

Table HC-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HU441_AGE999597	441_AGE999597	15.69	621	0.4	54.9	0.25	7.80	0.56	0.27
HU441_AGE999598	441_AGE999598	4.51	399	0.3	37.2	0.25	2.00	4.70	0.34
HU441_AGE999599	441_AGE999599	9.50	317	0.2	45.5	0.25	2.50	3.94	0.33
HU441_AGE999600	441_AGE999600	17.05	956	0.7	16.9	0.25	2.00	4.70	0.34
HU441_AGE999601	441_AGE999601	7.56	655	0.3	32.1	0.25	2.00	4.70	0.34
HU441_AGE999602	441_AGE999602	15.83	896	0.3	43.4	0.25	2.00	4.70	0.34
HU441_AGE999614	441_AGE999614	2.85	222	0.4	29.1	0.25	11.50	0.14	0.22
HU441_AGE999615	441_AGE999615	5.94	895	2.2	20.8	0.25	2.00	4.70	0.34
HU441_AGE999616	441_AGE999616	10.86	513	1.0	26.1	0.25	2.40	4.08	0.34
HU441_AGE999617	441_AGE999617	7.30	458	1.1	6.4	0.25	2.00	4.70	0.34
HU441_AGE999618	441_AGE999618	6.82	465	1.0	42.6	0.25	4.80	1.70	0.31
HU441_AGE999656	441_AGE999656	7.24	1158	0.8	44.7	0.25	7.10	0.73	0.28
HU441_AGE999923	441_AGE999923	20.17	594	0.3	40.8	0.38	8.50	0.43	0.26
HU441_AGE999924	441_AGE999924	29.79	841	1.1	31.1	0.37	12.37	0.10	0.21
HU441_AGE999925	441_AGE999925	4.88	3081	10.5	76.3	0.40	12.51	0.10	0.21
HU441_DO000591	441_DO000591	8.85	1269	1.4	22.2	0.25	8.50	0.43	0.26
HU441_DO000781	441_DO000781	4.28	393	0.9	62.7	0.28	12.49	0.10	0.21
HU441_DO000917	441_DO000917	3.78	368	1.2	71.4	0.25	12.40	0.10	0.21
HU441_DS000317	441_DS000317	4.05	304	0.3	90.0	0.25	10.80	0.18	0.23
HU441_DS001067	441_DS001067	6.01	626	0.3	33.9	0.25	4.20	2.07	0.31
HU441_DS001881	441_DS001881	4.08	324	0.4	68.6	0.26	7.29	0.50	0.28
HU441_DS002110	441_DS002110	5.34	322	0.3	69.8	0.25	12.50	0.10	0.21
HU441_DS002411	441_DS002411	6.24	374	0.3	44.4	0.25	2.00	4.70	0.34
HU441_DS002412	441_DS002412	11.08	585	0.3	51.7	0.25	4.00	1.79	0.32
HU441_DS002415	441_DS002415	4.77	514	0.6	60.1	0.25	8.10	0.39	0.27
HU441_DS002421	441_DS002421	11.56	743	0.5	43.9	0.25	2.00	4.63	0.34
HU441_DS002424	441_DS002424	9.26	581	0.4	48.0	0.25	2.80	3.16	0.33
HU441_DS002498	441_DS002498	5.17	249	0.2	58.7	0.25	5.90	0.76	0.30
HU441_DS002519	441_DS002519	6.07	660	1.1	77.4	0.25	8.80	0.38	0.26
HU441_DS002529	441_DS002529	5.61	404	0.9	75.1	0.26	10.40	0.22	0.24
HU441_DS003404	441_DS003404	7.65	590	0.4	36.8	0.25	6.50	0.90	0.28
HU441_DS006668	441_DS006668	3.75	635	0.6	46.0	0.26	10.40	0.19	0.24
HU441_DS007396	441_DS007396	6.36	620	0.4	61.5	0.25	3.70	2.54	0.32
HU441_DS007402	441_DS007402	11.80	5424	5.4	67.6	0.25	10.10	0.24	0.24
HU441_DS007403	441_DS007403	10.61	2659	0.6	52.0	0.26	9.40	0.28	0.25
HU441_DS007409	441_DS007409	8.31	783	1.0	68.6	0.25	2.10	4.53	0.34
HU441_DS007784	441_DS007784	4.86	886	0.4	67.2	0.34	12.30	0.11	0.21
HU441_DS007935	441_DS007935	9.19	547	0.3	56.1	0.25	3.90	2.36	0.32
HU441_DS008007	441_DS008007	16.69	687	0.2	37.2	0.25	2.00	4.70	0.34
HU441_DS008528	441_DS008528	1.27	340	2.8	58.0	0.28	12.48	0.10	0.21
HU441_DS008684	441_DS008684	4.96	357	0.4	55.7	0.25	4.50	1.85	0.31
HU441_DS008687	441_DS008687	5.72	650	0.5	63.7	0.25	2.00	4.70	0.34
HU441_DS009023	441_DS009023	15.56	348	0.3	88.4	0.25	12.50	0.10	0.21
HU441_DS009026	441_DS009026	5.85	223	0.3	90.7	0.25	12.46	0.10	0.21
HU441_DS009700	441_DS009700	6.23	433	0.4	65.6	0.39	7.59	0.45	0.28
HU441_DS010222	441_DS010222	4.79	191	0.9	77.8	0.25	12.50	0.10	0.21
HU441_DS010228	441_DS010228	3.07	53	0.5	84.4	0.25	12.50	0.10	0.21
HU441_DWS000023	441_DWS000023	3.08	2566	7.9	66.0	0.25	12.00	0.12	0.22
HU441_NID10059	441_NID10059	6.43	243	0.2	61.2	0.25	12.50	0.10	0.21
HU441_NID12469	441_NID12469	2.58	142	0.4	80.0	0.28	11.03	0.17	0.23
HUAL_AGE999805	AL_AGE999805	7.23	682	1.3	66.2	0.25	2.43	4.01	0.34
HUAL_AGE999811	AL_AGE999811	2.80	399	1.2	49.0	0.25	4.19	2.09	0.31
HUAL_AGE999815	AL_AGE999815	3.72	339	0.7	68.8	0.25	10.26	0.23	0.24
HUAL_AGE999833	AL_AGE999833	2.20	254	0.9	65.5	0.25	12.49	0.10	0.21
HUAL_AGE999836	AL_AGE999836	10.57	595	0.4	74.8	0.25	12.14	0.11	0.21
HUAL_AGE999841	AL_AGE999841	2.37	197	0.8	68.8	0.25	12.50	0.10	0.21
HUAL_AGE999867	AL_AGE999867	1.51	87	0.7	65.2	0.25	12.30	0.11	0.21
HUAL_AGE999974	AL_AGE999974	3.94	333	1.4	10.3	0.30	2.00	4.69	0.34
HUAL_AGE999985	AL_AGE999985	13.05	344	0.2	72.2	0.25	8.09	0.50	0.27
HUAL_AGE999990	AL_AGE999990	24.99	4532	6.6	82.2	0.27	9.86	0.26	0.24

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HUAL_CDCO98235	AL_CDCO98235	8.15	8659	29.4	79.6	0.25	11.68	0.13	0.22
HUAL_CDCO98240	AL_CDCO98240	35.26	17258	7.1	84.0	0.26	10.26	0.22	0.24
HUAL_DO000555	AL_DO000555	6.15	313	1.0	51.1	0.37	3.54	2.67	0.32
HUAL_DO000558	AL_DO000558	3.26	5072	35.5	97.9	0.25	12.27	0.11	0.21
HUAL_DO000564	AL_DO000564	5.27	381	1.0	88.4	0.25	12.49	0.10	0.21
HUAL_DO000618	AL_DO000618	5.23	5964	14.8	83.9	0.25	9.69	0.28	0.25
HUAL_DO000770	AL_DO000770	10.81	1787	1.5	82.0	0.25	2.11	4.51	0.34
HUAL_DO000787	AL_DO000787	14.75	2169	1.7	83.9	0.25	11.09	0.17	0.23
HUAL_DO000792	AL_DO000792	1.31	121	0.5	51.8	0.25	12.47	0.10	0.21
HUAL_DS001040	AL_DS001040	4.58	302	0.6	59.9	0.26	12.15	0.11	0.21
HUAL_DS001061	AL_DS001061	7.56	642	1.4	76.1	0.25	8.86	0.38	0.26
HUAL_DS001115	AL_DS001115	5.31	873	1.4	67.9	0.25	8.13	0.50	0.26
HUAL_DS001142	AL_DS001142	4.33	406	1.1	73.5	0.25	2.00	4.71	0.34
HUAL_DS001837	AL_DS001837	1.34	108	0.4	47.1	0.30	2.00	4.69	0.34
HUAL_DS001843	AL_DS001843	1.85	307	1.0	48.9	0.37	2.01	4.72	0.34
HUAL_DS001846	AL_DS001846	2.00	150	1.0	54.4	0.30	12.38	0.10	0.21
HUAL_DS001848	AL_DS001848	18.63	623	0.3	23.8	0.28	12.14	0.11	0.21
HUAL_DS001849	AL_DS001849	4.44	309	1.0	28.0	0.29	4.42	1.94	0.31
HUAL_DS001862	AL_DS001862	2.16	376	1.6	63.2	0.25	12.48	0.10	0.21
HUAL_DS001877	AL_DS001877	1.08	156	0.6	70.4	0.25	12.47	0.10	0.21
HUAL_DS001878	AL_DS001878	2.90	451	1.4	72.9	0.25	12.28	0.11	0.21
HUAL_DS001927	AL_DS001927	5.78	1437	2.6	86.6	0.25	12.50	0.10	0.21
HUAL_DS003385	AL_DS003385	17.06	1100	0.7	79.0	0.25	11.71	0.13	0.22
HUAL_DS003421	AL_DS003421	4.33	393	1.0	69.0	0.25	12.49	0.10	0.21
HUAL_DS003423	AL_DS003423	6.08	1217	0.9	95.3	0.25	12.49	0.10	0.21
HUAL_DS003427	AL_DS003427	6.83	1202	0.8	95.6	0.25	12.50	0.10	0.21
HUAL_DS003434	AL_DS003434	3.03	164	1.0	66.2	0.25	8.90	0.38	0.26
HUAL_DS004114	AL_DS004114	2.95	101	0.3	69.5	0.25	5.68	1.22	0.29
HUAL_DS006637	AL_DS006637	18.29	654	0.3	67.8	0.25	12.50	0.10	0.21
HUAL_DS007352	AL_DS007352	1.61	147	0.3	71.9	0.29	5.94	1.10	0.29
HUAL_DS007363	AL_DS007363	1.51	190	0.4	48.3	0.30	8.26	0.47	0.26
HUAL_DS007364	AL_DS007364	1.79	254	0.7	56.9	0.30	9.80	0.27	0.24
HUAL_DS007369	AL_DS007369	5.60	600	1.7	80.9	0.25	11.94	0.12	0.22
HUAL_DS007414	AL_DS007414	1.62	103	0.5	68.2	0.25	8.07	0.51	0.27
HUAL_DS007418	AL_DS007418	1.60	74	0.3	64.7	0.25	12.51	0.10	0.21
HUAL_DS007422	AL_DS007422	15.62	480	0.6	76.1	0.25	9.22	0.33	0.25
HUAL_DS007435	AL_AGE999816	5.29	412	0.7	76.9	0.25	2.62	3.74	0.33
HUAL_DS008341	AL_DS008341	8.03	278	0.5	80.8	0.25	2.00	4.69	0.34
HUAL_DS008348	AL_DS008348	5.47	587	0.8	89.0	0.25	3.79	2.43	0.32
HUAL_DS008357	AL_DS008357	5.03	672	0.8	67.8	0.25	10.72	0.19	0.23
HUAL_DS008798	AL_DS008798	4.18	826	1.9	80.1	0.25	9.99	0.25	0.24
HUAL_DS008802	AL_DS008802	1.72	99	0.4	70.0	0.25	12.48	0.10	0.21
HUAL_DS008803	AL_DS008803	1.88	167	1.7	73.5	0.25	11.59	0.14	0.22
HUAL_NID8581	AL_NID8581	1.33	136	1.7	70.9	0.25	10.94	0.18	0.23
HUBC_AGE999388	BC_AGE999388	10.04	489	0.2	65.2	0.26	12.50	0.10	0.21
HUBC_AGE999389	BC_AGE999389	4.41	500	1.2	69.6	0.25	12.50	0.10	0.21
HUBC_AGE999390	BC_AGE999390	25.34	961	0.6	74.4	0.25	10.20	0.23	0.24
HUBC_AGE999391	BC_AGE999391	18.88	706	0.5	59.4	0.25	6.30	0.97	0.29
HUBC_AGE999392	BC_AGE999392	8.80	395	0.5	53.9	0.25	2.00	4.70	0.34
HUBC_AGE999393	BC_AGE999393	7.05	489	0.5	63.0	0.25	2.00	4.70	0.34
HUBC_AGE999394	BC_AGE999394	17.33	535	0.5	70.6	0.25	5.10	1.51	0.30
HUBC_AGE999395	BC_AGE999395	17.32	596	0.4	53.7	0.25	2.70	3.70	0.33
HUBC_AGE999396	BC_AGE999396	4.76	343	0.3	62.8	0.25	2.00	4.70	0.34
HUBC_AGE999397	BC_AGE999397	7.91	404	0.6	52.9	0.26	2.00	4.70	0.34
HUBC_AGE999421	BC_AGE999421	32.56	1318	0.6	46.1	0.27	2.00	4.70	0.34
HUBC_AGE999500	BC_AGE999500	16.85	1559	0.7	73.1	0.25	12.50	0.10	0.21
HUBC_AGE999501	BC_AGE999501	71.84	1888	0.2	50.6	0.26	3.00	3.20	0.33
HUBC_AGE999502	BC_AGE999502	37.38	2584	0.6	82.9	0.33	12.50	0.10	0.21
HUBC_AGE999503	BC_AGE999503	100.03	1705	0.2	62.5	0.27	5.70	1.23	0.29
HUBC_AGE999504	BC_AGE999504	74.07	2905	0.9	19.4	0.29	11.30	0.16	0.23

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HUBC_AGE999505	BC_AGE999505	27.16	1646	1.5	58.6	0.25	4.10	2.20	0.31
HUBC_AGE999506	BC_AGE999506	30.03	763	0.1	78.3	0.25	8.20	0.48	0.26
HUBC_AGE999507	BC_AGE999507	44.25	1267	0.4	63.7	0.25	4.80	1.66	0.30
HUBC_AGE999508	BC_AGE999508	30.79	587	0.4	70.2	0.26	7.90	0.54	0.27
HUBC_AGE999509	BC_AGE999509	17.95	983	0.6	94.4	0.25	11.80	0.13	0.22
HUBC_AGE999511	BC_AGE999511	78.86	2863	0.6	67.6	0.30	5.60	1.27	0.30
HUBC_AGE999512	BC_AGE999512	79.19	1633	0.2	58.6	0.25	5.10	1.33	0.30
HUBC_AGE999513	BC_AGE999513	10.24	216	1.1	92.2	0.25	2.00	4.70	0.34
HUBC_AGE999514	BC_AGE999514	5.57	2225	5.2	76.8	0.25	3.90	2.34	0.32
HUBC_AGE999515	BC_AGE999515	123.53	2527	0.8	68.7	0.28	6.80	0.82	0.28
HUBC_AGE999516	BC_AGE999516	57.18	900	0.3	45.1	0.26	5.40	1.21	0.30
HUBC_AGE999517	BC_AGE999517	63.11	2192	0.5	49.3	0.25	5.50	0.95	0.30
HUBC_AGE999518	BC_AGE999518	22.13	843	0.8	66.3	0.25	4.20	1.61	0.32
HUBC_AGE999519	BC_AGE999519	83.51	933	0.4	78.3	0.25	8.90	0.37	0.25
HUBC_AGE999605	BC_AGE999605	5.01	513	0.7	60.2	0.27	10.10	0.21	0.24
HUBC_AGE999610	BC_AGE999610	11.35	615	0.2	68.2	0.25	12.40	0.10	0.21
HUBC_AGE999611	BC_AGE999611	15.66	1054	0.4	75.3	0.25	12.50	0.10	0.21
HUBC_AGE999612	BC_AGE999612	50.04	1969	0.2	44.3	0.25	6.60	0.74	0.28
HUBC_AGE999629	BC_AGE999629	45.54	1340	0.2	68.3	0.25	12.50	0.10	0.21
HUBC_AGE999630	BC_AGE999630	119.57	3064	0.3	84.2	0.25	10.50	0.21	0.23
HUBC_AGE999631	BC_AGE999631	14.00	11087	9.1	84.9	0.25	12.50	0.10	0.21
HUBC_AGE999632	BC_AGE999632	42.15	22202	4.9	87.8	0.25	12.50	0.10	0.21
HUBC_AGE999633	BC_AGE999633	73.94	4134	0.8	77.6	0.25	11.70	0.13	0.22
HUBC_AGE999634	BC_AGE999634	22.21	1170	1.0	75.3	0.25	12.50	0.10	0.21
HUBC_AGE999900	BC_AGE999900	45.77	1482	0.8	84.7	0.25	6.88	0.78	0.28
HUBC_AGE999901	BC_AGE999901	11.65	304	0.8	77.1	0.25	2.68	3.65	0.33
HUBC_AGE999902	BC_AGE999902	16.19	469	0.6	80.2	0.25	2.00	4.70	0.34
HUBC_AGE999903	BC_AGE999903	9.92	620	0.8	50.8	0.25	7.15	0.71	0.28
HUBC_AGE999904	BC_AGE999904	40.89	898	0.2	39.3	0.25	9.01	0.36	0.25
HUBC_AGE999905	BC_AGE999905	80.31	1151	0.3	52.5	0.26	2.00	4.70	0.34
HUBC_AGE999906	BC_AGE999906	148.83	2545	0.3	64.1	0.25	3.54	2.67	0.32
HUBC_AGE999907	BC_AGE999907	40.35	769	0.1	25.1	0.30	12.31	0.11	0.21
HUBC_AGE999908	BC_AGE999908	156.04	2130	0.2	47.6	0.26	6.99	0.67	0.28
HUBC_AGE999909	BC_AGE999909	67.82	1128	0.2	38.8	0.25	8.12	0.49	0.27
HUBC_AGE999910	BC_AGE999910	64.21	1633	0.3	39.0	0.25	6.41	0.65	0.29
HUBC_AGE999911	BC_AGE999911	26.75	783	0.3	48.6	0.25	10.60	0.19	0.23
HUBC_AGE999912	BC_AGE999912	14.45	440	0.2	54.3	0.25	12.50	0.10	0.21
HUBC_AGE999913	BC_AGE999913	3.53	202	0.4	80.8	0.25	11.40	0.14	0.23
HUBC_AGE999914	BC_AGE999914	17.40	677	2.1	68.6	0.25	8.07	0.51	0.27
HUBC_AGE999915	BC_AGE999915	13.13	294	0.2	37.7	0.27	6.78	0.81	0.28
HUBC_AGE999917	BC_AGE999917	27.71	940	0.3	8.9	0.26	10.70	0.19	0.23
HUBC_AGE999918	BC_AGE999918	7.23	525	1.1	6.2	0.27	8.42	0.45	0.26

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_AGE999597	916,787	616,527	-5.0	10.1	Storage
441_AGE999598	917,048	616,067	-5.0	10.6	Storage
441_AGE999599	917,022	615,650	-5.0	10.6	Storage
441_AGE999600	918,385	615,910	-5.0	8.1	Storage
441_AGE999601	918,450	616,266	-5.0	8.4	Storage
441_AGE999602	918,315	616,922	-5.0	8.5	Storage
441_AGE999614	918,405	623,369	-5.0	3.1	Storage
441_AGE999615	917,138	622,548	-5.0	1.9	Storage
441_AGE999616	917,303	623,238	-5.0	4.8	Storage
441_AGE999617	916,656	622,205	-5.0	5.6	Storage
441_AGE999618	916,174	622,253	-5.0	5.9	Storage
441_AGE999656	918,517	621,830	0.0	3.9	Storage
441_AGE999923	916,495	624,663	-5.0	5.0	Storage
441_AGE999924	917,391	625,205	-5.0	1.8	Storage
441_AGE999925	916,648	625,309	-5.0	1.2	Storage
441_DMH000586	917,890	623,485	-3.0	5.8	Junction
441_DMH000587	917,594	623,486	-2.5	4.9	Junction
441_DMH000591	918,527	623,475	-1.8	5.9	Junction
441_DMH000593	918,579	622,114	0.7	5.1	Junction
441_DMH000595	918,004	621,374	-0.2	5.1	Junction
441_DMH000668	916,985	618,183	-0.4	6.9	Junction
441_DMH000669	916,714	618,174	-0.3	6.8	Junction
441_DMH000671	916,531	618,173	0.4	5.7	Junction
441_DMH000825	916,391	618,173	0.5	5.5	Junction
441_DMH000828	918,308	618,222	-2.0	6.9	Junction
441_DMH000829	918,191	618,219	-1.9	6.9	Junction
441_DMH000830	917,926	618,212	-1.5	7.9	Junction
441_DMH000831	917,636	618,206	-1.0	7.6	Junction
441_DMH000832	917,384	618,198	-0.6	7.2	Junction
441_DMH000952	917,823	622,696	-1.0	5.1	Junction
441_DMH000953	917,889	622,698	-0.8	5.2	Junction
441_DMH000954	917,865	622,696	-0.9	4.7	Junction
441_DMH000955	917,969	622,701	-0.5	5.5	Junction
441_DMH000956	917,443	622,596	0.0	6.8	Junction
441_DMH002125	916,207	615,734	8.0	14.2	Junction
441_DMH002126	916,203	615,986	7.5	13.9	Junction
441_DMH002127	916,198	616,180	7.0	12.9	Junction
441_DMH002128	916,196	616,269	6.5	12.9	Junction
441_DMH002129	916,190	616,481	5.5	14.5	Junction
441_DMH002130	916,183	616,794	4.0	13.8	Junction
441_DMH002131	916,212	616,878	2.5	12.4	Junction
441_DMH002132	916,190	617,641	-0.1	5.5	Junction
441_DMH002134	916,182	617,786	-0.2	5.1	Junction
441_DMH002135	916,180	617,899	-0.3	5.4	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_DMH002136	916,174	618,052	-0.4	6.2	Junction
441_DMH002137	916,171	618,121	-0.5	6.4	Junction
441_DMH002138	916,064	618,108	0.5	4.8	Junction
441_DMH002139	916,167	618,213	-0.6	6.5	Junction
441_DMH002149	916,449	618,496	0.0	6.1	Junction
441_DMH002150	916,457	618,174	-0.1	5.5	Junction
441_DMH002151	916,531	618,175	-0.2	5.7	Junction
441_DO000591	917,670	623,031	-5.0	4.3	Storage
441_DO000781	916,722	625,614	-5.0	4.0	Storage
441_DO000917	916,266	619,136	-5.0	0.9	Storage
441_DS000317	916,529	617,627	-5.0	6.0	Storage
441_DS001065	917,405	622,783	0.5	4.5	Junction
441_DS001067	918,014	622,639	-5.0	4.5	Storage
441_DS001070	918,112	622,850	0.0	4.9	Junction
441_DS001071	918,424	622,902	0.9	5.0	Junction
441_DS001074	917,865	622,833	-0.5	5.0	Junction
441_DS001075	917,861	622,965	0.0	4.5	Junction
441_DS001077	917,785	622,573	0.0	4.8	Junction
441_DS001079	917,961	623,080	0.5	4.6	Junction
441_DS001881	917,003	629,418	-5.0	3.9	Storage
441_DS002109	916,132	616,215	7.4	11.5	Junction
441_DS002110	916,136	616,013	-5.0	11.7	Storage
441_DS002411	917,464	617,352	-5.0	8.4	Storage
441_DS002412	916,376	618,127	-5.0	4.5	Storage
441_DS002415	916,324	618,218	-5.0	4.3	Storage
441_DS002421	918,289	618,183	-5.0	5.6	Storage
441_DS002424	917,499	618,160	-5.0	5.9	Storage
441_DS002486	916,458	629,387	-4.0	4.7	Junction
441_DS002487	916,313	629,383	-3.9	5.9	Junction
441_DS002498	916,569	625,929	-5.0	3.4	Storage
441_DS002503	916,570	625,886	-0.5	4.2	Junction
441_DS002519	915,983	623,080	-5.0	8.2	Storage
441_DS002529	916,146	623,373	-5.0	8.1	Storage
441_DS003401	918,540	622,080	0.5	5.1	Junction
441_DS003402	918,538	622,105	0.6	5.0	Junction
441_DS003404	918,090	622,292	-5.0	3.9	Storage
441_DS006657	917,547	622,042	0.0	5.1	Junction
441_DS006658	917,387	622,415	0.0	4.9	Junction
441_DS006659	917,430	622,524	0.5	5.1	Junction
441_DS006660	917,504	622,210	0.0	4.9	Junction
441_DS006661	917,624	621,736	0.5	5.0	Junction
441_DS006662	917,716	621,512	0.0	5.1	Junction
441_DS006663	918,371	621,709	0.0	4.8	Junction
441_DS006664	918,291	621,961	-0.1	4.7	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_DS006665	918,432	622,023	0.3	5.2	Junction
441_DS006667	918,007	621,390	0.2	4.6	Junction
441_DS006668	918,007	621,444	-5.0	4.7	Storage
441_DS006669	918,344	621,482	0.1	4.7	Junction
441_DS006670	918,552	621,483	0.5	5.8	Junction
441_DS006671	918,549	621,444	0.6	5.5	Junction
441_DS006685	918,574	622,240	1.0	4.1	Junction
441_DS006840	918,616	621,387	0.8	4.5	Junction
441_DS006841	918,620	621,244	1.0	4.7	Junction
441_DS007396	918,278	623,458	-5.0	4.6	Storage
441_DS007397	918,059	623,475	-2.5	5.3	Junction
441_DS007401	918,597	621,587	0.6	4.2	Junction
441_DS007402	918,001	621,595	-5.0	3.4	Storage
441_DS007403	917,475	622,084	-5.0	1.2	Storage
441_DS007409	917,433	623,488	-5.0	4.8	Storage
441_DS007784	918,016	621,313	-5.0	5.3	Storage
441_DS007785	918,026	621,234	-2.8	5.8	Junction
441_DS007788	918,034	621,171	-2.9	5.6	Junction
441_DS007789	918,074	621,108	-2.8	4.9	Junction
441_DS007790	918,004	621,290	0.2	5.0	Junction
441_DS007791	917,947	621,354	0.0	5.9	Junction
441_DS007792	917,815	621,350	-0.5	5.0	Junction
441_DS007793	917,819	621,247	-1.0	5.3	Junction
441_DS007794	917,825	621,130	-1.5	5.5	Junction
441_DS007795	917,897	621,085	-2.0	5.1	Junction
441_DS007796	917,964	621,087	-2.2	5.1	Junction
441_DS007797	918,211	621,113	-2.0	5.1	Junction
441_DS007798	918,208	621,297	-1.0	5.0	Junction
441_DS007800	918,345	621,116	-1.0	5.0	Junction
441_DS007801	918,392	621,167	-0.5	4.8	Junction
441_DS007802	918,391	621,285	0.0	4.9	Junction
441_DS007804	918,459	621,279	0.2	4.8	Junction
441_DS007809	917,924	621,024	-1.5	4.2	Junction
441_DS007810	917,984	621,024	-1.0	4.4	Junction
441_DS007813	918,092	621,025	-0.5	4.7	Junction
441_DS007814	918,123	620,919	-0.5	4.1	Junction
441_DS007816	918,155	620,962	-2.7	4.5	Junction
441_DS007817	918,356	621,070	-0.5	4.2	Junction
441_DS007818	918,224	621,001	0.0	4.2	Junction
441_DS007822	918,355	620,974	0.0	4.0	Junction
441_DS007935	916,618	617,492	-5.0	6.8	Storage
441_DS008007	917,452	616,902	-5.0	8.7	Storage
441_DS008528	916,466	625,533	-5.0	3.4	Storage
441_DS008684	916,761	616,879	-5.0	9.9	Storage

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_DS008687	917,134	617,020	-5.0	8.2	Storage
441_DS009019	916,022	617,789	1.0	6.5	Junction
441_DS009020	916,041	617,727	1.1	6.4	Junction
441_DS009021	916,046	617,612	1.3	5.7	Junction
441_DS009022	915,985	617,544	1.4	6.2	Junction
441_DS009023	915,646	617,534	-5.0	6.1	Storage
441_DS009026	915,650	617,822	-5.0	5.1	Storage
441_DS009027	915,503	617,823	0.2	4.9	Junction
441_DS009142	915,873	617,829	0.8	5.6	Junction
441_DS009144	915,758	617,827	0.6	5.2	Junction
441_DS009145	915,592	617,822	0.3	5.7	Junction
441_DS009146	915,474	618,076	0.0	6.8	Junction
441_DS009148	915,705	617,536	1.7	6.0	Junction
441_DS009700	916,601	629,530	-5.0	5.5	Storage
441_DS010201	916,128	615,744	9.0	13.8	Junction
441_DS010208	916,218	616,268	7.5	12.2	Junction
441_DS010209	916,215	616,795	3.5	13.6	Junction
441_DS010212	916,207	616,966	1.5	11.1	Junction
441_DS010213	916,206	617,059	1.0	10.3	Junction
441_DS010216	916,203	617,225	0.5	8.1	Junction
441_DS010218	916,199	617,472	0.0	6.2	Junction
441_DS010221	916,083	617,608	0.0	4.8	Junction
441_DS010222	916,202	617,786	-5.0	4.7	Storage
441_DS010223	916,076	617,803	0.0	6.3	Junction
441_DS010224	916,073	617,896	0.2	5.8	Junction
441_DS010227	916,247	618,124	0.0	4.9	Junction
441_DS010228	915,964	618,107	-5.0	5.3	Storage
441_DS010229	915,964	618,200	1.0	5.4	Junction
441_DS010230	916,230	618,218	0.0	4.9	Junction
441_DS010231	916,171	618,274	-0.7	6.0	Junction
441_DS010233	916,164	618,476	-0.9	6.2	Junction
441_DS010239	916,027	619,130	1.5	6.3	Junction
441_DS010240	916,135	619,130	1.0	6.0	Junction
441_DS010257	916,383	618,495	-5.0	0.5	Junction
441_DWS000023	916,300	618,493	-5.0	0.5	Storage
441_NID10059	916,049	618,271	-5.0	6.6	Storage
441_NID10425	917,387	622,415	0.0	4.9	Junction
441_NID10473	917,637	622,443	-2.7	2.3	Junction
441_NID12421	916,345	627,760	1.0	4.7	Junction
441_NID12428	916,328	628,344	2.0	4.2	Junction
441_NID12469	916,098	624,451	-5.0	6.7	Storage
441_NID12478	916,626	625,420	-1.8	6.8	Junction
441_NID12504	916,315	629,367	-3.9	6.3	Junction
441_NID12521	916,458	629,282	0.1	4.9	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_NID12522	916,654	629,392	-4.1	3.6	Junction
AF_DMH000584	922,756	623,740	0.0	7.0	Junction
AF_DMH000596	923,121	623,754	-0.3	7.7	Junction
AF_DS004047	922,824	623,743	-0.1	7.2	Junction
AL_AGE999489	924,535	632,009	2.0	2.5	Junction
AL_AGE999800	924,718	633,316	1.7	3.3	Junction
AL_AGE999801	924,521	632,824	2.1	2.6	Junction
AL_AGE999802	924,471	632,640	-5.0	1.9	Junction
AL_AGE999803	923,691	632,637	2.0	2.0	Junction
AL_AGE999804	924,360	632,634	2.1	2.8	Junction
AL_AGE999805	925,569	633,756	-5.0	1.9	Storage
AL_AGE999806	925,241	633,439	2.0	2.0	Junction
AL_AGE999807	925,002	633,746	2.3	4.3	Junction
AL_AGE999808	924,926	633,517	2.5	3.4	Junction
AL_AGE999809	924,781	633,165	2.1	2.4	Junction
AL_AGE999810	924,897	633,411	2.3	2.7	Junction
AL_AGE999811	924,807	633,058	-5.0	3.0	Storage
AL_AGE999812	924,643	632,793	2.5	2.7	Junction
AL_AGE999813	924,910	632,894	2.6	5.2	Junction
AL_AGE999814	922,964	631,854	2.4	4.0	Junction
AL_AGE999815	924,592	633,084	-5.0	3.3	Storage
AL_AGE999816	922,620	632,397	-5.0	2.6	Storage
AL_AGE999817	922,631	631,978	1.7	3.4	Junction
AL_AGE999818	921,797	631,986	2.5	6.2	Junction
AL_AGE999819	922,510	631,967	2.5	5.8	Junction
AL_AGE999820	922,628	631,953	2.0	3.4	Junction
AL_AGE999821	922,380	631,871	1.9	2.7	Junction
AL_AGE999822	924,079	631,825	2.3	2.5	Junction
AL_AGE999823	924,228	631,825	-5.0	4.5	Junction
AL_AGE999824	924,420	631,771	2.0	3.6	Junction
AL_AGE999825	922,800	631,959	2.0	4.1	Junction
AL_AGE999826	923,258	631,841	2.2	4.6	Junction
AL_AGE999827	923,512	631,821	1.6	4.5	Junction
AL_AGE999828	923,077	631,847	2.2	3.8	Junction
AL_AGE999829	923,674	631,816	1.5	4.1	Junction
AL_AGE999830	924,440	632,495	2.0	4.0	Junction
AL_AGE999831	924,422	632,385	2.1	2.5	Junction
AL_AGE999832	924,420	632,363	2.0	2.4	Junction
AL_AGE999833	924,384	631,967	-5.0	4.5	Storage
AL_AGE999834	923,846	632,491	1.5	2.0	Junction
AL_AGE999835	923,897	632,489	1.6	1.9	Junction
AL_AGE999836	925,921	632,225	-5.0	4.2	Storage
AL_AGE999837	925,279	631,975	2.1	2.8	Junction
AL_AGE999838	925,759	631,975	1.4	2.7	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_AGE999839	925,757	632,506	1.9	2.4	Junction
AL_AGE999840	925,772	631,990	1.8	3.0	Junction
AL_AGE999841	924,583	632,496	-5.0	1.8	Storage
AL_AGE999842	925,189	632,497	-0.9	2.3	Junction
AL_AGE999843	924,928	632,497	-5.0	2.4	Junction
AL_AGE999844	924,546	632,323	2.5	2.7	Junction
AL_AGE999846	925,138	631,955	2.0	3.1	Junction
AL_AGE999847	924,737	631,961	2.0	2.2	Junction
AL_AGE999848	924,663	631,961	2.0	2.5	Junction
AL_AGE999850	924,545	632,242	2.0	4.7	Junction
AL_AGE999851	924,663	632,910	2.3	3.9	Junction
AL_AGE999852	924,623	631,822	2.0	2.7	Junction
AL_AGE999853	924,777	631,822	2.1	3.9	Junction
AL_AGE999854	924,553	631,391	2.1	2.2	Junction
AL_AGE999855	925,152	631,836	-5.0	2.9	Junction
AL_AGE999856	924,872	631,835	2.0	3.0	Junction
AL_AGE999857	925,478	631,855	2.0	3.2	Junction
AL_AGE999858	925,272	631,850	-1.0	3.3	Junction
AL_AGE999859	925,719	631,862	2.0	2.7	Junction
AL_AGE999860	925,263	631,366	2.5	4.1	Junction
AL_AGE999861	925,718	631,373	2.5	3.2	Junction
AL_AGE999862	924,904	633,879	2.6	2.9	Junction
AL_AGE999863	923,809	633,891	2.1	3.1	Junction
AL_AGE999864	924,368	633,874	2.0	2.8	Junction
AL_AGE999866	924,142	633,734	-5.0	2.0	Junction
AL_AGE999867	925,695	632,561	-5.0	1.4	Storage
AL_AGE999868	922,623	632,278	1.6	2.5	Junction
AL_AGE999870	923,037	631,426	2.3	2.9	Junction
AL_AGE999871	921,435	631,294	2.0	1.6	Junction
AL_AGE999872	921,423	631,767	1.9	2.0	Junction
AL_AGE999873	923,384	636,750	-13.3	-2.0	Junction
AL_AGE999875	921,559	631,980	-5.0	2.1	Junction
AL_AGE999876	925,587	632,946	1.9	2.0	Junction
AL_AGE999878	926,006	633,268	1.8	2.1	Junction
AL_AGE999879	924,815	633,582	2.0	3.2	Junction
AL_AGE999899	925,470	631,975	2.0	2.9	Junction
AL_AGE999956	924,912	634,647	2.0	2.7	Junction
AL_AGE999958	924,855	633,718	1.9	3.2	Junction
AL_AGE999959	924,927	634,065	-5.0	3.8	Junction
AL_AGE999960	924,944	634,150	3.2	3.3	Junction
AL_AGE999974	927,063	632,712	-5.0	4.5	Storage
AL_AGE999978	924,763	633,439	-1.5	3.8	Junction
AL_AGE999984	921,420	631,821	1.3	1.8	Junction
AL_AGE999985	922,427	631,314	-5.0	3.7	Storage

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_AGE999986	923,016	631,326	2.3	2.7	Junction
AL_AGE999987	923,075	631,824	2.3	2.7	Junction
AL_AGE999988	926,672	632,635	2.1	2.0	Junction
AL_AGE999989	925,957	632,612	1.9	2.9	Junction
AL_AGE999990	925,630	633,366	-10.0	0.2	Storage
AL_AGE999992	929,106	631,318	-15.0	-2.0	Junction
AL_CDCO98235	925,781	631,243	-15.0	-2.0	Storage
AL_CDCO98239	924,546	631,219	-15.0	-2.0	Junction
AL_CDCO98240	924,437	631,224	-15.0	-2.0	Storage
AL_CDCO98247	918,224	631,068	-15.0	-2.0	Junction
AL_DMH000568	924,925	636,637	-2.7	3.5	Junction
AL_DMH000570	924,951	635,454	-1.0	3.5	Junction
AL_DMH000571	924,920	635,294	-2.6	3.4	Junction
AL_DMH000572	924,950	635,262	-1.4	4.3	Junction
AL_DMH000573	923,367	632,459	-6.9	1.1	Junction
AL_DMH000574	925,768	631,968	-3.6	3.1	Junction
AL_DMH000575	921,396	631,965	-2.7	4.8	Junction
AL_DMH000576	925,784	631,395	-3.6	1.7	Junction
AL_DMH000577	925,777	631,693	-3.6	3.3	Junction
AL_DMH000610	925,018	633,803	-10.0	4.0	Junction
AL_DMH000611	924,580	632,567	-10.0	4.5	Junction
AL_DMH000616	921,412	631,844	-2.6	4.0	Junction
AL_DMH000639	925,747	632,636	-3.8	5.4	Junction
AL_DMH001640	925,824	632,935	-4.2	4.4	Junction
AL_DO000555	925,106	637,462	-5.0	2.1	Storage
AL_DO000558	924,869	633,804	-10.0	0.9	Storage
AL_DO000564	925,765	632,219	-5.0	2.5	Storage
AL_DO000566	922,682	631,961	1.9	3.0	Junction
AL_DO000567	922,933	631,303	3.7	3.1	Junction
AL_DO000618	924,433	632,564	-10.0	0.3	Storage
AL_DO000621	924,420	632,350	-5.0	2.1	Junction
AL_DO000622	924,410	632,234	-5.0	2.8	Junction
AL_DO000623	924,608	631,350	-1.5	4.1	Junction
AL_DO000625	924,348	631,333	0.1	6.4	Junction
AL_DO000656	924,489	632,705	2.1	4.3	Junction
AL_DO000657	924,478	632,664	2.0	2.4	Junction
AL_DO000770	926,760	632,728	-5.0	2.1	Storage
AL_DO000771	926,403	632,631	-0.5	1.9	Junction
AL_DO000772	925,909	632,675	-0.5	1.9	Junction
AL_DO000784	922,740	631,958	1.9	2.0	Junction
AL_DO000785	922,312	631,872	1.9	4.4	Junction
AL_DO000786	922,211	631,873	1.9	3.7	Junction
AL_DO000787	921,787	631,885	-5.0	3.8	Storage
AL_DO000788	921,716	631,887	1.9	3.8	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_DO000789	924,948	634,224	1.1	3.2	Junction
AL_DO000790	924,953	634,283	-5.0	4.0	Junction
AL_DO000791	924,960	634,498	1.2	4.2	Junction
AL_DO000792	924,961	634,455	-5.0	4.2	Storage
AL_DO000793	921,496	631,882	1.9	4.0	Junction
AL_DO000794	921,453	631,861	2.0	3.8	Junction
AL_DO000851	924,528	632,838	1.8	4.5	Junction
AL_DO000852	924,552	632,946	1.8	3.2	Junction
AL_DS001030	925,596	634,055	-1.5	5.1	Junction
AL_DS001031	925,721	634,363	0.1	4.3	Junction
AL_DS001032	925,658	634,125	-1.0	4.3	Junction
AL_DS001034	925,486	634,054	-4.4	5.2	Junction
AL_DS001035	925,485	633,901	-2.3	1.8	Junction
AL_DS001040	925,054	634,100	-3.7	2.3	Storage
AL_DS001041	925,094	634,098	-1.3	4.8	Junction
AL_DS001042	925,113	633,910	-1.6	1.3	Junction
AL_DS001053	925,227	632,448	0.1	3.2	Junction
AL_DS001054	925,078	631,757	-5.0	4.0	Junction
AL_DS001059	925,281	631,719	-5.0	3.2	Junction
AL_DS001061	925,284	631,572	-5.0	3.1	Storage
AL_DS001062	925,286	631,449	-5.0	3.0	Junction
AL_DS001063	925,287	631,373	-5.0	3.3	Junction
AL_DS001101	925,562	633,757	-3.6	2.2	Junction
AL_DS001105	924,945	632,494	-3.6	2.0	Junction
AL_DS001115	924,940	631,409	-5.0	0.8	Storage
AL_DS001116	924,977	631,361	-1.7	1.7	Junction
AL_DS001117	924,901	631,359	-1.7	2.4	Junction
AL_DS001118	924,342	631,831	-1.8	2.5	Junction
AL_DS001119	924,420	631,765	-0.7	3.0	Junction
AL_DS001127	923,920	631,816	-1.5	1.9	Junction
AL_DS001134	923,828	631,815	-1.4	2.8	Junction
AL_DS001142	921,699	632,339	-5.0	2.0	Storage
AL_DS001143	921,862	632,347	-4.2	3.3	Junction
AL_DS001144	921,982	632,359	-4.2	3.4	Junction
AL_DS001145	922,106	632,354	-1.7	3.7	Junction
AL_DS001146	922,228	632,351	-4.9	3.6	Junction
AL_DS001147	922,348	632,347	-4.9	3.5	Junction
AL_DS001148	922,468	632,344	-2.8	3.5	Junction
AL_DS001149	922,606	632,328	-3.5	2.4	Junction
AL_DS001152	924,367	632,638	-5.0	2.8	Junction
AL_DS001153	923,831	633,750	-1.0	2.1	Junction
AL_DS001837	924,927	636,650	-5.0	1.6	Storage
AL_DS001838	924,748	637,433	-3.5	4.1	Junction
AL_DS001839	924,843	637,465	-3.7	4.6	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_DS001840	924,940	636,674	-1.9	1.8	Junction
AL_DS001842	924,765	637,440	-3.5	1.4	Junction
AL_DS001843	925,236	637,438	-5.0	2.3	Storage
AL_DS001845	924,921	635,262	-1.5	2.3	Junction
AL_DS001846	925,029	635,260	-5.0	2.2	Storage
AL_DS001847	924,920	635,279	-2.0	1.8	Junction
AL_DS001848	925,055	635,234	-5.0	3.1	Storage
AL_DS001849	925,753	634,544	-5.0	3.6	Storage
AL_DS001850	926,108	634,559	2.0	4.9	Junction
AL_DS001851	926,018	634,542	1.0	4.7	Junction
AL_DS001852	925,575	634,532	-1.7	3.5	Junction
AL_DS001853	925,331	634,529	-2.4	2.4	Junction
AL_DS001854	925,092	634,538	-2.6	2.8	Junction
AL_DS001855	925,078	634,491	-3.1	2.9	Junction
AL_DS001856	925,067	634,215	-3.4	2.6	Junction
AL_DS001857	925,037	633,908	-3.7	2.6	Junction
AL_DS001858	924,960	634,507	-1.5	2.9	Junction
AL_DS001859	924,949	634,217	-1.5	2.6	Junction
AL_DS001860	924,909	633,879	-1.5	2.8	Junction
AL_DS001861	923,206	631,927	-6.6	3.3	Junction
AL_DS001862	923,780	631,930	-5.0	2.7	Storage
AL_DS001863	923,520	631,932	-2.6	2.9	Junction
AL_DS001864	925,657	631,969	-2.2	2.7	Junction
AL_DS001865	925,475	631,973	-2.6	2.6	Junction
AL_DS001866	925,275	631,971	-3.3	2.5	Junction
AL_DS001867	925,775	631,977	-2.6	3.9	Junction
AL_DS001868	922,958	631,948	-5.1	2.9	Junction
AL_DS001869	921,401	631,976	-2.7	2.7	Junction
AL_DS001870	922,960	631,870	-2.6	2.8	Junction
AL_DS001871	922,657	631,866	-2.6	2.9	Junction
AL_DS001872	922,400	631,888	-2.6	3.1	Junction
AL_DS001873	925,728	631,881	-4.6	2.5	Junction
AL_DS001874	925,656	631,862	-2.1	2.6	Junction
AL_DS001875	925,477	631,860	-1.5	3.0	Junction
AL_DS001876	925,277	631,854	-1.5	2.8	Junction
AL_DS001877	925,079	631,837	-5.0	3.2	Storage
AL_DS001878	925,778	631,867	-5.0	2.0	Storage
AL_DS001921	924,929	633,543	-3.1	2.8	Junction
AL_DS001922	924,827	633,263	-2.1	2.8	Junction
AL_DS001923	924,710	633,038	-2.1	2.7	Junction
AL_DS001924	924,575	631,956	-4.6	2.4	Junction
AL_DS001925	925,078	631,950	-3.5	1.6	Junction
AL_DS001926	924,540	632,189	-5.8	2.7	Junction
AL_DS001927	924,529	631,981	-10.0	2.8	Storage

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_DS001928	924,375	631,939	-4.1	2.7	Junction
AL_DS001929	924,077	631,944	-3.6	2.7	Junction
AL_DS001930	924,419	632,194	-1.5	2.7	Junction
AL_DS001931	924,420	632,373	-1.7	2.6	Junction
AL_DS001932	924,633	631,828	-1.7	2.7	Junction
AL_DS001933	924,553	631,382	-1.4	2.7	Junction
AL_DS001934	924,378	631,834	-2.6	2.7	Junction
AL_DS001935	924,079	631,827	-2.6	2.5	Junction
AL_DS001936	924,414	631,346	0.1	5.8	Junction
AL_DS001939	921,383	631,922	-2.6	2.8	Junction
AL_DS001940	922,128	631,883	-2.6	2.5	Junction
AL_DS001941	921,887	631,904	-2.6	3.0	Junction
AL_DS001942	921,679	631,911	-2.6	1.4	Junction
AL_DS001943	921,411	631,828	-2.6	2.2	Junction
AL_DS001951	923,199	631,849	-2.6	2.8	Junction
AL_DS001952	923,774	631,824	-2.6	2.7	Junction
AL_DS001953	922,656	631,946	-4.9	2.8	Junction
AL_DS001954	922,400	631,953	-4.6	3.0	Junction
AL_DS001955	922,132	631,961	-4.1	3.0	Junction
AL_DS001956	921,891	631,968	-3.6	2.6	Junction
AL_DS001957	921,678	631,974	-3.1	2.2	Junction
AL_DS001958	924,523	632,823	-1.5	2.7	Junction
AL_DS001959	924,726	633,313	-1.0	2.8	Junction
AL_DS001960	924,603	633,080	-1.0	2.7	Junction
AL_DS001961	924,822	633,580	-1.0	2.7	Junction
AL_DS003377	924,369	633,870	-1.0	3.0	Junction
AL_DS003378	923,812	633,890	-1.0	3.3	Junction
AL_DS003385	923,389	632,460	-5.0	1.3	Storage
AL_DS003386	923,104	632,474	1.7	1.5	Junction
AL_DS003414	923,933	632,493	-2.5	1.8	Junction
AL_DS003419	923,683	632,642	-4.0	1.9	Junction
AL_DS003420	923,659	632,902	-4.0	3.4	Junction
AL_DS003421	923,810	632,955	-5.0	3.2	Storage
AL_DS003422	923,993	632,954	-2.6	3.4	Junction
AL_DS003423	924,171	632,954	-5.0	3.3	Storage
AL_DS003426	924,120	633,449	-1.0	3.4	Junction
AL_DS003427	924,285	633,449	-5.0	3.3	Storage
AL_DS003432	924,367	632,992	-2.6	3.4	Junction
AL_DS003433	924,553	632,949	-3.1	3.1	Junction
AL_DS003434	923,808	633,657	-5.0	2.0	Storage
AL_DS003435	924,009	633,574	-1.5	3.6	Junction
AL_DS003436	924,008	633,470	-1.2	4.2	Junction
AL_DS003439	924,455	633,487	-0.2	3.6	Junction
AL_DS003440	924,556	633,486	-1.3	3.4	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_DS003441	924,141	633,739	-1.0	2.1	Junction
AL_DS004106	924,540	632,360	-6.0	2.9	Junction
AL_DS004114	924,634	632,789	-5.0	2.8	Storage
AL_DS004777	924,947	634,895	3.6	3.9	Junction
AL_DS004778	925,044	634,897	-4.1	3.5	Junction
AL_DS004779	925,791	631,395	-3.6	1.6	Junction
AL_DS006624	924,396	634,201	-0.6	4.2	Junction
AL_DS006625	924,456	634,201	-1.0	3.7	Junction
AL_DS006626	923,796	634,500	-1.5	3.4	Junction
AL_DS006634	923,803	634,199	-1.3	3.4	Junction
AL_DS006637	923,973	634,199	-5.0	3.5	Storage
AL_DS006640	924,125	634,200	0.7	3.7	Junction
AL_DS006642	924,289	634,201	0.1	3.7	Junction
AL_DS006696	924,440	632,398	4.4	4.5	Junction
AL_DS007348	925,219	637,449	-0.5	3.8	Junction
AL_DS007351	925,127	637,456	-1.0	3.4	Junction
AL_DS007352	925,022	636,669	-5.0	4.0	Storage
AL_DS007353	924,954	636,674	-1.7	3.9	Junction
AL_DS007356	924,821	637,460	-3.4	3.4	Junction
AL_DS007357	924,781	637,445	-3.6	3.3	Junction
AL_DS007360	924,854	637,466	-5.0	3.9	Junction
AL_DS007362	925,009	635,453	0.7	3.5	Junction
AL_DS007363	924,954	635,673	-5.0	2.7	Storage
AL_DS007364	925,022	635,665	-5.0	2.7	Storage
AL_DS007367	925,065	634,295	3.4	4.1	Junction
AL_DS007368	925,044	634,049	4.5	4.5	Junction
AL_DS007369	925,407	633,902	-5.0	1.0	Storage
AL_DS007370	924,970	634,291	3.6	3.7	Junction
AL_DS007371	924,939	634,064	3.3	4.0	Junction
AL_DS007374	925,730	631,955	-4.6	2.5	Junction
AL_DS007378	925,757	632,304	-3.6	1.6	Junction
AL_DS007411	925,236	633,439	-3.6	2.2	Junction
AL_DS007414	924,763	633,174	-5.0	3.5	Storage
AL_DS007415	924,777	631,950	-4.1	2.6	Junction
AL_DS007416	924,524	632,135	3.5	3.8	Junction
AL_DS007418	924,134	631,925	-5.0	3.6	Storage
AL_DS007420	924,780	631,831	-1.5	3.5	Junction
AL_DS007422	924,202	631,829	-5.0	2.0	Storage
AL_DS007423	924,441	631,802	-2.5	4.7	Junction
AL_DS007431	923,517	631,846	-2.6	2.5	Junction
AL_DS007435	922,633	632,373	-3.1	3.4	Junction
AL_DS008331	926,740	632,767	-1.3	3.2	Junction
AL_DS008332	926,571	632,762	-2.3	3.4	Junction
AL_DS008333	926,400	632,760	-2.6	3.3	Junction

Table HC-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
AL_DS008334	926,231	632,755	-2.8	3.2	Junction
AL_DS008335	926,060	632,751	-3.0	3.2	Junction
AL_DS008336	925,887	632,749	-4.1	3.3	Junction
AL_DS008337	925,830	632,794	-3.6	3.2	Junction
AL_DS008339	925,819	633,119	-4.7	3.3	Junction

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_NID11041_1	BC_NID11039	BC_NID11041	Circular	Force Main	163		0.00	0.10	3.50		1		
BC_NID11041_2	BC_NID11041	PKE_DO000289	Circular	Force Main	1,365		0.10	0.00	5.33		1		
BC_PDPO00007	BC_PS000011DS	BC_NID11041	Circular	Force Main	227		0.00	0.10	5.33		1		
HG_PS000005FM	HG_PS000005DS	HG_DS005907	Circular	Force Main	868		0.00	0.00	0.67		1		
441_AGE999925	441_AGE999925	441_NID12478	Circular	Pipe	33	0.013	-1.70	-1.80	3.50		1	0.3	0.8
441_DMH000586	441_DMH000586	441_DO000591	Circular	Pipe	681	0.013	-3.00	-4.50	4.50		1	0.3	1.7
441_DMH000587	441_DMH000587	441_DMH000586	Circular	Pipe	297	0.013	-2.50	-3.00	2.50		1	0.3	0.7
441_DMH000591	441_DMH000591	441_DS007396	Circular	Pipe	249	0.013	-1.80	-2.00	4.50		1	0.3	0.2
441_DMH000593	441_DMH000593	441_DS003402	Circular	Pipe	43	0.024	0.70	0.60	1.25		1	0.3	0.7
441_DMH000595	441_DMH000595	441_DS007784	Circular	Pipe	62	0.013	-0.20	-2.88	3.00		1	0.3	0.2
441_DMH000668	441_DMH000668	441_DMH000832	Circular	Pipe	400	0.013	-0.40	-0.60	3.00		1	0.3	0.2
441_DMH000669	441_DMH000669	441_DMH000668	Circular	Pipe	271	0.013	-0.30	-0.40	3.00		1	0.3	0.2
441_DMH000671	441_DMH000671	441_DMH000669	Circular	Pipe	183	0.013	0.40	0.20	2.50		1	0.3	0.2
441_DMH000825	441_DMH000825	441_DMH000671	Circular	Pipe	140	0.013	0.50	0.40	2.00		1	0.3	0.2
441_DMH000828	441_DMH000828	PL_DMH000147	Circular	Pipe	417	0.013	-2.00	-2.50	4.00		1	0.3	0.2
441_DMH000829	441_DMH000829	441_DMH000828	Circular	Pipe	117	0.013	-1.90	-2.00	4.00		1	0.3	0.2
441_DMH000830	441_DMH000830	441_DMH000829	Circular	Pipe	265	0.013	-1.50	-1.90	3.50		1	0.3	0.2
441_DMH000831	441_DMH000831	441_DMH000830	Circular	Pipe	289	0.013	-1.00	-1.50	3.50		1	0.3	0.2
441_DMH000832	441_DMH000832	PL_DMH000670	Circular	Pipe	130	0.013	-0.60	-0.80	3.00		1	0.3	0.2
441_DMH000952	441_DMH000952	441_NID10473	Circular	Pipe	189	0.013	-1.00	-2.00	2.50		1	0.3	1.0
441_DMH000953	441_DMH000953	441_DMH000954	Circular	Pipe	24	0.013	-0.80	-0.90	2.00		1	0.3	0.2
441_DMH000954	441_DMH000954	441_DMH000952	Circular	Pipe	42	0.013	-0.90	-1.00	2.50		1	0.3	0.2
441_DMH000955	441_DMH000955	441_DMH000953	Circular	Pipe	79	0.013	-0.50	-0.80	2.00		1	0.3	0.2
441_DMH000956	441_DMH000956	441_NID10473	Circular	Pipe	128	0.013	0.00	-1.00	1.25		1	0.3	1.0
441_DMH002125	441_DMH002125	441_DMH002126	Circular	Pipe	251	0.013	8.00	7.50	1.50		1	0.3	0.2
441_DMH002126	441_DMH002126	441_DMH002127	Circular	Pipe	196	0.013	7.50	7.00	1.50		1	0.3	0.2
441_DMH002127	441_DMH002127	441_DMH002128	Circular	Pipe	88	0.013	7.00	6.50	1.50		1	0.3	0.2
441_DMH002128	441_DMH002128	441_DMH002129	Circular	Pipe	212	0.013	6.50	5.50	2.50		1	0.3	0.2
441_DMH002129	441_DMH002129	441_DMH002130	Circular	Pipe	315	0.013	5.50	4.00	2.50		1	0.3	0.7
441_DMH002130	441_DMH002130	441_DS010209	Circular	Pipe	28	0.013	4.00	3.50	2.50		1	0.3	0.7
441_DMH002131	441_DMH002131	441_DS010212	Circular	Pipe	90	0.013	2.50	1.50	2.50		1	0.3	0.2
441_DMH002132	441_DMH002132	441_DMH002134	Circular	Pipe	149	0.013	-0.10	-0.20	3.00		1	0.3	0.2
441_DMH002134	441_DMH002134	441_DMH002135	Circular	Pipe	117	0.013	-0.20	-0.30	3.50		1	0.3	0.2
441_DMH002135	441_DMH002135	441_DMH002136	Circular	Pipe	146	0.013	-0.30	-0.40	3.50		1	0.3	0.2
441_DMH002136	441_DMH002136	441_DMH002137	Circular	Pipe	72	0.013	-0.40	-0.50	3.50		1	0.3	0.2
441_DMH002137	441_DMH002137	441_DMH002139	Circular	Pipe	91	0.013	-0.50	-0.60	3.50		1	0.3	0.2
441_DMH002138	441_DMH002138	441_DS010224	Circular	Pipe	209	0.013	0.50	0.20	2.00		1	0.3	0.2
441_DMH002139	441_DMH002139	441_DS010231	Circular	Pipe	63	0.013	-0.60	-0.70	3.50		1	0.3	0.2
441_DMH002149	441_DMH002149	441_DMH002150	Circular	Pipe	322	0.013	0.00	-0.10	3.00		1	0.3	0.7
441_DMH002150	441_DMH002150	441_DMH002151	Circular	Pipe	74	0.013	-0.10	-0.20	3.00		1	0.3	0.2
441_DMH002151	441_DMH002151	441_DMH000669	Circular	Pipe	183	0.013	-0.20	-0.30	3.00		1	0.3	0.2
441_DO000593	441_NID10473	441_DS007402	Circular	Pipe	89	0.013	-2.00	-2.50	2.50		1	0.5	1.0
441_DO000599	441_DO000591	441_NID10473	Circular	Pipe	71	0.013	-2.84	-2.67	4.50		1	0.5	1.0
441_DO000917	441_DO000917	441_DWS000023	Circular	Pipe	149	0.013	0.10	0.00	3.00		4	0.5	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS001065	441_DS001065	441_DMH000956	Circular	Pipe	191	0.013	0.50	0.00	1.25		1	0.3	0.7
441_DS001067	441_DS001067	441_DMH000955	Circular	Pipe	77	0.013	0.00	-0.50	1.25		1	0.3	0.5
441_DS001070	441_DS001070	441_DMH000955	Circular	Pipe	206	0.013	0.00	-0.50	2.00		1	0.3	0.5
441_DS001071	441_DS001071	441_DS001070	Circular	Pipe	314	0.013	0.89	0.00	2.00		1	0.3	0.4
441_DS001074	441_DS001074	441_DMH000954	Circular	Pipe	137	0.013	-0.50	-0.90	1.50		1	0.3	0.7
441_DS001075	441_DS001075	441_DS001074	Circular	Pipe	132	0.013	0.00	-0.50	1.50		1	0.3	0.2
441_DS001077	441_DS001077	441_NID10473	Circular	Pipe	144	0.013	0.00	-1.00	1.25		1	0.3	1.0
441_DS001079	441_DS001079	441_DS001075	Circular	Pipe	153	0.013	0.50	0.00	1.25		1	0.3	0.5
441_DS001881	441_DS001881	BC_NID12505	Circular	Pipe	138	0.013	0.05	-1.00	1.50		2	0.3	0.6
441_DS002109	441_DS002109	441_DMH002127	Circular	Pipe	76	0.013	7.50	7.00	1.50		1	0.3	0.7
441_DS002110	441_DS002110	441_DS002109	Circular	Pipe	202	0.013	7.92	7.42	2.00		1	0.3	0.7
441_DS002412	441_DS002412	441_DMH000825	Circular	Pipe	45	0.013	1.00	0.50	1.25		3	0.3	0.6
441_DS002415	441_DS002415	441_DMH000825	Circular	Pipe	55	0.013	1.00	0.50	1.25		4	0.3	0.6
441_DS002421	441_DS002421	441_DMH000828	Circular	Pipe	43	0.013	0.00	0.00	1.25		3	0.3	0.5
441_DS002424	441_DS002424	PL_DMH000670	Circular	Pipe	45	0.013	0.00	-0.80	1.25		2	0.3	0.6
441_DS002486	441_DS002486	441_NID12522	Circular	Pipe	197	0.013	-4.00	-4.10	3.50		1	0.3	0.6
441_DS002487	441_DS002487	441_DS002486	Circular	Pipe	144	0.013	-3.90	-4.00	3.50		1	0.3	0.2
441_DS002498_02	441_DS002498	441_DS002503	Circular	Pipe	44	0.013	0.20	-0.50	2.00		1	0.3	0.5
441_DS002519	441_DS002519	BC_NID15973	Circular	Pipe	103	0.013	-1.50	-1.90	1.50		2	0.3	0.7
441_DS003401	441_DS003401	441_DS006665	Circular	Pipe	122	0.024	0.50	0.30	1.25		1	0.3	0.2
441_DS003402	441_DS003402	441_DS003401	Circular	Pipe	24	0.024	0.60	0.50	1.25		1	0.3	0.6
441_DS003404	441_DS003404	441_DS007402	Circular	Pipe	132	0.024	0.00	-1.00	1.25		1	0.3	1.0
441_DS006657	441_DS006657	441_DS007402	Circular	Pipe	137	0.024	0.00	-1.00	1.50		1	0.3	1.0
441_DS006658	441_DS006658	441_DS007403	Circular	Pipe	165	0.024	0.00	-1.00	1.25		1	0.3	1.0
441_DS006659	441_DS006659	441_NID10425	Circular	Pipe	118	0.024	0.50	0.00	1.25		1	0.3	0.2
441_DS006660	441_DS006660	441_DS007403	Circular	Pipe	47	0.024	0.00	-1.00	1.25		1	0.3	1.0
441_DS006661	441_DS006661	441_DS006662	Circular	Pipe	243	0.024	0.50	0.00	1.25		1	0.3	0.7
441_DS006662	441_DS006662	441_DS007402	Circular	Pipe	196	0.024	0.00	-1.00	1.50		1	0.3	1.0
441_DS006663	441_DS006663	441_DS007402	Circular	Pipe	205	0.024	0.00	-1.00	1.50		1	0.3	1.0
441_DS006664	441_DS006664	441_DS007402	Circular	Pipe	156	0.024	-0.11	-1.00	2.00		1	0.3	1.0
441_DS006665	441_DS006665	441_DS006664	Circular	Pipe	153	0.024	0.30	-0.11	1.50		1	0.3	0.2
441_DS006667	441_DS006667	441_DMH000595	Circular	Pipe	17	0.024	0.20	-0.20	2.50		1	0.3	0.2
441_DS006668	441_DS006668	441_DS006667	Circular	Pipe	54	0.024	-0.15	0.36	2.50		1	0.3	0.2
441_DS006669	441_DS006669	441_DS007402	Circular	Pipe	281	0.024	0.05	-1.00	2.00		1	0.3	1.0
441_DS006670	441_DS006670	441_DS006669	Circular	Pipe	208	0.024	0.50	0.05	1.50		1	0.3	0.4
441_DS006671	441_DS006671	441_DS006670	Circular	Pipe	40	0.024	0.60	0.50	1.25		1	0.3	0.7
441_DS006685	441_DS006685	441_DMH000593	Circular	Pipe	126	0.024	1.00	0.70	1.25		1	0.3	0.7
441_DS006840	441_DS006840	441_DS006671	Circular	Pipe	88	0.024	0.80	0.60	1.25		1	0.3	0.5
441_DS006841	441_DS006841	441_DS006840	Circular	Pipe	143	0.024	1.00	0.80	1.25		1	0.3	0.5
441_DS007396	441_DS007396	441_DS007397	Circular	Pipe	220	0.013	-2.00	-2.50	4.50		1	0.3	0.2
441_DS007397_1	441_DS007397	BC_DS001904	Circular	Pipe	89	0.013	0.00	1.00	3.00		1	0.3	0.2
441_DS007397_2	441_DS007397	441_DMH000586	Circular	Pipe	170	0.013	-2.50	-3.00	4.50		1	0.3	0.7
441_DS007401	441_DS007401	441_DS006670	Circular	Pipe	114	0.024	0.60	0.50	1.25		1	0.3	0.6
441_DS007402	441_DS007402	441_DS006668	Circular	Pipe	151	0.024	-1.01	-0.15	2.50		1	0.5	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS007403	441_DS007403	441_DS006657	Circular	Pipe	83	0.024	-1.00	0.00	1.25		1	0.5	0.2
441_DS007409	441_DS007409	441_DMH000587	Circular	Pipe	161	0.013	-2.00	-2.50	2.50		1	0.3	0.2
441_DS007784	441_DS007784	441_DS007785	Circular	Pipe	80	0.013	-2.88	-2.84	3.00		1	0.3	0.2
441_DS007785	441_DS007785	441_DS007788	Circular	Pipe	64	0.013	-2.84	-2.93	3.00		1	0.3	0.4
441_DS007788	441_DS007788	441_DS007789	Circular	Pipe	75	0.013	-2.93	-2.80	3.00		1	0.3	0.2
441_DS007789	441_DS007789	441_DS007816	Circular	Pipe	167	0.013	-2.80	-2.66	3.00		1	0.3	0.2
441_DS007790	441_DS007790	441_DS007791	Circular	Pipe	86	0.013	0.20	0.00	1.25		1	0.3	0.5
441_DS007791	441_DS007791	441_DS007792	Circular	Pipe	131	0.013	0.00	-0.50	1.25		1	0.3	0.7
441_DS007792	441_DS007792	441_DS007793	Circular	Pipe	103	0.013	-0.50	-1.00	1.25		1	0.3	0.2
441_DS007793	441_DS007793	441_DS007794	Circular	Pipe	117	0.013	-1.00	-1.50	1.25		1	0.3	0.5
441_DS007794	441_DS007794	441_DS007795	Circular	Pipe	85	0.013	-1.50	-2.00	1.25		1	0.3	0.5
441_DS007795	441_DS007795	441_DS007796	Circular	Pipe	67	0.013	-2.00	-2.20	1.25		1	0.3	0.2
441_DS007796	441_DS007796	441_DS007789	Circular	Pipe	112	0.013	-2.20	-2.80	1.50		1	0.3	0.6
441_DS007797	441_DS007797	441_DS007789	Circular	Pipe	137	0.013	-2.00	-2.80	1.25		1	0.3	0.2
441_DS007798	441_DS007798	441_DS007797	Circular	Pipe	184	0.013	-1.00	-2.00	1.25		1	0.3	0.7
441_DS007800	441_DS007800	441_DS007797	Circular	Pipe	134	0.013	-1.00	-2.00	1.25		1	0.3	0.2
441_DS007801	441_DS007801	441_DS007800	Circular	Pipe	70	0.013	-0.50	-1.00	1.25		1	0.3	0.5
441_DS007802	441_DS007802	441_DS007801	Circular	Pipe	118	0.013	0.00	-0.50	1.25		1	0.3	0.5
441_DS007804	441_DS007804	441_DS007802	Circular	Pipe	69	0.013	0.20	0.00	1.25		1	0.3	0.7
441_DS007809	441_DS007809	441_DS007795	Circular	Pipe	67	0.013	-1.50	-2.00	1.00		1	0.3	0.7
441_DS007810	441_DS007810	441_DS007809	Circular	Pipe	60	0.013	-1.00	-1.50	1.00		1	0.3	0.6
441_DS007813	441_DS007813	441_DS007810	Circular	Pipe	108	0.013	-0.50	-1.00	1.00		1	0.3	0.2
441_DS007814	441_DS007814	441_DS007813	Circular	Pipe	110	0.013	-0.50	0.00	1.00		1	0.3	0.6
441_DS007816	441_DS007816	PL_FDG000164	Circular	Pipe	171	0.013	-2.66	-3.00	3.00		1	0.3	1.0
441_DS007817	441_DS007817	441_DS007800	Circular	Pipe	48	0.013	-0.50	-1.00	1.25		1	0.3	0.7
441_DS007818	441_DS007818	441_DS007817	Circular	Pipe	149	0.013	0.00	-0.50	1.00		1	0.3	0.7
441_DS007822	441_DS007822	441_DS007817	Circular	Pipe	96	0.013	0.00	-0.50	1.00		1	0.3	0.2
441_DS009019	441_DS009019	441_DS009142	Circular	Pipe	154	0.011	1.00	0.80	1.50		1	0.3	0.2
441_DS009020	441_DS009020	441_DS009019	Circular	Pipe	65	0.013	1.10	1.00	1.50		1	0.3	0.5
441_DS009021	441_DS009021	441_DS009020	Circular	Pipe	125	0.011	1.30	1.10	1.50		1	0.3	2.0
441_DS009022	441_DS009022	441_DS009021	Circular	Pipe	91	0.013	1.40	1.30	1.50		1	0.3	0.5
441_DS009023	441_DS009023	441_DS009148	Circular	Pipe	59	0.013	1.80	1.70	1.50		1	0.3	0.2
441_DS009026	441_DS009026	441_DS009145	Circular	Pipe	58	0.013	0.40	0.30	1.50		1	0.3	0.2
441_DS009027	441_DS009027	441_DS009146	Circular	Pipe	255	0.013	0.20	0.00	1.50		1	0.3	0.2
441_DS009142	441_DS009142	441_DS009144	Circular	Pipe	115	0.013	0.80	0.60	1.50		1	0.3	0.2
441_DS009144	441_DS009144	441_DS009026	Circular	Pipe	108	0.013	0.60	0.40	1.50		1	0.3	0.2
441_DS009145	441_DS009145	441_DS009027	Circular	Pipe	89	0.013	0.30	0.20	1.50		1	0.3	0.7
441_DS009146	441_DS009146	441_DS002019z	Circular	Pipe	163	0.013	0.00	-0.20	0.67		1	0.3	0.4
441_DS009148	441_DS009148	441_DS009022	Circular	Pipe	280	0.013	1.70	1.40	1.50		1	0.3	0.5
441_DS010201	441_DS010201	441_DMH002125	Circular	Pipe	86	0.013	9.00	8.00	1.50		1	0.3	0.7
441_DS010208	441_DS010208	441_DMH002128	Circular	Pipe	30	0.013	7.50	6.50	1.50		3	0.3	0.7
441_DS010209	441_DS010209	441_DMH002131	Circular	Pipe	78	0.013	3.50	2.50	2.50		1	0.3	0.2
441_DS010212	441_DS010212	441_DS010213	Circular	Pipe	93	0.013	1.50	1.00	3.00		1	0.3	0.2
441_DS010213	441_DS010213	441_DS010216	Circular	Pipe	168	0.013	1.00	0.50	3.00		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS010216	441_DS010216	441_DS010218	Circular	Pipe	247	0.013	0.50	0.00	3.00		1	0.3	0.2
441_DS010218	441_DS010218	441_DMH002132	Circular	Pipe	169	0.013	0.00	-0.10	3.00		1	0.3	0.2
441_DS010221	441_DS010221	441_DMH002132	Circular	Pipe	110	0.013	0.00	-0.10	1.50		3	0.3	0.6
441_DS010222	441_DS010222	441_DMH002134	Circular	Pipe	19	0.013	0.00	-0.20	1.50		1	0.3	0.7
441_DS010223	441_DS010223	441_DMH002134	Circular	Pipe	108	0.013	0.00	-0.20	1.50		1	0.3	0.7
441_DS010224	441_DS010224	441_DS010223	Circular	Pipe	93	0.013	0.20	0.00	2.00		1	0.3	0.6
441_DS010227	441_DS010227	441_DMH002137	Circular	Pipe	77	0.013	0.00	-0.50	1.50		1	0.3	0.7
441_DS010228	441_DS010228	441_DMH002138	Circular	Pipe	98	0.013	0.70	0.50	1.50		1	0.3	0.7
441_DS010229	441_DS010229	441_DS010228	Circular	Pipe	95	0.013	1.00	0.70	1.50		1	0.3	0.7
441_DS010230	441_DS010230	441_DMH002139	Circular	Pipe	63	0.013	0.00	-0.60	1.50		1	0.3	0.7
441_DS010231	441_DS010231	441_DS010233	Circular	Pipe	202	0.013	-0.70	-0.90	4.00		1	0.3	0.7
441_DS010233	441_DS010233	441_DWS000023	Circular	Pipe	62	0.013	-0.90	-1.00	4.00		1	0.3	1.0
441_DS010239	441_DS010239	441_DS010240	Circular	Pipe	110	0.013	1.50	1.00	1.50		1	0.3	0.2
441_DS010240	441_DS010240	441_DO000917	Circular	Pipe	45	0.013	1.00	0.00	3.50		1	0.3	1.0
441_DS010257	441_DS010257	441_DMH002149	Circular	Pipe	63	0.013	0.10	0.00	3.00		1	0.5	0.7
441_NID10059	441_NID10059	441_DS010231	Circular	Pipe	125	0.013	0.00	-0.70	1.50		1	0.3	0.7
441_NID10473	441_NID10473	441_DS007402	Circular	Pipe	80	0.013	-2.00	-2.50	2.50		1	0.5	1.0
441_NID12421	441_NID12421	BC_NID12422	Circular	Pipe	112	0.013	1.00	0.50	1.50		1	0.3	0.2
441_NID12428	441_NID12428	BC_NID12427	Circular	Pipe	134	0.013	2.00	0.10	1.50		1	0.3	0.7
441_NID12469	441_NID12469	BC_NID12468	Circular	Pipe	126	0.013	2.00	1.00	1.50		1	0.3	0.7
441_NID12478	441_NID12478	BC_NID12479	Circular	Pipe	323	0.013	-1.80	-1.90	3.50		1	0.3	0.2
441_NID12504	441_NID12504	441_DS002487	Circular	Pipe	17	0.013	-3.85	-3.90	1.50		1	0.3	0.7
441_NID12521	441_NID12521	441_DS002486	Circular	Pipe	105	0.013	0.05	-1.00	1.50		2	0.3	0.7
441_NID12522	441_NID12522	BC_NID12526	Circular	Pipe	110	0.013	-4.10	-4.20	3.50		1	0.3	0.6
AF_DMH000584	AF_DMH000584	AF_DS004047	Circular	Pipe	68	0.013	0.00	-0.10	3.50		1	0.3	0.2
AF_DMH000596	AF_DMH000596	SC_DS001887	Circular	Pipe	435	0.013	-0.30	-0.50	4.00		1	0.3	0.2
AF_DS004047	AF_DS004047	AF_DMH000596	Circular	Pipe	297	0.013	-0.10	-0.30	3.50		1	0.3	0.2
AL_DMH000568	AL_DMH000568	BC_AGE999998	Circular	Pipe	35	0.022	-2.70	-3.10	2.00		1	0.3	1.0
AL_DMH000570	AL_DMH000570	AL_DMH000572	Circular	Pipe	192	0.013	-1.00	-1.40	1.50		1	0.3	0.2
AL_DMH000571	AL_DMH000571	BC_AGE999998	Circular	Pipe	46	0.022	-2.58	-3.50	2.00		1	0.3	1.0
AL_DMH000572	AL_DMH000572	AL_DS001845	Circular	Pipe	29	0.013	-1.40	-1.50	2.00		1	0.3	0.5
AL_DMH000573	AL_DMH000573	AL_DO000618	Circular	Pipe	43	0.013	-6.88	-6.88	6.00		1	0.3	1.0
AL_DMH000574	AL_DMH000574	AL_DS007378	Circular	Pipe	337	0.013	-3.58	-3.58	3.00		1	0.3	0.2
AL_DMH000575	AL_DMH000575	AL_DS001869	Circular	Pipe	12	0.013	-2.65	-2.70	3.00		1	0.3	0.7
AL_DMH000576	AL_DMH000576	AL_CDCO98235	Circular	Pipe	102	0.013	-3.58	-4.00	3.00		1	0.3	1.0
AL_DMH000577_01	AL_DMH000577	AL_DMH000574	Circular	Pipe	275	0.013	-3.58	-3.58	3.00		1	0.3	0.2
AL_DMH000577_02	AL_DMH000577	AL_DMH000576	Circular	Pipe	298	0.013	-3.58	-3.58	3.00		1	0.3	0.2
AL_DMH000610	AL_DMH000610	AL_AGE999990	Circular	Pipe	27	0.013	-6.58	-8.00	5.00		1	0.3	1.0
AL_DMH000611	AL_DMH000611	AL_AGE999990	Circular	Pipe	39	0.013	-6.58	-6.58	5.00		1	0.3	1.0
AL_DMH000616	AL_DMH000616	AL_DS001939	Circular	Pipe	101	0.013	-2.58	-2.58	3.00		1	0.3	0.5
AL_DMH000639	AL_DMH000639	AL_AGE999990	Circular	Pipe	200	0.013	-3.77	-4.00	3.00		1	0.3	1.0
AL_DMH001640	AL_DMH001640	AL_DS008339	Circular	Pipe	184	0.011	-4.19	-4.41	3.50		1	0.3	0.7
AL_DO000558	AL_DO000558	AL_DMH000610	Circular	Pipe	149	0.013	-6.40	-6.58	5.00		1	0.3	0.2
AL_DO000560	AL_DS003378	AL_DO000558	Circular	Pipe	39	0.013	-1.00	-3.00	2.00		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DO000566	AL_DO000566	AL_DO000784	Circular	Pipe	58	0.013	2.00	1.90	2.00		1	0.5	0.5
AL_DO000618	AL_DO000618	AL_DM000611	Circular	Pipe	148	0.013	-6.58	-6.58	5.00		1	0.3	0.2
AL_DO000657	AL_DO000656	AL_DO000657	Circular	Pipe	40	0.011	2.07	2.02	1.00		1	0.5	0.5
AL_DO000770	AL_DS008331	AL_DO000770	Circular	Pipe	43	0.011	-1.30	-1.34	1.50		1	0.3	0.6
AL_DO000771	AL_DO000771	AL_DS008333	Circular	Pipe	129	0.011	-0.50	-1.71	1.50		1	0.3	0.7
AL_DO000772	AL_DO000772	AL_DS008336	Circular	Pipe	77	0.011	-0.50	-2.00	1.50		1	0.3	0.5
AL_DO000786	AL_DO000786	AL_DO000785	Circular	Pipe	101	0.013	1.90	1.85	2.00		1	0.5	0.5
AL_DO000788	AL_DO000788	AL_DO000787	Circular	Pipe	70	0.013	1.90	1.85	2.00		1	0.5	0.5
AL_DO000790	AL_DO000790	AL_DO000789	Circular	Pipe	60	0.013	1.20	1.10	1.00		1	0.5	0.5
AL_DO000791	AL_DO000791	AL_DO000792	Circular	Pipe	42	0.013	1.20	1.10	1.50		1	0.5	0.5
AL_DO000794	AL_DO000794	AL_DO000793	Circular	Pipe	48	0.013	1.95	1.90	2.00		1	0.5	0.5
AL_DO000852	AL_DO000852	AL_DO000851	Circular	Pipe	111	0.011	1.80	1.75	1.00		1	0.5	0.5
AL_DS001030	AL_DS001030	AL_DS001034	Circular	Pipe	110	0.013	-1.50	-2.00	1.50		1	0.3	0.7
AL_DS001031	AL_DS001031	AL_DS001032	Circular	Pipe	246	0.013	0.10	-1.00	1.50		1	0.3	0.2
AL_DS001032	AL_DS001032	AL_DS001030	Circular	Pipe	94	0.013	-1.00	-1.50	1.50		1	0.3	0.5
AL_DS001034	AL_DS001034	AL_DS001035	Circular	Pipe	153	0.013	-4.42	-2.29	2.00		1	0.3	0.2
AL_DS001040_01	AL_DS001040	AL_DS001857	Circular	Pipe	193	0.013	-1.55	-3.68	3.50		1	0.3	0.2
AL_DS001040_02	AL_DS001040	AL_DS001041	Circular	Pipe	40	0.013	-1.08	-1.30	1.50		1	0.3	0.2
AL_DS001041	AL_DS001041	AL_DS001042	Circular	Pipe	190	0.013	-1.30	-1.60	1.50		1	0.3	0.2
AL_DS001053	AL_DS001053	AL_AGE999842	Circular	Pipe	53	0.013	0.10	-0.90	1.50		1	0.3	0.5
AL_DS001054	AL_DS001054	AL_AGE999855	Circular	Pipe	147	0.013	-2.00	-2.10	2.00		2	0.3	0.5
AL_DS001059	AL_DS001059	AL_AGE999858	Circular	Pipe	129	0.013	-0.90	-1.00	2.00		2	0.3	0.5
AL_DS001061-1	AL_DS001061	AL_DS001059	Circular	Pipe	148	0.013	-0.80	-0.90	2.00		2	0.3	0.2
AL_DS001061-2	AL_DS001061	AL_DS001062	Circular	Pipe	123	0.013	-0.80	-0.90	2.00		2	0.3	0.2
AL_DS001062	AL_DS001062	AL_DS001063	Circular	Pipe	83	0.013	-0.90	-1.00	2.00		2	0.3	0.2
AL_DS001101	AL_DS001101	AL_AGE999990	Circular	Pipe	34	0.022	-3.58	-3.58	2.00		1	0.3	1.0
AL_DS001105	AL_DS001105	AL_AGE999990	Circular	Pipe	32	0.022	-3.62	-3.56	2.00		1	0.3	1.0
AL_DS001115_01	AL_DS001115	AL_DS001117	Circular	Pipe	63	0.013	-1.60	-1.70	2.00		1	0.3	0.5
AL_DS001115_02	AL_DS001115	AL_DS001116	Circular	Pipe	61	0.013	-1.60	-1.70	2.00		1	0.3	0.5
AL_DS001118	AL_DS001118	AL_DS001119	Circular	Pipe	102	0.013	-1.78	-0.65	2.00		1	0.5	0.5
AL_DS001134	AL_DS001134	AL_DS001127	Circular	Pipe	93	0.013	-1.40	-1.50	2.00		1	0.5	0.5
AL_DS001142_01	AL_DS001142	AL_DS001143	Circular	Pipe	163	0.013	-1.18	-2.53	2.00		1	0.3	0.2
AL_DS001142_02	AL_DS001143	AL_DS001144	Circular	Pipe	120	0.013	-4.18	-4.18	2.50		1	0.3	0.2
AL_DS001144	AL_DS001144	AL_DS001145	Circular	Pipe	125	0.013	-2.28	-1.68	2.50		1	0.3	0.2
AL_DS001145	AL_DS001145	AL_DS001146	Circular	Pipe	121	0.013	-1.68	-1.68	2.50		1	0.3	0.2
AL_DS001146	AL_DS001146	AL_DS001147	Circular	Pipe	121	0.013	-4.88	-4.88	2.50		1	0.3	0.2
AL_DS001147	AL_DS001147	AL_DS001148	Circular	Pipe	120	0.013	-2.23	-2.23	3.00		1	0.3	0.2
AL_DS001148	AL_DS001148	AL_DS001149	Circular	Pipe	139	0.013	-2.78	-3.48	3.50		1	0.3	0.2
AL_DS001152	AL_DS001152	AL_DO000618	Circular	Pipe	29	0.013	-3.58	-3.58	3.00		1	0.3	0.2
AL_DS001153	AL_DS001153	AL_DO000558	Circular	Pipe	35	0.013	-1.00	-3.00	2.00		1	0.3	1.0
AL_DS001837	AL_DS001837	AL_DM000568	Circular	Pipe	13	0.022	-2.30	-2.70	2.00		1	0.3	0.2
AL_DS001838	AL_DS001842	AL_DS001838	Circular	Pipe	19	0.013	-3.30	-3.50	1.50		1	0.3	0.2
AL_DS001839	AL_DS001839	AL_DS007356	Circular	Pipe	23	0.013	-3.68	-3.39	2.00		1	0.3	0.2
AL_DS001840	AL_DS001840	AL_DS001837	Circular	Pipe	28	0.022	-1.90	-2.30	2.00		1	0.3	0.3

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS001843	AL_DS001843	AL_DS007348	Circular	Pipe	20	0.013	-0.20	-0.50	1.50		1	0.3	0.3
AL_DS001846	AL_DS001846	AL_DMH000572	Circular	Pipe	79	0.013	-1.00	-1.40	2.00		1	0.3	0.2
AL_DS001847	AL_DS001847	AL_DMH000571	Circular	Pipe	15	0.022	-2.00	-2.58	2.00		1	0.3	0.2
AL_DS001848	AL_DS001848	AL_DMH000571	Circular	Pipe	147	0.013	-2.58	-2.58	2.00		1	0.3	0.2
AL_DS001849	AL_DS001849	AL_DS001852	Circular	Pipe	178	0.013	-0.50	-1.73	2.00		1	0.3	0.2
AL_DS001850	AL_DS001850	AL_DS001851	Circular	Pipe	92	0.013	2.00	1.00	1.25		1	0.3	0.5
AL_DS001852	AL_DS001852	AL_DS001853	Circular	Pipe	244	0.013	-1.73	-2.38	2.50		1	0.3	0.2
AL_DS001853	AL_DS001853	AL_DS001854	Circular	Pipe	240	0.013	-2.38	-2.63	2.50		1	0.3	0.6
AL_DS001854	AL_DS001854	AL_DS001855	Circular	Pipe	49	0.013	-2.63	-2.68	2.50		1	0.3	0.3
AL_DS001855	AL_DS001855	AL_DS001856	Circular	Pipe	276	0.013	-3.08	-3.38	3.50		1	0.3	0.2
AL_DS001856	AL_DS001856	AL_DS001040	Circular	Pipe	115	0.013	-1.55	-3.38	3.50		1	0.3	0.2
AL_DS001857	AL_DS001857	AL_DMH000610	Circular	Pipe	107	0.013	-3.68	-3.78	3.50		1	0.3	0.2
AL_DS001858	AL_DS001858	AL_DS001855	Circular	Pipe	118	0.013	-1.50	-1.68	2.00		1	0.3	0.6
AL_DS001859	AL_DS001859	AL_DS001856	Circular	Pipe	119	0.013	-1.50	-1.68	1.25		1	0.3	0.7
AL_DS001860	AL_DS001860	AL_DS001857	Circular	Pipe	131	0.013	-1.50	-1.68	1.25		1	0.3	0.8
AL_DS001861	AL_DS001861	AL_DMH000573	Circular	Pipe	556	0.013	-6.58	-6.88	6.00		1	0.3	0.2
AL_DS001862	AL_DS001862	AL_DS001929	Circular	Pipe	298	0.013	-2.58	-3.38	3.50		1	0.3	0.2
AL_DS001863	AL_DS001863	AL_DS001862	Circular	Pipe	260	0.013	-2.58	-2.58	3.00		1	0.3	0.2
AL_DS001864	AL_DS001864	AL_DS001865	Circular	Pipe	182	0.013	-2.18	-1.90	2.50		1	0.3	0.2
AL_DS001865	AL_DS001865	AL_DS001866	Circular	Pipe	200	0.013	-2.58	-2.78	3.00		1	0.3	0.2
AL_DS001866	AL_DS001866	AL_DS001925	Circular	Pipe	198	0.013	-3.28	-3.48	3.50		1	0.3	0.2
AL_DS001867	AL_DS001867	AL_DS001878	Circular	Pipe	111	0.013	-2.58	-3.58	2.00		1	0.3	0.2
AL_DS001868	AL_DS001868	AL_DS001861	Circular	Pipe	249	0.013	-5.08	-5.38	5.00		1	0.3	0.7
AL_DS001869	AL_DS001869	AL_DS001957	Circular	Pipe	277	0.013	-2.58	-2.88	3.00		1	0.3	0.2
AL_DS001870	AL_DS001870	AL_DS001868	Circular	Pipe	78	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001871	AL_DS001871	AL_DS001953	Circular	Pipe	80	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001872	AL_DS001872	AL_DS001954	Circular	Pipe	65	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001873	AL_DS001873	AL_DS001878	Circular	Pipe	52	0.013	-4.62	-4.65	2.00		1	0.3	0.2
AL_DS001874	AL_DS001874	AL_DS001864	Circular	Pipe	107	0.013	-2.08	-2.18	2.50		1	0.3	0.2
AL_DS001875	AL_DS001875	AL_DS001865	Circular	Pipe	113	0.013	-1.50	-1.68	2.00		1	0.3	0.7
AL_DS001876	AL_DS001876	AL_DS001866	Circular	Pipe	118	0.013	-1.50	-1.68	2.00		1	0.3	0.2
AL_DS001877	AL_DS001877	AL_DS001925	Circular	Pipe	113	0.013	-2.08	-2.18	2.50		1	0.3	0.7
AL_DS001921	AL_DS001921	AL_DMH000610	Circular	Pipe	274	0.013	-3.08	-3.38	3.00		1	0.3	0.2
AL_DS001922	AL_DS001922	AL_DS001921	Circular	Pipe	299	0.013	-2.08	-2.38	2.50		1	0.3	0.2
AL_DS001923	AL_DS001923	AL_DS004114	Circular	Pipe	260	0.013	-2.08	-2.38	2.50		1	0.3	0.2
AL_DS001924	AL_DS001924	AL_DS001927	Circular	Pipe	53	0.013	-4.58	-4.68	4.50		1	0.3	0.5
AL_DS001925	AL_DS001925	AL_DS007415	Circular	Pipe	301	0.013	-3.48	-3.77	3.50		1	0.3	0.2
AL_DS001926	AL_DS001926	AL_DS004106	Circular	Pipe	171	0.013	-5.78	-5.98	6.00		1	0.3	0.3
AL_DS001927	AL_DS001927	AL_DS001926	Circular	Pipe	208	0.013	-5.58	-5.78	6.00		1	0.3	0.2
AL_DS001928	AL_DS001928	AL_DS001927	Circular	Pipe	160	0.013	-4.08	-4.28	4.50		1	0.3	0.6
AL_DS001929	AL_DS001929	AL_DS001928	Circular	Pipe	298	0.013	-3.58	-3.88	4.00		1	0.3	0.2
AL_DS001930	AL_DS001930	AL_DS001926	Circular	Pipe	122	0.013	-1.50	-1.68	1.25		1	0.3	0.7
AL_DS001932	AL_DS001932	AL_DS001924	Circular	Pipe	140	0.013	-1.67	-1.68	2.00		1	0.3	0.5
AL_DS001933	AL_DS001933	AL_DO000623	Circular	Pipe	64	0.013	-1.40	-1.50	2.00		1	0.3	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS001934	AL_DS001934	AL_DS001928	Circular	Pipe	104	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001935	AL_DS001935	AL_DS001929	Circular	Pipe	117	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001936	AL_DS001936	AL_DO000625	Circular	Pipe	68	0.011	0.10	0.05	1.33		1	0.3	0.5
AL_DS001939	AL_DS001939	AL_DM000575	Circular	Pipe	45	0.013	-2.58	-2.65	3.00		1	0.3	0.2
AL_DS001940	AL_DS001940	AL_DS001955	Circular	Pipe	77	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001941	AL_DS001941	AL_DS001956	Circular	Pipe	64	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001942	AL_DS001942	AL_DS001957	Circular	Pipe	63	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001943	AL_DS001943	AL_DM000616	Circular	Pipe	21	0.013	-2.58	-2.58	3.00		1	0.3	0.2
AL_DS001951	AL_DS001951	AL_DS001861	Circular	Pipe	79	0.013	-2.58	-2.68	3.00		1	0.3	0.7
AL_DS001952	AL_DS001952	AL_DS001862	Circular	Pipe	106	0.013	-2.58	-2.58	3.00		1	0.3	0.7
AL_DS001953	AL_DS001953	AL_DS001868	Circular	Pipe	302	0.013	-4.88	-5.08	5.00		1	0.3	0.3
AL_DS001954	AL_DS001954	AL_DS001953	Circular	Pipe	256	0.013	-4.58	-4.88	5.00		1	0.3	0.2
AL_DS001955	AL_DS001955	AL_DS001954	Circular	Pipe	269	0.013	-4.08	-4.28	4.50		1	0.3	0.2
AL_DS001956	AL_DS001956	AL_DS001955	Circular	Pipe	241	0.013	-3.58	-3.88	4.00		1	0.3	0.2
AL_DS001957	AL_DS001957	AL_DS001956	Circular	Pipe	213	0.013	-3.08	-3.28	3.50		1	0.3	0.2
AL_DS001958	AL_DS001958	AL_DS004114	Circular	Pipe	117	0.013	-1.54	-1.68	2.00		1	0.3	0.7
AL_DS001959	AL_DS001959	AL_DS001922	Circular	Pipe	113	0.013	-1.00	-1.68	2.00		1	0.3	0.7
AL_DS001960	AL_DS001960	AL_DS001923	Circular	Pipe	114	0.013	-1.00	-1.68	2.00		1	0.3	0.7
AL_DS001961	AL_DS001961	AL_DS001921	Circular	Pipe	114	0.013	-1.00	-1.68	1.25		1	0.3	0.7
AL_DS003377	AL_DS003377	AL_DO000558	Circular	Pipe	23	0.013	-1.00	-3.00	2.00		1	0.3	1.0
AL_DS003414	AL_DS003414	AL_DO000618	Circular	Pipe	40	0.013	-2.50	-3.00	3.00		1	0.3	1.0
AL_DS003419	AL_DS003419	AL_DO000618	Circular	Pipe	35	0.013	-3.58	-3.58	3.00		1	0.3	1.0
AL_DS003420	AL_DS003420	AL_DS003419	Circular	Pipe	261	0.013	-3.98	-3.98	3.00		1	0.3	0.2
AL_DS003421_01	AL_DS003421	AL_DS003420	Circular	Pipe	160	0.013	-3.08	-3.38	3.00		1	0.3	0.6
AL_DS003422	AL_DS003422	AL_DS003421	Circular	Pipe	183	0.013	-2.58	-2.58	2.50		1	0.3	0.4
AL_DS003423	AL_DS003423	AL_DS003422	Circular	Pipe	178	0.013	-1.38	-1.58	2.00		1	0.3	0.2
AL_DS003426	AL_DS003426	AL_DS003436	Circular	Pipe	114	0.013	-1.00	-1.20	2.00		1	0.3	0.6
AL_DS003427	AL_DS003427	AL_DS003426	Circular	Pipe	166	0.013	0.10	-1.00	2.00		1	0.3	0.3
AL_DS003432	AL_DS003432	AL_DS003433	Circular	Pipe	192	0.013	-2.62	-3.08	2.00		1	0.3	0.7
AL_DS003434_01	AL_DS003434	AL_DS009380	Circular	Pipe	80	0.013	-1.80	-2.00	2.00		1	0.3	0.2
AL_DS003435	AL_DS003435	AL_DS003434	Circular	Pipe	218	0.013	-1.50	-1.80	2.00		1	0.3	0.6
AL_DS003436	AL_DS003436	AL_DS003435	Circular	Pipe	104	0.013	-1.20	-1.50	2.00		1	0.3	0.6
AL_DS003439	AL_DS003439	AL_DS003440	Circular	Pipe	101	0.013	-0.20	-1.30	2.00		1	0.3	0.3
AL_DS003440	AL_DS003440	AL_AGE999978	Circular	Pipe	174	0.013	-1.30	-1.50	2.00		1	0.3	0.5
AL_DS003441	AL_DS003441	AL_DO000558	Circular	Pipe	43	0.013	-1.00	-3.00	2.00		1	0.3	1.0
AL_DS004106_01	AL_DS004106	AL_DM000611	Circular	Pipe	211	0.013	-5.98	-6.18	6.00		1	0.3	0.7
AL_DS004106_02	AL_DS004106	AL_DS001931	Circular	Pipe	121	0.013	-1.50	-1.68	1.25		1	0.3	0.7
AL_DS004114	AL_DS004114	AL_DM000611	Circular	Pipe	229	0.013	-2.58	-2.88	3.00		1	0.3	0.2
AL_DS004778	AL_DS004778	AL_AGE999957	Circular	Pipe	96	0.013	-4.08	-4.08	2.00		1	0.3	0.2
AL_DS004779	AL_DS004779	AL_CD098235	Circular	Pipe	102	0.013	-3.58	-4.00	2.00		1	0.3	1.0
AL_DS006624	AL_DS006624	AL_DS006625	Circular	Pipe	60	0.013	-0.60	-1.00	2.00		1	0.3	0.7
AL_DS006634	AL_DS006634	AL_DS006626	Circular	Pipe	301	0.013	-1.30	-1.50	2.00		1	0.3	0.2
AL_DS006637	AL_DS006637	AL_FDG000128	Circular	Pipe	37	0.013	-0.40	-0.80	2.00		1	0.3	0.2
AL_DS006640	AL_DS006640	AL_FDG000129	Circular	Pipe	81	0.013	0.70	0.20	2.00		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS006642	AL_DS006642	AL_FDG000131	Circular	Pipe	78	0.013	0.05	-0.30	2.00		1	0.3	0.2
AL_DS007348	AL_DS007348	AL_DS007351	Circular	Pipe	93	0.013	-0.50	-1.00	1.50		1	0.3	0.3
AL_DS007351	AL_DS007351	AL_DO000555	Circular	Pipe	21	0.013	-1.00	-1.15	1.75		1	0.3	0.5
AL_DS007352	AL_DS007352	AL_DS007353	Circular	Pipe	68	0.013	-1.50	-1.70	1.25		1	0.3	0.2
AL_DS007353	AL_DS007353	AL_DS001840	Circular	Pipe	14	0.022	-1.70	-1.90	2.00		1	0.3	0.6
AL_DS007356_0	AL_DS007356	AL_DS007357	Circular	Pipe	42	0.013	-3.39	-3.55	2.00		1	0.3	0.2
AL_DS007357	AL_DS007357	AL_DS001842	Circular	Pipe	17	0.013	-3.46	-3.52	2.00		1	0.3	0.2
AL_DS007360	AL_DS007360	AL_DS001839	Circular	Pipe	11	0.013	-3.75	-3.68	2.00		1	0.3	0.2
AL_DS007362	AL_DS007362	AL_DM000570	Circular	Pipe	57	0.013	0.70	0.30	1.25		1	0.3	0.7
AL_DS007363	AL_DS007363	AL_DM000570	Circular	Pipe	219	0.013	-0.70	-1.00	1.50		1	0.3	0.2
AL_DS007364	AL_DS007364	AL_DS007363	Circular	Pipe	69	0.013	0.70	-0.10	1.25		1	0.3	0.7
AL_DS007369	AL_DS007369	AL_AGE999990	Circular	Pipe	40	0.022	-2.68	-4.87	3.00		1	0.3	1.0
AL_DS007374	AL_DS007374	AL_DS001873	Circular	Pipe	74	0.013	-4.58	-4.62	2.00		1	0.3	0.2
AL_DS007378	AL_DM000639	AL_DS007378	Circular	Pipe	332	0.013	-3.58	-3.56	3.00		1	0.3	0.7
AL_DS007411	AL_DS007411	AL_AGE999990	Circular	Pipe	40	0.022	-3.58	-3.58	2.00		1	0.3	1.0
AL_DS007415	AL_DS007415	AL_DS001924	Circular	Pipe	202	0.013	-4.07	-4.28	4.00		1	0.3	0.2
AL_DS007420	AL_DS007420	AL_DS007415	Circular	Pipe	120	0.013	-1.50	-1.87	2.00		1	0.3	0.7
AL_DS007423	AL_DS007423	AL_DS001934	Circular	Pipe	72	0.013	-2.45	-2.58	3.00		1	0.3	0.6
AL_DS007431	AL_DS007431	AL_DS001863	Circular	Pipe	86	0.013	-2.58	-2.58	3.00		1	0.3	0.7
AL_DS007435	AL_DS007435	AL_DO000618	Circular	Pipe	119	0.013	-3.08	-1.58	3.50		1	0.3	0.5
AL_DS008331	AL_DS008331	AL_DS008332	Circular	Pipe	169	0.011	-1.30	-1.60	2.00		1	0.3	0.2
AL_DS008332	AL_DS008332	AL_DS008333	Circular	Pipe	171	0.011	-2.30	-2.19	2.50		1	0.3	0.2
AL_DS008333	AL_DS008333	AL_DS008334	Circular	Pipe	169	0.011	-2.62	-2.50	2.50		1	0.3	0.2
AL_DS008334	AL_DS008334	AL_DS008335	Circular	Pipe	171	0.011	-2.78	-2.63	3.00		1	0.3	0.2
AL_DS008335	AL_DS008335	AL_DS008336	Circular	Pipe	174	0.011	-2.98	-4.05	3.00		1	0.3	0.5
AL_DS008336	AL_DS008336	AL_DS008337	Circular	Pipe	73	0.011	-3.32	-3.37	3.50		1	0.3	0.4
AL_DS008337	AL_DS008337	AL_DM001640	Circular	Pipe	142	0.011	-3.58	-3.82	3.50		1	0.3	0.2
AL_DS008339	AL_DS008339	AL_DS008340	Circular	Pipe	116	0.011	-4.70	-4.19	3.50		1	0.3	0.2
AL_DS008340	AL_DS008340	AL_DS008341	Circular	Pipe	126	0.011	-3.63	-3.98	3.50		1	0.3	0.2
AL_DS008342	AL_DS008342	AL_DS008339	Circular	Pipe	74	0.011	-3.75	-4.00	1.50		1	0.3	0.4
AL_DS008343	AL_DS008343	AL_DS008342	Circular	Pipe	168	0.011	-3.65	-3.75	1.50		1	0.3	0.5
AL_DS008344_01	AL_DS008344	AL_DS008345	Circular	Pipe	81	0.011	-3.84	-4.31	3.50		1	0.3	0.2
AL_DS008344_02	AL_DS008344	AL_DS008343	Circular	Pipe	173	0.011	-3.59	-3.65	1.50		1	0.3	0.2
AL_DS008346	AL_DS008346	AL_DS008344	Circular	Pipe	162	0.011	-3.29	-3.59	3.00		1	0.3	0.2
AL_DS008347	AL_DS008347	AL_DS008346	Circular	Pipe	215	0.011	-1.67	-2.81	3.00		1	0.3	0.5
AL_DS008348_02	AL_DS008348	AL_DS008347	Circular	Pipe	245	0.011	-1.40	-2.22	2.50		1	0.3	0.5
AL_DS008351_02	AL_DS008351	AL_DS008348	Circular	Pipe	60	0.011	-0.74	-0.37	2.00		1	0.3	0.7
AL_DS008352	AL_DS008352	AL_DS008351	Circular	Pipe	62	0.011	-0.50	-0.74	1.50		1	0.3	0.2
AL_DS008353	AL_DS008353	AL_DS008352	Circular	Pipe	62	0.011	0.10	-0.50	1.25		1	0.3	0.2
AL_DS008354_01	AL_DS008354	AL_DS008353	Circular	Pipe	78	0.011	0.70	0.10	1.25		1	0.3	0.5
AL_DS008354_02	AL_DS008354	AL_DS008356	Circular	Pipe	185	0.011	-2.03	-1.65	2.00		1	0.3	0.2
AL_DS008356	AL_DS008356	AL_DS008357	Circular	Pipe	213	0.011	-1.95	-2.23	2.00		1	0.3	0.5
AL_DS008358	AL_DS008358	AL_AGE999990	Circular	Pipe	50	0.022	-1.13	-3.84	3.00		1	0.3	1.0
AL_DS008359	AL_DS008359	AL_DS008351	Circular	Pipe	272	0.011	-0.20	-0.74	1.50		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS008360	AL_DS008360	AL_DS008359	Circular	Pipe	93	0.011	0.60	-0.20	1.50		1	0.3	0.7
AL_DS008362	AL_DS008362	AL_AGE999990	Circular	Pipe	51	0.022	-3.89	-5.92	4.00		1	0.3	1.0
AL_DS008363	AL_DS008363	AL_AGE999990	Circular	Pipe	50	0.022	-2.11	-4.10	4.00		1	0.3	1.0
AL_DS008364	AL_DS008364	AL_DS008365	Circular	Pipe	89	0.011	-0.50	-2.02	1.25		1	0.3	0.5
AL_DS008798	AL_DS008798	AL_DS008799	Circular	Pipe	37	0.013	0.20	-0.03	2.50		1	0.3	0.2
AL_DS008903	AL_DS008903	AL_DS008906	Circular	Pipe	129	0.013	0.50	-0.10	2.00		1	0.3	0.2
AL_DS008904_01	AL_DS006625	AL_DS008904	Circular	Pipe	162	0.013	-1.00	-1.50	2.00		1	0.3	0.2
AL_DS008904_02	AL_DS008904	AL_DS008907	Circular	Pipe	163	0.013	-1.50	-2.00	2.00		1	0.3	0.2
AL_DS008906	AL_DS008906	AL_DS006625	Circular	Pipe	146	0.013	-0.10	-1.00	2.00		1	0.3	0.2
AL_FDG000126	AL_FDG000126	AL_DS006634	Circular	Pipe	49	0.013	-1.20	-1.30	2.00		1	0.3	0.7
AL_FDG000127	AL_FDG000127	AL_FDG000126	Circular	Pipe	71	0.013	-1.00	-1.20	2.00		1	0.3	0.2
AL_FDG000128	AL_FDG000128	AL_FDG000127	Circular	Pipe	13	0.013	-0.80	-1.00	2.00		1	0.3	0.2
AL_FDG000129	AL_FDG000129	AL_DS006642	Circular	Pipe	83	0.013	0.20	0.05	2.00		1	0.3	0.2
AL_FDG000130	AL_FDG000130	AL_DS006624	Circular	Pipe	10	0.013	-0.50	-0.60	2.00		1	0.3	0.2
AL_FDG000131	AL_FDG000131	AL_FDG000130	Circular	Pipe	20	0.013	-0.30	-0.50	2.00		1	0.3	0.2
BC_AGE999975	BC_AGE999975	BC_AGE999976	Circular	Pipe	280	0.013	-4.90	-5.00	6.00		1	0.5	0.5
BC_AGE999976	BC_AGE999976	BC_AGE999792	Circular	Pipe	400	0.013	-5.00	-6.00	6.00		1	0.5	0.8
BC_DM000333	BC_DM000333	BC_DS001679	Circular	Pipe	261	0.013	-1.00	-1.26	4.00		1	0.3	0.2
BC_DM000334	BC_DM000334	BC_DS001757	Circular	Pipe	84	0.013	-1.70	-1.76	4.00		1	0.3	0.4
BC_DM000456	BC_DM000456	LB_DM000173	Circular	Pipe	461	0.013	-0.20	-0.50	3.50		1	0.3	0.2
BC_DM000600	BC_DM000600	BC_DS001917	Circular	Pipe	195	0.013	-0.90	-1.00	4.00		1	0.3	0.2
BC_DM000620	BC_DM000620	BC_DM000976	Circular	Pipe	395	0.013	-0.50	-1.00	2.00		1	0.3	0.2
BC_DM000621	BC_DM000621	BC_NID11190	Circular	Pipe	206	0.013	0.00	-0.30	2.00		1	0.3	0.2
BC_DM000622	BC_DM000622	OH_DS006752	Circular	Pipe	100	0.013	2.00	2.40	2.00		1	0.3	0.2
BC_DM000624	BC_DM000624	BC_DM000629	Circular	Pipe	344	0.013	-0.50	-1.00	3.50		1	0.3	0.2
BC_DM000629	BC_DM000629	BC_NID11015	Circular	Pipe	269	0.013	-1.00	-1.30	3.50		1	0.3	0.2
BC_DM000873	BC_DM000873	BC_DM000876	Circular	Pipe	73	0.013	-8.40	-8.50	7.00		1	0.3	0.7
BC_DM000874	BC_DM000874	BC_DM000933	Circular	Pipe	354	0.013	-8.10	-8.20	7.00		1	0.3	0.7
BC_DM000875	BC_DM000875	BC_PS000011	Circular	Pipe	323	0.013	-8.60	-8.70	7.00		1	0.3	0.7
BC_DM000876	BC_DM000876	BC_DM000875	Circular	Pipe	37	0.013	-8.50	-8.60	7.00		1	0.3	0.2
BC_DM000932	BC_DM000932	BC_DM000873	Circular	Pipe	333	0.013	-8.30	-8.40	7.00		1	0.3	0.7
BC_DM000933	BC_DM000933	BC_DM000932	Circular	Pipe	196	0.013	-8.20	-8.30	7.00		1	0.3	0.7
BC_DM000971	BC_DM000971	BC_DM000972	Circular	Pipe	303	0.024	-2.00	-2.20	2.00		1	0.3	0.2
BC_DM000972	BC_DM000972	BC_DM000973	Circular	Pipe	224	0.013	-2.20	-2.50	2.00		1	0.3	0.2
BC_DM000973	BC_DM000973	BC_CHC98309	Circular	Pipe	153	0.024	-2.50	-3.00	2.00		1	0.3	1.0
BC_DM000974	BC_DM000974	BC_DM000971	Circular	Pipe	401	0.013	-1.50	-2.00	2.00		1	0.3	0.2
BC_DM000976	BC_DM000976	BC_DM000974	Circular	Pipe	303	0.013	-1.00	-1.50	2.00		1	0.3	0.2
BC_DM000979	BC_DM000979	BC_NID11190	Circular	Pipe	43	0.013	0.00	-0.30	2.00		1	0.3	0.7
BC_DM000982	BC_DM000982	BC_DS007452	Circular	Pipe	54	0.013	4.00	3.70	1.50		1	0.3	0.2
BC_DM000983	BC_DM000983	BC_DM000622	Circular	Pipe	169	0.013	1.50	2.00	2.00		1	0.3	0.7
BC_DM001511	BC_DM001511	BC_DM001544	Circular	Pipe	318	0.013	-1.16	-1.62	5.00		1	0.3	0.2
BC_DM001544	BC_DM001544	PKE_FDOT15838	Circular	Pipe	331	0.013	-1.89	-2.09	5.00		1	0.3	0.2
BC_DM001545	BC_DM001545	BC_FDOT15836	Circular	Pipe	42	0.013	-1.88	-2.09	5.00		1	0.3	0.2
BC_DM001546	BC_DM001546	BC_DM001545	Circular	Pipe	76	0.013	-1.88	-1.52	5.00		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DMH001779	BC_DMH001779	SC_DS001996	Circular	Pipe	302	0.013	-2.80	-3.00	5.00		1	0.3	0.2
BC_DMH001911	BC_DMH001911	BC_FDOT15859	Circular	Pipe	299	0.013	2.31	2.31	3.00		1	0.3	0.2
BC_DMH002140	BC_DMH002140	BC_DS010242	Circular	Pipe	403	0.013	1.40	1.20	3.50		1	0.3	0.2
BC_DMH002142	BC_DMH002142	BC_DS010248	Circular	Pipe	151	0.013	1.90	1.80	3.00		1	0.3	0.2
BC_DMH002143	BC_DMH002143	BC_DMH002142	Circular	Pipe	250	0.013	2.00	1.90	3.00		1	0.3	0.2
BC_DMH002144	BC_DMH002144	BC_DMH002143	Circular	Pipe	251	0.013	2.20	2.00	2.50		1	0.3	0.2
BC_DMH002145	BC_DMH002145	BC_DMH002144	Circular	Pipe	281	0.013	2.40	2.20	2.50		1	0.3	0.2
BC_DMH002146	BC_DMH002146	BC_DMH002145	Circular	Pipe	80	0.013	2.50	2.40	1.75		1	0.3	0.7
BC_DO000307	BC_DO000307	BC_DMH000874	Circular	Pipe	70	0.013	-8.00	-8.10	7.00		1	0.3	0.7
BC_DO000554	AL_DS001838	BC_AGE999997	Circular	Pipe	13	0.013	-3.50	-4.00	1.50		1	0.3	1.0
BC_DS000249	BC_DS000249	BC_FDOT15850	Circular	Pipe	11	0.013	0.00	0.00	1.10		1	0.3	0.2
BC_DS000250	BC_DS000250	HC_DMH000118	Circular	Pipe	44	0.013	0.00	-0.39	1.25		1	0.3	0.7
BC_DS001495	BC_DS001495	HC_FDOT15819	Circular	Pipe	58	0.013	2.00	1.61	1.25		2	0.3	0.7
BC_DS001500	BC_DS001500	BC_FDOT15859	Circular	Pipe	52	0.013	2.50	2.21	1.25		3	0.3	0.7
BC_DS001507	BC_DS001507	HC_FDOT15854	Circular	Pipe	63	0.013	2.00	1.81	1.25		2	0.3	0.7
BC_DS001679	BC_DS001679	BC_DMH000334	Circular	Pipe	404	0.013	-1.30	-1.66	4.00		1	0.3	0.2
BC_DS001757	BC_DS001757	BC_NID15881	Circular	Pipe	40	0.013	-1.80	-1.88	4.00		1	0.3	0.6
BC_DS001759	BC_DS001759	BC_NID15881	Circular	Pipe	79	0.013	-1.80	-1.88	2.50		1	0.3	0.7
BC_DS001895	BC_DS001895	BC_DS001919	Circular	Pipe	133	0.013	-1.30	-1.40	4.00		1	0.3	0.6
BC_DS001904	BC_DS001904	BC_DO000823	Circular	Pipe	14	0.013	1.00	2.00	3.00		1	0.3	0.5
BC_DS001905	BC_DS001905	441_DMH000591	Circular	Pipe	302	0.013	-1.00	-1.80	1.50		1	0.3	0.7
BC_DS001907	BC_DS001907	BC_DMH000600	Circular	Pipe	130	0.013	-0.80	-0.90	3.50		1	0.3	0.2
BC_DS001917	BC_DS001917	BC_DS001918	Circular	Pipe	530	0.013	-1.00	-1.20	4.00		1	0.3	0.2
BC_DS001918	BC_DS001918	BC_DS001895	Circular	Pipe	246	0.013	-1.20	-1.30	4.00		1	0.3	0.2
BC_DS001919	BC_DS001919	EH_DMH000588	Circular	Pipe	112	0.013	-1.40	-1.50	4.00		1	0.3	0.6
BC_DS001962	BC_DS001962	BC_NID11004	Circular	Pipe	20	0.012	-1.00	-1.70	1.25		4	0.3	0.7
BC_DS001968	BC_DS001968	SC_DMH001780	Circular	Pipe	317	0.013	-2.20	-2.50	2.50		1	0.3	0.2
BC_DS002653	BC_DS002653	BC_DMH000973	Circular	Pipe	40	0.013	-2.40	-2.50	1.50		1	0.3	0.7
BC_DS003444	BC_DS003444	BC_DMH000972	Circular	Pipe	47	0.013	-2.00	-2.20	1.50		2	0.3	0.7
BC_DS003445	BC_DS003445	BC_DMH000974	Circular	Pipe	40	0.024	-1.00	-1.50	1.50		1	0.3	0.7
BC_DS003961	BC_DS003961	HG_DMH001609	Circular	Pipe	85	0.013	0.00	-0.50	1.25		2	0.3	0.7
BC_DS004107	BC_DS004107	BC_CDCO98245	Circular	Pipe	131	0.013	-5.00	-7.50	7.00		1	0.3	1.0
BC_DS006230	BC_DS006230	LB_DS006231	Circular	Pipe	28	0.024	0.60	0.50	1.00		1	0.3	0.2
BC_DS006745	BC_DS006745	BC_DS006751	Circular	Pipe	61	0.013	2.80	2.70	1.25		1	0.3	0.2
BC_DS006749	BC_DS006749	BC_DS006771	Circular	Pipe	284	0.013	0.50	0.00	3.00		1	0.3	0.2
BC_DS006751_2	BC_DS006751	BC_DMH000622	Circular	Pipe	37	0.013	2.70	2.00	1.50		1	0.3	0.7
BC_DS006755_1	BC_DS006755	BC_DMH000983	Circular	Pipe	242	0.013	1.00	1.50	2.00		1	0.3	0.2
BC_DS006755_2	BC_DS006755	BC_DS006749	Circular	Pipe	288	0.013	1.00	0.50	2.50		1	0.3	0.2
BC_DS006771	BC_DS006771	BC_DMH000624	Circular	Pipe	332	0.013	0.00	-0.50	3.00		1	0.3	0.2
BC_DS007381	BC_DS007381	MR_DS007382	Circular	Pipe	92	0.013	0.60	0.30	1.50		2	0.3	0.7
BC_DS007385	BC_DS007385	MR_DS007386	Circular	Pipe	92	0.013	0.60	0.30	1.50		1	0.3	0.7
BC_DS007388	BC_DS007388	MR_DS007387	Circular	Pipe	94	0.013	0.60	0.30	1.50		1	0.3	0.7
BC_DS007399	BC_DS007399	441_DS007396	Circular	Pipe	118	0.013	-1.00	-2.00	1.25		1	0.3	0.6
BC_DS007424	BC_DS007424	MR_DS007425	Circular	Pipe	109	0.013	0.60	0.30	1.50		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DS007432	BC_DS007432	MR_DS007389	Circular	Pipe	93	0.013	0.60	0.30	1.50		1	0.3	0.7
BC_DS007447	BC_DS007447DS	BC_NID11189	Circular	Pipe	27	0.013	0.50	0.20	2.00		1	0.5	0.2
BC_DS007452	BC_DS007452	BC_DS007447	Circular	Pipe	18	0.013	3.70	3.50	2.50		1	0.3	0.5
BC_DS008246	BC_DS008246	EH_DS008245	Circular	Pipe	90	0.013	-1.00	-1.70	1.50		1	0.3	0.7
BC_DS010242	BC_DS010242	441_DS010240	Circular	Pipe	406	0.013	1.20	1.00	3.50		1	0.3	0.7
BC_DS010243	BC_DS010243	BC_DM002140	Circular	Pipe	91	0.013	2.00	1.40	1.50		1	0.3	0.7
BC_DS010244	BC_DS010244	BC_DM002140	Circular	Pipe	201	0.013	1.50	1.40	3.50		1	0.3	0.2
BC_DS010245	BC_DS010245	BC_DS010244	Circular	Pipe	214	0.013	1.60	1.50	3.50		1	0.3	0.2
BC_DS010246	BC_DS010246	BC_DS010245	Circular	Pipe	113	0.013	1.70	1.60	3.00		1	0.3	0.2
BC_DS010248	BC_DS010248	BC_DS010246	Circular	Pipe	126	0.013	1.80	1.70	3.00		1	0.3	0.2
BC_DS010250	BC_DS010250	BC_DM002143	Circular	Pipe	30	0.013	2.50	2.00	1.50		3	0.3	0.7
BC_FDOT15828	BC_FDOT15828	BC_FDOT15829	Circular	Pipe	297	0.013	-0.59	-0.79	4.50		1	0.3	0.2
BC_FDOT15829	BC_FDOT15829	HC_FDOT15832	Circular	Pipe	291	0.013	-0.79	-0.89	4.50		1	0.3	0.2
BC_FDOT15834	BC_FDOT15834	BC_FDOT15835	Circular	Pipe	350	0.013	-0.99	-1.09	5.00		1	0.3	0.2
BC_FDOT15835	BC_FDOT15835	BC_DM001546	Circular	Pipe	501	0.013	-1.19	-1.20	5.00		1	0.3	0.2
BC_FDOT15836	BC_FDOT15836	BC_DM001511	Circular	Pipe	201	0.013	-2.09	-1.88	5.00		1	0.3	0.2
BC_FDOT15850	BC_FDOT15850	BC_FDOT15828	Circular	Pipe	47	0.013	0.00	-0.59	1.25		5	0.3	0.7
BC_FDOT15857	BC_FDOT15857	BC_DM001911	Circular	Pipe	403	0.013	2.41	2.41	3.00		1	0.3	0.2
BC_FDOT15859	BC_FDOT15859	BC_FDOT15860	Circular	Pipe	309	0.013	2.21	2.21	3.50		1	0.3	0.2
BC_FDOT15860	BC_FDOT15860	BC_FDOT15861	Circular	Pipe	289	0.013	2.11	2.11	3.50		1	0.3	0.2
BC_FDOT15861	BC_FDOT15861	HC_FDOT15855	Circular	Pipe	335	0.013	2.01	2.01	4.00		1	0.3	0.2
BC_FDOT9830	BC_FDOT9830	HC_FDOT15822	Circular	Pipe	57	0.013	1.50	1.31	1.25		4	0.3	0.7
BC_FDOT9833	BC_FDOT9833	HC_FDOT15824	Circular	Pipe	52	0.013	1.50	1.00	1.25		3	0.3	0.7
BC_FDOT9851	BC_FDOT9851	PKE_FDOT15845	Circular	Pipe	30	0.009	-0.50	-1.00	1.25		6	0.3	0.7
BC_FDOT9855	BC_FDOT9855	PKE_FDOT15841	Circular	Pipe	50	0.018	-0.50	-1.00	1.50		6	0.3	0.7
BC_FDOT9859	BC_FDOT9859	BC_FDOT15857	Circular	Pipe	61	0.013	2.50	2.41	1.25		3	0.3	0.7
BC_NID10022_1	BC_NID10022	BC_AGE999632	Circular	Pipe	140	0.013	-4.00	-4.05	5.50		1	0.3	1.0
BC_NID10022_2	BC_NID10022	BC_AGE999631	Circular	Pipe	200	0.013	-3.00	-3.05	3.50		1	0.3	1.0
BC_NID10061	BC_NID10061	BC_NID15967	Circular	Pipe	503	0.013	-2.00	-4.00	5.50		1	0.3	0.5
BC_NID10291_01	BC_NID10291	BC_NID12454	Circular	Pipe	220	0.013	-2.30	-2.50	3.50		1	0.3	0.2
BC_NID10864	BC_NID10864	BC_DM001779	Circular	Pipe	248	0.013	-2.50	-2.80	5.00		1	0.3	0.2
BC_NID10951	BC_NID10951	SC_NID10949	Circular	Pipe	246	0.013	-3.00	-3.20	4.50		1	0.3	0.2
BC_NID10962	BC_NID10962	BC_NID10951	Circular	Pipe	301	0.013	-2.70	-3.00	4.50		1	0.3	0.2
BC_NID10998	BC_NID10998	BC_DS001968	Circular	Pipe	259	0.013	-2.00	-2.20	3.50		1	0.3	0.2
BC_NID11004	BC_NID11004	BC_NID10998	Circular	Pipe	295	0.013	-1.70	-2.00	3.50		1	0.3	0.2
BC_NID11007	BC_NID11007	BC_NID11004	Circular	Pipe	212	0.013	-1.50	-1.70	3.50		1	0.3	0.2
BC_NID11015	BC_NID11015	BC_NID11007	Circular	Pipe	228	0.013	-1.30	-1.50	3.50		1	0.3	0.2
BC_NID11189	BC_NID11189	BC_DM000979	Circular	Pipe	41	0.013	0.20	0.00	2.00		1	0.3	0.2
BC_NID11190	BC_NID11190	BC_DM000620	Circular	Pipe	128	0.013	-0.30	-0.50	2.00		1	0.3	0.2
BC_NID12353	BC_NID12353	PKE_FDOT15814	Circular	Pipe	63	0.013	0.20	0.00	2.50		1	0.3	0.7
BC_NID12354	BC_NID12354	BC_NID12353	Circular	Pipe	51	0.013	0.50	0.20	2.50		1	0.3	0.2
BC_NID12418_01	BC_NID12418	BC_NID12441	Circular	Pipe	216	0.013	-3.50	-3.55	3.50		1	0.3	0.2
BC_NID12418_02	BC_NID12418	BC_NID12417	Circular	Pipe	309	0.013	-3.00	-3.50	3.00		1	0.3	0.2
BC_NID12419	BC_NID12419	BC_NID12420	Circular	Pipe	52	0.013	1.00	0.50	1.50		4	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_NID12420	BC_NID12420	BC_NID12423	Circular	Pipe	246	0.013	-2.65	-2.70	4.50		1	0.3	0.2
BC_NID12422	BC_NID12422	BC_NID12420	Circular	Pipe	11	0.013	0.50	-0.30	1.50		1	0.3	0.7
BC_NID12423	BC_NID12423	BC_NID12427	Circular	Pipe	339	0.013	-2.70	-2.80	4.50		1	0.3	0.2
BC_NID12424	BC_NID12424	BC_NID12425	Circular	Pipe	82	0.013	1.00	0.50	1.50		1	0.3	0.2
BC_NID12425	BC_NID12425	BC_NID12423	Circular	Pipe	12	0.013	0.50	-0.20	1.50		1	0.3	0.7
BC_NID12427	BC_NID12427	BC_NID12431	Circular	Pipe	214	0.013	-2.80	-2.90	4.50		1	0.3	0.2
BC_NID12429	BC_NID12429	BC_NID12431	Circular	Pipe	14	0.013	1.50	0.50	1.50		2	0.3	0.7
BC_NID12431	BC_NID12431	BC_NID12433	Circular	Pipe	255	0.013	-2.90	-3.00	5.00		1	0.3	0.2
BC_NID12432	BC_NID12432	BC_NID12431	Circular	Pipe	90	0.013	2.00	0.50	1.50		1	0.3	0.7
BC_NID12433	BC_NID12433	BC_NID12435	Circular	Pipe	266	0.013	-3.00	-3.10	5.00		1	0.3	0.2
BC_NID12434	BC_NID12434	BC_NID12435	Circular	Pipe	105	0.013	2.00	0.50	1.50		1	0.3	0.7
BC_NID12435	BC_NID12435	BC_NID12437	Circular	Pipe	196	0.013	-3.10	-3.20	5.00		1	0.3	0.4
BC_NID12437	BC_NID12437	BC_NID12438	Circular	Pipe	22	0.013	-3.20	-3.25	5.00		1	0.3	0.4
BC_NID12438	BC_NID12438	BC_NID12439	Circular	Pipe	26	0.013	-3.25	-3.30	5.00		1	0.3	0.2
BC_NID12439	BC_NID12439	BC_NID12440	Circular	Pipe	42	0.013	-3.40	-3.45	5.00		1	0.3	0.3
BC_NID12440_01	BC_NID12440	BC_NID12418	Circular	Pipe	12	0.013	-3.45	-3.50	3.50		1	0.3	0.4
BC_NID12440_02	BC_NID12440	BC_NID12451	Circular	Pipe	130	0.013	-3.45	-3.50	3.00		1	0.3	0.2
BC_NID12441	BC_NID12441	BC_NID12444	Circular	Pipe	260	0.013	-3.55	-3.60	3.00		1	0.3	0.2
BC_NID12442	BC_NID12442	BC_NID12443	Circular	Pipe	65	0.013	-1.30	-1.60	1.50		1	0.3	0.2
BC_NID12443	BC_NID12443	BC_NID12451	Circular	Pipe	226	0.013	-1.60	-2.00	1.50		1	0.3	0.7
BC_NID12444	BC_NID12444	BC_NID12446	Circular	Pipe	271	0.013	-3.60	-3.70	3.00		1	0.3	0.2
BC_NID12445	BC_NID12445	BC_NID12442	Circular	Pipe	308	0.013	0.05	-1.30	1.50		1	0.3	0.2
BC_NID12446	BC_NID12446	BC_NID12449	Circular	Pipe	133	0.013	-3.70	-3.80	3.00		1	0.3	0.5
BC_NID12447	BC_NID12447	BC_NID12448	Circular	Pipe	9	0.013	2.30	2.00	1.50		1	0.3	0.2
BC_NID12448	BC_NID12448	BC_NID12445	Circular	Pipe	227	0.013	0.60	0.05	1.50		1	0.3	0.2
BC_NID12449	BC_NID12449	BC_NID12450	Circular	Pipe	32	0.013	-3.80	-4.00	3.00		1	0.3	0.2
BC_NID12450	BC_NID12450	BC_NID13884	Circular	Pipe	41	0.013	-4.00	-4.10	2.00		1	0.3	1.0
BC_NID12451	BC_NID12451	441_NID12504	Circular	Pipe	54	0.013	-3.70	-3.80	3.00		1	0.3	0.7
BC_NID12453	BC_NID12453	BC_NID12420	Circular	Pipe	276	0.013	-2.60	-2.65	4.00		1	0.3	0.2
BC_NID12454	BC_NID12454	BC_NID12466	Circular	Pipe	420	0.013	-3.00	-3.10	4.00		1	0.3	0.2
BC_NID12455	BC_NID12455	BC_NID12456	Circular	Pipe	13	0.013	-2.50	-2.55	3.50		1	0.3	0.2
BC_NID12456	BC_NID12456	BC_NID12453	Circular	Pipe	12	0.013	-2.55	-2.60	3.50		1	0.3	0.7
BC_NID12458	BC_NID12458	BC_NID12454	Circular	Pipe	124	0.013	2.00	1.00	1.50		1	0.3	0.6
BC_NID12459	BC_NID12459	BC_NID12455	Circular	Pipe	69	0.013	1.00	0.20	1.50		2	0.3	0.2
BC_NID12460	BC_NID12460	BC_NID12461	Circular	Pipe	149	0.013	-1.10	-1.20	3.00		1	0.3	0.2
BC_NID12461	BC_NID12461	BC_NID15973	Circular	Pipe	219	0.013	-1.20	-1.40	3.00		1	0.3	0.2
BC_NID12466	BC_NID12466	BC_NID12468	Circular	Pipe	242	0.013	-3.10	-3.20	4.00		1	0.3	0.2
BC_NID12468	BC_NID12468	BC_NID12470	Circular	Pipe	379	0.013	-3.20	-3.40	4.00		1	0.3	0.2
BC_NID12470	BC_NID12470	BC_NID12471	Circular	Pipe	194	0.013	-3.40	-3.55	4.00		1	0.3	0.2
BC_NID12471	BC_NID12471	BC_NID12472	Circular	Pipe	207	0.013	-3.55	-3.70	4.00		1	0.3	0.3
BC_NID12472	BC_NID12472	BC_NID12473	Circular	Pipe	84	0.013	-3.70	-3.80	4.00		1	0.3	0.6
BC_NID12473	BC_NID12473	BC_NID12474	Circular	Pipe	97	0.013	-4.30	-4.40	4.50		1	0.3	0.2
BC_NID12474	BC_NID12474	441_AGE999925	Circular	Pipe	76	0.013	-4.90	-5.00	5.00		1	0.3	1.0
BC_NID12475	BC_NID12475	BC_NID12473	Circular	Pipe	243	0.013	-2.60	-2.80	3.00		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_NID12479	BC_NID12479	BC_NID12480	Circular	Pipe	195	0.013	-1.90	-1.95	3.50		1	0.3	0.2
BC_NID12480	BC_NID12480	BC_NID12483	Circular	Pipe	101	0.013	-2.00	-2.25	3.50		1	0.3	0.2
BC_NID12481	BC_NID12481	BC_NID12482	Circular	Pipe	299	0.013	-0.10	-0.20	2.50		1	0.3	0.2
BC_NID12482	BC_NID12482	BC_NID12502	Circular	Pipe	285	0.013	-0.70	-0.90	3.00		1	0.3	0.2
BC_NID12483_01	BC_NID12483	BC_NID12485	Circular	Pipe	38	0.013	-2.00	-2.10	1.50		1	0.3	0.7
BC_NID12483_02	BC_NID12483	BC_NID12487	Circular	Pipe	397	0.013	-2.25	-2.30	3.50		1	0.3	0.2
BC_NID12485	BC_NID12485	BC_NID12475	Circular	Pipe	155	0.013	-2.40	-2.60	3.00		1	0.3	0.2
BC_NID12486	BC_NID12486	BC_NID12483	Circular	Pipe	57	0.013	2.00	0.50	1.50		1	0.3	0.7
BC_NID12487	BC_NID12487	BC_NID12491	Circular	Pipe	291	0.013	-2.30	-2.35	3.50		1	0.3	0.2
BC_NID12488	BC_NID12488	BC_NID12489	Circular	Pipe	74	0.013	-1.40	-1.60	2.50		1	0.3	0.7
BC_NID12489	BC_NID12489	BC_NID12490	Circular	Pipe	35	0.013	-1.60	-1.70	2.50		1	0.3	0.7
BC_NID12490	BC_NID12490	BC_NID12485	Circular	Pipe	325	0.013	-2.20	-2.40	3.00		1	0.3	0.3
BC_NID12491	BC_NID12491	BC_NID12494	Circular	Pipe	401	0.013	-2.35	-2.40	3.50		1	0.3	0.2
BC_NID12492	BC_NID12492	BC_NID12488	Circular	Pipe	292	0.013	-1.10	-1.40	2.50		1	0.3	0.2
BC_NID12494	BC_NID12494	BC_NID12497	Circular	Pipe	404	0.013	-2.40	-2.45	3.50		1	0.3	0.2
BC_NID12495	BC_NID12495	BC_NID12496	Circular	Pipe	206	0.013	0.05	-0.40	2.00		1	0.3	0.2
BC_NID12496	BC_NID12496	BC_NID12492	Circular	Pipe	210	0.013	-0.40	-0.60	2.00		1	0.3	0.2
BC_NID12497_01	BC_NID12497	BC_NID12455	Circular	Pipe	288	0.013	-2.45	-2.50	3.50		1	0.3	0.6
BC_NID12497_02	BC_NID12497	BC_NID12498	Circular	Pipe	21	0.013	2.00	0.80	1.50		1	0.3	0.7
BC_NID12498	BC_NID12498	BC_NID12495	Circular	Pipe	384	0.013	0.30	0.05	2.00		1	0.3	0.2
BC_NID12502	BC_NID12502	BC_NID12460	Circular	Pipe	287	0.013	-0.90	-1.10	3.00		1	0.3	0.2
BC_NID12505	BC_NID12505	BC_NID12506	Circular	Pipe	138	0.013	-4.40	-4.50	4.00		1	0.3	0.3
BC_NID12506	BC_NID12506	BC_NID12509	Circular	Pipe	200	0.013	-4.50	-4.55	4.00		1	0.3	0.7
BC_NID12508	BC_NID12508	BC_NID12506	Circular	Pipe	25	0.013	0.05	-1.00	1.25		1	0.3	0.6
BC_NID12509	BC_NID12509	BC_NID12512	Circular	Pipe	35	0.013	-4.55	-4.60	4.00		1	0.3	0.7
BC_NID12510	BC_NID12510	BC_NID12511	Circular	Pipe	29	0.013	0.05	-0.50	1.50		1	0.3	0.7
BC_NID12511	BC_NID12511	BC_NID12509	Circular	Pipe	110	0.013	-0.50	-1.00	1.00		1	0.3	0.2
BC_NID12512	BC_NID12512	BC_NID12530	Circular	Pipe	55	0.013	-4.60	-4.65	4.00		1	0.3	0.2
BC_NID12513	BC_NID12513	BC_NID12514	Circular	Pipe	197	0.013	-4.80	-4.90	4.00		1	0.3	0.2
BC_NID12514	BC_NID12514	BC_NID12517	Circular	Pipe	80	0.013	-4.90	-5.00	4.00		1	0.3	0.7
BC_NID12515	BC_NID12515	BC_NID12514	Circular	Pipe	20	0.013	-0.50	-1.00	1.25		2	0.3	0.7
BC_NID12518	BC_NID12518	BC_C1198250	Circular	Pipe	140	0.013	-5.00	-7.00	4.00		1	0.3	1.0
BC_NID12525	BC_NID12525	BC_NID12526	Circular	Pipe	60	0.013	0.05	-1.00	1.25		1	0.3	0.2
BC_NID12526	BC_NID12526	BC_NID12527	Circular	Pipe	194	0.013	-4.20	-4.30	4.00		1	0.3	0.3
BC_NID12527	BC_NID12527	BC_NID12505	Circular	Pipe	118	0.013	-4.30	-4.40	4.00		1	0.3	0.2
BC_NID12528	BC_NID12528	BC_NID12527	Circular	Pipe	45	0.013	0.05	-1.00	1.25		1	0.3	0.8
BC_NID12530	BC_NID12530	BC_NID12531	Circular	Pipe	87	0.013	-4.65	-4.70	4.00		1	0.3	0.2
BC_NID12531	BC_NID12531	BC_NID12513	Circular	Pipe	356	0.013	-4.70	-4.80	4.00		1	0.3	0.7
BC_NID15881	BC_NID15881	BC_NID15882	Circular	Pipe	500	0.013	-1.88	-3.00	4.50		1	0.3	0.2
BC_NID15882	BC_NID15882	BC_DO000307	Circular	Pipe	1,331	0.013	-3.00	-6.00	4.50		1	0.3	1.0
BC_NID15967	BC_NID15967	BC_AGE999927	Circular	Pipe	161	0.013	-4.00	-6.00	5.50		1	0.3	1.0
BC_NID15973_01	BC_NID15973	BC_NID15974	Circular	Pipe	212	0.013	-1.90	-2.10	3.50		1	0.3	0.2
BC_NID15974	BC_NID15974	BC_NID10291	Circular	Pipe	350	0.013	-2.10	-2.30	3.50		1	0.3	0.2
EH_DMH000006	EH_DMH000006	EH_CC10998419	Circular	Pipe	34	0.024	-6.50	-7.00	5.00		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DMH000009	EH_DMH000009	EH_DMH000643	Circular	Pipe	42	0.024	0.10	0.00	1.50		1	0.3	0.2
EH_DMH000010	EH_DMH000010	EH_DS006091	Circular	Pipe	57	0.024	-0.50	-1.08	1.75		1	0.3	0.6
EH_DMH000013	EH_DMH000013	EH_DMH000154	Circular	Pipe	287	0.013	-4.00	-5.00	2.50		1	0.3	0.5
EH_DMH000015	EH_DMH000015	EH_DS005449	Circular	Pipe	137	0.024	-0.08	-0.83	2.00		1	0.3	0.2
EH_DMH000016	EH_DMH000016	EH_DMH000631	Circular	Pipe	162	0.024	-3.29	-3.44	5.00		1	0.3	0.6
EH_DMH000017	EH_DMH000017	EH_DS004857	Circular	Pipe	86	0.013	-4.58	-5.08	5.00		1	0.3	0.2
EH_DMH000018	EH_DMH000018	EH_DMH000017	Circular	Pipe	528	0.013	-4.08	-4.58	5.00		1	0.3	0.7
EH_DMH000019	EH_DMH000019	HH_DMH000045	Circular	Pipe	276	0.013	-3.00	-3.30	3.00		1	0.3	0.2
EH_DMH000022	EH_DMH000022	EH_DMH000027	Circular	Pipe	309	0.013	-1.50	-2.00	3.00		1	0.3	0.2
EH_DMH000026	EH_DMH000026	HH_DMH000031	Circular	Pipe	342	0.013	-3.00	-3.20	4.50		1	0.3	0.2
EH_DMH000027	EH_DMH000027	EH_DMH000028	Circular	Pipe	291	0.013	-2.00	-2.50	3.00		1	0.3	0.2
EH_DMH000028	EH_DMH000028	EH_DMH000019	Circular	Pipe	347	0.013	-2.50	-3.00	3.00		1	0.3	0.2
EH_DMH000036	EH_DMH000036	EH_DS008806	Circular	Pipe	64	0.013	-4.60	-4.70	5.00		1	0.3	0.2
EH_DMH000037	EH_DMH000037	EH_NID15966	Circular	Pipe	90	0.013	-0.50	-1.00	2.00		1	0.3	0.2
EH_DMH000047	EH_DMH000047	EH_DMH000013	Circular	Pipe	139	0.013	-3.50	-4.00	2.00		1	0.3	0.2
EH_DMH000119	EH_DMH000119	EH_DS004884	Circular	Pipe	66	0.013	0.90	0.80	1.00		1	0.3	0.7
EH_DMH000120	EH_DS004875	EH_DMH000119	Circular	Pipe	37	0.013	1.00	0.90	1.00		1	0.3	0.7
EH_DMH000136	EH_DMH000136	EH_DMH000137	Circular	Pipe	306	0.013	-4.00	-4.60	3.50		1	0.3	0.4
EH_DMH000137	EH_DMH000137	EH_DS008806	Circular	Pipe	85	0.013	-4.60	-4.70	3.50		1	0.3	0.2
EH_DMH000139	EH_DMH000139	EH_DMH000136	Circular	Pipe	298	0.013	-3.50	-4.00	3.50		1	0.3	0.2
EH_DMH000148	EH_DMH000148	EH_DMH000026	Circular	Pipe	307	0.013	-2.80	-3.00	4.50		1	0.3	0.2
EH_DMH000149	EH_DMH000149	EH_DMH000157	Circular	Pipe	337	0.013	-3.70	-4.00	5.00		1	0.3	0.2
EH_DMH000150	EH_DMH000150	EH_DMH000149	Circular	Pipe	193	0.013	-3.50	-3.70	5.00		1	0.3	0.2
EH_DMH000151	EH_DMH000151	EH_DMH000150	Circular	Pipe	164	0.013	-3.40	-3.50	5.00		1	0.3	0.2
EH_DMH000152	EH_DMH000152	EH_DMH000153	Circular	Pipe	169	0.013	-1.50	-2.00	2.00		1	0.3	0.2
EH_DMH000153	EH_DMH000153	HH_DMH000046	Circular	Pipe	118	0.013	-2.00	-2.50	2.00		1	0.3	0.2
EH_DMH000154	EH_DMH000154	EH_DS007063	Circular	Pipe	55	0.013	-5.00	-9.08	3.00		1	0.3	0.5
EH_DMH000155	EH_DMH000155	EH_DS003602	Circular	Pipe	138	0.024	-2.74	-2.84	5.00		1	0.3	0.6
EH_DMH000156	EH_DMH000156	EH_DMH000036	Circular	Pipe	268	0.013	-4.30	-4.60	5.00		1	0.3	0.2
EH_DMH000157	EH_DMH000157	EH_DMH000156	Circular	Pipe	351	0.013	-4.00	-4.30	5.00		1	0.3	0.2
EH_DMH000338	EH_DMH000338	EH_DS005412	Circular	Pipe	611	0.013	-2.00	-3.00	1.50		1	0.3	0.2
EH_DMH000588	EH_DMH000588	EH_DS008245	Circular	Pipe	269	0.013	-1.50	-1.70	4.00		1	0.3	0.2
EH_DMH000592	EH_DMH000592	EH_DS004051	Circular	Pipe	128	0.024	-0.40	-0.78	1.50		1	0.3	0.7
EH_DMH000597	EH_DMH000597	EH_DS004059	Circular	Pipe	133	0.013	-1.06	-1.01	3.50		1	0.3	0.7
EH_DMH000598	EH_DMH000598	EH_DMH000607	Circular	Pipe	389	0.024	-2.88	-2.98	3.50		1	0.3	0.2
EH_DMH000607	EH_DMH000607	EH_CC10998417	Circular	Pipe	528	0.024	-2.98	-4.50	3.50		1	0.3	1.0
EH_DMH000630	EH_DMH000630	EH_DS004142	Circular	Pipe	237	0.013	-1.43	-1.80	3.00		1	0.3	0.6
EH_DMH000631	EH_DMH000631	EH_CC10998440	Circular	Pipe	123	0.024	-3.44	-6.00	5.00		1	0.3	1.0
EH_DMH000641	EH_DMH000641	EH_DS005437	Circular	Pipe	319	0.013	-2.50	-2.90	2.00		1	0.3	0.2
EH_DMH000643	EH_DMH000643	EH_DS002679	Circular	Pipe	163	0.024	0.00	-0.81	1.50		1	0.3	0.2
EH_DMH000970	EH_DMH000970	EH_DS007405	Circular	Pipe	11	0.024	-0.64	-0.65	2.00		1	0.3	1.0
EH_DMH001472	EH_DMH001472	EH_DS002759	Circular	Pipe	99	0.024	-0.38	-0.08	2.00		1	0.3	0.2
EH_DO000018	EH_DS003592	EH_DO000018	Circular	Pipe	182	0.013	-1.00	-2.00	1.25		1	0.3	1.0
EH_DO000130	EH_DO000130	EH_DO000036	Circular	Pipe	81	0.013	-5.00	-5.00	5.00		2	0.5	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DO000610	EH_DS004075	EH_DS007405	Circular	Pipe	170	0.013	0.00	-0.50	1.25		1	0.3	1.0
EH_DO000702	EH_CS22GateDS	EH_CC10998429	Circular	Pipe	97	0.024	-3.60	-3.70	5.50		3	0.5	0.5
EH_DO000708	EH_DS003534	EH_CC10998440	Circular	Pipe	175	0.013	-2.00	-2.50	1.25		1	0.3	1.0
EH_DS000035_1	EH_DS000035	EH_DS004890	Circular	Pipe	253	0.024	2.50	2.00	1.17		1	0.3	0.7
EH_DS000035_2	EH_DS000035	EH_DS000036	Circular	Pipe	111	0.024	2.50	2.30	1.17		1	0.3	0.7
EH_DS000036	EH_DS000036	EH_DS000037	Circular	Pipe	105	0.024	2.30	2.10	1.17		1	0.3	0.2
EH_DS000037	EH_DS000037	EH_DS000078	Circular	Pipe	37	0.013	2.10	2.00	1.25		1	0.3	0.5
EH_DS001083	EH_DS001083	EH_DS001087	Circular	Pipe	71	0.024	0.60	0.50	1.25		1	0.3	0.6
EH_DS001084	EH_DS001084	EH_DS001083	Circular	Pipe	162	0.024	0.70	0.60	1.25		1	0.3	0.5
EH_DS001085	EH_DS001085	EH_DS001086	Circular	Pipe	38	0.024	0.20	0.10	1.00		1	0.5	0.2
EH_DS001086	EH_DS001086	EH_DS001088	Circular	Pipe	34	0.024	0.10	0.00	1.50		1	0.3	0.2
EH_DS001087	EH_DS001087	EH_DS001088	Circular	Pipe	235	0.024	0.50	0.00	1.50		1	0.3	0.7
EH_DS001088	EH_DS001088	EH_DMH000970	Circular	Pipe	119	0.024	-0.03	-0.17	2.00		1	0.3	0.2
EH_DS001187	EH_DS001187	EH_CC10998440	Circular	Pipe	72	0.013	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS002429	EH_DS002429	EH_DS002430	Circular	Pipe	168	0.024	-1.00	-1.20	4.00		1	0.3	0.2
EH_DS002430	EH_DS002430	EH_DS002431	Circular	Pipe	147	0.024	-1.20	-1.40	4.00		1	0.3	0.2
EH_DS002431	EH_DS002431	EH_DS006213	Circular	Pipe	151	0.024	-1.40	-1.60	4.00		1	0.3	0.2
EH_DS002432	EH_DS002432	EH_DS009300	Circular	Pipe	296	0.024	1.42	0.30	2.00		1	0.3	0.2
EH_DS002659	EH_DS002659	EH_DMH000009	Circular	Pipe	118	0.024	0.50	0.10	1.25		1	0.3	0.7
EH_DS002661	EH_DS002661	EH_DS007465	Circular	Pipe	126	0.024	-4.42	-5.00	3.50		1	0.3	1.0
EH_DS002662	EH_DS002662	EH_DS002661	Circular	Pipe	128	0.024	-0.42	-0.59	2.00		1	0.3	0.7
EH_DS002663	EH_DS002663	EH_DS006077	Circular	Pipe	99	0.024	3.00	2.50	1.25		1	0.3	0.5
EH_DS002667	EH_DS002667	EH_DS006928	Circular	Pipe	136	0.024	-0.50	-1.00	1.25		1	0.3	0.2
EH_DS002669	EH_DS002669	EH_DS003532	Circular	Pipe	51	0.013	-4.08	-4.18	4.50		1	0.3	0.2
EH_DS002671	EH_DS002671	EH_DMH000009	Circular	Pipe	126	0.024	0.50	0.10	1.25		1	0.3	0.2
EH_DS002674	EH_DS002674	EH_DS002681	Circular	Pipe	85	0.024	0.20	0.02	1.50		1	0.3	0.4
EH_DS002675	EH_DS002675	EH_DS002674	Circular	Pipe	92	0.024	0.50	0.20	1.25		1	0.3	0.4
EH_DS002676	EH_DS002676	EH_DS002678	Circular	Pipe	188	0.024	0.00	-0.72	1.25		1	0.3	0.2
EH_DS002677	EH_DS002677	EH_DS006931	Circular	Pipe	191	0.024	1.95	-2.00	3.00		1	0.3	0.7
EH_DS002678	EH_DS002678	EH_DS002677	Circular	Pipe	185	0.024	-0.72	-1.08	2.50		1	0.3	0.6
EH_DS002679	EH_DS002679	EH_DS002680	Circular	Pipe	248	0.024	-0.81	-2.76	2.00		1	0.3	0.2
EH_DS002680	EH_DS002680	EH_DS002661	Circular	Pipe	110	0.024	-3.65	-3.76	3.00		1	0.3	0.2
EH_DS002681	EH_DS002681	EH_DS002678	Circular	Pipe	141	0.024	0.02	-0.22	2.00		1	0.3	0.5
EH_DS002682	EH_DS002682	EH_DS002681	Circular	Pipe	135	0.024	0.50	0.02	1.25		1	0.3	0.7
EH_DS002684	EH_DS002684	EH_NID10566	Circular	Pipe	161	0.013	0.00	-1.00	1.25		1	0.3	0.5
EH_DS002685	EH_DS002685	EH_DS006083	Circular	Pipe	29	0.024	0.10	0.00	1.25		1	0.3	0.2
EH_DS002686	EH_DS002686	EH_DMH000016	Circular	Pipe	67	0.024	-3.24	-3.29	5.00		1	0.3	0.7
EH_DS002689	EH_DS002689	EH_DO000036	Circular	Pipe	75	0.020	-1.00	-2.00	1.00		10	0.3	1.0
EH_DS002693	EH_DS002693	EH_DO000036	Circular	Pipe	103	0.024	-2.37	-4.00	3.50		1	0.3	1.0
EH_DS002696	EH_DS002696	EH_DS002693	Circular	Pipe	158	0.024	-1.73	-2.37	3.00		1	0.3	0.2
EH_DS002697	EH_DS002697	EH_DS002696	Circular	Pipe	53	0.024	-1.52	-1.73	3.00		1	0.3	0.2
EH_DS002698	EH_DS002698	EH_DS002697	Circular	Pipe	20	0.024	-1.00	-1.50	1.00		1	0.3	0.7
EH_DS002704	EH_DS002704	EH_DS002705	Circular	Pipe	70	0.024	-1.00	-2.00	1.50		1	0.3	0.7
EH_DS002705	EH_DS002705	EH_CC10998433	Circular	Pipe	92	0.024	-2.00	-3.00	2.00		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS002706	EH_DS002706	EH_DS002704	Circular	Pipe	318	0.024	0.00	-1.00	1.50		1	0.3	0.2
EH_DS002707	EH_DS002707	EH_DS003599	Circular	Pipe	191	0.024	-1.00	-2.00	1.75		1	0.3	0.2
EH_DS002708	EH_DS002708	EH_DS002746	Circular	Pipe	180	0.013	0.00	0.00	3.00		1	0.3	0.2
EH_DS002746	EH_DS002746	EH_DS002747	Circular	Pipe	117	0.013	0.00	0.00	3.00		1	0.3	0.7
EH_DS002747	EH_DS002747	EH_DS006190	Circular	Pipe	25	0.013	0.00	0.00	5.00		1	0.3	0.2
EH_DS002759	EH_DS002759	EH_DS007886	Circular	Pipe	107	0.024	1.42	1.14	2.00		1	0.3	0.2
EH_DS002768	EH_DS002768	EH_DS002770	Circular	Pipe	213	0.013	0.00	0.00	2.00		1	0.3	0.6
EH_DS002770	EH_DS002770	EH_DS002773	Circular	Pipe	135	0.013	0.00	0.00	2.00		1	0.3	0.6
EH_DS002773	EH_DS002773	EH_DS002774	Circular	Pipe	166	0.013	0.00	0.00	2.50		1	0.3	0.2
EH_DS002774	EH_DS002774	EH_DS002775	Circular	Pipe	172	0.013	0.00	0.00	2.50		1	0.3	0.6
EH_DS002775	EH_DS002775	EH_DS002708	Circular	Pipe	140	0.013	0.00	0.00	2.50		1	0.3	0.4
EH_DS002777	EH_DS002777	EH_DS002747	Circular	Pipe	112	0.013	0.00	0.00	5.00		1	0.3	0.2
EH_DS002785	EH_DS002785	EH_DS002671	Circular	Pipe	184	0.024	1.00	0.50	1.25		1	0.3	0.2
EH_DS002787	EH_DS002787	EH_DS002788	Circular	Pipe	140	0.024	1.00	0.77	1.50		1	0.3	0.4
EH_DS002788	EH_DS002788	EH_DS003504	Circular	Pipe	77	0.024	0.77	0.65	2.00		1	0.3	0.4
EH_DS003405	EH_DS003405	EH_DM000592	Circular	Pipe	151	0.024	0.00	-0.40	1.50		1	0.3	0.4
EH_DS003489	EH_DS003489	EH_CC10998435	Circular	Pipe	126	0.013	-2.00	-2.50	1.25		1	0.3	1.0
EH_DS003499	EH_DS003499	TP_DS003500	Circular	Pipe	53	0.024	2.00	1.50	1.25		1	0.3	0.7
EH_DS003502	EH_DS003502	EH_DS002680	Circular	Pipe	107	0.024	-0.46	-0.78	2.25		1	0.3	0.6
EH_DS003503	EH_DS003503	EH_DS003502	Circular	Pipe	76	0.024	-0.12	-0.26	2.00		1	0.3	0.6
EH_DS003504	EH_DS003504	EH_DS003503	Circular	Pipe	68	0.024	0.13	-0.12	2.00		1	0.3	0.4
EH_DS003506	EH_DS003506	EH_DS003590	Circular	Pipe	275	0.013	-4.48	-4.68	4.50		1	0.3	0.2
EH_DS003509	EH_DS003509	EH_DO000013	Circular	Pipe	186	0.013	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS003510	EH_DS003510	EH_CC10998422	Circular	Pipe	179	0.013	-2.00	-2.50	1.25		1	0.3	1.0
EH_DS003512	EH_DS003512	EH_DS003520	Circular	Pipe	98	0.013	-3.10	-3.20	4.00		1	0.3	0.2
EH_DS003515	EH_DS003515	EH_DS002669	Circular	Pipe	497	0.013	-3.78	-4.08	4.50		1	0.3	0.2
EH_DS003518	EH_DS003518	EH_DS004147	Circular	Pipe	45	0.013	-0.43	-0.50	1.25		1	0.3	0.2
EH_DS003520	EH_DS003520	EH_DS003515	Circular	Pipe	42	0.013	-3.20	-3.28	4.00		1	0.3	0.7
EH_DS003525	EH_DS003525	EH_DS003506	Circular	Pipe	53	0.013	-4.38	-4.48	4.50		1	0.3	0.2
EH_DS003531	EH_DS003531	EH_CC10998429	Circular	Pipe	127	0.013	-2.00	-3.00	2.00		1	0.3	1.0
EH_DS003532	EH_DS003532	EH_DS003525	Circular	Pipe	190	0.013	-4.18	-4.38	4.50		1	0.3	0.2
EH_DS003535	EH_DS003535	EH_DS003536	Circular	Pipe	224	0.013	0.00	-0.90	1.25		1	0.3	0.7
EH_DS003536	EH_DS003536	EH_DS003542	Circular	Pipe	230	0.013	-0.90	-1.28	3.00		1	0.3	0.5
EH_DS003537	EH_DS003537	EH_DS003536	Circular	Pipe	73	0.013	0.00	-0.90	1.25		1	0.3	0.7
EH_DS003539	EH_DS003539	EH_DM000630	Circular	Pipe	185	0.013	-1.33	-1.43	3.00		1	0.3	0.5
EH_DS003542	EH_DS003542	EH_DS003539	Circular	Pipe	86	0.013	-1.28	-1.33	3.00		1	0.3	0.5
EH_DS003543	EH_DS003543	EH_DS003548	Circular	Pipe	129	0.024	-1.00	-1.28	1.25		1	0.3	0.2
EH_DS003546	EH_DS003546	EH_DS003548	Circular	Pipe	231	0.024	0.02	-0.28	2.00		1	0.3	0.6
EH_DS003548	EH_DS003548	EH_CC10998437	Circular	Pipe	208	0.024	-1.28	-4.00	3.00		1	0.3	1.0
EH_DS003552	EH_DS003552	EH_DS002697	Circular	Pipe	115	0.024	-0.22	-0.67	2.50		1	0.3	0.2
EH_DS003554	EH_DS003554	EH_DS003552	Circular	Pipe	91	0.024	-0.12	-0.22	2.50		1	0.3	0.2
EH_DS003566	EH_DS003566	EH_CC10998430	Circular	Pipe	84	0.024	-1.99	-3.00	2.00		1	0.3	1.0
EH_DS003590	EH_DS003590	EH_CC10998437	Circular	Pipe	196	0.013	-4.68	-5.50	4.50		1	0.3	1.0
EH_DS003593	EH_DS003593	EH_DS003603	Circular	Pipe	340	0.024	0.42	0.22	2.00		1	0.3	0.6

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS003598	EH_DS003598	EH_DO000036	Circular	Pipe	38	0.024	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS003599	EH_DS003599	EH_DO000036	Circular	Pipe	43	0.024	-2.00	-2.50	1.75		1	0.3	1.0
EH_DS003600	EH_DS003600	EH_DO000798	Circular	Pipe	150	0.013	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS003601	EH_DS003601	EH_DS003543	Circular	Pipe	412	0.024	0.00	-1.00	1.25		1	0.3	0.2
EH_DS003602	EH_DS003602	EH_DS003544	Circular	Pipe	438	0.024	-2.84	-3.14	5.00		1	0.3	0.5
EH_DS003603	EH_DS003603	EH_DMH000155	Circular	Pipe	128	0.024	0.22	0.12	2.00		1	0.3	0.4
EH_DS003604	EH_DS003604	EH_DS003546	Circular	Pipe	372	0.013	0.50	0.00	1.75		1	0.3	0.2
EH_DS003608	EH_DS003608	EH_DS003546	Circular	Pipe	275	0.024	0.50	0.00	1.25		1	0.3	0.4
EH_DS003659	EH_DS003659	EH_DO000130	Circular	Pipe	161	0.013	-4.90	-4.93	5.00		1	0.3	1.0
EH_DS003660	EH_DS003660	EH_DS003659	Circular	Pipe	122	0.013	-4.80	-4.90	5.00		1	0.3	0.2
EH_DS003661	EH_DS003661	EH_DS004956	Circular	Pipe	63	0.013	-1.00	-1.20	1.25		1	0.3	0.6
EH_DS003662	EH_DS003662	EH_DS003661	Circular	Pipe	125	0.013	-0.90	-1.00	2.00		1	0.3	1.9
EH_DS003666	EH_DS003666	TP_DS004157	Circular	Pipe	44	0.024	0.50	0.16	1.25		1	0.3	0.7
EH_DS004028	EH_DS004028	EH_DS004039	Circular	Pipe	61	0.013	0.40	0.30	2.50		1	0.3	0.2
EH_DS004029	EH_DS004029	EH_DS004028	Circular	Pipe	256	0.013	0.70	0.40	2.50		1	0.3	0.2
EH_DS004031	EH_DS004031	EH_DS004097	Circular	Pipe	107	0.013	-1.08	-1.18	3.50		1	0.3	0.2
EH_DS004034	EH_DS004034	EH_DS004029	Circular	Pipe	62	0.013	0.86	0.70	2.50		1	0.3	0.2
EH_DS004036	EH_DS004036	EH_DS004031	Circular	Pipe	194	0.013	-0.83	-1.08	3.00		1	0.3	0.2
EH_DS004039	EH_DS004039	EH_DS004049	Circular	Pipe	274	0.013	0.30	-0.08	3.00		1	0.3	0.2
EH_DS004041	EH_DS004041	EH_DS004061	Circular	Pipe	174	0.013	-0.38	-0.41	3.00		1	0.3	0.2
EH_DS004042	EH_DS004042	EH_DS004061	Circular	Pipe	43	0.013	0.00	-0.91	1.50		1	0.3	0.7
EH_DS004045	EH_DS004045	AF_DMH000596	Circular	Pipe	113	0.013	0.00	-0.30	1.50		1	0.3	0.6
EH_DS004048	EH_DS004048	EH_DS004058	Circular	Pipe	249	0.024	-1.48	-2.08	2.50		1	0.3	0.2
EH_DS004049	EH_DS004049	EH_DS004074	Circular	Pipe	78	0.013	-0.08	-0.20	3.00		1	0.3	0.2
EH_DS004051	EH_DS004051	EH_DS004056	Circular	Pipe	247	0.024	-0.78	-0.88	2.00		1	0.3	0.7
EH_DS004052_1	EH_DS004052	EH_DS004066	Circular	Pipe	394	0.013	1.60	1.30	1.50		1	0.3	0.2
EH_DS004052_2	EH_DS004052	EH_DS009277	Circular	Pipe	29	0.013	1.60	1.50	2.00		1	0.3	0.2
EH_DS004055	EH_DS004055	EH_DS004036	Circular	Pipe	84	0.013	0.27	-0.83	2.00		1	0.3	0.2
EH_DS004056	EH_DS004056	EH_DS004048	Circular	Pipe	45	0.024	-1.48	-1.33	2.50		1	0.3	0.2
EH_DS004058	EH_DS004058	EH_DS004132	Circular	Pipe	179	0.024	-2.08	-2.18	3.00		1	0.3	0.7
EH_DS004059	EH_DS004059	EH_DS004134	Circular	Pipe	44	0.013	-1.16	-1.01	3.50		1	0.3	0.2
EH_DS004061	EH_DS004061	EH_DS004062	Circular	Pipe	223	0.013	-0.91	-1.00	3.50		1	0.3	0.2
EH_DS004062	EH_DS004062	EH_DMH000597	Circular	Pipe	131	0.013	-1.00	-1.06	3.50		1	0.3	0.2
EH_DS004065	EH_DS004065	LE_DS003989	Circular	Pipe	123	0.013	0.90	0.81	2.00		1	0.3	0.7
EH_DS004066	EH_DS004066	EH_DS008717	Circular	Pipe	92	0.013	1.30	1.20	1.50		1	0.3	0.2
EH_DS004074	EH_DS004074	EH_DS004041	Circular	Pipe	334	0.013	-0.20	-0.38	3.00		1	0.3	0.2
EH_DS004076	EH_DS004076	EH_DS004103	Circular	Pipe	59	0.013	-2.88	-2.98	4.00		1	0.3	0.6
EH_DS004080	EH_DS004080	EH_DS004096	Circular	Pipe	112	0.013	-1.93	-1.98	3.50		1	0.3	0.2
EH_DS004083	EH_DS004083	EH_DO000611	Circular	Pipe	180	0.013	2.50	2.20	1.25		1	0.3	0.5
EH_DS004088	EH_DS004088	EH_DS004089	Circular	Pipe	229	0.013	0.50	0.00	1.25		1	0.3	0.2
EH_DS004089	EH_DS004089	EH_DS004090	Circular	Pipe	81	0.013	0.00	-0.23	1.25		1	0.3	0.7
EH_DS004090	EH_DS004090	EH_DS004101	Circular	Pipe	356	0.013	-0.23	-0.38	2.50		1	0.3	0.2
EH_DS004092	EH_DS004092	EH_DS004090	Circular	Pipe	41	0.013	-0.18	-0.23	2.50		1	0.3	0.2
EH_DS004093	EH_DS004093	EH_DS004076	Circular	Pipe	368	0.013	-2.18	-2.38	3.50		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS004095	EH_DS004095	EH_DS004092	Circular	Pipe	246	0.013	0.42	0.32	2.00		1	0.3	0.2
EH_DS004096	EH_DS004096	EH_DS004093	Circular	Pipe	232	0.013	-1.98	-2.18	3.50		1	0.3	0.2
EH_DS004097	EH_DS004097	EH_DS004080	Circular	Pipe	199	0.013	-1.68	-1.93	3.50		1	0.3	0.2
EH_DS004099	EH_DS004099	EH_CC10998415	Circular	Pipe	141	0.013	0.00	0.00	1.50		1	0.3	1.0
EH_DS004101	EH_DS004101	EH_DS003518	Circular	Pipe	56	0.013	-0.38	-0.43	2.50		1	0.3	0.7
EH_DS004103	EH_DS004103	EH_DS004148	Circular	Pipe	55	0.013	-2.98	-3.00	4.00		1	0.3	0.7
EH_DS004132	EH_DS004132	EH_DS004133	Circular	Pipe	153	0.024	-2.18	-2.18	3.00		1	0.3	0.7
EH_DS004133	EH_DS004133	EH_DMH000598	Circular	Pipe	401	0.024	-1.98	-2.88	3.50		1	0.3	0.2
EH_DS004142	EH_DS004142	EH_DS004143	Circular	Pipe	77	0.013	-1.80	-2.00	3.00		1	0.3	0.2
EH_DS004143	EH_DS004143	EH_CC10998430	Circular	Pipe	250	0.013	-2.00	-4.00	3.00		1	0.3	1.0
EH_DS004147	EH_DS004147	EH_DS003536	Circular	Pipe	302	0.013	-0.50	-0.90	3.00		1	0.3	0.2
EH_DS004148	EH_DS004148	EH_DS003512	Circular	Pipe	192	0.013	-3.00	-3.10	4.00		1	0.3	0.2
EH_DS004155	EH_DS004155	TP_DS004156	Circular	Pipe	109	0.024	0.42	-0.42	2.00		1	0.3	0.4
EH_DS004829	EH_DS004829	EH_DS006936	Circular	Pipe	288	0.024	-1.33	-2.33	2.00		1	0.3	0.2
EH_DS004834	EH_DS004834	EH_DO000019	Circular	Pipe	101	0.013	1.40	1.00	1.50		1	0.3	0.5
EH_DS004836	EH_DS004836	EH_DMH000018	Circular	Pipe	444	0.013	-4.90	-4.08	5.00		1	0.3	0.7
EH_DS004837	EH_DS004837	EH_DS004836	Circular	Pipe	41	0.013	-5.00	-4.90	5.00		1	0.3	0.7
EH_DS004842	EH_DS008113	EH_DS004842	Circular	Pipe	222	0.024	-0.50	-1.00	1.50		1	0.3	0.2
EH_DS004846	EH_DS004846	EH_DS004837	Circular	Pipe	218	0.013	-1.50	-2.00	2.00		1	0.3	0.7
EH_DS004847	EH_DS004847	EH_FDG000001	Circular	Pipe	209	0.013	-2.00	-2.50	2.00		1	0.3	0.7
EH_DS004850	EH_DS004850	EH_DS002685	Circular	Pipe	73	0.024	0.50	0.10	1.25		1	0.3	0.7
EH_DS004855	EH_DS004855	EH_DS004834	Circular	Pipe	39	0.013	1.50	1.40	1.50		1	0.3	0.2
EH_DS004857	EH_DS004857	EH_DS004858	Circular	Pipe	28	0.013	-8.38	-8.58	5.00		1	0.3	0.2
EH_DS004858	EH_DS004858	EH_DS006943	Circular	Pipe	158	0.013	-8.58	-9.08	5.00		1	0.3	0.2
EH_DS004867	EH_DS004867	EH_DS004868	Circular	Pipe	25	0.024	2.70	2.60	1.17		1	0.3	0.7
EH_DS004868	EH_DS004868	EH_DS004869	Circular	Pipe	32	0.024	2.60	2.50	1.17		1	0.3	0.2
EH_DS004869	EH_DS004869	EH_DS004870	Circular	Pipe	174	0.024	2.50	2.20	1.17		1	0.3	0.2
EH_DS004870	EH_DS004870	EH_DS004890	Circular	Pipe	21	0.013	2.20	2.10	1.17		1	0.3	0.4
EH_DS004871	EH_DS004871	EH_DS004870	Circular	Pipe	16	0.024	2.30	2.20	1.17		1	0.3	0.7
EH_DS004873	EH_DS004873	EH_DS004882	Circular	Pipe	258	0.013	0.10	0.00	2.00		1	0.3	0.7
EH_DS004877	EH_DS004877	EH_FDG000003	Circular	Pipe	210	0.013	-3.00	-3.50	2.50		1	0.3	0.7
EH_DS004881	EH_DS004880	EH_DS004881	Circular	Pipe	201	0.013	0.50	0.10	1.00		1	0.3	0.2
EH_DS004882_1	EH_DS004881	EH_DS004882	Circular	Pipe	51	0.013	0.10	0.00	1.00		1	0.3	0.7
EH_DS004882_2	EH_DS004883	EH_DS004882	Circular	Pipe	198	0.013	0.50	0.00	1.00		1	0.3	0.7
EH_DS004883	EH_DS004884	EH_DS004883	Circular	Pipe	424	0.013	0.80	0.50	1.00		1	0.3	0.2
EH_DS004885	EH_DS004885	EH_FDG000004	Circular	Pipe	214	0.013	-3.10	-4.00	2.00		1	0.3	0.7
EH_DS004886	EH_DS004886	EH_DMH000026	Circular	Pipe	44	0.013	0.50	0.00	1.25		2	0.3	0.6
EH_DS004887	EH_DS004887	EH_DMH000037	Circular	Pipe	45	0.021	0.00	-0.50	1.50		4	0.3	0.6
EH_DS004890	EH_DS004890	EH_DS000079	Circular	Pipe	14	0.013	2.10	2.00	1.25		1	0.3	0.5
EH_DS004956	EH_DS004956	EH_DMH000139	Circular	Pipe	42	0.013	-1.20	-1.50	1.25		1	0.3	0.7
EH_DS004957	EH_DS004957	EH_DS003662	Circular	Pipe	46	0.013	-0.80	-0.90	1.25		1	0.3	0.7
EH_DS004960	EH_DS004960	EH_DMH000151	Circular	Pipe	38	0.013	0.50	0.00	1.25		1	0.3	0.7
EH_DS004963	EH_DS004963	EH_DMH000013	Circular	Pipe	40	0.010	-3.50	-4.00	1.25		2	0.3	0.6
EH_DS004964	EH_DS004964	EH_FDG000026	Circular	Pipe	194	0.013	-4.00	-5.00	2.00		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS004967	EH_DS004967	EH_DMH000157	Circular	Pipe	50	0.013	0.50	0.00	1.25		1	0.3	0.7
EH_DS005160	EH_DS005160	EH_DS005161	Circular	Pipe	45	0.024	0.00	-0.33	1.50		1	0.3	0.6
EH_DS005161	EH_DS005161	EH_NID15964	Circular	Pipe	366	0.013	-0.33	-0.08	3.50		1	0.3	0.2
EH_DS005162	EH_DS005162	EH_DS005161	Circular	Pipe	320	0.013	-4.58	-8.38	3.50		1	0.3	0.2
EH_DS005305	EH_DS005305	EH_DS006651	Circular	Pipe	248	0.024	0.10	0.00	1.25		1	0.3	0.2
EH_DS005308	EH_DS005308	EH_DS007405	Circular	Pipe	147	0.013	0.00	-0.50	1.25		1	0.3	1.0
EH_DS005313	EH_DS005313	SC_DS001903	Circular	Pipe	94	0.017	-1.00	-1.40	1.50		2	0.3	0.7
EH_DS005315	EH_DS005315	SC_DS001887	Circular	Pipe	89	0.013	0.00	-0.50	1.50		1	0.3	0.7
EH_DS005327	EH_DS005327	LE_DS003990	Circular	Pipe	89	0.010	1.00	0.50	1.25		3	0.3	0.7
EH_DS005332	EH_DS005332	SC_NID10823	Circular	Pipe	84	0.010	-1.00	-2.20	1.25		4	0.3	0.7
EH_DS005335	EH_DS005335	LE_DS001912	Circular	Pipe	93	0.016	0.00	-0.50	1.50		3	0.3	0.7
EH_DS005336	EH_DS005336	BC_DS001907	Circular	Pipe	90	0.013	-0.50	-0.80	1.50		1	0.3	0.7
EH_DS005337	EH_DS005337	BC_DMH000600	Circular	Pipe	144	0.013	-0.80	-0.90	4.00		1	0.3	0.6
EH_DS005338	EH_DS005338	BC_DS001917	Circular	Pipe	90	0.013	-0.50	-1.00	1.50		1	0.3	0.7
EH_DS005339	EH_DS005339	BC_DS001918	Circular	Pipe	89	0.013	0.00	0.00	1.50		2	0.3	0.2
EH_DS005349	EH_DS005349	EH_DS005368	Circular	Pipe	181	0.024	2.20	2.10	1.50		1	0.3	0.2
EH_DS005352	EH_DS005352	EH_DS005383	Circular	Pipe	120	0.024	1.50	1.40	1.50		1	0.3	0.2
EH_DS005355	EH_DS005355	LEH_DS005348	Circular	Pipe	48	0.024	1.20	1.10	1.50		1	0.3	0.7
EH_DS005362	EH_DS005362	EH_DS005355	Circular	Pipe	121	0.024	1.30	1.20	1.50		1	0.3	0.2
EH_DS005364	EH_DS005364	EH_DS005401	Circular	Pipe	275	0.024	0.90	0.80	1.50		1	0.3	0.2
EH_DS005368	EH_DS005368	EH_DS005382	Circular	Pipe	79	0.024	2.10	2.00	1.50		1	0.3	0.2
EH_DS005372	EH_DS005372	EH_DS005349	Circular	Pipe	129	0.024	2.30	2.20	1.50		1	0.3	0.2
EH_DS005374	EH_DS005374	LEH_DS005361	Circular	Pipe	35	0.024	1.90	1.80	1.50		1	0.3	0.7
EH_DS005382	EH_DS005382	LEH_DS005381	Circular	Pipe	36	0.024	2.00	1.90	1.50		1	0.3	0.7
EH_DS005383	EH_DS005383	EH_DS005362	Circular	Pipe	139	0.024	1.40	1.30	1.50		1	0.3	0.2
EH_DS005389	EH_DS005389	EH_DS005372	Circular	Pipe	48	0.024	2.40	2.30	1.25		1	0.3	0.2
EH_DS005397	EH_DS005397	EH_NID10946	Circular	Pipe	198	0.024	0.70	0.60	1.50		1	0.3	0.2
EH_DS005401	EH_DS005401	EH_DS005397	Circular	Pipe	166	0.024	0.80	0.70	1.50		1	0.3	0.2
EH_DS005404	EH_DS005404	EH_CC10998415	Circular	Pipe	167	0.024	0.42	0.42	2.00		1	0.3	1.0
EH_DS005405	EH_DS005405	EH_FDG000135	Circular	Pipe	21	0.024	0.60	0.50	1.00		1	0.3	0.7
EH_DS005408	EH_DS005408	EH_CC10998419	Circular	Pipe	125	0.013	-3.00	-3.50	2.50		1	0.3	1.0
EH_DS005412	EH_DS005412	EH_DS004885	Circular	Pipe	44	0.013	-3.00	-3.10	2.00		1	0.3	0.2
EH_DS005431	EH_DS005431	EH_DS004847	Circular	Pipe	48	0.013	-1.90	-2.00	2.00		1	0.3	0.2
EH_DS005434	EH_DS005434	EH_DS004846	Circular	Pipe	37	0.013	-1.40	-1.50	2.00		1	0.3	0.2
EH_DS005437	EH_DS005437	EH_DS004877	Circular	Pipe	45	0.013	-2.90	-3.00	2.50		1	0.3	0.2
EH_DS005438	EH_DS005438	EH_DMH000641	Circular	Pipe	297	0.013	-2.00	-2.50	2.00		1	0.3	0.2
EH_DS005440	EH_DS005440	EH_DS006930	Circular	Pipe	220	0.024	-1.08	-2.58	2.00		1	0.3	0.7
EH_DS005449	EH_DS005449	EH_DS006942	Circular	Pipe	77	0.024	-0.83	-1.33	2.00		1	0.3	0.2
EH_DS005465	EH_DS005465	EH_DS004957	Circular	Pipe	212	0.013	0.00	-0.80	1.25		1	0.3	0.2
EH_DS006076	EH_DS006076	EH_DS006936	Circular	Pipe	139	0.024	0.00	-2.33	1.50		1	0.3	0.2
EH_DS006078	EH_DS006078	EH_DS006089	Circular	Pipe	259	0.024	0.50	0.00	2.00		1	0.3	0.2
EH_DS006083	EH_DS006083	EH_DMH000010	Circular	Pipe	136	0.024	0.00	-0.50	1.50		1	0.3	0.2
EH_DS006089	EH_DS006089	EH_DMH000015	Circular	Pipe	95	0.024	0.00	-0.08	2.00		1	0.3	0.2
EH_DS006090	EH_DS006090	EH_DS006943	Circular	Pipe	96	0.024	-5.00	-6.50	1.50		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS006091	EH_DS006091	EH_DS006937	Circular	Pipe	102	0.024	-1.08	-2.33	2.50		1	0.3	0.6
EH_DS006095	EH_DS006095	EH_DMH000018	Circular	Pipe	108	0.024	-0.83	-1.33	2.00		1	0.3	0.7
EH_DS006102	EH_DS006102	EH_DMH000022	Circular	Pipe	45	0.013	-1.00	-1.50	1.25		3	0.3	0.6
EH_DS006108	EH_DS006108	EH_DMH000028	Circular	Pipe	44	0.013	-2.00	-2.50	1.25		1	0.3	0.6
EH_DS006190	EH_DS006190	EH_DO000130	Circular	Pipe	255	0.013	0.00	0.00	5.00		1	0.3	1.0
EH_DS006203	EH_DS006203	PL_DS004279	Circular	Pipe	90	0.013	1.00	0.50	1.25		1	0.3	0.7
EH_DS006213	EH_DS006213	EH_DS006214	Circular	Pipe	145	0.024	-1.60	-1.80	4.50		1	0.3	0.7
EH_DS006214	EH_DS006214	EH_DS006215	Circular	Pipe	178	0.024	-1.80	-2.00	4.50		1	0.3	0.7
EH_DS006215	EH_DS006215	EH_DMH000155	Circular	Pipe	29	0.024	-2.00	-2.24	4.50		1	0.3	0.6
EH_DS006216	EH_DS006216	EH_DS006215	Circular	Pipe	160	0.024	-1.50	-2.00	2.00		1	0.3	0.7
EH_DS006217	EH_DS006217	EH_DS006216	Circular	Pipe	144	0.024	-1.00	-1.50	2.00		1	0.3	0.2
EH_DS006218	EH_DS006218	EH_DS006217	Circular	Pipe	163	0.024	-0.50	-1.00	2.00		1	0.3	0.2
EH_DS006650	EH_DS006650	EH_DS004034	Circular	Pipe	96	0.013	1.40	0.86	2.00		1	0.3	0.2
EH_DS006655	EH_DS006655	EH_DS005305	Circular	Pipe	250	0.024	0.20	0.10	1.00		1	0.3	0.7
EH_DS006656	EH_DS006656	EH_DO000698	Circular	Pipe	187	0.013	2.50	2.00	1.25		1	0.3	0.5
EH_DS006687	EH_DS006687	EH_DS005305	Circular	Pipe	279	0.024	0.20	0.10	1.25		1	0.3	0.2
EH_DS006927	EH_DS006927	EH_DMH000006	Circular	Pipe	348	0.024	-6.00	-6.50	5.00		1	0.5	0.2
EH_DS006928	EH_DS006928	EH_DS006927	Circular	Pipe	96	0.024	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS006929	EH_DS006929	EH_DS006927	Circular	Pipe	129	0.024	-2.00	-3.00	1.75		1	0.3	1.0
EH_DS006930	EH_DS006930	EH_DS006927	Circular	Pipe	54	0.024	-2.58	-3.00	2.00		1	0.3	1.0
EH_DS006931	EH_DS006931	EH_DS007465	Circular	Pipe	56	0.024	-1.62	-3.00	3.00		1	0.3	1.0
EH_DS006932	EH_DS006932	EH_DS006927	Circular	Pipe	100	0.024	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS006933	EH_DS006933	EH_DS006927	Circular	Pipe	96	0.024	-1.00	-2.00	1.25		1	0.3	1.0
EH_DS006935_1	EH_DO000798	EH_DS006935	Circular	Pipe	85	0.024	-3.50	-3.60	3.00		1	0.5	0.4
EH_DS006935_2	EH_DS006935	EH_DO000013	Circular	Pipe	327	0.024	-3.60	-4.00	3.00		1	0.3	1.0
EH_DS006936	EH_DS006936	EH_DS006927	Circular	Pipe	105	0.024	-2.33	-3.00	2.00		1	0.3	1.0
EH_DS006937	EH_DS006937	EH_DS006927	Circular	Pipe	106	0.024	-2.33	-3.50	2.50		1	0.3	1.0
EH_DS006942	EH_DS006942	EH_DS006927	Circular	Pipe	199	0.024	-1.33	-2.50	2.00		1	0.3	1.0
EH_DS006943	EH_DS006943	EH_DS006927	Circular	Pipe	74	0.013	-9.08	-9.08	5.00		1	0.3	1.0
EH_DS007063	EH_DS007063	EH_FDG000026	Circular	Pipe	231	0.013	-9.00	-8.00	5.00		1	0.3	0.2
EH_DS007405	EH_DS007405	EH_DS004059	Circular	Pipe	313	0.013	-1.00	-1.16	2.00		1	0.5	0.2
EH_DS007465	EH_DS007465	EH_CC10998417	Circular	Pipe	83	0.024	-2.50	-3.00	2.50		1	0.5	1.0
EH_DS007884_1	EH_DS007883	EH_DS007884	Circular	Pipe	115	0.024	2.64	1.42	2.00		1	0.3	0.5
EH_DS007884_2	EH_DS007884	EH_DMH001472	Circular	Pipe	72	0.024	1.42	-0.28	2.00		1	0.3	0.2
EH_DS007886	EH_DS007886	EH_DS002432	Circular	Pipe	204	0.024	1.14	1.42	2.00		1	0.3	0.2
EH_DS008245	EH_DS008245	441_DMH000591	Circular	Pipe	121	0.013	-1.70	-1.80	4.00		1	0.3	0.2
EH_DS008322	EH_DS008322	EH_DS003537	Circular	Pipe	36	0.013	0.50	0.00	1.50		1	0.3	0.7
EH_DS008717	EH_DS008717	EH_DS004065	Circular	Pipe	319	0.013	1.20	0.90	1.50		1	0.3	0.2
EH_DS008720	EH_DS008720	HH_DMH000045	Circular	Pipe	46	0.013	-3.00	-3.30	1.25		1	0.3	0.7
EH_DS008806	EH_DS008806	EH_DS003660	Circular	Pipe	104	0.013	-4.70	-4.80	5.00		1	0.3	0.2
EH_DS009254	EH_DS009254	EH_DS005465	Circular	Pipe	62	0.013	0.20	0.00	1.25		1	0.3	0.2
EH_DS009277	EH_DS009277	EH_DS006650	Circular	Pipe	104	0.013	1.50	1.40	2.00		1	0.3	0.2
EH_DS009300	EH_DS009300	EH_DS006218	Circular	Pipe	271	0.024	0.30	-0.50	2.00		1	0.3	0.2
EH_FDG000001	EH_FDG000001	EH_DS004837	Circular	Pipe	257	0.013	-5.50	-5.00	5.00		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_FDG000003	EH_FDG000003	EH_FDG000001	Circular	Pipe	263	0.013	-6.00	-5.50	5.00		1	0.3	0.2
EH_FDG000004	EH_FDG000004	EH_FDG000003	Circular	Pipe	258	0.013	-7.00	-6.00	5.00		1	0.3	0.2
EH_FDG000026	EH_FDG000026	EH_FDG000004	Circular	Pipe	241	0.013	-8.00	-7.00	5.00		1	0.3	0.2
EH_FDG000135	EH_FDG000135	EH_DS005404	Circular	Pipe	18	0.024	0.50	0.42	1.50		1	0.3	0.2
EH_NID10566	EH_NID10566	EH_DS003489	Circular	Pipe	116	0.013	-1.00	-2.00	1.25		1	0.3	0.5
EH_NID10847	EH_DS006077	EH_DS002677	Circular	Pipe	56	0.024	2.50	1.95	1.25		1	0.3	0.2
EH_NID10942	EH_NID10942	EH_DS002785	Circular	Pipe	207	0.024	1.50	1.00	1.25		1	0.3	0.2
EH_NID10946	EH_NID10946	EH_FDG000135	Circular	Pipe	195	0.024	0.60	0.50	1.50		1	0.3	0.2
EH_NID15964	EH_NID15964	HH_DS004969	Circular	Pipe	268	0.013	-8.50	-9.00	3.50		1	0.3	0.4
EH_NID15966	EH_NID15966	EH_DMH000152	Circular	Pipe	89	0.013	-1.00	-1.50	2.00		1	0.3	0.2
HC_DMH000115	HC_DMH000115	HC_FDOT15819	Circular	Pipe	41	0.013	2.00	1.61	1.25		1	0.3	0.7
HC_DMH000118	HC_DMH000118	HC_FDOT15827	Circular	Pipe	327	0.013	-0.39	-0.39	2.00		1	0.3	0.2
HC_DS000220	HC_DS000220	HC_DS000221	Circular	Pipe	104	0.024	0.10	0.00	1.25		1	0.5	0.5
HC_DS000248	HC_DS000248	HC_NID15852	Circular	Pipe	41	0.013	0.00	-0.19	1.25		1	0.3	0.7
HC_DS000570	HC_DS000570	HC_DS001200	Circular	Pipe	48	0.024	0.10	0.00	1.75		1	0.3	0.2
HC_DS001201	HC_DS001201	HC_DS001200	Circular	Pipe	47	0.024	0.10	0.00	1.50		1	0.3	0.2
HC_DS001203_1	HC_DS001203	HC_DS001204	Circular	Pipe	47	0.024	0.10	0.00	1.25		1	0.3	0.2
HC_DS001503_2	HC_DS001503	BC_FDOT15828	Circular	Pipe	47	0.013	0.00	-0.59	1.25		5	0.3	0.7
HC_DS004510	HC_DS004512	PKE_DS000903	Circular	Pipe	150	0.013	0.10	0.00	1.50		3	0.3	0.5
HC_DS004521	HC_DS004521	HC_DS004512	Circular	Pipe	600	0.013	0.50	0.10	1.50		1	0.3	1.0
HC_DS007026	HC_DS007026	HC_FDOT15854	Circular	Pipe	53	0.013	2.00	1.81	1.25		2	0.3	0.7
HC_DS008252	HC_DS008252	BC_DMH001544	Circular	Pipe	50	0.013	0.50	0.00	1.50		3	0.3	0.7
HC_FDOT15818	HC_FDOT15818	HC_FDOT15819	Circular	Pipe	289	0.013	1.71	1.71	4.00		1	0.3	0.2
HC_FDOT15819	HC_FDOT15819	HC_FDOT15820	Circular	Pipe	331	0.013	1.61	1.61	4.00		1	0.3	0.2
HC_FDOT15820	HC_FDOT15820	HC_FDOT15821	Circular	Pipe	180	0.013	1.51	1.51	4.00		1	0.3	0.2
HC_FDOT15821	HC_FDOT15821	HC_FDOT15822	Circular	Pipe	186	0.013	1.41	1.41	4.00		1	0.3	0.2
HC_FDOT15822	HC_FDOT15822	HC_FDOT15847	Circular	Pipe	286	0.013	1.31	1.31	4.00		1	0.3	0.2
HC_FDOT15823	HC_FDOT15823	HC_FDOT15824	Circular	Pipe	354	0.013	1.11	1.11	4.00		1	0.3	0.2
HC_FDOT15824	HC_FDOT15824	HC_NID15852	Circular	Pipe	347	0.013	1.01	-0.19	4.50		1	0.3	0.2
HC_FDOT15825	HC_FDOT15825	HC_DMH000118	Circular	Pipe	327	0.013	-0.29	-0.39	4.50		1	0.3	0.2
HC_FDOT15826	HC_FDOT15826	HC_FDOT15825	Circular	Pipe	31	0.013	-0.29	-0.29	4.50		1	0.3	0.2
HC_FDOT15827	HC_FDOT15827	BC_FDOT15828	Circular	Pipe	304	0.013	-0.49	-0.59	4.50		1	0.3	0.2
HC_FDOT15832	HC_FDOT15832	BC_FDOT15834	Circular	Pipe	282	0.013	-0.89	-0.99	5.00		1	0.3	0.2
HC_FDOT15837	HC_FDOT15837	BC_FDOT15836	Circular	Pipe	53	0.013	-1.50	-2.00	2.00		1	0.3	0.7
HC_FDOT15847	HC_FDOT15847	HC_FDOT15823	Circular	Pipe	316	0.013	1.21	1.21	4.00		1	0.3	0.2
HC_FDOT15854	HC_FDOT15854	HC_FDOT15818	Circular	Pipe	342	0.013	1.81	1.81	4.00		1	0.3	0.2
HC_FDOT15855	HC_FDOT15855	HC_FDOT15854	Circular	Pipe	235	0.013	1.91	1.91	4.00		1	0.3	0.2
HC_FDOT9836	HC_FDOT9836	HC_DMH000118	Circular	Pipe	44	0.013	0.00	-0.39	1.25		1	0.3	0.7
HC_NID15852	HC_NID15852	HC_FDOT15826	Circular	Pipe	294	0.013	-0.19	-0.29	4.50		1	0.3	0.2
HC_NID9858	HC_NID9858	HC_FDOT15823	Circular	Pipe	42	0.013	0.00	0.00	1.25		1	0.3	0.7
HC_NID9881	HC_NID9881	HC_FDOT15822	Circular	Pipe	43	0.013	1.50	1.31	1.25		2	0.3	0.7
HC_NSN15851	HC_NSN15851	HC_FDOT15837	Circular	Pipe	55	0.013	-1.00	-1.50	2.00		1	0.3	0.2
HG_DMH000279	HG_DMH000279	HG_DO000758	Circular	Pipe	94	0.013	0.10	0.00	2.50		1	0.3	1.0
HG_DMH000304	HG_DMH000304	HG_NID11055	Circular	Pipe	172	0.013	0.50	0.30	2.50		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DMH000318	HG_DMH000318	HG_DO000323	Circular	Pipe	80	0.013	2.70	2.50	3.00		1	0.3	0.5
HG_DMH000319	HG_DMH000319	HG_DS001638	Circular	Pipe	239	0.013	3.60	3.50	1.50		1	0.3	0.2
HG_DMH000321	HG_DMH000321	HG_DMH001609	Circular	Pipe	216	0.013	0.04	-0.45	2.50		1	0.3	0.2
HG_DMH000328	HG_DMH000328	HG_DMH000318	Circular	Pipe	289	0.013	3.00	2.70	2.50		1	0.3	0.2
HG_DMH000329	HG_DMH000329	HG_DS001764	Circular	Pipe	363	0.024	-0.50	-1.00	1.50		1	0.3	0.2
HG_DMH000486	HG_DMH000486	HG_DS000869	Circular	Pipe	96	0.013	2.00	1.60	3.00		1	0.3	0.2
HG_DMH001493	HG_DMH001493	HG_NID11062	Circular	Pipe	125	0.013	0.80	0.60	2.50		1	0.3	0.2
HG_DMH001494	HG_DMH001494	HG_DMH001493	Circular	Pipe	165	0.013	1.00	0.80	2.00		1	0.3	0.2
HG_DMH001496	HG_DMH001496	HG_DMH001494	Circular	Pipe	129	0.013	1.20	1.00	2.00		1	0.3	0.2
HG_DMH001497	HG_DMH001497	HG_DMH001498	Circular	Pipe	173	0.024	2.11	1.47	2.00		1	0.3	0.6
HG_DMH001498	HG_DMH001498	HG_DS003205	Circular	Pipe	35	0.013	1.47	1.40	1.25		1	0.3	0.7
HG_DMH001499	HG_DMH001499	HG_DMH001497	Circular	Pipe	203	0.024	3.06	2.11	2.00		1	0.3	0.2
HG_DMH001500	HG_DMH001500	HG_DMH001499	Circular	Pipe	151	0.024	3.42	3.06	2.00		1	0.3	0.2
HG_DMH001501	HG_DMH001501	HG_DMH001500	Circular	Pipe	153	0.024	3.77	3.42	2.00		1	0.3	0.2
HG_DMH001502	HG_DMH001502	HG_DMH001501	Circular	Pipe	195	0.024	4.17	3.77	2.00		1	0.3	0.2
HG_DMH001503	HG_DMH001503	HG_DMH001502	Circular	Pipe	25	0.024	3.02	3.02	2.00		1	0.3	0.2
HG_DMH001607w	HG_DMH001607w	HG_DMH001608w	Circular	Pipe	25	0.024	-2.00	-2.20	1.50		1	0.3	0.2
HG_DMH001608w	HG_DMH001608w	HG_DS003881	Circular	Pipe	32	0.013	-2.20	-2.40	1.50		1	0.3	0.5
HG_DMH001609	HG_DMH001609	HG_DS003881	Circular	Pipe	440	0.013	-0.45	-2.42	2.50		1	0.3	0.2
HG_DO000461	HG_DS003057	HG_DO000461	Circular	Pipe	263	0.013	6.00	1.50	2.00		1	0.3	0.5
HG_DS000705	HG_DS000705	HG_DS000706	Circular	Pipe	288	0.013	-1.80	-1.90	2.00		1	0.3	0.2
HG_DS000706	HG_DS000706	HG_DS000707	Circular	Pipe	49	0.013	-1.90	-2.00	2.00		1	0.3	0.7
HG_DS000707	HG_DS000707	HG_DS003234	Circular	Pipe	164	0.013	-2.00	-2.40	2.00		1	0.3	0.2
HG_DS000869	HG_DS000869	HG_DS003956	Circular	Pipe	26	0.013	1.70	1.60	3.00		1	0.3	0.7
HG_DS001558	HG_DS001558	HG_DS001618	Circular	Pipe	245	0.013	4.00	3.80	2.00		1	0.3	0.2
HG_DS001573	HG_DS001573	HG_DO000323	Circular	Pipe	114	0.013	2.70	2.50	2.50		1	0.3	0.5
HG_DS001574	HG_DS001574	HG_DS001573	Circular	Pipe	98	0.013	3.00	2.70	2.50		1	0.3	0.2
HG_DS001575	HG_DS001575	HG_DS001574	Circular	Pipe	30	0.013	3.10	3.00	2.50		1	0.3	0.2
HG_DS001584	HG_DS001584	HG_DS004528	Circular	Pipe	182	0.013	0.70	0.50	1.00		1	0.3	0.2
HG_DS001585	HG_DS001585	HG_DS001697	Circular	Pipe	50	0.013	0.10	0.00	1.50		1	0.3	0.2
HG_DS001594	HG_DS001594	HG_DO000318	Circular	Pipe	120	0.013	3.00	2.50	2.00		3	0.3	0.5
HG_DS001618	HG_DS001618	HG_DS001656	Circular	Pipe	274	0.013	3.80	3.50	2.00		1	0.3	0.2
HG_DS001638	HG_DS001638	HG_DS001669	Circular	Pipe	314	0.013	3.50	3.40	2.00		1	0.3	0.2
HG_DS001656	HG_DS001656	HG_DS001575	Circular	Pipe	262	0.013	3.50	3.10	2.50		1	0.3	0.7
HG_DS001666	HG_DS001666	HG_DMH000328	Circular	Pipe	139	0.013	3.20	3.00	2.00		1	0.3	0.2
HG_DS001669	HG_DS001669	HG_DS001666	Circular	Pipe	172	0.013	3.40	3.20	2.00		1	0.3	0.2
HG_DS001674	HG_DS001674	HG_NID11103	Circular	Pipe	37	0.013	-1.00	-1.50	1.25		1	0.3	0.7
HG_DS001678	HG_DS001678	BC_DS001679	Circular	Pipe	60	0.013	-1.00	-1.30	1.25		1	0.3	0.7
HG_DS001682	HG_DS001682	BC_DMH000334	Circular	Pipe	57	0.013	-1.50	-1.70	1.25		1	0.3	0.7
HG_DS001683	HG_DS001683	HG_DMH000319	Circular	Pipe	44	0.013	3.70	3.60	1.25		1	0.3	0.7
HG_DS001697	HG_DS001697	HG_DMH000329	Circular	Pipe	655	0.024	0.00	-0.50	1.50		1	0.3	0.2
HG_DS001753	HG_DS001753	HG_DMH000329	Circular	Pipe	521	0.024	0.00	-0.50	1.00		1	0.3	0.7
HG_DS001756	HG_DS001756	HG_DMH001607w	Circular	Pipe	29	0.024	-1.80	-2.00	1.50		1	0.3	0.5
HG_DS001762	HG_DS001762	BC_DS001759	Circular	Pipe	63	0.013	-1.66	-1.80	2.50		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS001764	HG_DS001764	HG_NID11103	Circular	Pipe	314	0.013	-1.00	-1.50	1.50		1	0.3	0.2
HG_DS002456	HG_DS004590	HG_DS002456	Circular	Pipe	57	0.013	2.70	2.60	2.00		1	0.3	0.6
HG_DS002460	HG_DS002460	HG_DMH000319	Circular	Pipe	27	0.013	3.70	3.60	1.25		1	0.3	0.2
HG_DS003057	HG_DO000278	HG_DS003057	Circular	Pipe	18	0.013	6.50	6.00	2.00		1	0.3	0.2
HG_DS003086	HG_DS003086	HG_DMH001496	Circular	Pipe	21	0.013	1.30	1.20	1.50		1	0.3	0.2
HG_DS003205	HG_DS003205	HG_DS003086	Circular	Pipe	69	0.013	1.40	1.30	1.25		1	0.3	0.2
HG_DS003225	HG_DS003225	HG_DS003258	Circular	Pipe	99	0.013	-0.90	-1.00	2.00		1	0.3	0.7
HG_DS003226	HG_DS003226	HG_DS003227	Circular	Pipe	48	0.013	-1.20	-1.30	2.00		1	0.3	0.5
HG_DS003227	HG_DS003227	HG_DS003228	Circular	Pipe	50	0.013	-1.30	-1.40	2.00		1	0.3	0.7
HG_DS003228	HG_DS003228	HG_DS003230	Circular	Pipe	170	0.013	-1.40	-1.90	2.00		1	0.3	0.2
HG_DS003230	HG_DS003230	HG_DS003231	Circular	Pipe	175	0.013	-1.50	-1.90	2.00		1	0.3	0.7
HG_DS003231	HG_DS003231	HG_DS003232	Circular	Pipe	140	0.013	-1.90	-2.00	2.00		1	0.3	0.2
HG_DS003232	HG_DS003232	HG_DS003233	Circular	Pipe	115	0.013	-2.00	-2.50	2.00		1	0.3	0.2
HG_DS003234	HG_DS003234	HG_DS003233	Circular	Pipe	158	0.013	-2.40	-2.50	2.00		1	0.3	0.2
HG_DS003241	HG_DS003241	HG_DS003242	Circular	Pipe	81	0.013	-0.50	-0.60	1.50		1	0.3	0.4
HG_DS003242	HG_DS003242	HG_DS003246	Circular	Pipe	76	0.013	-0.60	-0.70	1.50		1	0.3	0.4
HG_DS003243	HG_DS003243	HG_DS003244	Circular	Pipe	140	0.013	0.00	-0.30	1.50		1	0.3	0.7
HG_DS003244	HG_DS003244	HG_DS003245	Circular	Pipe	97	0.013	-0.30	-0.40	1.50		1	0.3	0.2
HG_DS003245	HG_DS003245	HG_DS003241	Circular	Pipe	86	0.013	-0.40	-0.50	2.00		1	0.3	0.7
HG_DS003246	HG_DS003246	HG_DS003247	Circular	Pipe	62	0.013	-0.70	-0.80	2.00		1	0.3	0.2
HG_DS003247	HG_DS003247	HG_DS003248	Circular	Pipe	61	0.013	-0.80	-0.90	1.50		1	0.3	0.7
HG_DS003248	HG_DS003248	HG_DS003258	Circular	Pipe	112	0.013	-0.90	-1.00	2.00		1	0.3	0.4
HG_DS003252	HG_DS003252	HG_DS003248	Circular	Pipe	89	0.013	-0.60	-0.90	1.50		1	0.3	0.2
HG_DS003253	HG_DS003253	HG_DS003252	Circular	Pipe	216	0.013	-0.50	-0.60	2.00		1	0.3	0.2
HG_DS003258	HG_DS003258	HG_DS003226	Circular	Pipe	102	0.013	-1.10	-1.20	2.00		1	0.3	0.2
HG_DS003309	HG_DS003309	HG_DO000464	Circular	Pipe	17	0.013	2.60	2.50	2.00		1	0.3	0.5
HG_DS003881	HG_DS003881	HG_DS001762	Circular	Pipe	435	0.013	-2.42	-1.66	2.50		1	0.3	0.2
HG_DS003956	HG_DS003956	PKE_DO000457	Circular	Pipe	32	0.024	1.60	1.50	1.25		1	0.3	0.5
HG_DS004293_1	HG_DS004293	HG_DO000351	Circular	Pipe	106	0.013	3.00	2.00	2.00		1	0.3	0.5
HG_DS004293_2	HG_DS004293	HG_DS003309	Circular	Pipe	90	0.013	3.00	2.60	2.00		1	0.3	0.2
HG_DS004419_1	HG_DS004419	HG_DMH000486	Circular	Pipe	263	0.013	2.50	2.00	2.50		1	0.3	0.2
HG_DS004419_2	HG_DS004419	HG_DS004419	Circular	Pipe	26	0.013	2.60	2.50	2.00		1	0.3	0.7
HG_DS004420	HG_DS004420	HG_DO000759	Circular	Pipe	14	0.013	-0.38	-0.38	2.50		1	0.3	0.5
HG_DS004446	HG_DS004446	HG_DS001545	Circular	Pipe	30	0.011	2.50	2.00	0.67		1	0.3	0.7
HG_DS004528	HG_DS004528	HG_DS001585	Circular	Pipe	290	0.024	0.50	0.10	1.00		1	0.3	0.2
HG_DS004590	HG_DO000757	HG_DS004590	Circular	Pipe	38	0.013	2.80	2.70	2.00		1	0.5	0.2
HG_DS004774_1	HG_DS004774	HG_DO000551	Circular	Pipe	111	0.013	2.50	2.00	2.00		1	0.3	0.2
HG_DS004774_2	HG_DS004774	HG_DS004775	Circular	Pipe	29	0.013	2.50	2.00	2.00		1	0.3	0.2
HG_DS004775	HG_DS004775	HG_DO000463	Circular	Pipe	80	0.013	2.00	1.50	2.00		1	0.3	0.5
HG_DS005822	HG_DS005822	HG_NID11042	Circular	Pipe	52	0.013	0.00	0.00	1.25		1	0.3	0.5
HG_DS005839	HG_DS005839	HG_DS001584	Circular	Pipe	509	0.024	1.50	0.70	1.25		1	0.3	0.2
HG_DS005841	HG_DS005841	HG_DS005839	Circular	Pipe	446	0.013	2.00	1.50	1.25		1	0.3	0.2
HG_DS005890	HG_DS005890	HG_DS005905	Circular	Pipe	454	0.013	3.00	2.50	1.00		1	0.3	0.2
HG_DS005905	HG_DS005905	HG_DS005841	Circular	Pipe	275	0.013	2.50	2.00	1.25		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS005907	HG_DS005907	HG_DO000351	Circular	Pipe	86	0.024	3.00	2.00	1.50		1	0.3	0.5
HG_DS008023	HG_DS008023	HG_DMH001499	Circular	Pipe	13	0.013	4.00	3.50	1.50		1	0.3	0.7
HG_DS008026	HG_DS008026	HG_DMH001501	Circular	Pipe	15	0.013	4.50	4.00	1.50		1	0.3	0.7
HG_DS008027	HG_DS008027	HG_DMH001503	Circular	Pipe	197	0.024	4.67	4.32	2.00		1	0.3	0.6
HG_DS008580	HG_DS008580	HG_DMH000321	Circular	Pipe	48	0.013	0.12	0.04	2.50		1	0.3	0.2
HG_DS008601	HG_DS008601	HG_NID11044	Circular	Pipe	56	0.013	0.00	0.00	1.25		1	0.3	0.5
HG_NID11055	HG_NID11055	HG_DMH000279	Circular	Pipe	110	0.013	0.30	0.10	2.50		1	0.3	0.5
HG_NID11062	HG_NID11062	HG_DMH000304	Circular	Pipe	52	0.013	0.60	0.50	2.50		1	0.3	0.2
HG_NID11103	HG_NID11103	HG_DS001756	Circular	Pipe	233	0.013	-1.50	-1.80	1.50		1	0.3	0.2
HG_NID11106	HG_NID11106	HG_DS005839	Circular	Pipe	149	0.011	2.00	1.50	0.67		1	0.3	0.7
HG_PS000005	HG_DS003844	HG_PS000005	Circular	Pipe	22	0.013	-2.10	-2.00	0.67		2	0.3	0.2
HGW_DMH001916	HGW_DMH001916	HGW_DMH001917	Circular	Pipe	188	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001917	HGW_DMH001917	HGW_DMH001918	Circular	Pipe	88	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001918	HGW_DMH001918	HGW_DMH001919	Circular	Pipe	77	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001919	HGW_DMH001919	HGW_DMH001920	Circular	Pipe	140	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001920	HGW_DMH001920	HGW_DMH001921	Circular	Pipe	144	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DS009462	HGW_DS009462	HGW_DMH001919	Circular	Pipe	47	0.013	2.10	2.00	1.50		3	0.3	0.7
HH_DMH000031	HH_DMH000031	EH_DMH000151	Circular	Pipe	340	0.013	-3.20	-3.40	4.50		1	0.3	0.2
HH_DMH000045	HH_DMH000045	EH_DMH000139	Circular	Pipe	122	0.013	-3.30	-3.50	3.00		1	0.3	0.2
HH_DMH000046	HH_DMH000046	EH_DMH000047	Circular	Pipe	299	0.013	-2.50	-3.50	2.00		1	0.3	0.2
HH_DMH000256	HH_DMH000256	HH_DS008631	Circular	Pipe	110	0.013	3.30	3.00	1.00		1	0.3	0.2
HH_DMH000633	HH_DMH000633	HH_DS008627	Circular	Pipe	145	0.013	2.50	2.00	2.00		1	0.3	0.2
HH_DMH000706	HH_DMH000706	HH_DMH001513	Circular	Pipe	63	0.013	0.29	0.14	2.50		1	0.3	0.7
HH_DMH000707	HH_DMH000711	HH_DMH000707	Circular	Pipe	47	0.013	2.30	2.10	2.00		1	0.3	0.5
HH_DMH000708	HH_NID10835	HH_DMH000708	Circular	Pipe	43	0.013	2.00	1.90	2.00		1	0.3	0.2
HH_DMH000709	HH_DMH000710	HH_DMH000709	Circular	Pipe	27	0.013	1.80	1.70	2.00		1	0.3	0.2
HH_DMH000710	HH_DMH000708	HH_DMH000710	Circular	Pipe	29	0.013	1.90	1.80	2.00		1	0.3	0.2
HH_DMH000711	HH_DMH000712	HH_DMH000711	Circular	Pipe	106	0.013	2.50	2.30	2.00		1	0.3	0.5
HH_DMH000714	HH_DMH000714	HH_DMH000715	Circular	Pipe	306	0.013	2.00	1.50	1.50		1	0.3	0.2
HH_DMH000715	HH_DMH000715	HH_DS000153	Circular	Pipe	197	0.013	1.50	1.00	1.50		1	0.3	0.4
HH_DMH001439	HH_DMH001439	HH_DMH001440	Circular	Pipe	145	0.013	2.80	2.50	1.25		1	0.3	0.2
HH_DMH001440	HH_DMH001440	HH_DMH000714	Circular	Pipe	246	0.013	2.50	2.00	1.50		1	0.3	0.2
HH_DMH001513	HH_DMH001513	HH_DS007620	Circular	Pipe	11	0.013	0.10	0.08	2.50		1	0.3	0.2
HH_DMH001514	HH_DMH001514	HH_DS009366	Circular	Pipe	139	0.013	3.80	3.50	1.50		1	0.3	0.2
HH_DMH001515	HH_DMH001515	HH_DMH001514	Circular	Pipe	54	0.013	3.90	3.80	1.50		1	0.3	0.2
HH_DMH001543	HH_DS008224	HH_DMH001543	Circular	Pipe	49	0.013	1.50	1.47	2.00		1	0.3	0.2
HH_DMH001895_2	HH_DMH001895	HH_DS000388	Circular	Pipe	172	0.013	-1.50	-0.50	1.25		1	0.3	0.2
HH_DO000848	HH_DO000848DS	HH_DS009364	Circular	Pipe	152	0.013	-1.78	-2.78	1.25		1	0.5	0.2
HH_DS000144_1	HH_DMH000709	HH_DS000144	Circular	Pipe	65	0.013	1.70	1.50	2.00		1	0.3	0.7
HH_DS000144_2	HH_DS000144	HH_NID10856	Circular	Pipe	53	0.013	1.50	1.30	1.50		1	0.3	0.6
HH_DS000145	HH_DS000145	HH_DS000144	Circular	Pipe	81	0.013	1.60	1.50	2.00		1	0.3	0.7
HH_DS000150	HH_DS000150	HH_DMH000712	Circular	Pipe	89	0.013	3.00	2.50	2.00		1	0.3	0.5
HH_DS000151	HH_DS000151	HH_DMH000714	Circular	Pipe	11	0.013	2.10	2.00	1.25		1	0.3	0.7
HH_DS000153	HH_DS000153	HH_DMH000706	Circular	Pipe	108	0.013	0.99	-1.08	2.00		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS000331	HH_DS000331	HH_DMH000714	Circular	Pipe	37	0.013	2.10	2.00	1.25		1	0.3	0.7
HH_DS000388	HH_DS000388	HH_DS000933	Circular	Pipe	54	0.013	-0.50	0.00	1.25		1	0.3	0.4
HH_DS000397	HH_DS000397	PKE_DS000979	Circular	Pipe	53	0.024	0.10	0.00	0.83		1	0.3	0.2
HH_DS000427	HH_DS000427	PKE_DS000986	Circular	Pipe	86	0.024	0.10	0.00	1.25		1	0.3	0.5
HH_DS000460	HH_DS000460	PKE_DS000461	Circular	Pipe	46	0.024	2.50	2.20	1.25		1	0.3	0.2
HH_DS000932	HH_DS000932	PKE_DS006016	Circular	Pipe	85	0.024	1.00	0.70	1.00		1	0.3	0.2
HH_DS000933	HH_DS000933	PKE_DS003975	Circular	Pipe	104	0.013	0.00	0.50	1.25		1	0.3	0.5
HH_DS001189	HH_DS001189	PKE_DS000887	Circular	Pipe	53	0.024	3.20	3.10	1.00		1	0.3	0.6
HH_DS001190	HH_DS001190	PKE_DS000871	Circular	Pipe	67	0.024	0.61	0.67	2.00		1	0.3	0.5
HH_DS001191	HH_DS001191	HH_DS001190	Circular	Pipe	123	0.024	0.80	0.61	1.50		1	0.3	0.5
HH_DS001192	HH_DS001192	HH_DS001191	Circular	Pipe	146	0.024	1.00	0.80	1.50		1	0.3	0.2
HH_DS001195	HH_DS001195	HH_DS001194	Circular	Pipe	49	0.024	0.10	0.00	1.75		1	0.3	0.2
HH_DS002003	HH_DS002003	HH_DS006904	Circular	Pipe	244	0.013	0.20	0.00	2.00		1	0.3	0.7
HH_DS003619	HH_DS003619	HH_DS003609	Circular	Pipe	44	0.013	0.00	0.00	1.00		1	0.3	0.2
HH_DS004851	HH_DS004851	EH_DMH000037	Circular	Pipe	45	0.021	0.00	-0.50	1.50		2	0.3	0.6
HH_DS004917	HH_DS004917	HH_DS004918	Circular	Pipe	79	0.013	2.58	2.55	2.00		1	0.3	0.2
HH_DS004918	HH_DS004918	HH_DMH000706	Circular	Pipe	82	0.013	2.55	2.14	2.00		1	0.3	0.2
HH_DS004969	HH_DS004969	EH_DS007063	Circular	Pipe	72	0.013	-9.08	-9.00	3.50		1	0.3	0.5
HH_DS005006	HH_DS005006	EH_DS005161	Circular	Pipe	50	0.024	0.00	-0.33	1.50		1	0.3	0.6
HH_DS005413	HH_DS005413	EH_DMH000154	Circular	Pipe	40	0.008	-4.50	-5.00	2.00		1	0.3	0.5
HH_DS005765	HH_DS005765	HH_DMH000256	Circular	Pipe	71	0.013	3.50	3.30	1.00		1	0.3	0.5
HH_DS005788	HH_DS005788	HH_DS006072	Circular	Pipe	50	0.024	3.00	2.70	1.00		1	0.3	0.5
HH_DS006006	HH_DS006006	HH_DS005765	Circular	Pipe	57	0.013	3.60	3.50	1.00		1	0.3	0.5
HH_DS006071	HH_DS006071	HH_NID10911	Circular	Pipe	296	0.024	0.00	0.00	1.00		1	0.3	1.0
HH_DS006072	HH_DS006072	HH_DMH000633	Circular	Pipe	47	0.013	2.70	2.50	2.00		1	0.3	0.5
HH_DS006087	HH_DS006087	EH_DMH000022	Circular	Pipe	45	0.013	-1.00	-1.50	1.25		3	0.3	0.6
HH_DS006118	HH_DS006118	HH_DS006122	Circular	Pipe	28	0.024	-2.00	-2.50	1.00		1	0.3	0.4
HH_DS006119	HH_DS006119	HH_DS006118	Circular	Pipe	40	0.024	-1.00	-2.00	1.00		1	0.3	0.2
HH_DS006120	HH_DS006120	HH_DMH000045	Circular	Pipe	39	0.013	-3.00	-3.30	1.25		1	0.3	0.7
HH_DS006122	HH_DS006122	HH_DS006123	Circular	Pipe	43	0.024	-2.50	-3.00	1.00		1	0.3	0.6
HH_DS006123	HH_DS006123	EH_DMH000139	Circular	Pipe	51	0.013	-3.00	-3.50	1.25		1	0.3	0.7
HH_DS006124	HH_DS006124	EH_DMH000028	Circular	Pipe	43	0.013	-2.00	-2.50	1.25		1	0.3	0.6
HH_DS006125	HH_DS006125	EH_DMH000137	Circular	Pipe	58	0.013	-1.00	-2.00	1.25		1	0.3	0.7
HH_DS006126	HH_DS006126	EH_DMH000157	Circular	Pipe	46	0.013	0.50	0.00	1.25		1	0.3	0.7
HH_DS006164	HH_DS006164	HH_DS006187	Circular	Pipe	62	0.013	3.00	2.70	1.25		1	0.3	0.6
HH_DS006165	HH_DS006165	HH_DS006172	Circular	Pipe	58	0.013	3.20	3.00	1.25		1	0.3	0.7
HH_DS006170	HH_DS006170	HH_DS004917	Circular	Pipe	59	0.013	2.70	2.58	1.25		1	0.3	0.7
HH_DS006172	HH_DS009366	HH_DS006172	Circular	Pipe	273	0.013	3.50	3.00	1.25		1	0.3	0.2
HH_DS006186_1	HH_DS006186	HH_DS006187	Circular	Pipe	60	0.013	2.80	2.70	1.50		1	0.3	0.2
HH_DS006186_2	HH_DS006172	HH_DS006186	Circular	Pipe	184	0.013	3.00	2.80	1.25		1	0.3	0.2
HH_DS006187	HH_DS006187	HH_DS004917	Circular	Pipe	163	0.013	2.70	2.58	1.50		1	0.3	0.2
HH_DS006197	HH_DS006197	EH_DMH000026	Circular	Pipe	50	0.013	0.50	0.00	1.25		3	0.3	0.6
HH_DS006198	HH_DS006198	EH_DMH000151	Circular	Pipe	47	0.013	0.50	0.00	1.25		1	0.3	0.7
HH_DS006312	HH_DS006312	PKE_DS005003	Circular	Pipe	66	0.024	-0.40	-0.50	1.00		1	0.3	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS006313	HH_DS006313	PKE_DS006550	Circular	Pipe	58	0.013	0.10	0.00	1.25		1	0.3	0.2
HH_DS006376	HH_DS006376	PKE_DS003975	Circular	Pipe	68	0.013	0.70	0.50	1.25		1	0.3	0.4
HH_DS006553	HH_DS006553	PKE_DS006325	Circular	Pipe	42	0.024	0.10	0.00	1.25		1	0.3	0.7
HH_DS006845	HH_DS006845	HH_DS006844	Circular	Pipe	76	0.013	1.50	1.10	1.50		1	0.3	0.7
HH_DS006846_1	HH_DS006844	HH_DS006846	Circular	Pipe	111	0.013	1.10	1.00	1.50		1	0.3	0.7
HH_DS006846_2	HH_DS006846	HH_DS006895	Circular	Pipe	85	0.013	1.00	0.90	1.50		1	0.3	0.2
HH_DS006847_1	HH_DS006882	HH_DS006847	Circular	Pipe	58	0.013	1.30	1.20	1.50		1	0.3	0.7
HH_DS006847_2	HH_DS006847	HH_DS006881	Circular	Pipe	101	0.013	1.20	1.10	1.50		1	0.3	0.5
HH_DS006848_1	HH_DS006851	HH_DS006848	Circular	Pipe	124	0.013	1.60	1.50	1.50		1	0.3	0.2
HH_DS006848_2	HH_DS006848	HH_DS006883	Circular	Pipe	89	0.013	1.50	1.40	1.50		1	0.3	0.5
HH_DS006849	HH_DS006849	HH_DS006850	Circular	Pipe	96	0.013	1.80	1.60	1.25		1	0.3	0.7
HH_DS006850	HH_DS006850	HH_DS006851	Circular	Pipe	34	0.013	1.60	1.50	1.50		1	0.3	0.7
HH_DS006851	HH_DS006851	HH_DS006853	Circular	Pipe	132	0.013	1.50	1.20	1.50		1	0.3	0.7
HH_DS006852	HH_DS006852	HH_DS006850	Circular	Pipe	62	0.013	1.80	1.60	1.25		1	0.3	0.7
HH_DS006853	HH_DS006853	HH_DS006884	Circular	Pipe	141	0.013	1.20	1.10	1.50		1	0.3	0.2
HH_DS006881	HH_DS006881	HH_DS006846	Circular	Pipe	80	0.013	1.10	1.00	1.50		1	0.3	0.7
HH_DS006883	HH_DS006883	HH_DS006882	Circular	Pipe	83	0.013	1.40	1.30	1.50		1	0.3	0.2
HH_DS006884	HH_DS006884	HH_DS006885	Circular	Pipe	140	0.013	1.10	1.00	1.50		1	0.3	0.7
HH_DS006885	HH_DS006885	HH_DS006886	Circular	Pipe	146	0.013	1.00	0.90	1.50		1	0.3	0.2
HH_DS006886	HH_DS006886	HH_DS006887	Circular	Pipe	144	0.013	0.90	0.80	1.50		1	0.3	0.2
HH_DS006887	HH_DS006887	HH_DS006888	Circular	Pipe	148	0.013	0.80	0.70	1.50		1	0.3	0.2
HH_DS006888	HH_DS006888	HH_DS006889	Circular	Pipe	145	0.013	0.70	0.60	1.50		1	0.3	0.2
HH_DS006889	HH_DS006889	HH_DS006890	Circular	Pipe	91	0.013	0.60	0.50	2.00		1	0.3	0.2
HH_DS006890	HH_DS006890	HH_DS006891	Circular	Pipe	99	0.013	0.50	0.40	2.00		1	0.3	0.7
HH_DS006891	HH_DS006891	HH_DS006892	Circular	Pipe	33	0.013	0.40	0.30	2.00		1	0.3	0.7
HH_DS006892	HH_DS006892	HH_DS002003	Circular	Pipe	52	0.013	0.30	0.20	2.00		1	0.3	0.7
HH_DS006893	HH_DS006893	HH_DS006889	Circular	Pipe	82	0.013	0.70	0.60	1.50		1	0.3	0.7
HH_DS006894	HH_DS006894	HH_DS006893	Circular	Pipe	84	0.013	0.80	0.70	1.50		1	0.3	0.2
HH_DS006895	HH_DS006895	HH_DS006894	Circular	Pipe	87	0.013	0.90	0.80	1.50		1	0.3	0.2
HH_DS006897	HH_DS006897	HH_DS006899	Circular	Pipe	74	0.013	0.70	0.60	1.50		1	0.3	0.7
HH_DS006899	HH_DS006899	HH_DS006900	Circular	Pipe	169	0.013	0.60	0.50	1.50		1	0.3	0.2
HH_DS006900	HH_DS006900	HH_DS006901	Circular	Pipe	112	0.013	0.50	0.40	1.50		1	0.3	0.7
HH_DS006901	HH_DS006901	HH_DS006902	Circular	Pipe	109	0.013	0.40	0.20	3.00		1	0.3	0.5
HH_DS006902	HH_DS006902	HH_DS006903	Circular	Pipe	33	0.013	0.20	0.10	3.00		1	0.3	0.7
HH_DS006903	HH_DS006903	HH_DS006904	Circular	Pipe	128	0.013	0.10	-0.05	3.00		1	0.3	0.5
HH_DS006904_1	HH_DS006904W	PKE_FDG000080	Circular	Pipe	99	0.024	-1.80	-2.00	4.50		1	0.3	0.2
HH_DS006904_2	HH_NID10025	HH_DS006904W	Circular	Pipe	30	0.013	0.94	0.00	1.25		1	0.3	0.7
HH_DS006906	HH_DS006906	HH_DS006907	Circular	Pipe	40	0.013	0.60	0.50	1.50		1	0.3	0.2
HH_DS006907	HH_DS006907	HH_DS006901	Circular	Pipe	104	0.013	0.50	0.40	1.50		1	0.3	0.7
HH_DS006909	HH_DS006909	HH_DS006906	Circular	Pipe	89	0.013	0.70	0.60	1.50		1	0.3	0.2
HH_DS007613	HH_DS007613	HH_DMH001439	Circular	Pipe	104	0.013	3.00	2.80	1.25		1	0.3	0.2
HH_DS007617	HH_DS007617	HH_DS000153	Circular	Pipe	48	0.013	1.50	1.00	1.25		1	0.3	0.7
HH_DS007618	HH_DS007618	HH_DMH001513	Circular	Pipe	59	0.013	0.50	0.10	1.25		1	0.3	0.2
HH_DS007620	HH_DS007620	HH_DO000848	Circular	Pipe	35	0.013	0.06	-0.07	2.50		1	0.3	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS008095	HH_DS008095	HH_DMH001514	Circular	Pipe	83	0.013	4.00	3.80	1.50		1	0.3	0.7
HH_DS008096	HH_DS008096	HH_DS008095	Circular	Pipe	46	0.013	4.10	4.00	1.50		1	0.3	0.7
HH_DS008098	HH_DS008098	HH_DMH001515	Circular	Pipe	32	0.013	4.00	3.90	1.50		1	0.3	0.7
HH_DS008217	HH_DS008217	HH_DS008223	Circular	Pipe	79	0.013	1.81	1.43	2.00		1	0.3	0.5
HH_DS008218	HH_DS008218	HH_DS008217	Circular	Pipe	50	0.013	1.43	1.40	1.50		1	0.3	0.5
HH_DS008219	HH_DS008219	HH_DS008218	Circular	Pipe	46	0.013	1.44	1.43	2.00		1	0.3	0.5
HH_DS008221_1	HH_DS008221	HH_DS008223	Circular	Pipe	57	0.013	1.50	1.43	1.50		1	0.3	0.5
HH_DS008221_2	HH_DS008222	HH_DS008221	Circular	Pipe	33	0.013	1.40	1.50	1.25		1	0.3	0.6
HH_DS008222	HH_DMH001543	HH_DS008222	Circular	Pipe	89	0.013	1.47	1.40	1.50		1	0.3	0.2
HH_DS008579	HH_DS008579	HH_DS006376	Circular	Pipe	50	0.013	1.00	0.70	1.25		1	0.3	0.2
HH_DS008627	HH_DS008627	HH_NID10912	Circular	Pipe	380	0.013	2.00	1.10	3.00		1	0.3	0.7
HH_DS008628	HH_DS008628	HH_DS008627	Circular	Pipe	111	0.013	2.20	2.00	3.00		1	0.3	0.7
HH_DS008630	HH_DS008630	HH_DS008628	Circular	Pipe	147	0.013	2.50	2.20	2.50		1	0.3	0.2
HH_DS008631	HH_DS008631	HH_DMH001611	Circular	Pipe	77	0.013	3.00	2.70	1.00		1	0.3	0.7
HH_DS008980	HH_DS008980	PKE_FDG000120	Circular	Pipe	84	0.013	0.50	0.20	1.00		1	0.3	0.2
HH_DS009367	HH_DS009367	HH_DS009366	Circular	Pipe	58	0.013	3.70	3.50	1.25		1	0.3	0.7
HH_FDOT15941	HH_FDOT15941	HH_FDOT15942	Circular	Pipe	288	0.013	1.00	0.60	1.50		1	0.3	0.7
HH_FDOT15942	HH_FDOT15942	HH_DS008980	Circular	Pipe	48	0.013	0.60	0.50	2.00		1	0.3	0.7
HH_FDOT9995	HH_FDOT9995	HH_FDOT15941	Circular	Pipe	32	0.013	1.10	1.00	1.50		1	0.3	0.7
HH_FDOT9997	HH_FDOT9997	HH_FDOT15942	Circular	Pipe	61	0.013	0.00	0.00	2.00		1	0.3	0.2
HH_NID10835	HH_DMH000707	HH_NID10835	Circular	Pipe	10	0.013	2.10	2.00	2.00		1	0.3	0.2
HH_NID10856	HH_NID10856	HH_DS000153	Circular	Pipe	169	0.013	1.30	1.00	1.50		1	0.3	0.4
HH_NID10912	HH_NID10912	HH_NID10911	Circular	Pipe	18	0.013	1.10	1.00	3.00		1	0.3	1.0
HH_NID10933	HH_NID10933	HH_DS008630	Circular	Pipe	105	0.013	2.70	2.50	2.50		1	0.3	0.2
LA_DS004923	LA_DS004923	HGW_DMH001916	Circular	Pipe	50	0.013	2.10	2.00	1.50		5	0.3	0.7
LB_DMH000163	LB_DMH000163	LB_DS007278	Circular	Pipe	65	0.024	-2.88	-3.03	3.50		1	0.3	0.7
LB_DMH000173	LB_DMH000173	NC_DMH000174	Circular	Pipe	321	0.013	-0.50	-1.00	3.50		1	0.3	0.2
LB_DMH000177	LB_DMH000177	NC_DMH000478	Circular	Pipe	332	0.013	-2.50	-3.00	4.00		1	0.3	0.2
LB_DMH000351	LB_DMH000351	LB_DS005862	Circular	Pipe	15	0.024	-2.08	-2.33	2.50		1	0.3	0.2
LB_DMH000352	LB_DMH000352	LB_DS005864	Circular	Pipe	102	0.024	-1.50	-1.83	1.75		1	0.3	0.2
LB_DMH000353	LB_DMH000353	LB_DS005468	Circular	Pipe	175	0.024	-1.50	-2.13	1.75		1	0.3	0.6
LB_DMH000473	LB_DMH000473	LB_DMH000474	Circular	Pipe	147	0.024	-0.93	-1.50	2.00		1	0.3	0.7
LB_DMH000474	LB_DMH000474	LB_DMH000163	Circular	Pipe	213	0.024	-1.50	-2.88	3.00		1	0.3	0.7
LB_DMH000475	LB_DMH000475	LB_DS006289	Circular	Pipe	258	0.024	-2.13	-2.68	3.50		1	0.3	0.5
LB_DMH000476	LB_DMH000476	LB_DMH000474	Circular	Pipe	340	0.024	-0.83	-1.50	2.00		1	0.3	0.7
LB_DMH000634	LB_DMH000634	LB_DS007277	Circular	Pipe	108	0.024	-4.58	-5.00	3.00		1	0.3	1.0
LB_DMH000925	LB_DMH000925DS	LB_DS007277	Circular	Pipe	54	0.013	1.48	1.48	2.00		1	0.3	1.0
LB_DMH000926	LB_DS000821	LB_DMH000926	Circular	Pipe	75	0.013	0.00	-0.50	1.50		1	0.3	0.7
LB_DMH000927	LB_DMH000927	LB_DS007277	Circular	Pipe	92	0.013	0.44	0.29	2.00		1	0.3	1.0
LB_DS000332	LB_DS000332	LB_DS000339	Circular	Pipe	292	0.013	0.00	-0.50	1.50		1	0.3	0.7
LB_DS000334	LB_DS000334	LB_DS000337	Circular	Pipe	179	0.024	0.00	-0.50	1.25		1	0.3	0.2
LB_DS000337	LB_DS000337	LB_DS007067	Circular	Pipe	148	0.024	-0.50	-1.00	1.50		1	0.3	0.2
LB_DS000339	LB_DS000339	LB_DS000340	Circular	Pipe	81	0.013	-0.50	-1.00	1.50		1	0.3	0.2
LB_DS000340	LB_DS000340	LB_DS007070	Circular	Pipe	157	0.013	-1.00	-1.50	1.50		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LB_DS000820	LB_DS000820	LB_DS000823	Circular	Pipe	28	0.013	0.90	0.80	1.50		1	0.3	0.7
LB_DS000821	LB_DS000820	LB_DS000821	Circular	Pipe	200	0.013	0.90	0.00	1.50		1	0.3	0.2
LB_DS000823	LB_DS000823	LB_DS000842	Circular	Pipe	200	0.013	0.80	0.70	1.50		1	0.3	0.2
LB_DS000828	LB_DS000828	LB_DS000836	Circular	Pipe	200	0.013	1.00	0.80	1.50		1	0.3	0.2
LB_DS000829	LB_DS000829	LB_DS008306	Circular	Pipe	9	0.013	0.50	0.32	1.25		1	0.3	0.2
LB_DS000831	LB_DS000831	LB_DS000829	Circular	Pipe	85	0.013	0.60	0.50	1.25		1	0.3	0.2
LB_DS000832	LB_DS000832	LB_DS000831	Circular	Pipe	60	0.013	0.70	0.60	1.25		1	0.3	0.2
LB_DS000836	LB_DS000836	LB_DS000855	Circular	Pipe	87	0.013	0.80	0.70	1.50		1	0.3	0.2
LB_DS000838	LB_DS000838	LB_DS000843	Circular	Pipe	28	0.013	0.60	0.50	1.50		1	0.3	0.2
LB_DS000839	LB_DS000839	LB_DS000838	Circular	Pipe	147	0.013	0.70	0.60	1.50		1	0.3	0.2
LB_DS000840	LB_DS000840	LB_DS000839	Circular	Pipe	110	0.013	0.80	0.70	1.50		1	0.3	0.2
LB_DS000842	LB_DS000842	LB_DS000838	Circular	Pipe	193	0.013	0.70	0.60	1.50		1	0.3	0.7
LB_DS000843	LB_DS000843	LB_DMH000927	Circular	Pipe	55	0.013	0.50	0.44	1.50		1	0.3	0.2
LB_DS000850	LB_DS000850	LB_DS000853	Circular	Pipe	139	0.013	0.90	0.80	1.50		1	0.3	0.7
LB_DS000851	LB_DS000851	LB_DS000852	Circular	Pipe	52	0.013	1.10	1.00	1.50		1	0.5	0.7
LB_DS000852	LB_DS000852	LB_DS000850	Circular	Pipe	130	0.013	1.00	0.90	1.50		1	0.3	0.7
LB_DS000853	LB_DS000853	LB_DS000855	Circular	Pipe	120	0.013	0.80	0.70	1.50		1	0.3	0.7
LB_DS000854	LB_DS000854	LB_DS000853	Circular	Pipe	200	0.013	1.00	0.80	1.50		1	0.3	0.2
LB_DS000855	LB_DS000855	LB_DS000838	Circular	Pipe	139	0.013	0.70	0.60	1.50		1	0.3	0.7
LB_DS000856	LB_DS000856	LB_DS000840	Circular	Pipe	52	0.013	0.90	0.80	1.50		1	0.5	0.7
LB_DS000861	LB_DS000861	LB_DS007284	Circular	Pipe	113	0.013	-1.00	-1.49	1.50		1	0.3	0.5
LB_DS000862	LB_DS000862	LB_DS000861	Circular	Pipe	97	0.013	-0.50	-1.00	1.50		1	0.3	0.7
LB_DS000864	LB_DMH000926	LB_DS000864	Circular	Pipe	67	0.013	-0.50	-1.00	1.50		1	0.3	0.7
LB_DS000866	LB_DS000864	LB_DS007284	Circular	Pipe	60	0.013	-1.00	-1.49	1.50		1	0.3	0.5
LB_DS003493	LB_DS003493	LB_DS003494	Circular	Pipe	81	0.024	0.62	0.42	2.00		1	0.3	0.2
LB_DS003494	LB_DS003494	LB_DS007277	Circular	Pipe	172	0.024	0.42	-2.50	2.00		1	0.3	1.0
LB_DS005194	LB_DS005194	LB_DMH000476	Circular	Pipe	42	0.024	-0.50	-0.83	1.50		1	0.3	0.7
LB_DS005195	LB_DS005195DS	OH_CHC98324	Circular	Pipe	208	0.013	-2.00	-3.00	2.00		1	0.5	1.0
LB_DS005197	LB_DS005197	LB_DMH000475	Circular	Pipe	270	0.024	-1.50	-2.13	3.00		1	0.3	0.2
LB_DS005198	LB_DS005198	LB_DMH000476	Circular	Pipe	43	0.024	-0.50	-0.83	1.25		1	0.3	0.6
LB_DS005406	LB_DS005406	LB_FDG000136	Circular	Pipe	90	0.024	-2.00	-2.50	1.25		1	0.3	0.2
LB_DS005468	LB_DS005468	LB_DS006004	Circular	Pipe	36	0.024	-2.13	-2.77	2.50		1	0.3	0.4
LB_DS005471	LB_DS005471	LB_DS005472	Circular	Pipe	222	0.024	-1.50	-1.80	1.75		1	0.3	0.2
LB_DS005472	LB_DS005472	LB_DS005468	Circular	Pipe	44	0.024	-1.83	-2.13	2.00		1	0.3	0.7
LB_DS005473	LB_DS005473	LB_DS005866	Circular	Pipe	222	0.024	-1.00	-1.40	1.50		1	0.3	0.2
LB_DS005862	LB_DS005862	LB_DS006411	Circular	Pipe	222	0.024	-2.33	-3.40	2.50		1	0.3	0.6
LB_DS005863	LB_DS005863	LB_DS006237	Circular	Pipe	222	0.024	-2.33	-2.33	2.50		1	0.3	0.2
LB_DS005864	LB_DS005864	LB_DS005863	Circular	Pipe	42	0.024	-1.83	-1.83	2.00		1	0.3	0.2
LB_DS005866	LB_DS005866	LB_DS005471	Circular	Pipe	42	0.024	-1.40	-1.50	1.50		1	0.3	0.2
LB_DS006004	LB_DS006004	LB_DS007277	Circular	Pipe	324	0.024	-3.08	-4.00	2.50		1	0.3	1.0
LB_DS006228	LB_DS006228	LB_DS006232	Circular	Pipe	636	0.024	0.00	-1.00	1.50		1	0.3	0.2
LB_DS006231	LB_DS006231	LB_DS006228	Circular	Pipe	141	0.024	0.50	0.00	1.50		1	0.3	0.2
LB_DS006232	LB_DS006232	LB_DS006236	Circular	Pipe	336	0.024	-1.00	-1.50	1.50		1	0.3	0.2
LB_DS006236	LB_DS006236	LB_DMH000351	Circular	Pipe	329	0.024	-1.50	-2.08	1.50		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LB_DS006237	LB_DS006237	LB_DMH000351	Circular	Pipe	27	0.024	-2.33	-2.08	2.50		1	0.3	0.2
LB_DS006245	LB_DS006245	LB_DMH000353	Circular	Pipe	101	0.024	-1.30	-1.50	1.75		1	0.3	0.5
LB_DS006270	LB_DS006270	LB_DMH000163	Circular	Pipe	113	0.024	-1.18	-2.88	2.00		1	0.3	0.2
LB_DS006289	LB_DS006289	LB_DS006526	Circular	Pipe	42	0.024	-2.68	-2.88	3.50		1	0.3	0.4
LB_DS006290_1	LB_DS006290	LB_DS006270	Circular	Pipe	45	0.024	-0.88	-1.18	2.00		1	0.3	0.2
LB_DS006290_2	LB_DO000448	LB_DS006290	Circular	Pipe	159	0.024	-0.50	-0.88	2.00		1	0.3	0.2
LB_DS006411	LB_DS006411	LB_DS006855	Circular	Pipe	47	0.024	-4.58	-4.58	3.00		1	0.3	0.5
LB_DS006412	LB_DS006412	LB_DMH000352	Circular	Pipe	156	0.024	-1.00	-1.50	1.75		1	0.3	0.5
LB_DS006423	LB_DS006423	NC_DMH000478	Circular	Pipe	46	0.013	0.00	-1.00	1.25		1	0.3	0.5
LB_DS006424	LB_DS006424	NC_DMH000178	Circular	Pipe	40	0.013	-1.00	-2.00	1.25		1	0.3	0.7
LB_DS006427	LB_DS006427	LB_DS006428	Circular	Pipe	28	0.024	0.00	0.00	1.00		1	0.3	0.2
LB_DS006433	LB_DS006433	NC_DMH000175	Circular	Pipe	45	0.013	-1.00	-2.00	1.25		3	0.3	0.5
LB_DS006518	LB_DS006518	OH_CHC98320	Circular	Pipe	370	0.013	-1.00	-3.00	2.00		1	0.3	1.0
LB_DS006519	LB_DS006519	LB_DMH000473	Circular	Pipe	37	0.024	-0.50	-0.93	1.50		1	0.3	0.7
LB_DS006526	LB_DS006526	LB_DS007279	Circular	Pipe	110	0.024	-2.88	-3.58	3.50		1	0.3	0.2
LB_DS006527	LB_DS006527	NC_DS005012	Circular	Pipe	60	0.013	-3.00	-4.00	1.25		1	0.3	0.7
LB_DS006528	LB_DS006528	NC_DMH000182	Circular	Pipe	127	0.013	-3.00	-4.00	1.25		1	0.3	0.4
LB_DS006855	LB_DS006855	LB_DMH000634	Circular	Pipe	285	0.024	-4.58	-4.58	3.00		1	0.3	0.4
LB_DS006880	LB_DS006880	LB_DS006411	Circular	Pipe	43	0.024	-3.00	-3.40	1.25		1	0.3	0.7
LB_DS007067	LB_DS007067	LB_DS007277	Circular	Pipe	23	0.024	-1.00	-2.00	1.50		1	0.3	1.0
LB_DS007070	LB_DS007070	LB_DS007277	Circular	Pipe	30	0.013	-1.50	-2.00	1.50		1	0.3	1.0
LB_DS007205	LB_DS007205	LB_DS006289	Circular	Pipe	132	0.024	-1.18	-2.68	2.00		1	0.3	0.4
LB_DS007206	LB_DS007206	LB_DS005197	Circular	Pipe	124	0.024	-1.00	-1.50	2.00		1	0.3	0.6
LB_DS007277	LB_DS007277	LB_DS006518	Circular	Pipe	32	0.013	-3.00	-1.00	2.00		1	0.5	0.2
LB_DS007278	LB_DS007278	LB_DS007277	Circular	Pipe	59	0.024	-3.03	-5.00	4.00		1	0.3	1.0
LB_DS007279	LB_DS007279	LB_DS007277	Circular	Pipe	51	0.024	-3.58	-4.50	3.50		1	0.3	1.0
LB_DS007284	LB_DS007284	LB_DMH000925	Circular	Pipe	24	0.013	-1.49	-1.55	2.00		1	0.3	0.2
LB_DS008302	LB_DS008302	LB_DS000832	Circular	Pipe	91	0.013	0.80	0.70	1.25		1	0.3	0.2
LB_DS008303	LB_DS008303	LB_DS008302	Circular	Pipe	35	0.013	0.90	0.80	1.25		1	0.3	0.2
LB_DS008304	LB_DS008304	LB_DS008303	Circular	Pipe	28	0.013	1.00	0.90	1.25		1	0.3	0.2
LB_DS008305	LB_DS008305	LB_DS008304	Circular	Pipe	67	0.013	1.10	1.00	1.25		1	0.3	0.2
LB_DS008306	LB_DS008306	LB_DS007277	Circular	Pipe	45	0.013	0.32	-2.00	1.25		1	0.3	1.0
LB_FDG000136	LB_FDG000136	LB_DS006880	Circular	Pipe	119	0.024	-2.50	-3.00	1.00		1	0.3	0.2
LB_NID10054	LB_NID10054DS	OH_CHC98324	Circular	Pipe	58	0.013	-1.00	-2.00	1.50		1	0.5	1.0
LE_DS001898	LE_DS001898	OR_DMH000583	Circular	Pipe	259	0.013	1.30	0.62	3.00		1	0.3	0.2
LE_DS001912	LE_DS001912	BC_DS001907	Circular	Pipe	535	0.013	-0.50	-0.80	3.00		1	0.3	0.2
LE_DS003989	LE_DS003989	LE_DS003990	Circular	Pipe	235	0.013	2.01	1.50	2.00		1	0.3	0.2
LE_DS003990	LE_DS003990	LE_DS004020	Circular	Pipe	302	0.013	0.50	0.30	3.00		1	0.3	0.2
LE_DS004020	LE_DS004020	AF_DMH000584	Circular	Pipe	326	0.013	0.30	0.00	3.00		1	0.3	0.2
LE_DS004021	LE_DS004021	LE_DS001898	Circular	Pipe	400	0.013	3.00	1.80	1.50		1	0.3	0.2
LE_DS004022_1	EH_DS005328	LE_DS004022	Circular	Pipe	89	0.013	2.30	2.20	1.50		1	0.3	0.7
LE_DS004022_2	LE_DS004022	LE_DS003989	Circular	Pipe	169	0.013	2.20	2.01	1.50		1	0.3	0.2
LEH_DS004115	LEH_DS004115	LEH_DS004117	Circular	Pipe	288	0.013	-0.10	-0.31	1.50		1	0.3	0.7
LEH_DS004117	LEH_DS004117	LEH_DO000760	Circular	Pipe	55	0.013	-0.31	-2.00	2.00		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LEH_DS004118	LEH_DS004118	LEH_DS004117	Circular	Pipe	284	0.024	-0.20	-0.31	2.50		1	0.3	0.7
LEH_DS004121_1	LEH_DS004121	LEH_DS004115	Circular	Pipe	43	0.013	0.00	-0.10	1.50		1	0.3	0.2
LEH_DS004121_2	LEH_DS004121	LEH_DS007456	Circular	Pipe	54	0.013	0.00	-2.00	2.00		1	0.3	1.0
LEH_DS004122	LEH_DS004122	LEH_DO000760	Circular	Pipe	150	0.024	-1.00	-2.00	1.25		1	0.3	1.0
LEH_DS004123	LEH_DS004123	LEH_DS005373	Circular	Pipe	47	0.024	-1.50	-1.60	1.25		1	0.3	0.5
LEH_DS004128	LEH_DS004128	LEH_DO000760	Circular	Pipe	157	0.024	-2.50	-3.00	2.50		1	0.3	1.0
LEH_DS004129_2	LEH_DS004129	LEH_DO000760	Circular	Pipe	43	0.013	-0.63	-2.00	2.00		1	0.3	1.0
LEH_DS004130	LEH_DS004130	LEH_DS004128	Circular	Pipe	287	0.024	-1.00	-1.50	1.25		1	0.3	0.7
LEH_DS005177	LEH_DS005177	LEH_DO000760	Circular	Pipe	160	0.013	-1.00	-2.00	1.25		1	0.3	1.0
LEH_DS005344	LEH_DS005344	BC_NID11004	Circular	Pipe	86	0.013	-1.00	-1.70	1.25		3	0.3	0.7
LEH_DS005347	LEH_DS005347	LEH_DO000760	Circular	Pipe	168	0.013	-1.00	-2.00	1.25		1	0.3	1.0
LEH_DS005348	LEH_DS005348	LEH_DS005360	Circular	Pipe	97	0.024	1.10	1.00	1.50		1	0.3	0.7
LEH_DS005357	LEH_DS005357	LEH_DO000760	Circular	Pipe	165	0.024	-1.00	-2.00	1.25		1	0.3	1.0
LEH_DS005360	LEH_DS005360	EH_DS005364	Circular	Pipe	48	0.024	1.00	0.90	1.00		1	0.3	0.7
LEH_DS005361	LEH_DS005361	LEH_DS005370	Circular	Pipe	104	0.024	1.80	1.70	1.50		1	0.3	0.2
LEH_DS005365	LEH_DS005365	EH_DS005352	Circular	Pipe	37	0.024	1.60	1.50	1.50		1	0.3	0.7
LEH_DS005366	LEH_DS005366	BC_NID11015	Circular	Pipe	84	0.013	-1.00	-1.30	1.25		2	0.3	0.7
LEH_DS005369	LEH_DS005369	LEH_DS006727	Circular	Pipe	222	0.024	0.20	0.10	2.50		1	0.3	0.7
LEH_DS005370	LEH_DS005370	LEH_DS005365	Circular	Pipe	208	0.024	1.70	1.60	1.50		1	0.3	0.7
LEH_DS005371	LEH_DS005371	SC_DMH001780	Circular	Pipe	77	0.013	-2.00	-2.50	1.25		1	0.3	0.7
LEH_DS005373	LEH_DS005373	LEH_DO000760	Circular	Pipe	124	0.024	-1.60	-2.00	1.50		1	0.3	1.0
LEH_DS005375	LEH_DS005375	LEH_DO000760	Circular	Pipe	65	0.024	-2.50	-3.00	2.50		1	0.3	1.0
LEH_DS005376	LEH_DS005376	EH_DS005362	Circular	Pipe	61	0.024	1.40	1.30	1.50		1	0.3	0.7
LEH_DS005381	LEH_DS005381	LEH_DS005361	Circular	Pipe	221	0.024	1.90	1.80	1.50		1	0.3	0.2
LEH_DS005384	LEH_DS005384	SC_NID10949	Circular	Pipe	75	0.013	-2.00	-3.20	1.25		4	0.3	0.7
LEH_DS005394	LEH_DS005394	LEH_NID8613	Circular	Pipe	82	0.013	-1.00	-1.50	1.25		1	0.3	0.7
LEH_DS005402	LEH_DS005402	LEH_DS007456	Circular	Pipe	159	0.013	-1.00	-2.00	1.50		1	0.3	1.0
LEH_DS005403	LEH_DS005403	EH_DS005404	Circular	Pipe	54	0.024	0.50	0.42	1.25		1	0.3	0.7
LEH_DS006444	LEH_DS006444	LEH_DS006798	Circular	Pipe	53	0.024	0.00	-0.10	2.00		1	0.3	0.2
LEH_DS006445	LEH_DS006445	LEH_DS006444	Circular	Pipe	243	0.024	0.20	0.00	2.00		1	0.3	0.2
LEH_DS006447	LEH_DS006447	LEH_DO000760	Circular	Pipe	164	0.024	-2.50	-3.00	2.50		1	0.3	1.0
LEH_DS006714	LEH_DS006714	LEH_DS004117	Circular	Pipe	40	0.024	-0.10	-0.23	2.50		1	0.3	0.2
LEH_DS006726_1	LEH_DS006726	LEH_DS004117	Circular	Pipe	55	0.024	0.00	-0.23	1.25		1	0.3	0.5
LEH_DS006726_2	LEH_DS006726	LEH_DS006714	Circular	Pipe	53	0.024	0.00	-0.10	1.25		1	0.3	0.7
LEH_DS006727	LEH_DS006727	LEH_DS006726	Circular	Pipe	415	0.024	0.10	0.00	2.50		1	0.3	0.7
LEH_DS006790	LEH_DS006790	LEH_NID10975	Circular	Pipe	382	0.024	-1.50	-1.90	1.00		1	0.3	0.7
LEH_DS006792	LEH_DS006792	LEH_DS004129	Circular	Pipe	302	0.024	0.00	-0.27	1.25		1	0.3	0.7
LEH_DS006793_1	LEH_DS006793	LEH_DS007456	Circular	Pipe	189	0.024	-1.00	-2.50	2.00		1	0.3	1.0
LEH_DS006793_2	LEH_DS006793	LEH_NID8613	Circular	Pipe	234	0.013	-1.00	-1.50	1.25		1	0.3	0.7
LEH_DS006794	LEH_DS006794	LEH_DS007456	Circular	Pipe	156	0.024	-2.00	-3.00	2.00		1	0.3	1.0
LEH_DS006798	LEH_DS006798	LEH_DS004129	Circular	Pipe	227	0.024	-0.10	-0.29	2.00		1	0.3	0.7
LEH_NID10965	LEH_NID10965	LEH_DS004118	Circular	Pipe	187	0.024	0.00	-0.20	1.25		1	0.3	0.2
LEH_NID10975	LEH_NID10975	LEH_DS006794	Circular	Pipe	28	0.024	-1.90	-2.00	1.25		1	0.3	0.2
LEH_NID8613	LEH_NID8613	LEH_DS007456	Circular	Pipe	167	0.013	-1.50	-2.00	1.50		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
MR_DMH000615	MR_DMH000615	OR_DMH000580	Circular	Pipe	204	0.013	-0.50	-1.00	1.50		1	0.3	0.2
MR_DMH000965_0	MR_DMH000965	OR_NID10569	Circular	Pipe	247	0.013	-3.50	-3.80	3.00		1	0.3	0.2
MR_DO000572	MR_DO000572	MR_DO000571	Circular	Pipe	43	0.013	-3.50	-4.00	4.00		1	0.3	0.2
MR_DO000574	MR_DO000574	MR_DO000650	Circular	Pipe	31	0.013	-4.00	-5.00	4.00		1	0.3	1.0
MR_DS001937	MR_DS001937	MR_DMH000615	Circular	Pipe	202	0.013	0.50	-0.50	1.25		1	0.3	0.2
MR_DS004112	MR_DS004112	MR_DS004794	Circular	Pipe	150	0.013	0.50	0.05	2.00		1	0.3	0.2
MR_DS004793	MR_DS004793	OR_DS004789	Circular	Pipe	28	0.013	-1.00	-2.00	2.00		1	0.3	0.2
MR_DS004794	MR_DS004794	MR_DS004793	Circular	Pipe	145	0.013	0.05	-0.50	2.00		1	0.3	0.7
MR_DS007382	MR_DS007382	MR_DS007386	Circular	Pipe	476	0.013	-0.20	-2.40	2.00		1	0.3	0.2
MR_DS007386	MR_DS007386	MR_DS007387	Circular	Pipe	575	0.013	-2.40	-2.80	3.00		1	0.3	0.2
MR_DS007387	MR_DS007387	MR_DS007389	Circular	Pipe	599	0.013	-2.80	-3.10	3.00		1	0.3	0.2
MR_DS007389	MR_DS007389	MR_DS007425	Circular	Pipe	232	0.013	-3.10	-3.30	3.00		1	0.3	0.2
MR_DS007425	MR_DS007425	MR_DMH000965	Circular	Pipe	76	0.013	-3.30	-3.50	3.00		1	0.3	0.2
MR_NID10031	MR_NID10031	MR_DO000573	Circular	Pipe	242	0.013	-2.00	-3.50	3.50		1	0.3	0.2
NC_DMH000174	NC_DMH000174	NC_DMH000175	Circular	Pipe	409	0.013	-1.00	-2.00	3.50		1	0.3	0.2
NC_DMH000175	NC_DMH000175	LB_DMH000177	Circular	Pipe	340	0.013	-2.00	-2.50	4.00		1	0.3	0.2
NC_DMH000178	NC_DMH000178	NC_DS005012	Circular	Pipe	220	0.013	-3.70	-4.00	4.50		1	0.3	0.2
NC_DMH000179	NC_DMH000179	NC_DMH000181	Circular	Pipe	165	0.013	-4.30	-4.50	4.50		1	0.3	0.2
NC_DMH000181	NC_DMH000181	NC_DMH000182	Circular	Pipe	252	0.013	-4.50	-5.00	4.50		1	0.3	0.2
NC_DMH000182	NC_DMH000182	NC_CHC98325	Circular	Pipe	181	0.013	-5.00	-6.00	4.50		1	0.3	1.0
NC_DMH000185	NC_DMH000185	OH_DMH000186	Circular	Pipe	172	0.013	-3.00	-3.40	3.00		1	0.3	0.2
NC_DMH000187	NC_DMH000187	NC_DMH000185	Circular	Pipe	28	0.013	-2.90	-3.00	3.00		1	0.3	0.2
NC_DMH000192	NC_DMH000192	NC_DMH000187	Circular	Pipe	30	0.013	-2.50	-2.90	1.25		1	0.3	0.5
NC_DMH000478	NC_DMH000478	NC_DMH000479	Circular	Pipe	278	0.013	-3.00	-3.30	4.50		1	0.3	0.2
NC_DMH000479	NC_DMH000479	NC_DMH000178	Circular	Pipe	327	0.013	-3.30	-3.70	4.50		1	0.3	0.2
NC_DMH001509	NC_DMH001509	NC_DS008329	Circular	Pipe	117	0.013	3.32	3.02	2.00		1	0.3	0.4
NC_DMH001510	NC_DMH001510	NC_DS008029	Circular	Pipe	194	0.024	4.77	4.55	2.00		1	0.3	0.4
NC_DO000166	NC_DS005029	NC_CHC98325	Circular	Pipe	111	0.013	-1.00	-2.00	1.50		1	0.3	1.0
NC_DS000464	NC_DS000464	NC_DO000267	Circular	Pipe	35	0.013	4.00	3.70	1.50		1	0.3	0.5
NC_DS000617	NC_DS000617	NC_DS003196	Circular	Pipe	50	0.013	6.50	6.00	1.25		1	0.3	0.5
NC_DS000618_1	NC_DS000617	NC_DS000618	Circular	Pipe	66	0.013	6.50	6.00	1.25		1	0.3	0.2
NC_DS000618_2	NC_DS000618	NC_DS000630	Circular	Pipe	50	0.013	6.00	5.50	1.25		1	0.3	0.2
NC_DS000619	NC_DS000619	NC_DS003197	Circular	Pipe	59	0.013	5.00	4.50	1.25		1	0.3	0.5
NC_DS000630	NC_DS000630	NC_DS000619	Circular	Pipe	84	0.013	5.50	5.00	1.25		1	0.3	0.7
NC_DS002802	NC_DS002802	NC_DS002808	Circular	Pipe	27	0.024	0.00	0.00	1.00		1	0.3	0.2
NC_DS002805	NC_DS002805	NC_DS002806	Circular	Pipe	27	0.024	0.00	0.00	1.50		1	0.3	0.2
NC_DS002806	NC_DS002806	NC_DS004980	Circular	Pipe	134	0.024	0.00	0.00	1.50		1	0.3	0.2
NC_DS002807	NC_DS002807	NC_DS002805	Circular	Pipe	128	0.024	0.00	0.00	1.50		1	0.3	0.2
NC_DS002808	NC_DS002808	NC_DS002807	Circular	Pipe	250	0.024	0.00	0.00	1.50		1	0.3	0.2
NC_DS002818	NC_DS002818	NC_DS002807	Circular	Pipe	34	0.024	0.00	0.00	1.00		1	0.3	0.2
NC_DS003196	NC_DS003196	NC_DS003200	Circular	Pipe	63	0.013	6.00	5.50	1.25		1	0.3	0.7
NC_DS003197	NC_DS003197	NC_DS008329	Circular	Pipe	58	0.024	4.50	4.00	1.25		1	0.3	0.7
NC_DS003200	NC_DS003200	NC_DMH001509	Circular	Pipe	63	0.013	5.42	5.32	2.00		1	0.3	0.2
NC_DS003203	NC_DS003203	HG_DMH001498	Circular	Pipe	79	0.013	2.00	1.50	1.25		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS004604	NC_DS004604	NC_DO000354	Circular	Pipe	35	0.024	0.00	0.00	1.25		8	0.3	0.5
NC_DS004980	NC_DS004980	NC_DS002812	Circular	Pipe	119	0.024	-5.00	-5.00	1.50		1	0.3	0.2
NC_DS004982	NC_DS004982	NC_CHC98330	Circular	Pipe	88	0.024	-1.00	-2.00	1.00		1	0.3	1.0
NC_DS004983	NC_DS004983	NC_CHC98330	Circular	Pipe	86	0.013	-1.00	-2.00	1.00		1	0.3	1.0
NC_DS004986	NC_DS004986	NC_CHC98330	Circular	Pipe	119	0.024	0.50	-2.00	1.00		1	0.3	1.0
NC_DS004996	NC_DS004996	NC_DMH000175	Circular	Pipe	48	0.013	-1.00	-2.00	1.25		3	0.3	0.5
NC_DS005012	NC_DS005012	NC_DMH000179	Circular	Pipe	161	0.013	-4.00	-4.30	4.50		1	0.3	0.2
NC_DS005013	NC_DS005013	NC_DS008609	Circular	Pipe	42	0.024	-2.50	-2.90	1.00		1	0.3	0.6
NC_DS005016	NC_DS005016	NC_DMH000182	Circular	Pipe	116	0.013	-3.00	-4.00	1.25		1	0.3	0.4
NC_DS005021	NC_DS005021	NC_DS005026	Circular	Pipe	29	0.013	-1.00	-1.50	1.25		1	0.3	0.7
NC_DS005023_1	NC_DS005023	NC_CHC98330	Circular	Pipe	209	0.024	-1.00	-2.00	1.50		1	0.3	1.0
NC_DS005023_2	NC_DS005023	NC_DS005494	Circular	Pipe	33	0.024	-0.90	-1.00	1.50		1	0.3	0.4
NC_DS005024	NC_DS005024	PKE_NID10058	Circular	Pipe	67	0.013	-1.00	-1.50	1.25		1	0.3	0.7
NC_DS005025	NC_DS005025	NC_DMH000192	Circular	Pipe	39	0.013	-2.00	-2.50	1.25		1	0.3	0.5
NC_DS005026	NC_DS005026	NC_DS005025	Circular	Pipe	33	0.013	-1.50	-2.00	1.25		1	0.3	0.2
NC_DS005032	NC_DS005032	NC_CHC98331	Circular	Pipe	75	0.013	-1.00	-2.00	1.00		1	0.3	1.0
NC_DS005033	NC_DS005033	NC_CHC98331	Circular	Pipe	34	0.013	1.39	-1.00	0.50		1	0.3	1.0
NC_DS005036	NC_DS005036	NC_CHC98331	Circular	Pipe	110	0.024	1.82	1.82	2.50		1	0.3	1.0
NC_DS005037	NC_DS005037	NC_CHC98331	Circular	Pipe	130	0.013	0.73	-1.00	1.00		1	0.3	1.0
NC_DS005038	NC_DS005038	NC_CHC98332	Circular	Pipe	128	0.013	0.42	-2.00	2.00		1	0.3	1.0
NC_DS005045	NC_DS005045	NC_CHC98332	Circular	Pipe	131	0.024	-1.00	-2.00	1.25		1	0.3	1.0
NC_DS005046	NC_DS005046	NC_CHC98332	Circular	Pipe	141	0.024	-1.00	-2.00	1.25		1	0.3	1.0
NC_DS005047	NC_DS005047	NC_CHC98332	Circular	Pipe	118	0.011	-1.00	-2.00	1.00		1	0.3	1.0
NC_DS005053	NC_DS005053	NC_CHC98332	Circular	Pipe	93	0.024	-1.00	-2.00	1.50		1	0.3	1.0
NC_DS005054	NC_DS005054	NC_DS005038	Circular	Pipe	352	0.024	-5.00	0.42	2.00		1	0.3	0.7
NC_DS005056	NC_DS005056	NC_DS005053	Circular	Pipe	198	0.024	-0.50	-1.00	1.00		1	0.3	0.6
NC_DS005059	NC_DS005059	NC_CHC98333	Circular	Pipe	274	0.024	-1.00	-2.00	1.25		1	0.3	1.0
NC_DS005060	NC_DS005060	NC_DS005054	Circular	Pipe	145	0.013	-4.48	-5.08	2.50		1	0.3	0.2
NC_DS005062	NC_DS005062	NC_CHC98339	Circular	Pipe	112	0.013	-1.00	-2.00	1.00		1	0.3	1.0
NC_DS005063	NC_DS005063	NC_CHC98339	Circular	Pipe	118	0.013	-0.65	-2.00	0.50		1	0.3	1.0
NC_DS005070	NC_DS005070	NC_DS005060	Circular	Pipe	231	0.013	-4.43	-4.48	2.00		1	0.3	0.2
NC_DS005084	NC_DS005084	NC_DS005056	Circular	Pipe	94	0.024	-0.30	-0.50	1.00		1	0.3	0.2
NC_DS005087	NC_DS005087	NC_CHC98335	Circular	Pipe	122	0.013	-1.00	-2.00	1.00		1	0.3	1.0
NC_DS005099	NC_DS005099	NC_CHC98335	Circular	Pipe	118	0.024	-1.00	-2.00	1.25		1	0.3	1.0
NC_DS005102	NC_DS005102	NC_CHC98336	Circular	Pipe	125	0.024	-1.00	-2.00	1.00		2	0.3	1.0
NC_DS005104	NC_DS005104	NC_CHC98336	Circular	Pipe	50	0.013	0.79	-2.00	1.00		1	0.3	1.0
NC_DS005105	NC_DS005105	NC_CHC98338	Circular	Pipe	49	0.013	0.49	-2.00	1.00		1	0.3	1.0
NC_DS005107	NC_DS005107	NC_CHC98338	Circular	Pipe	51	0.013	0.50	-2.00	1.00		1	0.3	1.0
NC_DS005113	NC_DS005113	NC_CHC98339	Circular	Pipe	115	0.013	-1.00	-2.00	1.25		2	0.3	1.0
NC_DS005199	NC_DS005199	NC_DMH000478	Circular	Pipe	46	0.013	0.00	-1.00	1.25		1	0.3	0.5
NC_DS005200	NC_DS005200	NC_DMH000178	Circular	Pipe	41	0.013	-1.00	-2.00	1.25		1	0.3	0.7
NC_DS005480	NC_DS005480	NC_DO000155	Circular	Pipe	33	0.024	0.00	-2.00	1.25		1	0.3	0.5
NC_DS005492	NC_DS005492	NC_CHC98325	Circular	Pipe	110	0.013	2.01	-1.00	0.50		1	0.3	1.0
NC_DS005494	NC_DS005494	NC_CHC98325	Circular	Pipe	100	0.024	-1.00	-2.00	1.50		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS005496	NC_DS005496	NC_DMH000179	Circular	Pipe	67	0.024	-3.00	-4.00	1.00		1	0.3	0.7
NC_DS005511	NC_DS005511	NC_CHC98330	Circular	Pipe	98	0.013	0.48	-2.00	1.00		1	0.3	1.0
NC_DS005533	NC_DS005533	NC_CHC98331	Circular	Pipe	93	0.013	1.16	-1.00	0.50		1	0.3	1.0
NC_DS005541	NC_DS005541	NC_DO000174	Circular	Pipe	53	0.013	0.00	-2.00	1.25		1	0.3	0.5
NC_DS005547	NC_DS005547	NC_CHC98331	Circular	Pipe	69	0.013	1.99	-1.00	1.00		1	0.3	1.0
NC_DS005551	NC_DS005551	NC_CHC98332	Circular	Pipe	94	0.013	0.60	-1.00	0.50		1	0.3	1.0
NC_DS005572	NC_DS005572	HG_DMH001493	Circular	Pipe	95	0.013	1.50	1.00	1.00		2	0.3	0.6
NC_DS005575	NC_DS005575	NC_DS005084	Circular	Pipe	34	0.024	-0.20	-0.30	1.00		2	0.3	0.7
NC_DS005576	NC_DS005576	NC_DO000190	Circular	Pipe	25	0.013	0.00	-2.00	1.50		1	0.3	0.5
NC_DS005631	NC_DS005631	PKE_DO000475	Circular	Pipe	80	0.013	4.00	2.50	1.50		10	0.3	0.5
NC_DS005633	NC_DS005633	NC_CHC98339	Circular	Pipe	30	0.013	3.00	-2.00	1.50		2	0.3	1.0
NC_DS005662	NC_DS005662	NC_DS005730	Circular	Pipe	205	0.013	-1.69	-1.57	2.50		1	0.3	0.7
NC_DS005730	NC_DS005730	NC_DS007101	Circular	Pipe	140	0.013	-1.53	-1.53	3.00		1	0.3	1.0
NC_DS005734	NC_DS005734	NC_DS007101	Circular	Pipe	166	0.013	-2.08	-2.08	2.50		1	0.3	1.0
NC_DS005736	NC_DS005736	NC_DS005734	Circular	Pipe	26	0.013	-2.08	-2.08	2.50		1	0.3	0.2
NC_DS005744	NC_DS005744	NC_DO000327	Circular	Pipe	43	0.024	0.50	0.00	1.50		1	0.3	0.5
NC_DS005869	NC_DS005869	NC_DS005744	Circular	Pipe	55	0.024	1.00	0.50	1.50		1	0.3	0.7
NC_DS005870	NC_DS005870	NC_DS005869	Circular	Pipe	35	0.024	1.50	1.00	1.50		1	0.3	0.2
NC_DS005893	NC_DS005893	NC_DO000340	Circular	Pipe	35	0.024	4.00	3.00	1.25		4	0.3	0.5
NC_DS005896	NC_DS005896	NC_DO000343	Circular	Pipe	26	0.013	-1.00	-2.00	1.25		8	0.3	0.5
NC_DS006043_1	NC_DS006043	NC_DO000088	Circular	Pipe	51	0.013	-1.00	-2.00	2.00		2	0.3	0.5
NC_DS006043_2	NC_DS006043	NC_DO000547	Circular	Pipe	64	0.013	-1.00	-2.00	2.00		2	0.3	0.5
NC_DS008022	NC_DS008022	HG_DMH001499	Circular	Pipe	78	0.013	4.00	3.50	1.50		1	0.3	0.7
NC_DS008025	NC_DS008025	HG_DMH001501	Circular	Pipe	74	0.013	4.50	4.00	1.50		1	0.3	0.7
NC_DS008029	NC_DS008029	HG_DMH001503	Circular	Pipe	181	0.024	3.32	3.22	2.00		1	0.3	0.6
NC_DS008120	NC_DS008120	NC_CHC98332	Circular	Pipe	135	0.013	1.08	-2.00	1.00		1	0.3	1.0
NC_DS008329	NC_DS008329	NC_DMH001510	Circular	Pipe	201	0.024	4.17	4.77	2.00		1	0.3	0.2
NC_DS008544	NC_DS008544	NC_DS005200	Circular	Pipe	11	0.013	-0.90	-1.00	1.25		1	0.3	0.6
NC_DS008545	NC_DS008545	NC_DS005199	Circular	Pipe	10	0.013	0.10	0.00	1.25		1	0.3	0.2
NC_DS008609	NC_DS008609	NC_DS005496	Circular	Pipe	18	0.024	-2.90	-3.00	1.00		1	0.3	0.2
NC_NID11036	NC_NID11036	NC_CHC98338	Circular	Pipe	38	0.013	-2.00	-3.00	1.50		1	0.5	1.0
NC_NID11038GM	NC_NID11038	NC_VCD000071	Circular	Pipe	25	0.024	-0.50	-1.00	2.00		1	0.5	0.5
NC_NID11038IN	NC_NID11038	NC_PS000003	Circular	Pipe	10	0.013	-5.50	-5.40	2.50		1	0.5	1.0
NC_NID11089	NC_NID11089	NC_CHC98331	Circular	Pipe	101	0.013	0.88	-1.00	0.50		1	0.3	1.0
NC_VCD000060	NC_DS008411	NC_DS008545	Circular	Pipe	120	0.013	0.50	0.10	1.25		1	0.3	0.5
NC_VCD000061	NC_VCD000061	NC_DS008544	Circular	Pipe	121	0.013	0.00	-0.90	1.25		1	0.3	0.6
OH_DMH000164	OH_DMH000164	NC_CHC98325	Circular	Pipe	158	0.013	-3.70	-4.00	3.00		1	0.3	1.0
OH_DMH000184	OH_DMH000184	OH_DMH000164	Circular	Pipe	122	0.013	-3.50	-3.70	3.00		1	0.3	0.2
OH_DMH000186	OH_DMH000186	OH_DMH000184	Circular	Pipe	64	0.013	-3.40	-3.50	3.00		1	0.3	0.2
OH_DMH000472	OH_DMH000472	OH_DO000441	Circular	Pipe	21	0.013	1.70	1.50	1.50		1	0.3	0.5
OH_DMH000625	OH_DMH000625	OH_DS003482	Circular	Pipe	87	0.013	-0.03	0.00	2.50		1	0.3	0.7
OH_DMH000627_1	OH_DMH000627	OH_DS005387	Circular	Pipe	78	0.024	1.70	1.50	1.25		1	0.3	0.2
OH_DMH000627_2	OH_DS008295	OH_DMH000627	Circular	Pipe	102	0.013	2.00	1.70	1.25		1	0.3	0.2
OH_DMH000635	OH_DMH000635	OH_DS006864	Circular	Pipe	160	0.024	-0.23	-0.18	2.50		1	0.3	0.7

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DM000835	OH_DM000835	OH_DS002792	Circular	Pipe	180	0.013	-2.00	-2.50	2.00		1	0.3	0.2
OH_DM000975	OH_DM000975	OH_DS001165	Circular	Pipe	22	0.024	0.50	0.00	1.25		1	0.3	0.2
OH_DM001548	OH_DM001548	OH_DS004800	Circular	Pipe	132	0.024	1.20	1.00	1.25		1	0.3	0.7
OH_DO000669	OH_DO000669	OH_DO000668	Circular	Pipe	67	0.013	2.60	2.50	2.00		1	0.5	0.5
OH_DO000733	OH_DO000733	OH_DS001249	Circular	Pipe	191	0.013	1.70	1.50	1.25		1	0.3	0.7
OH_DO000756	OH_DO000756	OH_DS008015	Circular	Pipe	27	0.013	-4.00	-4.10	3.00		1	0.5	0.2
OH_DS000814	OH_DS000814	OH_DO000756	Circular	Pipe	34	0.011	0.00	-1.00	2.25		1	0.3	1.0
OH_DS000815	OH_DS000815	OH_DM000472	Circular	Pipe	158	0.011	2.00	1.70	1.50		1	0.3	0.7
OH_DS001155	OH_DS001155	OH_DS001156	Circular	Pipe	85	0.013	0.00	0.00	1.25		1	0.3	0.5
OH_DS001156	OH_DS001156	OH_DS001160	Circular	Pipe	275	0.013	0.00	0.00	1.25		1	0.3	0.2
OH_DS001160	OH_DS001160	OH_DS001159	Circular	Pipe	253	0.013	0.00	0.00	1.25		1	0.3	0.2
OH_DS001164	OH_DS001164	OH_DM000975	Circular	Pipe	56	0.024	1.00	0.50	1.25		1	0.3	0.7
OH_DS001165	OH_DS001165	OH_CHC98316	Circular	Pipe	68	0.024	0.00	-2.00	1.25		1	0.3	1.0
OH_DS001167	OH_DS001167	OH_DM000975	Circular	Pipe	61	0.024	1.00	0.50	1.25		1	0.3	0.2
OH_DS001182	OH_DS001182	OH_DS006835	Circular	Pipe	67	0.013	0.00	0.00	1.25		1	0.3	0.2
OH_DS001248_1	OH_DS001248	OH_DO000734	Circular	Pipe	42	0.011	1.52	1.52	2.00		1	0.3	0.7
OH_DS001248_2	OH_DS001248	OH_DS006505	Circular	Pipe	78	0.011	1.52	1.47	2.00		1	0.3	0.2
OH_DS001249	OH_DS001249	OH_DS006862	Circular	Pipe	110	0.013	1.50	1.42	1.50		1	0.3	0.7
OH_DS001250	OH_DS001250	OH_DS001251	Circular	Pipe	122	0.024	0.20	0.00	2.50		1	0.3	0.2
OH_DS001251	OH_DS001251	OH_DS006864	Circular	Pipe	124	0.024	-0.18	0.00	2.50		1	0.3	0.7
OH_DS002792	OH_DS002792	NC_DM000187	Circular	Pipe	201	0.013	-2.50	-2.90	3.00		1	0.3	0.2
OH_DS003303	OH_DS003303	OH_DS003304	Circular	Pipe	283	0.011	1.00	-1.00	1.25		1	0.3	0.2
OH_DS003304	OH_DS003304	OH_DO000756	Circular	Pipe	54	0.011	-1.00	-2.00	1.25		1	0.3	1.0
OH_DS003305	OH_DS003305	OH_DO000756	Circular	Pipe	48	0.024	-0.58	-0.58	3.50		1	0.3	1.0
OH_DS003449	OH_DS003449	OH_DS003448	Circular	Pipe	152	0.024	0.10	0.20	1.25		1	0.3	0.7
OH_DS003451	OH_DS003451	OH_DS003452	Circular	Pipe	295	0.024	0.00	-0.90	1.25		1	0.3	0.7
OH_DS003452_1	OH_DS003452	OH_DO000673	Circular	Pipe	46	0.013	-0.93	-0.90	2.00		1	0.3	1.0
OH_DS003452_2	OH_DS003453	OH_DS003452	Circular	Pipe	281	0.024	0.00	-0.90	1.25		1	0.3	0.5
OH_DS003453	OH_DS003454	OH_DS003453	Circular	Pipe	260	0.024	0.27	0.00	1.25		1	0.3	0.2
OH_DS003454_1	OH_DS003448	OH_DS003454	Circular	Pipe	308	0.024	0.20	0.27	1.25		1	0.3	0.7
OH_DS003454_2	OH_DS003454	OH_DO000672	Circular	Pipe	67	0.013	0.27	0.27	2.00		1	0.3	1.0
OH_DS003456	OH_DS003456	OH_DS003477	Circular	Pipe	99	0.013	-1.75	-1.96	3.50		1	0.3	0.2
OH_DS003457	OH_DS003457	OH_DM000625	Circular	Pipe	39	0.013	0.27	-0.03	2.50		1	0.3	0.5
OH_DS003458	OH_DS003458	OH_DS003457	Circular	Pipe	139	0.013	0.39	0.22	2.50		1	0.3	0.2
OH_DS003468	OH_DS003468	OH_DS003469	Circular	Pipe	138	0.024	0.17	0.22	2.00		1	0.3	0.7
OH_DS003469_1	OH_DS003469	OH_DS003470	Circular	Pipe	66	0.024	0.22	0.41	1.25		1	0.3	0.7
OH_DS003469_2	OH_DS003469	OH_DS003487	Circular	Pipe	408	0.024	0.22	0.57	1.25		1	0.3	0.7
OH_DS003470_1	OH_DS003470	OH_DS003451	Circular	Pipe	303	0.024	0.41	0.00	1.25		1	0.3	0.2
OH_DS003470_2	OH_DS003470	OH_DO000692	Circular	Pipe	50	0.013	0.41	0.41	2.00		1	0.3	1.0
OH_DS003471	OH_DS003471	OH_DS003488	Circular	Pipe	48	0.013	-2.62	-2.45	3.50		1	0.3	0.7
OH_DS003472	OH_DS003472	OH_DS003471	Circular	Pipe	77	0.013	-2.52	-2.60	3.50		1	0.3	0.4
OH_DS003474	OH_DS003474	OH_DS003472	Circular	Pipe	104	0.013	-2.38	-2.31	3.50		1	0.3	0.2
OH_DS003476	OH_DS003476	OH_DS003474	Circular	Pipe	99	0.013	-2.08	-2.36	3.50		1	0.3	0.2
OH_DS003477	OH_DS003477	OH_DS006819	Circular	Pipe	101	0.013	-1.97	-2.08	3.50		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS003478	OH_DS003478	OH_DS003456	Circular	Pipe	200	0.013	-1.96	-1.79	3.00		1	0.3	0.6
OH_DS003479	OH_DS003479	OH_DS003478	Circular	Pipe	208	0.013	-1.47	-1.91	3.00		1	0.3	0.4
OH_DS003480	OH_DS003480	OH_DS003479	Circular	Pipe	46	0.013	-1.54	-1.47	3.00		1	0.3	0.2
OH_DS003481	OH_DS003481	OH_DS003480	Circular	Pipe	260	0.013	-1.39	-1.54	3.00		1	0.3	0.2
OH_DS003482_1	OH_DS003482	OH_DS003481	Circular	Pipe	126	0.013	-0.58	-1.78	3.00		1	0.3	0.7
OH_DS003482_2	OH_DS003482	OH_DS003449	Circular	Pipe	169	0.013	0.00	0.10	1.25		1	0.3	0.2
OH_DS003484	OH_DS003484	OH_DS006836	Circular	Pipe	152	0.024	0.08	-2.95	2.00		1	0.3	0.7
OH_DS003485	OH_DS003485	OH_DS006836	Circular	Pipe	114	0.013	-2.92	-2.95	3.50		1	0.3	0.5
OH_DS003486_1	OH_DS003486	OH_DS003468	Circular	Pipe	205	0.024	0.12	0.19	2.00		1	0.3	0.5
OH_DS003486_2	OH_DS003486	OH_DS003484	Circular	Pipe	187	0.024	0.14	0.09	2.00		1	0.3	0.2
OH_DS003487	OH_DS003487	OH_DO000693	Circular	Pipe	49	0.013	0.57	0.57	2.00		1	0.3	1.0
OH_DS003488	OH_DS003488	OH_DS003485	Circular	Pipe	99	0.013	-2.45	-2.92	3.50		1	0.3	0.6
OH_DS003495	OH_DS003495	OH_CC10998402	Circular	Pipe	45	0.013	-1.00	-2.00	1.50		1	0.5	1.0
OH_DS003497	OH_DS003497	OH_DS008260	Circular	Pipe	36	0.013	-0.10	0.00	2.00		1	0.3	0.7
OH_DS003498_1	OH_DS003498	OH_DS008289	Circular	Pipe	94	0.013	-1.33	-4.00	4.00		1	0.3	0.2
OH_DS003498_2	OH_DS003498	OH_DS007474	Circular	Pipe	200	0.024	-0.33	-0.38	3.00		1	0.3	0.7
OH_DS003944	OH_DS003944	OH_DS007474	Circular	Pipe	70	0.024	-0.58	-0.58	2.50		1	0.3	0.7
OH_DS003945	OH_DS003945	OH_DS004152	Circular	Pipe	36	0.024	1.00	0.87	1.50		1	0.3	0.7
OH_DS004150	OH_DS004150	OH_DS003944	Circular	Pipe	112	0.024	0.77	-0.58	2.50		1	0.3	0.7
OH_DS004151	OH_DS004151	OH_DS004152	Circular	Pipe	77	0.024	1.00	0.87	1.50		1	0.3	0.7
OH_DS004152	OH_DS004152	OH_DS004150	Circular	Pipe	290	0.024	0.87	0.77	2.00		1	0.3	0.6
OH_DS004800	OH_DS004800	OH_DS004808	Circular	Pipe	103	0.013	0.96	0.88	2.50		1	0.3	0.2
OH_DS004801	OH_DS004801	OH_DS004800	Circular	Pipe	229	0.013	1.50	1.00	1.75		1	0.3	0.2
OH_DS004802	OH_DS004802	OH_DS006756	Circular	Pipe	165	0.013	-0.38	-0.55	3.00		1	0.3	0.4
OH_DS004804	OH_DS004804	OH_DS004808	Circular	Pipe	109	0.013	0.60	0.48	1.25		1	0.3	0.7
OH_DS004805	OH_DS004805	OH_DS004804	Circular	Pipe	57	0.013	0.80	0.60	1.25		1	0.3	0.2
OH_DS004806	OH_DS004806	OH_DS004811	Circular	Pipe	135	0.013	0.20	0.11	1.50		1	0.3	0.7
OH_DS004807	OH_DS004807	OH_DS004806	Circular	Pipe	63	0.013	0.50	0.20	1.25		1	0.3	0.2
OH_DS004808	OH_DS004808	OH_DS004809	Circular	Pipe	104	0.013	0.48	0.23	2.50		1	0.3	0.2
OH_DS004809	OH_DS004809	OH_DS004811	Circular	Pipe	105	0.013	0.24	0.17	2.50		1	0.3	0.2
OH_DS004811	OH_DS004811	OH_DS004812	Circular	Pipe	103	0.013	0.11	0.10	2.50		1	0.3	0.2
OH_DS004812	OH_DS004812	OH_DS004814	Circular	Pipe	102	0.013	0.08	-0.14	2.50		1	0.3	0.2
OH_DS004814	OH_DS004814	OH_DS004815	Circular	Pipe	69	0.013	-0.15	-0.23	2.50		1	0.3	0.2
OH_DS004815	OH_DS004815	OH_DS004802	Circular	Pipe	114	0.013	-0.16	-0.23	2.50		1	0.3	0.2
OH_DS005356	OH_DS005356	OH_DS006069	Circular	Pipe	245	0.024	-0.50	-1.68	1.25		1	0.3	0.2
OH_DS005386	OH_DS005386	OH_DS005356	Circular	Pipe	301	0.024	0.50	-0.50	1.25		1	0.3	0.2
OH_DS005387	OH_DS005387	OH_DS005386	Circular	Pipe	298	0.024	1.50	0.50	1.50		1	0.3	0.2
OH_DS005407	OH_DS005407	OH_DS006808	Circular	Pipe	52	0.024	-1.50	-1.68	1.25		1	0.3	0.7
OH_DS006069	OH_DS006069	OH_DO000678	Circular	Pipe	305	0.013	-1.68	-1.68	2.50		1	0.3	1.0
OH_DS006242	OH_DS006242	OH_DS006255	Circular	Pipe	202	0.013	-1.20	-1.50	2.00		1	0.3	0.2
OH_DS006244	OH_DS006244	OH_DS006247	Circular	Pipe	200	0.013	-0.60	-0.90	2.00		1	0.3	0.2
OH_DS006247	OH_DS006247	OH_DS006242	Circular	Pipe	242	0.013	-0.90	-1.20	2.00		1	0.3	0.2
OH_DS006248	OH_DS006248	OH_DS006876	Circular	Pipe	96	0.013	0.00	0.00	2.00		1	0.3	0.2
OH_DS006255	OH_DS006255	OH_DS006238	Circular	Pipe	298	0.013	-1.50	-2.00	2.00		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS006262	OH_DS006262	OH_NID15958	Circular	Pipe	25	0.013	0.40	0.20	1.25		1	0.3	0.6
OH_DS006275	OH_DS006275	OH_DS006244	Circular	Pipe	301	0.013	-0.20	-0.60	2.00		1	0.3	0.2
OH_DS006282	OH_DS006282	OH_DS006275	Circular	Pipe	297	0.013	0.00	-0.20	2.00		1	0.3	0.2
OH_DS006283	OH_DS006283	OH_CHC98324	Circular	Pipe	122	0.024	0.00	0.00	1.00		2	0.3	1.0
OH_DS006500	OH_DS006500	OH_DS006501	Circular	Pipe	157	0.011	1.50	1.20	1.25		1	0.3	0.2
OH_DS006501	OH_DS006501	OH_DS006502	Circular	Pipe	146	0.011	1.20	0.92	1.25		1	0.3	0.5
OH_DS006502	OH_DS006502	OH_DS006511	Circular	Pipe	89	0.011	0.92	0.82	2.25		1	0.3	0.2
OH_DS006503	OH_DS006503	OH_DS006502	Circular	Pipe	193	0.011	1.12	1.02	2.25		1	0.3	0.2
OH_DS006504	OH_DS006504	OH_DS006503	Circular	Pipe	150	0.011	1.27	1.17	2.25		1	0.3	0.2
OH_DS006505	OH_DS006505	OH_DS006504	Circular	Pipe	285	0.011	1.42	1.32	2.00		1	0.3	0.2
OH_DS006506	OH_DS006506	OH_DS008259	Circular	Pipe	174	0.011	0.20	0.12	1.25		1	0.3	0.2
OH_DS006509_1	OH_DS006509	OH_DS003303	Circular	Pipe	47	0.011	1.42	1.00	1.25		1	0.3	0.2
OH_DS006509_2	OH_DS006509	OH_DS006861	Circular	Pipe	63	0.024	1.42	1.27	2.00		1	0.3	0.2
OH_DS006511	OH_DS006511	OH_DS006513	Circular	Pipe	232	0.011	0.82	0.37	2.25		1	0.3	0.2
OH_DS006512	OH_DS006512	OH_DS008259	Circular	Pipe	126	0.011	0.20	0.12	1.25		1	0.3	0.2
OH_DS006513	OH_DS006513	OH_DS000814	Circular	Pipe	43	0.011	0.31	0.00	2.25		1	0.3	0.2
OH_DS006523	OH_DS006523	OH_DS003945	Circular	Pipe	23	0.024	1.10	1.00	1.50		1	0.3	0.5
OH_DS006524	OH_DS006524	OH_DS006523	Circular	Pipe	93	0.011	1.50	1.10	1.00		1	0.3	0.5
OH_DS006716	OH_DS006716	OH_DO000661	Circular	Pipe	75	0.013	0.00	0.00	1.50		1	0.3	0.5
OH_DS006719	OH_DS006719	BC_DM000972	Circular	Pipe	48	0.013	-2.00	-2.20	1.50		2	0.3	0.7
OH_DS006721	OH_DS006721	BC_DM000974	Circular	Pipe	45	0.024	-1.00	-1.50	1.50		1	0.3	0.7
OH_DS006734	OH_DS006734	OH_DS006737	Circular	Pipe	200	0.013	1.00	0.50	1.50		1	0.3	0.2
OH_DS006737	OH_DS006737	OH_DS006740	Circular	Pipe	251	0.013	0.50	0.00	1.50		1	0.3	0.2
OH_DS006740	OH_DS006740	OH_DS006742	Circular	Pipe	245	0.013	0.00	-0.50	1.50		1	0.3	0.2
OH_DS006742	OH_DS006742	OH_DS006765	Circular	Pipe	203	0.013	-0.50	-1.00	1.50		1	0.3	0.2
OH_DS006748	OH_DS006748	BC_DM000621	Circular	Pipe	82	0.013	0.10	0.00	1.25		1	0.3	0.6
OH_DS006752	OH_DS006752	OH_DO000668	Circular	Pipe	13	0.013	2.40	2.50	2.00		1	0.3	0.5
OH_DS006754	OH_DS006754	BC_DS006755	Circular	Pipe	100	0.013	2.00	1.00	1.25		4	0.3	0.7
OH_DS006756	OH_DS006756	OH_DS006759	Circular	Pipe	106	0.013	-0.59	-0.58	3.50		1	0.3	0.2
OH_DS006757	OH_DS006757	OH_DS006756	Circular	Pipe	160	0.013	0.00	-0.59	1.50		1	0.3	0.6
OH_DS006758	OH_DS006758	OH_DS006762	Circular	Pipe	161	0.013	-0.88	-0.98	3.50		1	0.3	0.2
OH_DS006759	OH_DS006759	OH_DS006758	Circular	Pipe	114	0.013	-0.58	-0.58	3.50		1	0.3	0.2
OH_DS006761	OH_DS006761	OH_DS006758	Circular	Pipe	136	0.013	-0.50	-0.88	1.50		1	0.3	0.7
OH_DS006762	OH_DS006762	OH_DO000678	Circular	Pipe	108	0.013	-6.68	-6.68	3.50		1	0.3	1.0
OH_DS006765	OH_DS006765	OH_DS006769	Circular	Pipe	300	0.013	-1.00	-2.00	1.50		1	0.3	0.2
OH_DS006769	OH_DS006769	OH_DS006774	Circular	Pipe	197	0.013	-2.00	-2.50	3.00		1	0.3	0.7
OH_DS006774	OH_DS006774	OH_DO000678	Circular	Pipe	64	0.013	-2.50	-3.00	3.00		1	0.3	1.0
OH_DS006802	OH_DS006802	OH_DS006835	Circular	Pipe	167	0.013	0.50	0.00	1.25		1	0.3	0.5
OH_DS006803	OH_DS006803	OH_DS006804	Circular	Pipe	69	0.013	-6.70	-7.02	4.50		1	0.3	0.2
OH_DS006804	OH_DS006804	OH_DO000678	Circular	Pipe	96	0.013	-6.87	-6.87	4.50		1	0.3	1.0
OH_DS006805	OH_DS006805	OH_DS006757	Circular	Pipe	61	0.013	0.50	0.00	1.25		1	0.3	0.2
OH_DS006806	OH_DS006806	OH_DS006761	Circular	Pipe	60	0.013	0.00	-0.50	1.25		1	0.3	0.2
OH_DS006807	OH_DS006807	OH_DS006859	Circular	Pipe	115	0.013	-1.68	-1.68	4.00		1	0.3	1.0
OH_DS006808	OH_DS006808	OH_DS006807	Circular	Pipe	199	0.013	-1.68	-1.68	4.00		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS006809	OH_DS006809	OH_DS005407	Circular	Pipe	55	0.024	-1.00	-1.50	1.25		1	0.3	0.2
OH_DS006810	OH_DS006810	OH_DS005407	Circular	Pipe	157	0.024	-1.00	-1.50	1.25		1	0.3	0.7
OH_DS006811_1	OH_DO000678	OH_DS006811	Circular	Pipe	211	0.013	-4.00	-3.00	4.00		1	0.5	0.2
OH_DS006811_2	OH_DS006811	OH_DS006808	Circular	Pipe	198	0.013	-3.00	-1.68	4.00		1	0.3	0.2
OH_DS006819	OH_DS006819	OH_DS003476	Circular	Pipe	47	0.013	-1.95	-1.99	3.50		1	0.3	0.2
OH_DS006820	OH_DS006820	OH_DS006832	Circular	Pipe	97	0.024	0.53	0.43	2.00		1	0.3	0.4
OH_DS006821	OH_DS006821	OH_DS006820	Circular	Pipe	252	0.024	0.51	0.45	2.00		1	0.3	0.4
OH_DS006822	OH_DS006822	OH_DS006821	Circular	Pipe	149	0.024	0.51	0.53	2.00		1	0.3	0.2
OH_DS006823	OH_DS006823	OH_DS006803	Circular	Pipe	156	0.013	-6.45	-6.78	4.50		1	0.3	0.2
OH_DS006825	OH_DS006825	OH_DS006811	Circular	Pipe	76	0.024	-1.50	-1.70	1.25		1	0.3	1.4
OH_DS006826_1	OH_DS006826	OH_DS006825	Circular	Pipe	98	0.024	-1.20	-1.50	1.25		1	0.3	0.4
OH_DS006826_2	OH_DS006829	OH_DS006826	Circular	Pipe	84	0.024	-1.00	-1.20	1.25		1	0.3	0.7
OH_DS006827	OH_DS006827	OH_DS006826	Circular	Pipe	96	0.024	-1.00	-1.20	1.25		1	0.3	0.7
OH_DS006830_1	OH_DS006830	OH_DS006831	Circular	Pipe	96	0.013	-0.83	-0.89	2.50		1	0.3	0.2
OH_DS006830_2	OH_DS006830	OH_DS006827	Circular	Pipe	195	0.024	-0.73	-1.00	1.25		1	0.3	0.7
OH_DS006831	OH_DS006831	OH_DS006834	Circular	Pipe	93	0.013	-0.89	-0.97	3.00		1	0.3	0.2
OH_DS006832	OH_DS006832	OH_DS006830	Circular	Pipe	109	0.013	-0.76	-0.73	2.50		1	0.3	0.5
OH_DS006834	OH_DS006834	OH_DS006823	Circular	Pipe	97	0.013	-1.03	-2.50	3.50		1	0.3	0.7
OH_DS006835	OH_DS006835	OH_DS006832	Circular	Pipe	123	0.013	0.00	-0.76	1.50		1	0.3	0.2
OH_DS006836	OH_DS006836	OH_DS006823	Circular	Pipe	62	0.013	-2.95	-3.01	3.50		1	0.3	0.7
OH_DS006861	OH_DS006861	OH_DS003498	Circular	Pipe	334	0.024	-0.28	-0.33	3.00		1	0.3	0.7
OH_DS006862	OH_DS006862	OH_DM000635	Circular	Pipe	219	0.024	1.42	-0.23	2.50		1	0.3	0.7
OH_DS006864	OH_DS006864	OH_DS008265	Circular	Pipe	171	0.013	1.57	-0.20	1.50		1	0.3	0.2
OH_DS006868	OH_DS006868	OH_DO000739	Circular	Pipe	115	0.013	0.00	0.00	3.00		1	0.3	0.2
OH_DS006869	OH_DS006869	OH_DO000740	Circular	Pipe	34	0.013	0.00	0.00	2.00		1	0.3	0.2
OH_DS006870	OH_DS006870	OH_DS006868	Circular	Pipe	201	0.013	0.00	0.00	2.50		1	0.3	0.2
OH_DS006871	OH_DS006871	OH_DS006869	Circular	Pipe	198	0.013	0.00	0.00	2.00		1	0.3	0.2
OH_DS006872	OH_DS006872	OH_DS006870	Circular	Pipe	100	0.013	0.00	0.00	2.50		1	0.3	0.2
OH_DS006873	OH_DS006873	OH_DS006871	Circular	Pipe	335	0.013	0.00	0.00	2.00		1	0.3	0.2
OH_DS006874	OH_DS006874	OH_NID11068	Circular	Pipe	85	0.024	0.00	0.00	1.25		1	0.3	0.2
OH_DS006876	OH_DS006876	OH_DS006872	Circular	Pipe	300	0.013	0.00	0.00	2.50		1	0.3	0.2
OH_DS007453	OH_DS007453	BC_DM000982	Circular	Pipe	96	0.013	4.50	4.00	1.50		1	0.3	0.2
OH_DS007457	OH_DS007457	OH_CC10998410	Circular	Pipe	220	0.013	-0.58	-0.60	2.00		1	0.3	1.0
OH_DS007468	OH_DS007468	OH_CC10998410	Circular	Pipe	200	0.013	-0.58	-0.58	2.00		1	0.3	1.0
OH_DS007474	OH_DS007474	OH_DS003305	Circular	Pipe	71	0.024	-0.58	-0.58	3.50		1	0.3	0.4
OH_DS008015	OH_DS008015DS	OH_CHC98319	Circular	Pipe	20	0.013	-4.10	-4.20	3.00		1	0.3	1.0
OH_DS008259	OH_DS008259	OH_DS003497	Circular	Pipe	58	0.024	0.12	-0.10	2.50		1	0.3	0.5
OH_DS008260	OH_DS008260	OH_DM000635	Circular	Pipe	51	0.013	0.00	-0.23	2.00		1	0.3	0.2
OH_DS008265_1	OH_DS008265	OH_DS008264	Circular	Pipe	129	0.013	-0.09	-0.20	3.00		1	0.3	0.7
OH_DS008265_2	OH_DS008264	OH_DS006861	Circular	Pipe	203	0.013	-0.20	-0.28	3.00		1	0.3	0.2
OH_DS008268_1	OH_DS008268	OH_DS004150	Circular	Pipe	39	0.024	1.00	0.77	1.50		1	0.3	0.2
OH_DS008268_2	OH_DS008268	OH_DS008280	Circular	Pipe	84	0.013	-0.50	-1.10	1.75		1	0.3	0.7
OH_DS008269	OH_DS008269	OH_DS008268	Circular	Pipe	142	0.013	-0.20	-0.50	2.00		1	0.3	0.2
OH_DS008270	OH_DS008270	OH_DS008269	Circular	Pipe	74	0.013	0.00	-0.20	1.25		1	0.3	0.2

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS008271	OH_DS008271	OH_DS008269	Circular	Pipe	48	0.013	0.00	-0.20	1.75		1	0.3	0.7
OH_DS008272	OH_DS008272	OH_DS008278	Circular	Pipe	104	0.013	1.00	0.50	1.75		1	0.3	0.5
OH_DS008275	OH_DS008275	OH_DS008272	Circular	Pipe	59	0.013	1.50	1.00	1.50		1	0.3	0.2
OH_DS008278	OH_DS008278	OH_DS008271	Circular	Pipe	113	0.013	0.50	0.00	1.75		1	0.3	0.5
OH_DS008280	OH_DS008280	OH_DS007474	Circular	Pipe	97	0.024	-1.10	-0.58	2.00		1	0.3	0.2
OH_DS008281	OH_DS008281	OH_DS003498	Circular	Pipe	55	0.013	0.83	-0.33	3.00		1	0.3	0.2
OH_DS008282	OH_DS008282	OH_DS008281	Circular	Pipe	248	0.013	1.35	0.83	2.50		1	0.3	0.2
OH_DS008283	OH_DS008283	OH_DS008282	Circular	Pipe	64	0.013	1.50	1.35	1.50		1	0.3	0.7
OH_DS008284	OH_DS008284	OH_DS008283	Circular	Pipe	146	0.013	2.00	1.50	1.25		1	0.3	0.2
OH_DS008285	OH_DS008285	OH_DS008284	Circular	Pipe	123	0.024	2.50	2.00	1.25		1	0.3	0.2
OH_DS008289	OH_DS008289	OH_DO000756	Circular	Pipe	22	0.013	-4.00	-4.93	4.00		1	0.3	1.0
OH_DS008295	OH_DS008295	OH_DS008296	Circular	Pipe	69	0.013	2.00	1.80	1.25		1	0.3	0.2
OH_DS008296	OH_DS008296	OH_DS008297	Circular	Pipe	85	0.013	1.80	1.70	1.25		1	0.3	0.2
OH_DS008297	OH_DS008297	OH_DS008300	Circular	Pipe	183	0.013	1.70	1.50	1.25		1	0.3	0.7
OH_DS008300	OH_DS008300	OH_DS008301	Circular	Pipe	59	0.013	1.50	1.40	1.25		1	0.3	0.2
OH_DS008301	OH_DS008301	OH_DMH001548	Circular	Pipe	72	0.013	1.40	1.20	1.25		1	0.3	0.7
OH_DS009053	OH_DS009053	OH_DS009055	Circular	Pipe	125	0.013	0.00	-1.00	2.50		1	0.3	0.5
OH_NID15956	OH_NID15956	OH_DS002791	Circular	Pipe	85	0.013	-0.80	-0.90	2.00		1	0.3	0.2
OH_NID15957	OH_NID15957	OH_NID15956	Circular	Pipe	41	0.013	-0.70	-0.80	2.00		1	0.3	0.2
OH_NID15958	OH_NID15958	OH_NID15957	Circular	Pipe	256	0.013	0.00	-0.70	2.00		1	0.3	0.2
OH_NID15959	OH_NID15959	OH_DS006262	Circular	Pipe	10	0.013	0.50	0.40	1.50		1	0.3	0.4
OH_NID15960_1	OH_NID15960	OH_DS006282	Circular	Pipe	159	0.013	0.20	0.00	1.50		1	0.3	0.2
OH_NID15960_2	OH_NID15960	OH_NID15959	Circular	Pipe	105	0.013	0.70	0.50	1.25		1	0.3	0.7
OR_DMH000578	OR_DMH000578	OR_DMH000969	Circular	Pipe	46	0.013	-3.45	-3.55	2.50		1	0.3	0.2
OR_DMH000579	OR_DMH000579	OR_DS001883	Circular	Pipe	244	0.013	-0.71	-0.94	3.00		1	0.3	0.2
OR_DMH000580	OR_DMH000580	OR_DMH000581	Circular	Pipe	118	0.013	-1.00	-1.87	1.50		1	0.3	0.2
OR_DMH000581	OR_DMH000581	OR_DO000581	Circular	Pipe	81	0.013	-3.31	-3.31	2.50		1	0.3	1.0
OR_DMH000582	OR_DMH000582	OR_DS001886	Circular	Pipe	270	0.013	0.28	-0.03	2.00		1	0.3	0.2
OR_DMH000583	OR_DMH000583	OR_DMH000582	Circular	Pipe	261	0.013	0.65	0.29	3.00		1	0.3	0.2
OR_DMH000947	OR_DMH000947	OR_DS002488	Circular	Pipe	102	0.013	-2.10	-2.50	2.00		1	0.3	0.2
OR_DMH000948	OR_DMH000948	OR_DS002595	Circular	Pipe	221	0.013	-1.28	-1.31	3.00		1	0.3	0.5
OR_DMH000966	OR_DMH000966	OR_DS002606	Circular	Pipe	101	0.013	-1.90	-2.50	2.00		1	0.3	0.2
OR_DMH000967	OR_DMH000967	OR_DMH000966	Circular	Pipe	16	0.013	-1.50	-1.90	2.00		1	0.3	0.7
OR_DMH000968	OR_DMH000968	OR_DS002647	Circular	Pipe	169	0.013	-1.18	-1.50	2.00		1	0.3	0.2
OR_DMH000969	OR_DMH000969	OR_DS002646	Circular	Pipe	193	0.013	-3.55	-3.65	2.50		1	0.3	0.2
OR_DO000581	OR_DO000581	OR_DMH000578	Circular	Pipe	39	0.013	-3.31	-3.45	2.50		1	0.3	0.2
OR_DO000634	OR_DO000630	OR_DS002610	Circular	Pipe	127	0.013	-3.00	-3.10	3.00		1	0.5	0.5
OR_DO000635	OR_DO000635	OR_DMH000947	Circular	Pipe	22	0.013	-1.50	-2.10	2.00		1	0.3	0.7
OR_DO000638	OR_DO000638	OR_DS002493	Circular	Pipe	123	0.013	-1.97	-1.50	3.00		1	0.5	0.2
OR_DS001883	OR_DS001883	OR_DMH000581	Circular	Pipe	80	0.013	-0.94	-1.87	2.50		1	0.3	0.2
OR_DS001886	OR_DS001886	OR_DMH000579	Circular	Pipe	226	0.013	-0.12	-0.70	3.00		1	0.3	0.2
OR_DS002484	OR_DS002484	OR_DO000638	Circular	Pipe	120	0.013	0.50	-2.00	2.00		1	0.3	1.0
OR_DS002488	OR_DS002488	OR_DS002489	Circular	Pipe	25	0.013	-2.50	-2.70	2.00		1	0.3	0.2
OR_DS002489	OR_DS002489	OR_DO000630	Circular	Pipe	133	0.013	-2.70	-3.50	2.00		1	0.3	1.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
OR_DS002500_02	OR_DS002500	OR_DS002648	Circular	Pipe	37	0.013	-3.75	-3.80	2.50		1	0.3	0.5
AL_DO000622	AL_DO000622	AL_DO000621	Elliptical	Pipe	115	0.013	1.90	1.85	1.00	1.50	1	0.5	0.5
BC_DMH000984	BC_DMH000984	BC_DMH000985	Elliptical	Pipe	296	0.013	3.00	2.80	1.17	1.92	1	0.3	0.2
BC_DMH000985	BC_DMH000985	BC_DS006751	Elliptical	Pipe	73	0.013	2.80	2.70	1.17	1.92	1	0.3	0.7
BC_DS006751_1	BC_DS006751	OH_DS006753	Elliptical	Pipe	97	0.013	2.70	2.60	0.83	2.50	1	0.3	0.2
BC_DS007454	BC_DS007454	BC_DMH000984	Elliptical	Pipe	11	0.013	3.10	3.00	1.00	1.50	1	0.3	0.5
EH_DS003507	EH_DS003507	EH_CC10998429	Elliptical	Pipe	177	0.013	-2.58	-2.58	1.17	2.50	1	0.3	1.0
EH_DS003508	EH_DS003508	EH_CC10998429	Elliptical	Pipe	177	0.013	-2.00	-2.60	1.17	2.50	1	0.3	1.0
EH_DS003544	EH_DS003544	EH_DS002686	Elliptical	Pipe	96	0.024	-3.14	-3.24	3.92	5.92	1	0.3	0.2
EH_DS004134	EH_DS004134	EH_DS004135	Elliptical	Pipe	389	0.013	-1.18	-1.18	2.83	4.42	1	0.3	0.2
EH_DS004135	EH_DS004135	EH_DS004139	Elliptical	Pipe	413	0.013	-1.18	-2.00	2.83	4.42	1	0.3	0.2
EH_DS004139	EH_DS004139	EH_CC10998420	Elliptical	Pipe	208	0.013	-2.00	-4.00	2.83	4.42	1	0.3	1.0
EH_DS004140	EH_DS004140	EH_DS003508	Elliptical	Pipe	52	0.013	-1.50	-2.00	1.17	2.50	1	0.3	0.2
EH_DS004141	EH_DS004141	EH_DS003507	Elliptical	Pipe	54	0.013	1.12	-2.58	1.17	2.50	1	0.3	0.5
HH_DMH001895_1	HH_DS009364	HH_DMH001895	Elliptical	Pipe	428	0.013	-2.78	-1.50	0.92	1.25	1	0.3	0.2
NC_DS005170	NC_DS005170	NC_DO000332	Elliptical	Pipe	304	0.024	-2.89	-2.89	3.00	4.83	1	0.3	0.5

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS005727_1	NC_DS005727	NC_DS005170	Elliptical	Pipe	282	0.024	-2.04	-2.83	3.00	4.83	1	0.3	0.5
NC_DS005727_2	NC_DS007101	NC_DS005727	Elliptical	Pipe	48	0.024	-2.32	-2.32	3.00	4.83	1	0.3	0.7
OH_DS002791	OH_DS002791	OH_DS009055	Elliptical	Pipe	22	0.013	-0.90	-1.00	1.58	2.50	1	0.3	0.5
OH_DS006753	OH_DS006753	OH_DO000668	Elliptical	Pipe	22	0.013	2.60	2.50	0.83	2.50	1	0.3	0.5
OH_DS007455	OH_DS007455	BC_DMH000984	Elliptical	Pipe	202	0.013	3.50	3.00	1.00	1.50	1	0.3	0.7
OH_DS009055	OH_DS009055DS	OH_CHC98324	Elliptical	Pipe	217	0.013	-2.00	-3.00	2.00		1	0.5	1.0
AL_BDCO98240	AL_CDCO98240	AL_CDCO98239	Irregular	Bridge	109		-8.30	-9.00					
BC_AGE999995	BC_AGE999995	BC_AGE999996	Irregular	Bridge	262		-13.00	-13.10					
BC_AGE999999	BC_AGE999999	BC_SFNR_OF2	Irregular	Bridge	349		-13.25	-13.30					
BC_BDCO98210	BC_CDCO98210	BC_CDCO98208	Irregular	Bridge	240		-9.90	-9.80					
BC_BDCO98220	BC_CDCO98220	BC_CDCO98219	Irregular	Bridge	100		-9.80	-9.90					
BC_BDCO98230	BC_CDCO98230	AL_AGE999992	Irregular	Bridge	84		-10.00	-9.90					
BC_BDCO98250	BC_C1198250	AL_CDCO98247	Irregular	Bridge	100		-8.20	-8.30					
BC_BHC98300	BC_CHC98300	BC_CDCO98215	Irregular	Bridge	100		-13.60	-13.50					
BC_BHC98305	BC_CHC98305	BC_CHC98304	Irregular	Bridge	100		-13.50	-13.60					
BC_BHC98310	BC_CHC98310	BC_CHC98309	Irregular	Bridge	100		-16.00	-16.10					
EH_BC10998422	EH_CC10998422	EH_CC10998420	Irregular	Bridge	100		-13.80	-13.90					
EH_BC10998425	EH_CC10998425	EH_CC10998424	Irregular	Bridge	100		-8.20	-8.10					
NC_BHC98325	NC_CHC98325	OH_CHC98324	Irregular	Bridge	125		-10.50	-10.60					
NC_BHC98330	NC_CHC98330	NC_CHC98329	Irregular	Bridge	100		-10.60	-10.50					
NC_BHC98335	NC_CHC98335	NC_CHC98334	Irregular	Bridge	100		-7.30	-7.20					
OH_BC10998401	OH_CC10998401	OH_CC10998400	Irregular	Bridge	100		-20.40	-20.30					
OH_BC10998405	OH_CC10998405	OH_CC10998402	Irregular	Bridge	200		-19.90	-20.00					
OH_BC10998410	OH_CC10998410	OH_CC10998409	Irregular	Bridge	100		-7.90	-7.80					
OH_BHC98320	OH_CHC98320	OH_CHC98319	Irregular	Bridge	100		-11.00	-10.90					
AL_AGE999873	AL_AGE999873	BC_AGE999999	Irregular	Channel	399		-13.25	-13.30					
AL_AGE999992	AL_AGE999992	BC_CDCO98225	Irregular	Channel	743		-9.80	-9.90					
AL_CDCO98235	AL_CDCO98235	BC_CDCO98230	Irregular	Channel	3,242		-10.60	-10.50					
AL_CDCO98239	AL_CDCO98239	AL_CDCO98235	Irregular	Channel	1,235		-10.50	-10.60					
AL_CDCO98247	AL_CDCO98247	BC_CDCO98245	Irregular	Channel	2,117		-8.30	-8.20					
BC_AGE999874	BC_AGE999874	BC_C1198250	Irregular	Channel	2,013		-12.90	-13.00					
BC_AGE999996	BC_AGE999996	BC_AGE999997	Irregular	Channel	410		-13.10	-13.20					
BC_AGE999998	BC_AGE999998	BC_AGE999995	Irregular	Channel	262		-12.90	-13.00					
BC_C1198250	BC_C1198250	BC_CSNR98260	Irregular	Channel	7,716		-13.00	-13.20					
BC_CDCO98201	BC_CDCO98201	PE_CICW98015	Irregular	Channel	500		-18.40	-18.50					
BC_CDCO98202	BC_CDCO98202	BC_CDCO98201	Irregular	Channel	1,800		-18.50	-18.40					
BC_CDCO98203	BC_CDCO98203	BC_CDCO98202	Irregular	Channel	1,300		-18.40	-18.50					
BC_CDCO98204	BC_CDCO98204	BC_CDCO98203	Irregular	Channel	830		-18.50	-18.40					
BC_CDCO98205	BC_CDCO98205	BC_CDCO98204	Irregular	Channel	730		-18.40	-18.50					
BC_CDCO98206	BC_CDCO98206	BC_CDCO98205	Irregular	Channel	1,900		-18.50	-18.40					
BC_CDCO98207	BC_CDCO98207	BC_CDCO98206	Irregular	Channel	2,530		-18.40	-18.50					
BC_CDCO98208	BC_CDCO98208	BC_CDCO98207	Irregular	Channel	150		-9.80	-9.90					
BC_CDCO98211	BC_CDCO98211	BC_CDCO98210	Irregular	Channel	1,050		-9.80	-9.90					
BC_CDCO98213	BC_CDCO98213	BC_CDCO98211	Irregular	Channel	1,480		-9.90	-9.80					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_CDCO98215	BC_CDCO98215	BC_CDCO98213	Irregular	Channel	920		-9.80	-9.90					
BC_CDCO98219	BC_CDCO98219	BC_CDCO98215	Irregular	Channel	1,900		-9.90	-9.80					
BC_CDCO98225	BC_CDCO98225	BC_CDCO98220	Irregular	Channel	3,050		-9.90	-9.80					
BC_CDCO98245	BC_CDCO98245	AL_CDCO98240	Irregular	Channel	4,097		-8.20	-8.30					
BC_CHC98302	BC_CHC98302	BC_CHC98300	Irregular	Channel	480		-8.70	-8.80					
BC_CHC98304	BC_CHC98304	BC_CHC98302	Irregular	Channel	1,420		-13.70	-13.60					
BC_CHC98307	BC_CHC98307	BC_CHC98305	Irregular	Channel	1,000		-13.70	-13.60					
BC_CHC98309	BC_CHC98309	BC_CHC98307	Irregular	Channel	900		-13.60	-13.70					
BC_CSNR98260	BC_CSNR98260	AL_AGE999873	Irregular	Channel	943		-13.20	-13.25					
EH_CC10998417	EH_CC10998417	EH_CC10998415	Irregular	Channel	775		-6.60	-6.70					
EH_CC10998419	EH_CC10998419	EH_CC10998417	Irregular	Channel	820		-6.70	-6.60					
EH_CC10998420	EH_CC10998420	EH_CC10998419	Irregular	Channel	1,200		-13.90	-14.00					
EH_CC10998424_1	EH_CC10998424	EH_CC10998422	Irregular	Channel	1,300		-8.10	-8.20					
EH_CC10998429	EH_CC10998429	EH_CC10998425	Irregular	Channel	710		-8.10	-8.20					
EH_CC10998431	EH_CC10998431	EH_CC10998430	Irregular	Channel	312		-12.50	-12.40					
EH_CC10998433	EH_CC10998433	EH_CC10998431	Irregular	Channel	720		-14.40	-14.30					
EH_CC10998435	EH_CC10998435	EH_CC10998433	Irregular	Channel	390		-14.30	-14.40					
EH_CC10998437	EH_CC10998437	EH_CC10998435	Irregular	Channel	505		-14.40	-14.30					
EH_CC10998440	EH_CC10998440	EH_CC10998437	Irregular	Channel	1,130		-11.70	-11.80					
EH_CDO000036	EH_DO000036	EH_CC10998431	Irregular	Channel	725		-5.00	-5.10					
NC_CHC98329	NC_CHC98329	NC_CHC98325	Irregular	Channel	280		-10.50	-10.60					
NC_CHC98331	NC_CHC98331	NC_CHC98330	Irregular	Channel	800		-14.20	-14.30					
NC_CHC98332	NC_CHC98332	NC_CHC98331	Irregular	Channel	680		-14.30	-14.20					
NC_CHC98333	NC_CHC98333	NC_CHC98332	Irregular	Channel	290		-14.60	-14.50					
NC_CHC98334	NC_CHC98334	NC_CHC98333	Irregular	Channel	570		-7.20	-7.30					
NC_CHC98336	NC_CHC98336	NC_CHC98335	Irregular	Channel	600		-13.60	-13.50					
NC_CHC98338	NC_CHC98338	NC_CHC98336	Irregular	Channel	1,080		-13.50	-13.60					
NC_CHC98339	NC_CHC98339	NC_CHC98338	Irregular	Channel	350		-6.40	-6.50					
NC_VCD000071	NC_VCD000071	NC_CHC98339	Irregular	Channel	150		-5.00	-6.00					
OH_CC10998400	OH_CC10998400	OH_CHC98317	Irregular	Channel	420		-20.40	-20.00					
OH_CC10998402	OH_CC10998402	OH_CC10998401	Irregular	Channel	475		-20.00	-20.40					
OH_CC10998409	OH_CC10998409	OH_CC10998405	Irregular	Channel	670		-7.80	-7.90					
OH_CC10998411	OH_CC10998411	OH_CC10998410	Irregular	Channel	700		-7.80	-7.90					
OH_CHC98312	OH_CHC98312	BC_CHC98310	Irregular	Channel	570		-16.10	-16.00					
OH_CHC98314	OH_CHC98314	OH_CHC98312	Irregular	Channel	1,190		-16.00	-16.10					
OH_CHC98315	OH_CHC98315	OH_CHC98314	Irregular	Channel	590		-16.10	-16.00					
OH_CHC98317	OH_CHC98317	OH_CHC98315	Irregular	Channel	750		-16.00	-16.10					
OH_CHC98319	OH_CHC98319	OH_CHC98317	Irregular	Channel	1,550		-10.90	-11.00					
OH_CHC98324	OH_CHC98324	OH_CHC98320	Irregular	Channel	1,050		-10.90	-11.00					
OH_CHCSP98316	OH_CHC98316	OH_CHC98314	Irregular	Channel	400		-13.50	-13.60					
EH_CC10998415	EH_CC10998415	TP_CC10998414	Irregular	DataGap	117		-8.00	-8.10					
AL_AGE999870D	AL_AGE999870	AL_AGE999987	Irregular	Ditch	398		2.40	2.26					
AL_AGE999871D_1	AL_AGE999871	AL_AGE999872	Irregular	Ditch	472		1.95	1.90					
AL_AGE999872D	AL_AGE999872	AL_AGE999984	Irregular	Ditch	79		1.90	1.71					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_AGE99985D	AL_AGE99985	AL_AGE999871	Irregular	Ditch	901		2.40	1.95					
AL_AGE99986D	AL_AGE99986	AL_AGE999870	Irregular	Ditch	143		3.00	2.40					
AL_DO000567D	AL_DO000567	AL_AGE999885	Irregular	Ditch	498		3.89	3.84					
AL_DS001878D	AL_DS001878	AL_DS004779	Irregular	Ditch	472		2.05	1.95					
BC_AGE999927D	BC_AGE999927	BC_NID999999	Irregular	Ditch	1,384		0.20	-0.20					
NC_DO000332D	NC_DO000332	NC_DO000340	Irregular	Ditch	835		1.00	0.00					
NC_DO000340D	NC_DO000340	NC_NID11038	Irregular	Ditch	280		-2.50	-3.50					
NC_DO000343D	NC_DO000343	NC_NID11038	Irregular	Ditch	1,220		-1.00	-3.00					
NC_DO000346D	NC_DO000346	NC_DO000343	Irregular	Ditch	530		0.50	0.00					
NC_DO000349D	NC_DO000349	NC_DO000346	Irregular	Ditch	670		2.75	0.50					
441_AGE999597_O	441_AGE999597	441_DS008684	Irregular	Overflow	20		11.95	11.90					
441_AGE999597_O	441_AGE999597	441_DS008007	Irregular	Overflow	20		11.70	11.60					
441_AGE999598_O	441_AGE999598	441_DS008007	Irregular	Overflow	20		11.90	11.80					
441_AGE999598_O	441_AGE999598	441_AGE999599	Irregular	Overflow	20		12.20	12.10					
441_AGE999599_O	441_AGE999599	441_AGE999600	Irregular	Overflow	20		10.60	10.50					
441_AGE999599_O	441_AGE999599	HGW_AGE999593	Irregular	Overflow	20		10.55	10.50					
441_AGE999600_O	441_AGE999600	441_AGE999601	Irregular	Overflow	20		9.00	8.90					
441_AGE999601_O	441_AGE999601	HH_AGE999569	Irregular	Overflow	20		9.10	9.00					
441_AGE999602_O	441_AGE999602	441_DS002411	Irregular	Overflow	20		8.50	8.40					
441_AGE999602_O	441_AGE999602	441_DS002421	Irregular	Overflow	20		8.55	8.50					
441_AGE999615_O	441_AGE999615	441_AGE999616	Irregular	Overflow	20		5.90	5.80					
441_AGE999615_O	441_AGE999615	441_DS001065	Irregular	Overflow	20		6.00	5.90					
441_AGE999616_O	441_AGE999616	441_DS001065	Irregular	Overflow	20		5.20	5.10					
441_AGE999616_O	441_AGE999616	441_DS007409	Irregular	Overflow	20		5.10	5.00					
441_AGE999617_O	441_AGE999617	BC_AGE999612	Irregular	Overflow	20		6.80	6.70					
441_AGE999617_O	441_AGE999617	441_AGE999615	Irregular	Overflow	20		8.15	8.10					
441_AGE999618_O	441_AGE999618	BC_AGE999612	Irregular	Overflow	20		6.50	6.40					
441_AGE999618_O	441_AGE999618	441_AGE999617	Irregular	Overflow	20		6.80	6.70					
441_AGE999656_O	441_AGE999656	441_DS007401	Irregular	Overflow	20		4.70	4.60					
441_AGE999923_O	441_AGE999923	441_AGE999924	Irregular	Overflow	20		3.75	3.70					
441_DO000591_O	441_DO000591	441_NID10473	Irregular	Overflow	20		5.25	5.20					
441_DO000781_O	441_DO000781	BC_AGE999928	Irregular	Overflow	20		3.51	3.46					
441_DO000917_O1	441_DO000917	BC_AGE999605	Irregular	Overflow	20		6.25	6.20					
441_DO000917_O2	441_DO000917	441_DWS000023	Irregular	Overflow	20		6.55	6.50					
441_DO000917_O3	441_DO000917	PL_DS008112	Irregular	Overflow	20		5.85	5.80					
441_DS000316_O	441_DS010222	441_DS010227	Irregular	Overflow	20		5.95	5.90					
441_DS000317_O	441_DS000317	441_DS002412	Irregular	Overflow	20		6.50	6.40					
441_DS001065_O	441_DS001065	441_NID10473	Irregular	Overflow	20		5.80	5.70					
441_DS001067_O	441_DS001067	441_DS001077	Irregular	Overflow	20		5.55	5.50					
441_DS001071_O1	441_DS001071	441_AGE999614	Irregular	Overflow	20		5.15	5.10					
441_DS001071_O2	441_DS001071	441_DS001067	Irregular	Overflow	20		5.25	5.20					
441_DS001071_O3	441_DS001071	441_DS001070	Irregular	Overflow	20		5.55	5.50					
441_DS001075_O1	441_DS001075	441_DS001077	Irregular	Overflow	20		5.10	5.00					
441_DS001075_O2	441_DS001075	441_DO000591	Irregular	Overflow	20		5.40	5.30					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS001077_O	441_DS001077	441_NID10473	Irregular	Overflow	20		5.00	4.90					
441_DS001079_O1	441_DS001079	441_DS001070	Irregular	Overflow	20		4.80	4.70					
441_DS001079_O2	441_DS001079	441_DS001075	Irregular	Overflow	20		5.60	5.50					
441_DS001881_O1	441_DS001881	BC_NID12510	Irregular	Overflow	20		3.87	3.82					
441_DS001881_O2	441_DS001881	BC_AGE999954	Irregular	Overflow	20		3.37	3.32					
441_DS002110_O1	441_DS002110	441_DS002105y	Irregular	Overflow	20		12.40	12.30					
441_DS002110_O2	441_DS002110	441_DS010201	Irregular	Overflow	20		12.50	12.40					
441_DS002110_O3	441_DS002110	441_DS010208	Irregular	Overflow	20		13.50	13.40					
441_DS002411_O1	441_DS002411	441_DS007935	Irregular	Overflow	20		7.55	7.50					
441_DS002411_O2	441_DS002411	441_DS002424	Irregular	Overflow	20		8.00	7.90					
441_DS002412_O1	441_DS002412	441_DS002415	Irregular	Overflow	20		5.35	5.30					
441_DS002412_O2	441_DS002412	441_DS002424	Irregular	Overflow	20		6.60	6.50					
441_DS002415_O	441_DS002415	PL_DS002059	Irregular	Overflow	20		6.50	6.40					
441_DS002421_O1	441_DS002421	HH_DS006197	Irregular	Overflow	20		6.20	6.10					
441_DS002421_O2	441_DS002421	PL_DS002048	Irregular	Overflow	20		6.25	6.20					
441_DS002424_O	441_DS002424	441_DS002421	Irregular	Overflow	20		6.80	6.70					
441_DS002498_O	441_DS002498	BC_AGE999928	Irregular	Overflow	20		3.75	3.70					
441_DS002503_O	441_DS002503	441_DO000781	Irregular	Overflow	20		4.06	4.01					
441_DS002519_O	441_DS002519	441_AGE999618	Irregular	Overflow	20		8.50	8.40					
441_DS002529_O1	441_DS002529	441_DS002519	Irregular	Overflow	20		9.00	8.90					
441_DS002529_O2	441_DS002529	BC_NID12458	Irregular	Overflow	20		8.85	8.80					
441_DS003401_O	441_DS003401	441_AGE999656	Irregular	Overflow	20		5.00	4.90					
441_DS003404_O1	441_DS003404	441_DS007402	Irregular	Overflow	20		4.80	4.70					
441_DS003404_O2	441_DS003404	441_DS006664	Irregular	Overflow	20		5.55	5.50					
441_DS003404_O3	441_DS003404	441_DS001067	Irregular	Overflow	20		5.40	5.30					
441_DS006657_O1	441_DS006657	441_DS006660	Irregular	Overflow	20		5.35	5.30					
441_DS006657_O2	441_DS006657	441_DS007402	Irregular	Overflow	20		5.35	5.30					
441_DS006659_O	441_DS006659	441_DS001065	Irregular	Overflow	20		5.40	5.30					
441_DS006660_O1	441_DS006660	441_DS006659	Irregular	Overflow	20		5.60	5.50					
441_DS006660_O2	441_DS006660	441_DS007403	Irregular	Overflow	20		5.55	5.50					
441_DS006661_O	441_DS006661	441_DS006657	Irregular	Overflow	20		5.60	5.50					
441_DS006662_O	441_DS006662	441_DS006661	Irregular	Overflow	20		5.35	5.30					
441_DS006663_O1	441_DS006663	441_DS006669	Irregular	Overflow	20		5.50	5.40					
441_DS006663_O2	441_DS006663	441_AGE999656	Irregular	Overflow	20		5.50	5.40					
441_DS006664_O1	441_DS006664	441_AGE999656	Irregular	Overflow	20		5.10	5.00					
441_DS006664_O2	441_DS006664	441_DS006663	Irregular	Overflow	20		5.35	5.30					
441_DS006667_O1	441_DS006667	441_DS006668	Irregular	Overflow	20		5.35	5.30					
441_DS006667_O2	441_DS006667	441_DS007790	Irregular	Overflow	20		5.40	5.30					
441_DS006668_O	441_DS006668	441_DS006662	Irregular	Overflow	20		5.90	5.80					
441_DS006669_O1	441_DS006669	441_DS006667	Irregular	Overflow	20		5.80	5.70					
441_DS006669_O2	441_DS006669	441_DS006668	Irregular	Overflow	20		5.80	5.70					
441_DS006670_O1	441_DS006670	441_DS006669	Irregular	Overflow	20		5.50	5.40					
441_DS006670_O2	441_DS006670	441_DS006841	Irregular	Overflow	20		5.10	5.00					
441_DS006685_O2	441_DS006685	441_DS003401	Irregular	Overflow	20		5.20	5.10					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS006685_O3	441_DS006685	441_DS003404	Irregular	Overflow	20		4.90	4.80					
441_DS006841_O1	441_DS006841	EH_AGE999613	Irregular	Overflow	20		5.05	5.00					
441_DS006841_O2	441_DS006841	441_DS007804	Irregular	Overflow	20		5.05	5.00					
441_DS006841_O3	441_DS006841	441_DS007822	Irregular	Overflow	20		5.25	5.20					
441_DS007396_O1	441_DS007396	BC_DS001904	Irregular	Overflow	20		5.90	5.80					
441_DS007396_O2	441_DS007396	441_AGE999614	Irregular	Overflow	20		5.00	4.90					
441_DS007401_O1	441_DS007401	EH_AGE999613	Irregular	Overflow	20		5.00	4.90					
441_DS007401_O2	441_DS007401	441_DS006670	Irregular	Overflow	20		5.15	5.10					
441_DS007409_O1	441_DS007409	441_DO000591	Irregular	Overflow	20		5.70	5.60					
441_DS007409_O2	441_DS007409	441_DS007396	Irregular	Overflow	20		5.65	5.60					
441_DS007789_O	441_DS007789	441_DS007816	Irregular	Overflow	20		5.30	5.20					
441_DS007790_O1	441_DS007790	441_DS007798	Irregular	Overflow	20		5.35	5.30					
441_DS007790_O2	441_DS007790	441_DS007784	Irregular	Overflow	20		5.30	5.20					
441_DS007792_O1	441_DS007792	441_DS006667	Irregular	Overflow	20		5.70	5.60					
441_DS007792_O2	441_DS007792	441_DS007794	Irregular	Overflow	20		5.70	5.60					
441_DS007794_O1	441_DS007794	441_DS007403	Irregular	Overflow	20		5.40	5.30					
441_DS007794_o2	441_DS007794	441_DS007795	Irregular	Overflow	20		5.80	5.70					
441_DS007795_O1	441_DS007795	441_DS007789	Irregular	Overflow	20		5.55	5.50					
441_DS007797_O1	441_DS007797	441_DS007800	Irregular	Overflow	20		5.25	5.20					
441_DS007797_O2	441_DS007797	441_DS007818	Irregular	Overflow	20		5.30	5.20					
441_DS007797_O3	441_DS007797	441_DS007789	Irregular	Overflow	20		5.30	5.20					
441_DS007798_O	441_DS007798	441_DS007797	Irregular	Overflow	20		5.45	5.40					
441_DS007800_O	441_DS007800	441_DS007822	Irregular	Overflow	20		5.00	4.90					
441_DS007802_O	441_DS007802	441_DS007800	Irregular	Overflow	20		5.25	5.20					
441_DS007804_O	441_DS007804	441_DS007802	Irregular	Overflow	20		5.05	5.00					
441_DS007809_O	441_DS007809	441_DS007814	Irregular	Overflow	20		4.90	4.80					
441_DS007814_O	441_DS007814	PL_FDG000164	Irregular	Overflow	20		4.40	4.30					
441_DS007816_O1	441_DS007816	441_DS007818	Irregular	Overflow	20		4.50	4.40					
441_DS007816_O2	441_DS007816	441_DS007814	Irregular	Overflow	20		4.50	4.40					
441_DS007818_O	441_DS007818	441_DS007822	Irregular	Overflow	20		4.25	4.20					
441_DS007822_O	441_DS007822	PL_FDG000164	Irregular	Overflow	20		4.25	4.20					
441_DS007935_O1	441_DS007935	441_DS002412	Irregular	Overflow	20		6.15	6.10					
441_DS007935_O2	441_DS007935	441_DS010218	Irregular	Overflow	20		6.60	6.50					
441_DS008007_O1	441_DS008007	441_DS002411	Irregular	Overflow	20		8.35	8.30					
441_DS008007_O2	441_DS008007	441_AGE999602	Irregular	Overflow	20		8.55	8.50					
441_DS008684_O	441_DS008684	441_DS008687	Irregular	Overflow	20		11.25	11.20					
441_DS008687_O	441_DS008687	441_DS008007	Irregular	Overflow	20		10.25	10.20					
441_DS009023_O	441_DS009023	441_DS009026	Irregular	Overflow	20		6.20	6.10					
441_DS009026_O	441_DS009026	441_DS010228	Irregular	Overflow	20		6.20	6.10					
441_DS009700_O	441_DS009700	441_NID12522	Irregular	Overflow	20		5.60	5.55					
441_DS010208_O	441_DS010208	441_AGE999597	Irregular	Overflow	20		11.50	11.40					
441_DS010218_O	441_DS010218	441_DS010222	Irregular	Overflow	20		6.30	6.20					
441_DS010224_O1	441_DS010224	441_DS010222	Irregular	Overflow	20		6.60	6.50					
441_DS010224_O2	441_DS010224	441_DS010221	Irregular	Overflow	20		6.30	6.20					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS010227_O	441_DS010227	441_DS002412	Irregular	Overflow	20		4.80	4.70					
441_DS010228_O1	441_DS010228	441_DS010229	Irregular	Overflow	20		6.00	5.90					
441_DS010228_O2	441_DS010228	441_DS002019y	Irregular	Overflow	20		6.30	6.20					
441_DS010228_O3	441_DS010228	441_DS010224	Irregular	Overflow	20		6.15	6.10					
441_DS010229_O2	441_DS010229	441_NID10059	Irregular	Overflow	20		5.65	5.60					
441_DS010230_O	441_DS010230	441_DS002415	Irregular	Overflow	20		4.85	4.80					
441_DS010231_O	441_DS010231	441_DS010230	Irregular	Overflow	20		6.00	5.90					
441_DS010239_O2	441_DS010239	441_DO000917	Irregular	Overflow	20		6.80	6.70					
441_DWS000023_C	441_DWS000023	PL_DS008115	Irregular	Overflow	20		6.20	6.10					
441_DWS000023_C	441_DWS000023	441_DS002415	Irregular	Overflow	20		6.20	6.10					
441_NID10059_O2	441_NID10059	441_DS010231	Irregular	Overflow	20		6.78	6.70					
441_NID10473_O	441_NID10473	441_DS007402	Irregular	Overflow	20		4.60	4.50					
441_NID12421_O	441_NID12421	BC_AGE999937	Irregular	Overflow	20		4.68	4.63					
441_NID12428_O	441_NID12428	BC_AGE999938	Irregular	Overflow	20		4.20	4.15					
441_NID12469_O	441_NID12469	441_AGE999923	Irregular	Overflow	20		7.32	7.27					
441_NID12521_O	441_NID12521	BC_NID12524	Irregular	Overflow	20		4.84	4.79					
441_NID12522_O	441_NID12522	441_DS001881	Irregular	Overflow	20		4.10	4.05					
AL_AGE999802_O	AL_AGE999802	AL_DS001152	Irregular	Overflow	20		3.38	3.33					
AL_AGE999805_O	AL_AGE999805	AL_AGE999990	Irregular	Overflow	20		3.50	3.45					
AL_AGE999809_O	AL_AGE999809	AL_AGE999811	Irregular	Overflow	20		2.40	2.35					
AL_AGE999811_O	AL_AGE999811	AL_AGE999813	Irregular	Overflow	20		4.70	4.65					
AL_AGE999812_O	AL_AGE999812	AL_AGE999990	Irregular	Overflow	20		3.50	3.45					
AL_AGE999813_O	AL_AGE999813	AL_AGE999990	Irregular	Overflow	20		3.50	3.45					
AL_AGE999816_O	AL_AGE999816	BC_AGE999998	Irregular	Overflow	20		3.90	3.85					
AL_AGE999817_O	AL_AGE999817	AL_AGE999820	Irregular	Overflow	20		4.04	3.99					
AL_AGE999835_O	AL_AGE999835	AL_DO000618	Irregular	Overflow	20		3.35	3.30					
AL_AGE999836_O	AL_AGE999836	BC_AGE999977	Irregular	Overflow	20		2.59	2.54					
AL_AGE999840_O	AL_AGE999840	AL_AGE999838	Irregular	Overflow	20		3.79	3.74					
AL_AGE999859_O	AL_AGE999859	AL_DS001873	Irregular	Overflow	20		3.01	2.96					
AL_AGE999861_O	AL_AGE999861	AL_CDCO98235	Irregular	Overflow	20		3.50	3.45					
AL_AGE999866_O	AL_AGE999866	AL_DO000558	Irregular	Overflow	20		2.50	2.45					
AL_AGE999867_O	AL_AGE999867	AL_DS001053	Irregular	Overflow	20		4.90	4.85					
AL_AGE999872_O	AL_AGE999872	BC_AGE999964	Irregular	Overflow	20		4.55	4.50					
AL_AGE999875_O	AL_AGE999875	BC_AGE999998	Irregular	Overflow	20		2.21	2.16					
AL_AGE999959_O	AL_AGE999959	AL_DS008903	Irregular	Overflow	20		4.59	4.54					
AL_AGE999974_O	AL_AGE999974	AL_DO000770	Irregular	Overflow	20		5.70	5.65					
AL_AGE999984_O	AL_AGE999984	AL_DO000794	Irregular	Overflow	20		4.00	3.95					
AL_DO000555_O	AL_DO000555	AL_DS007360	Irregular	Overflow	20		4.20	4.15					
AL_DO000567_O	AL_DO000567	AL_AGE999986	Irregular	Overflow	20		3.70	3.65					
AL_DO000623_O	AL_DO000623	AL_CDCO98239	Irregular	Overflow	20		3.20	3.15					
AL_DO000625_O	AL_DO000625	AL_CDCO98240	Irregular	Overflow	20		3.35	3.30					
AL_DO000770_O	AL_DO000770	AL_AGE999988	Irregular	Overflow	20		4.60	4.55					
AL_DO000772_O	AL_DO000772	AL_DS008337	Irregular	Overflow	20		4.60	4.55					
AL_DO000851_O	AL_DO000851	AL_AGE999801	Irregular	Overflow	20		3.14	3.09					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS001031_O	AL_DS001031	AL_DS001032	Irregular	Overflow	20		5.10	5.05					
AL_DS001032_O	AL_DS001032	AL_DS001035	Irregular	Overflow	20		5.05	5.00					
AL_DS001035_O	AL_DS001035	AL_AGE999990	Irregular	Overflow	20		2.50	2.45					
AL_DS001053_O	AL_DS001053	AL_AGE999842	Irregular	Overflow	20		4.55	4.50					
AL_DS001054_O	AL_DS001054	AL_DS001116	Irregular	Overflow	20		4.65	4.60					
AL_DS001142_O1	AL_DS001142	BC_AGE999998	Irregular	Overflow	20		3.40	3.35					
AL_DS001142_O2	AL_DS001142	AL_DS001143	Irregular	Overflow	20		3.80	3.70					
AL_DS001143_O	AL_DS001143	AL_DS001147	Irregular	Overflow	20		3.82	3.77					
AL_DS001147_O	AL_DS001147	AL_DS001148	Irregular	Overflow	20		3.77	3.72					
AL_DS001837_O	AL_DS001837	BC_AGE999998	Irregular	Overflow	20		2.80	2.75					
AL_DS001838_O	AL_DS001838	BC_AGE999997	Irregular	Overflow	20		3.71	3.66					
AL_DS001840_O	AL_DS001840	AL_DS001837	Irregular	Overflow	20		2.10	2.05					
AL_DS001843_O	AL_DS001843	BC_AGE999967	Irregular	Overflow	20		3.70	3.65					
AL_DS001846_O	AL_DS001846	AL_DS007364	Irregular	Overflow	20		3.76	3.71					
AL_DS001848_O1	AL_DS001848	BC_AGE999970	Irregular	Overflow	20		4.20	4.10					
AL_DS001848_O2	AL_DS001848	AL_DS001846	Irregular	Overflow	20		2.85	2.80					
AL_DS001849_O	AL_DS001849	AL_DS001031	Irregular	Overflow	20		4.32	4.27					
AL_DS001850_O1	AL_DS001850	AL_DS001848	Irregular	Overflow	20		5.70	5.60					
AL_DS001850_O2	AL_DS001850	BC_AGE999970	Irregular	Overflow	20		5.30	5.25					
AL_DS001850_O3	AL_DS001850	AL_DS001851	Irregular	Overflow	20		5.60	5.55					
AL_DS001850_O4	AL_DS001850	AL_DS001853	Irregular	Overflow	20		5.28	5.23					
AL_DS001851_O	AL_DS001851	AL_DS001849	Irregular	Overflow	20		4.99	4.94					
AL_DS001853_O	AL_DS001853	AL_DS007367	Irregular	Overflow	20		4.20	4.15					
AL_DS001861_O	AL_DS001861	AL_DS001863	Irregular	Overflow	20		4.60	4.55					
AL_DS001862_O	AL_DS001862	AL_AGE999829	Irregular	Overflow	20		3.95	3.90					
AL_DS001873_O	AL_DS001873	AL_DS007374	Irregular	Overflow	20		3.15	3.10					
AL_DS001877_O	AL_DS001877	AL_DS008805	Irregular	Overflow	20		3.85	3.80					
AL_DS001939_O	AL_DS001939	AL_DO000794	Irregular	Overflow	20		3.39	3.34					
AL_DS003377_O	AL_AGE999864	AL_DO000558	Irregular	Overflow	20		2.40	2.35					
AL_DS003385_O	AL_DS003385	AL_DO000618	Irregular	Overflow	20		3.20	3.15					
AL_DS003420_O	AL_DS003420	BC_AGE999998	Irregular	Overflow	20		3.58	3.53					
AL_DS003421_O	AL_DS003421	AL_DS003420	Irregular	Overflow	20		3.96	3.91					
AL_DS003422_O	AL_DS003422	AL_DS003421	Irregular	Overflow	20		3.72	3.67					
AL_DS003423_O	AL_DS003423	AL_DS003422	Irregular	Overflow	20		3.80	3.75					
AL_DS003426_O	AL_DS003426	AL_DS003436	Irregular	Overflow	20		4.10	4.05					
AL_DS003427_O1	AL_DS003427	AL_DS003426	Irregular	Overflow	20		3.70	3.65					
AL_DS003427_O2	AL_DS003427	AL_DS003439	Irregular	Overflow	20		3.78	3.73					
AL_DS003432_O1	AL_DS003432	AL_DS003423	Irregular	Overflow	20		3.78	3.73					
AL_DS003432_O2	AL_DS003432	AL_DO000852	Irregular	Overflow	20		4.95	4.90					
AL_DS003433_O	AL_DS003433	AL_DO000852	Irregular	Overflow	20		2.70	2.65					
AL_DS003434_O	AL_DS003434	AL_DS009380	Irregular	Overflow	20		4.02	3.97					
AL_DS003435_O	AL_DS003435	AL_DS003434	Irregular	Overflow	20		4.01	3.95					
AL_DS003436_O1	AL_DS003436	AL_DS003435	Irregular	Overflow	20		4.13	4.08					
AL_DS003436_O2	AL_DS003436	AL_DS003422	Irregular	Overflow	20		4.26	4.21					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS004777_O1	AL_DS004777	AL_DS007370	Irregular	Overflow	20		4.70	4.65					
AL_DS004777_O2	AL_DS004777	AL_DS008793	Irregular	Overflow	20		4.30	4.25					
AL_DS004778_O	AL_DS004778	AL_DS001853	Irregular	Overflow	20		4.80	4.75					
AL_DS004779_O	AL_DS004779	AL_CD098235	Irregular	Overflow	20		3.65	3.55					
AL_DS006625_O	AL_DS006625	AL_DS008907	Irregular	Overflow	20		4.15	4.10					
AL_DS006626_O	AL_DS006626	BC_AGE999998	Irregular	Overflow	20		3.10	3.00					
AL_DS006634_O	AL_DS006634	AL_DS006626	Irregular	Overflow	20		4.15	4.10					
AL_DS006637_O1	AL_DS006637	AL_DS006640	Irregular	Overflow	20		3.98	3.93					
AL_DS006637_O2	AL_DS006637	AL_DS006634	Irregular	Overflow	20		3.97	3.92					
AL_DS006640_O	AL_DS006640	AL_DS006642	Irregular	Overflow	20		4.07	4.02					
AL_DS006642_O	AL_DS006642	AL_DS006625	Irregular	Overflow	20		4.12	4.07					
AL_DS007352_O	AL_DS007352	BC_AGE999967	Irregular	Overflow	20		3.14	3.09					
AL_DS007352_O1	AL_DS007352	AL_DS007353	Irregular	Overflow	20		3.70	3.65					
AL_DS007353_O	AL_DS007353	AL_DS001840	Irregular	Overflow	20		3.80	3.75					
AL_DS007356_O1	AL_DS007356	AL_DS007357	Irregular	Overflow	20		3.55	3.50					
AL_DS007357_O	AL_DS007357	AL_DS001838	Irregular	Overflow	20		3.70	3.65					
AL_DS007360_O	AL_DS007360	AL_DS007356	Irregular	Overflow	20		4.00	3.90					
AL_DS007362_O	AL_DS007362	AL_DS004778	Irregular	Overflow	20		4.56	4.51					
AL_DS007363_O	AL_DS007363	BC_AGE999998	Irregular	Overflow	20		3.35	3.30					
AL_DS007364_O1	AL_DS007364	AL_DS007362	Irregular	Overflow	20		3.49	3.44					
AL_DS007364_O2	AL_DS007364	AL_DS007352	Irregular	Overflow	20		3.61	3.56					
AL_DS007367_O	AL_DS007367	AL_DS007368	Irregular	Overflow	20		4.55	4.50					
AL_DS007370_O1	AL_DS007370	AL_DS001859	Irregular	Overflow	20		4.25	4.20					
AL_DS007370_O2	AL_DS007370	AL_DS007371	Irregular	Overflow	20		3.78	3.73					
AL_DS007371_O	AL_DS007371	AL_DS008907	Irregular	Overflow	20		4.90	4.80					
AL_DS007374_O	AL_DS007374	AL_AGE999838	Irregular	Overflow	20		3.29	3.24					
AL_DS007411_O	AL_DS007411	AL_AGE999990	Irregular	Overflow	20		3.50	3.45					
AL_DS007418_O	AL_DS007418	AL_DS008791	Irregular	Overflow	20		4.40	4.35					
AL_DS007422_O	AL_DS007422	AL_AGE999823	Irregular	Overflow	20		4.36	4.31					
AL_DS007422_O1	AL_DS007422	AL_NID8581	Irregular	Overflow	20		4.05	4.00					
AL_DS008337_O	AL_DS008337	AL_DS008339	Irregular	Overflow	20		4.36	4.31					
AL_DS008339_O	AL_DS008339	AL_DS008340	Irregular	Overflow	20		4.28	4.23					
AL_DS008340_O	AL_DS008340	AL_DS008341	Irregular	Overflow	20		3.95	3.90					
AL_DS008341_O1	AL_DS008341	AL_AGE999990	Irregular	Overflow	20		3.10	3.05					
AL_DS008341_O2	AL_DS008341	AL_AGE999878	Irregular	Overflow	20		2.85	2.80					
AL_DS008344_O1	AL_DS008344	AL_DS008345	Irregular	Overflow	20		4.40	4.35					
AL_DS008344_O2	AL_DS008344	AL_DS008339	Irregular	Overflow	20		3.80	3.75					
AL_DS008346_O	AL_DS008346	AL_DS008344	Irregular	Overflow	20		3.81	3.76					
AL_DS008347_O	AL_DS008347	AL_DS008346	Irregular	Overflow	20		5.19	5.14					
AL_DS008348_O1	AL_DS008348	AL_DS008347	Irregular	Overflow	20		5.69	5.64					
AL_DS008351_O	AL_DS008351	AL_DS008348	Irregular	Overflow	20		5.00	4.95					
AL_DS008352_O	AL_DS008352	AL_DS008351	Irregular	Overflow	20		4.60	4.55					
AL_DS008353_O	AL_DS008353	AL_DS008352	Irregular	Overflow	20		4.50	4.45					
AL_DS008354_O	AL_DS008354	AL_DS008356	Irregular	Overflow	20		4.05	4.00					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_DS008354_O1	AL_DS008354	AL_DS008353	Irregular	Overflow	20		5.12	5.07					
AL_DS008356_O	AL_DS008356	AL_DS008357	Irregular	Overflow	20		4.17	4.12					
AL_DS008358_O	AL_DS008357	AL_AGE999990	Irregular	Overflow	20		3.50	3.45					
AL_DS008360_O	AL_DS008360	AL_DS008354	Irregular	Overflow	20		5.21	5.16					
AL_DS008365_O	AL_DS008365	AL_AGE999990	Irregular	Overflow	20		2.24	2.19					
AL_DS008791_O	AL_DS008791	AL_DS006696	Irregular	Overflow	20		4.60	4.55					
AL_DS008791_O1	AL_DS008791	AL_DS007416	Irregular	Overflow	20		4.49	4.44					
AL_DS008793_O	AL_DS008793	AL_DS007363	Irregular	Overflow	20		4.42	4.37					
AL_DS008798_O	AL_DS008798	AL_AGE999814	Irregular	Overflow	20		4.62	4.57					
AL_DS008802_O	AL_DS008802	AL_DS007416	Irregular	Overflow	20		4.24	4.19					
AL_DS008803_O	AL_DS008803	AL_DS008802	Irregular	Overflow	20		4.07	4.02					
AL_DS008803_O1	AL_DS008803	AL_DS008805	Irregular	Overflow	20		3.80	3.75					
AL_DS008803_O2	AL_DS008803	AL_AGE999853	Irregular	Overflow	20		3.23	3.18					
AL_DS008903_O	AL_DS008903	AL_DS006625	Irregular	Overflow	20		4.13	4.08					
AL_NID8581_O	AL_NID8581	AL_DS007423	Irregular	Overflow	20		4.60	4.55					
BC_AGE999388_O	BC_AGE999388	OH_CHC98312	Irregular	Overflow	20		5.00	4.90					
BC_AGE999389_O1	BC_AGE999389	LB_AGE999398	Irregular	Overflow	20		5.05	5.00					
BC_AGE999389_O2	BC_AGE999389	BC_AGE999391	Irregular	Overflow	20		5.05	5.00					
BC_AGE999390_O1	BC_AGE999390	BC_AGE999391	Irregular	Overflow	20		4.80	4.70					
BC_AGE999390_O2	BC_AGE999390	BC_AGE999508	Irregular	Overflow	20		5.20	5.10					
BC_AGE999391_O	BC_AGE999391	LB_AGE999400	Irregular	Overflow	20		4.10	4.00					
BC_AGE999392_O	BC_AGE999392	LB_AGE999401	Irregular	Overflow	20		4.90	4.80					
BC_AGE999393_O1	BC_AGE999393	BC_AGE999394	Irregular	Overflow	20		7.00	6.90					
BC_AGE999393_O2	BC_AGE999393	BC_AGE999392	Irregular	Overflow	20		6.50	6.40					
BC_AGE999394_O	BC_AGE999394	BC_DS006230	Irregular	Overflow	20		7.90	7.80					
BC_AGE999395_O	BC_AGE999395	BC_AGE999394	Irregular	Overflow	20		9.70	9.60					
BC_AGE999396_O	BC_AGE999396	LB_AGE999402	Irregular	Overflow	20		7.00	6.90					
BC_AGE999421_O	BC_AGE999421	BC_DO000307	Irregular	Overflow	20		9.90	9.80					
BC_AGE999500_O	BC_AGE999500	BC_CDCO98203	Irregular	Overflow	20		3.40	3.30					
BC_AGE999501_O	BC_AGE999501	BC_CDCO98203	Irregular	Overflow	20		2.00	1.90					
BC_AGE999502_O	BC_AGE999502	BC_CDCO98205	Irregular	Overflow	20		3.20	3.10					
BC_AGE999503_O1	BC_AGE999503	BC_CDCO98206	Irregular	Overflow	20		3.30	3.20					
BC_AGE999503_O2	BC_AGE999503	BC_AGE999505	Irregular	Overflow	20		2.90	2.80					
BC_AGE999504_O	BC_AGE999504	BC_CDCO98206	Irregular	Overflow	20		2.80	2.70					
BC_AGE999505_O	BC_AGE999505	BC_CDCO98206	Irregular	Overflow	20		3.00	2.90					
BC_AGE999506_O	BC_AGE999506	BC_AGE999507	Irregular	Overflow	20		9.50	9.40					
BC_AGE999507_O1	BC_AGE999507	BC_AGE999390	Irregular	Overflow	20		9.50	9.40					
BC_AGE999508_O	BC_AGE999508	BC_AGE999509	Irregular	Overflow	20		5.00	4.90					
BC_AGE999509_O	BC_AGE999509	BC_CHC98309	Irregular	Overflow	20		4.80	4.70					
BC_AGE999510_O1	BC_AGE999510	BC_CHC98302	Irregular	Overflow	20		3.70	3.60					
BC_AGE999510_O2	BC_AGE999510	BC_DS002653	Irregular	Overflow	20		3.75	3.70					
BC_AGE999511_O	BC_AGE999511	BC_DS002653	Irregular	Overflow	20		3.90	3.80					
BC_AGE999512_O	BC_AGE999512	BC_CHC98305	Irregular	Overflow	20		5.00	4.90					
BC_AGE999513_O	BC_AGE999513	BC_AGE999514	Irregular	Overflow	20		7.75	7.70					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_AGE999514_O	BC_AGE999514	BC_AGE999515	Irregular	Overflow	20		4.40	4.30					
BC_AGE999515_O	BC_AGE999515	BC_AGE999510	Irregular	Overflow	20		4.00	3.90					
BC_AGE999516_O	BC_AGE999516	BC_CHC98300	Irregular	Overflow	20		3.90	3.80					
BC_AGE999517_O	BC_AGE999517	BC_CDCO98210	Irregular	Overflow	20		5.40	5.30					
BC_AGE999518_O	BC_AGE999518	BC_CDCO98215	Irregular	Overflow	20		3.15	3.10					
BC_AGE999519_O	BC_AGE999519	OH_AGE999520	Irregular	Overflow	20		4.00	3.90					
BC_AGE999605_O	BC_AGE999605	PL_DS008112	Irregular	Overflow	20		5.70	5.60					
BC_AGE999610_O1	BC_AGE999610	PL_AGE999609	Irregular	Overflow	20		6.50	6.40					
BC_AGE999610_O2	BC_AGE999610	PL_AGE999606	Irregular	Overflow	20		6.10	6.00					
BC_AGE999611_O	BC_AGE999611	BC_AGE999610	Irregular	Overflow	20		7.70	7.60					
BC_AGE999612_O1	BC_AGE999612	441_DS007403	Irregular	Overflow	20		6.55	6.50					
BC_AGE999612_O2	BC_AGE999612	BC_AGE999611	Irregular	Overflow	20		7.00	6.90					
BC_AGE999612_O3	BC_AGE999612	BC_AGE999610	Irregular	Overflow	20		6.90	6.80					
BC_AGE999629_O1	BC_AGE999629	BC_AGE999630	Irregular	Overflow	20		3.80	3.70					
BC_AGE999629_O2	BC_AGE999629	BC_AGE999907	Irregular	Overflow	20		3.60	3.50					
BC_AGE999629_O3	BC_AGE999629	BC_NID10022	Irregular	Overflow	20		4.80	4.70					
BC_AGE999629_O4	BC_AGE999629	BC_AGE999631	Irregular	Overflow	20		5.20	5.10					
BC_AGE999630_O	BC_AGE999630	BC_AGE999907	Irregular	Overflow	20		3.60	3.50					
BC_AGE999633_O1	BC_AGE999633	BC_AGE999634	Irregular	Overflow	20		4.60	4.50					
BC_AGE999633_O2	BC_AGE999633	BC_AGE999907	Irregular	Overflow	20		6.55	6.50					
BC_AGE999657_O	BC_AGE999657	OH_CC10998410	Irregular	Overflow	20		4.00	3.90					
BC_AGE999900_O	BC_AGE999900	BC_AGE999634	Irregular	Overflow	20		5.18	5.13					
BC_AGE999901_O	BC_AGE999901	BC_CDCO98220	Irregular	Overflow	20		8.50	8.45					
BC_AGE999902_O	BC_AGE999902	BC_CDCO98225	Irregular	Overflow	20		5.25	5.20					
BC_AGE999903_O	BC_AGE999903	BC_CDCO98230	Irregular	Overflow	20		2.25	2.20					
BC_AGE999904_O	BC_AGE999904	AL_CDCO98235	Irregular	Overflow	20		3.20	3.15					
BC_AGE999905_O	BC_AGE999905	BC_AGE999906	Irregular	Overflow	20		5.80	5.75					
BC_AGE999906_O	BC_AGE999906	BC_AGE999907	Irregular	Overflow	20		4.00	3.95					
BC_AGE999907_O	BC_AGE999907	BC_AGE999915	Irregular	Overflow	20		3.70	3.60					
BC_AGE999908_O	BC_AGE999908	BC_AGE999907	Irregular	Overflow	20		3.65	3.60					
BC_AGE999908_O2	BC_AGE999908	BC_AGE999915	Irregular	Overflow	20		3.60	3.50					
BC_AGE999909_O	BC_AGE999909	AL_CDCO98239	Irregular	Overflow	20		3.80	3.75					
BC_AGE999909_O1	BC_AGE999909	BC_AGE999904	Irregular	Overflow	20		4.05	4.00					
BC_AGE999910_O	BC_AGE999910	AL_CDCO98240	Irregular	Overflow	20		2.50	2.40					
BC_AGE999911_O	BC_AGE999911	AL_CDCO98240	Irregular	Overflow	20		2.58	2.53					
BC_AGE999912_O1	BC_AGE999912	BC_AGE999913	Irregular	Overflow	20		4.11	4.06					
BC_AGE999912_O2	BC_AGE999912	BC_AGE999910	Irregular	Overflow	20		4.10	4.05					
BC_AGE999912_O3	BC_AGE999912	BC_CDCO98245	Irregular	Overflow	20		4.90	4.85					
BC_AGE999913_O	BC_AGE999913	BC_CDCO98245	Irregular	Overflow	20		3.11	3.06					
BC_AGE999914_O	BC_AGE999914	BC_AGE999915	Irregular	Overflow	20		4.40	4.35					
BC_AGE999915_O	BC_AGE999915	BC_AGE999983	Irregular	Overflow	20		1.55	1.50					
BC_AGE999918_O	BC_AGE999918	BC_AGE999919	Irregular	Overflow	20		4.10	4.05					
BC_AGE999919_O	BC_AGE999919	BC_DO000823	Irregular	Overflow	20		4.70	4.65					
BC_AGE999920_O	BC_AGE999920	BC_DO000823	Irregular	Overflow	20		5.30	5.25					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_AGE999920_O1 BC_AGE999920	BC_AGE999920	441_AGE999924	Irregular	Overflow	20		5.34	5.29					
BC_AGE999921_O BC_AGE999921	BC_AGE999921	441_AGE999924	Irregular	Overflow	20		2.10	2.05					
BC_AGE999922_O BC_AGE999922	BC_AGE999922	441_AGE999923	Irregular	Overflow	20		3.70	3.65					
BC_AGE999928_O BC_AGE999928	BC_AGE999928	BC_AGE999921	Irregular	Overflow	20		3.05	3.00					
BC_AGE999931_O1 BC_AGE999931	BC_AGE999931	BC_AGE999932	Irregular	Overflow	20		2.72	2.67					
BC_AGE999931_O2 BC_AGE999931	BC_AGE999931	BC_AGE999930	Irregular	Overflow	20		2.70	2.65					
BC_AGE999931_O3 BC_AGE999931	BC_AGE999931	BC_AGE999928	Irregular	Overflow	20		4.82	4.77					
BC_AGE999933_O1 BC_AGE999933	BC_AGE999933	BC_AGE999934	Irregular	Overflow	20		3.60	3.55					
BC_AGE999933_O2 BC_AGE999933	BC_AGE999933	BC_AGE999928	Irregular	Overflow	20		3.70	3.65					
BC_AGE999934_O BC_AGE999934	BC_AGE999934	BC_AGE999937	Irregular	Overflow	20		3.31	3.26					
BC_AGE999935_O BC_AGE999935	BC_AGE999935	BC_AGE999934	Irregular	Overflow	20		3.45	3.40					
BC_AGE999936_O BC_AGE999936	BC_AGE999936	BC_NID999999	Irregular	Overflow	20		4.90	4.85					
BC_AGE999937_O BC_AGE999937	BC_AGE999937	BC_AGE999931	Irregular	Overflow	20		3.62	3.57					
BC_AGE999938_O1 BC_AGE999938	BC_AGE999938	BC_NID12524	Irregular	Overflow	20		4.05	4.00					
BC_AGE999938_O2 BC_AGE999938	BC_AGE999938	BC_NID12512	Irregular	Overflow	20		4.20	4.15					
BC_AGE999948_O BC_AGE999948	BC_AGE999948	BC_CDCO98245	Irregular	Overflow	20		2.00	1.90					
BC_AGE999949_O BC_AGE999949	BC_AGE999949	BC_AGE999948	Irregular	Overflow	20		2.80	2.75					
BC_AGE999949_O2 BC_AGE999949	BC_AGE999949	BC_CDCO98245	Irregular	Overflow	20		1.79	1.74					
BC_AGE999951_O1 BC_AGE999951	BC_AGE999951	BC_DS007388	Irregular	Overflow	20		4.10	4.05					
BC_AGE999951_O2 BC_AGE999951	BC_AGE999951	BC_CDCO98245	Irregular	Overflow	20		2.95	2.90					
BC_AGE999952_O1 BC_AGE999952	BC_AGE999952	AL_CDCO98247	Irregular	Overflow	20		3.86	3.81					
BC_AGE999952_O2 BC_AGE999952	BC_AGE999952	BC_DS007381	Irregular	Overflow	20		4.42	4.37					
BC_AGE999954_O BC_AGE999954	BC_AGE999954	BC_C1198250	Irregular	Overflow	20		3.50	3.45					
BC_AGE999955_O BC_AGE999955	BC_AGE999955	BC_C1198250	Irregular	Overflow	20		3.47	3.42					
BC_AGE999961_O BC_AGE999961	BC_AGE999961	BC_C1198250	Irregular	Overflow	20		3.39	3.34					
BC_AGE999962_O BC_AGE999962	BC_AGE999962	BC_C1198250	Irregular	Overflow	20		4.50	4.45					
BC_AGE999963_O BC_AGE999963	BC_AGE999963	BC_AGE999962	Irregular	Overflow	20		7.00	6.90					
BC_AGE999964_O BC_AGE999964	BC_AGE999964	BC_CDCO98245	Irregular	Overflow	20		4.10	4.05					
BC_AGE999965_O BC_AGE999965	BC_AGE999965	BC_AGE999998	Irregular	Overflow	20		3.00	2.95					
BC_AGE999966_O BC_AGE999966	BC_AGE999966	BC_CSNR98260	Irregular	Overflow	20		5.75	5.70					
BC_AGE999968_O BC_AGE999968	BC_AGE999968	BC_AGE999970	Irregular	Overflow	20		2.65	2.60					
BC_AGE999968_O1 BC_AGE999968	BC_AGE999968	BC_AGE999967	Irregular	Overflow	20		3.05	3.00					
BC_AGE999969_O BC_AGE999969	BC_AGE999969	AL_DS007352	Irregular	Overflow	20		4.37	4.32					
BC_AGE999969_O1 BC_AGE999969	BC_AGE999969	BC_AGE999970	Irregular	Overflow	20		4.50	4.40					
BC_AGE999970_O BC_AGE999970	BC_AGE999970	BC_AGE999967	Irregular	Overflow	20		4.82	4.77					
BC_AGE999971_O BC_AGE999971	BC_AGE999971	BC_AGE999970	Irregular	Overflow	20		5.00	4.95					
BC_AGE999972_O BC_AGE999972	BC_AGE999972	AL_DS001850	Irregular	Overflow	20		6.52	6.47					
BC_AGE999973_O BC_AGE999973	BC_AGE999973	AL_DS008360	Irregular	Overflow	20		5.07	5.02					
BC_AGE999975_O BC_AGE999975	BC_AGE999975	BC_CDCO98230	Irregular	Overflow	20		3.47	3.42					
BC_AGE999976_O BC_AGE999976	BC_AGE999976	BC_AGE999975	Irregular	Overflow	20		3.90	3.85					
BC_AGE999977_O1 BC_AGE999977	BC_AGE999977	AL_CDCO98235	Irregular	Overflow	20		3.41	3.36					
BC_AGE999977_O2 BC_AGE999977	BC_AGE999977	AL_DS007374	Irregular	Overflow	20		3.50	3.45					
BC_AGE999980_O BC_AGE999980	BC_AGE999980	MR_DO000650	Irregular	Overflow	20		2.50	2.45					
BC_AGE999983_O BC_AGE999983	BC_AGE999983	OR_DS002646	Irregular	Overflow	20		2.78	2.73					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_AGE999998_O	BC_AGE999998	AL_AGE999873	Irregular	Overflow	20		1.95	1.90					
BC_DO000774_O	BC_DO000774	BC_AGE999973	Irregular	Overflow	20		5.08	5.03					
BC_DS000249_O1	BC_DS000249	HC_DS001503	Irregular	Overflow	20		8.70	8.60					
BC_DS000249_O2	BC_DS000249	HWC-BC_Out1	Irregular	Overflow	20		7.70	7.60					
BC_DS000250_O	BC_DS000250	HC_FDOT9836	Irregular	Overflow	20		8.85	8.80					
BC_DS001495_O1	BC_DS001495	BC_FDOT9830	Irregular	Overflow	20		9.00	8.90					
BC_DS001507_O1	BC_DS001507	BC_DS001495	Irregular	Overflow	20		9.00	8.90					
BC_DS001507_O2	BC_DS001507	HC_DS007026	Irregular	Overflow	20		9.40	9.30					
BC_DS001507_O3	BC_DS001507	HWC-BC_Out2	Irregular	Overflow	20		9.30	9.20					
BC_DS001758_O	BC_DS001757	BC_DS001679	Irregular	Overflow	20		9.80	9.70					
BC_DS001895_O	BC_DS001895	BC_DS001918	Irregular	Overflow	20		6.25	6.20					
BC_DS001904_O	BC_DS001904	BC_DO000823	Irregular	Overflow	20		5.40	5.30					
BC_DS001905_O1	BC_DS001905	BC_DS007399	Irregular	Overflow	20		5.75	5.70					
BC_DS001905_O2	BC_DS001905	BC_DO000823	Irregular	Overflow	20		4.10	4.00					
BC_DS001907_O	BC_DS001907	BC_AGE999917	Irregular	Overflow	20		4.90	4.80					
BC_DS001917_O1	BC_DS001917	BC_DS001907	Irregular	Overflow	20		5.15	5.10					
BC_DS001917_O2	BC_DS001917	BC_AGE999918	Irregular	Overflow	20		5.20	5.10					
BC_DS001918_O	BC_DS001918	BC_DS001917	Irregular	Overflow	20		6.35	6.30					
BC_DS001962_O	BC_DS001962	BC_AGE999633	Irregular	Overflow	20		5.60	5.50					
BC_DS002001_O1	BC_DS002001	BC_NID10022	Irregular	Overflow	20		5.05	5.00					
BC_DS002001_O2	BC_DS002001	SC_DS002002	Irregular	Overflow	20		5.00	4.90					
BC_DS002001_O3	BC_DS002001	BC_AGE999633	Irregular	Overflow	20		5.10	5.00					
BC_DS002653_O	BC_DS002653	BC_CHC98309	Irregular	Overflow	20		3.10	3.00					
BC_DS003444_O1	BC_DS003444	BC_DS002653	Irregular	Overflow	20		4.30	4.20					
BC_DS003444_O2	BC_DS003444	OH_DS006719	Irregular	Overflow	20		5.15	5.10					
BC_DS003445_O1	BC_DS003445	BC_DS003444	Irregular	Overflow	20		4.85	4.80					
BC_DS003961_O	BC_DS003961	BC_DS001757	Irregular	Overflow	20		9.15	9.10					
BC_DS004107_O	BC_DS004107	BC_AGE999908	Irregular	Overflow	20		3.90	3.80					
BC_DS005978_O	BC_DS005978	BC_AGE999397	Irregular	Overflow	20		10.20	10.10					
BC_DS006230_O	BC_DS006230	LB_DS006231	Irregular	Overflow	20		3.70	3.60					
BC_DS006745_O	BC_DS006745	OH_AGE999520	Irregular	Overflow	20		6.65	6.60					
BC_DS006755_O	BC_DS006755	OH_AGE999520	Irregular	Overflow	20		5.50	5.40					
BC_DS007381_O1	BC_DS007381	BC_DS007385	Irregular	Overflow	20		4.05	4.00					
BC_DS007381_O2	BC_DS007381	BC_CDCO98245	Irregular	Overflow	20		5.29	5.24					
BC_DS007385_O	BC_DS007385	BC_AGE999951	Irregular	Overflow	20		4.15	4.10					
BC_DS007388_O	BC_DS007388	BC_DS007432	Irregular	Overflow	20		4.28	4.23					
BC_DS007399_O1	BC_DS007399	BC_DS001904	Irregular	Overflow	20		5.10	5.00					
BC_DS007424_O	BC_DS007424	BC_AGE999949	Irregular	Overflow	20		3.85	3.80					
BC_DS007432_O	BC_DS007432	BC_DS007424	Irregular	Overflow	20		4.00	3.95					
BC_DS007452_O1	BC_DS007452	BC_DS007447	Irregular	Overflow	20		8.20	8.10					
BC_DS007452_O2	BC_DS007452	OH_DS006748	Irregular	Overflow	20		9.00	8.90					
BC_DS007454_O	BC_DS007454	BC_DS006755	Irregular	Overflow	20		6.05	6.00					
BC_DS008246_O	BC_DS008246	BC_DS001905	Irregular	Overflow	20		6.30	6.20					
BC_DS010243_O2	BC_DS010243	441_DS010239	Irregular	Overflow	20		7.00	6.90					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DS010246_O1	BC_DS010246	BC_DS010243	Irregular	Overflow	20		7.55	7.50					
BC_DS010246_O2	BC_DS010246	BC_AGE999611	Irregular	Overflow	20		7.80	7.70					
BC_DS010250_O1	BC_DS010250	BC_AGE999612	Irregular	Overflow	20		7.30	7.20					
BC_DS010250_O2	BC_DS010250	BC_DS010246	Irregular	Overflow	20		7.50	7.40					
BC_FDG000133_O1	BC_FDG000133	OR_DS005258	Irregular	Overflow	20		5.60	5.50					
BC_FDOT9830_O1	BC_FDOT9830	BC_FDOT9833	Irregular	Overflow	20		8.70	8.60					
BC_FDOT9833_O	BC_FDOT9833	BC_DS000250	Irregular	Overflow	20		8.50	8.40					
BC_FDOT9851_O	BC_FDOT9851	PKE_FDOT9852	Irregular	Overflow	20		5.50	5.40					
BC_FDOT9855_O	BC_FDOT9855	BC_FDOT9851	Irregular	Overflow	20		5.55	5.50					
BC_FDOT9855_O1	BC_FDOT9855	PKE_FDOT9849	Irregular	Overflow	20		5.40	5.30					
BC_FDOT9859_O	BC_FDOT9859	HWC-BC_Out3	Irregular	Overflow	20		9.40	9.30					
BC_NID10022_O1	BC_NID10022	BC_AGE999632	Irregular	Overflow	20		5.20	5.10					
BC_NID10061_O1	BC_NID10061	BC_NID12454	Irregular	Overflow	20		8.85	8.80					
BC_NID10061_O2	BC_NID10061	BC_AGE999927	Irregular	Overflow	20		6.50	6.40					
BC_NID10061_O3	BC_NID10061	BC_NID15974	Irregular	Overflow	20		8.90	8.85					
BC_NID12354_O	BC_NID12354	BC_PS000011	Irregular	Overflow	20		8.65	8.60					
BC_NID12419_O	BC_NID12419	BC_AGE999936	Irregular	Overflow	20		5.27	5.22					
BC_NID12419_O1	BC_NID12419	BC_NID12429	Irregular	Overflow	20		5.77	5.72					
BC_NID12424_O1	BC_NID12424	441_NID12428	Irregular	Overflow	20		5.80	5.75					
BC_NID12424_O2	BC_NID12424	441_NID12421	Irregular	Overflow	20		5.60	5.55					
BC_NID12432_O1	BC_NID12432	BC_AGE999938	Irregular	Overflow	20		5.40	5.35					
BC_NID12432_O2	BC_NID12432	BC_NID12434	Irregular	Overflow	20		5.70	5.65					
BC_NID12434_O	BC_NID12434	441_NID12521	Irregular	Overflow	20		6.65	6.60					
BC_NID12445_O	BC_NID12445	BC_AGE999955	Irregular	Overflow	20		5.78	5.73					
BC_NID12447_O	BC_NID12447	BC_NID12445	Irregular	Overflow	20		6.80	6.75					
BC_NID12454_O	BC_NID12454	BC_NID12468	Irregular	Overflow	20		7.90	7.85					
BC_NID12458_O	BC_NID12458	441_NID12469	Irregular	Overflow	20		8.20	8.15					
BC_NID12459_O1	BC_NID12459	BC_AGE999937	Irregular	Overflow	20		5.60	5.55					
BC_NID12468_O	BC_NID12468	BC_AGE999927	Irregular	Overflow	20		8.85	8.80					
BC_NID12475_O	BC_NID12475	BC_AGE999927	Irregular	Overflow	20		7.05	7.00					
BC_NID12481_O	BC_NID12481	BC_DM002146	Irregular	Overflow	20		7.10	7.00					
BC_NID12486_O1	BC_NID12486	441_DS002503	Irregular	Overflow	20		7.69	7.64					
BC_NID12486_O2	BC_NID12486	441_DS008528	Irregular	Overflow	20		6.63	6.58					
BC_NID12490_O	BC_NID12490	BC_NID999999	Irregular	Overflow	20		6.05	6.00					
BC_NID12508_O	BC_NID12508	BC_NID12512	Irregular	Overflow	20		4.02	3.97					
BC_NID12510_O	BC_NID12510	BC_NID12515	Irregular	Overflow	20		4.33	4.28					
BC_NID12512_O	BC_NID12512	BC_NID12513	Irregular	Overflow	20		3.50	3.45					
BC_NID12513_O	BC_NID12513	BC_AGE999940	Irregular	Overflow	20		3.80	3.75					
BC_NID12515_O1	BC_NID12515	BC_C1198250	Irregular	Overflow	20		3.20	3.15					
BC_NID12515_O2	BC_NID12515	BC_AGE999952	Irregular	Overflow	20		4.01	3.96					
BC_NID12525_O	BC_NID12525	BC_NID12528	Irregular	Overflow	20		4.00	3.95					
BC_NID12528_O	BC_NID12528	BC_NID12508	Irregular	Overflow	20		4.22	4.17					
EH_AGE999608_O	EH_AGE999608	PL_FDG000164	Irregular	Overflow	20		4.50	4.40					
EH_AGE999613_O1	EH_AGE999613	EH_AGE999608	Irregular	Overflow	20		4.90	4.80					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_AGE999613_O2	EH_AGE999613	PL_FDG000164	Irregular	Overflow	20		4.90	4.80					
EH_AGE999613_O3	EH_AGE999613	EH_AGE999658	Irregular	Overflow	20		5.00	4.90					
EH_AGE999619_O	EH_AGE999619	EH_AGE999658	Irregular	Overflow	20		6.10	6.00					
EH_AGE999620_O	EH_AGE999620	EH_DS004055	Irregular	Overflow	20		5.80	5.70					
EH_AGE999621_O1	EH_AGE999621	EH_DS005328	Irregular	Overflow	20		6.40	6.30					
EH_AGE999621_O2	EH_AGE999621	EH_DS008717	Irregular	Overflow	20		6.00	5.90					
EH_AGE999636_O	EH_AGE999636	EH_DO000019	Irregular	Overflow	20		5.00	4.90					
EH_AGE999637_O4	EH_AGE999658	441_DS003404	Irregular	Overflow	20		5.05	5.00					
EH_AGE999638	EH_AGE999638	EH_DS004140	Irregular	Overflow	20		4.10	4.00					
EH_AGE999639_O1	EH_AGE999639	EH_AGE999659	Irregular	Overflow	20		4.60	4.50					
EH_AGE999639_O2	EH_AGE999639	EH_DS004042	Irregular	Overflow	20		4.55	4.50					
EH_AGE999640_O1	EH_AGE999640	EH_DS005408	Irregular	Overflow	20		3.85	3.80					
EH_AGE999640_O2	EH_AGE999640	EH_CC10998419	Irregular	Overflow	20		3.90	3.80					
EH_AGE999641_O1	EH_AGE999641	EH_AGE999640	Irregular	Overflow	20		5.30	5.20					
EH_AGE999641_O2	EH_AGE999641	EH_DS004132	Irregular	Overflow	20		5.10	5.00					
EH_AGE999642_O	EH_AGE999642	EH_AGE999644	Irregular	Overflow	20		4.20	4.10					
EH_AGE999643_O1	EH_AGE999643	TP_AGE999534	Irregular	Overflow	20		5.10	5.00					
EH_AGE999643_O2	EH_AGE999643	EH_DMH000338	Irregular	Overflow	20		4.50	4.40					
EH_AGE999644_O	EH_AGE999644	EH_DS004837	Irregular	Overflow	20		4.60	4.50					
EH_AGE999645_O1	EH_AGE999645	EH_AGE999659	Irregular	Overflow	20		5.30	5.20					
EH_AGE999645_O2	EH_AGE999645	EH_AGE999662	Irregular	Overflow	20		5.10	5.00					
EH_AGE999651_O	EH_AGE999651	EH_CC10998417	Irregular	Overflow	20		3.30	3.20					
EH_AGE999652_O	EH_AGE999652	EH_CC10998417	Irregular	Overflow	20		3.35	3.30					
EH_AGE999658_O1	EH_AGE999658	EH_DS008247	Irregular	Overflow	20		5.60	5.50					
EH_AGE999658_O2	EH_AGE999658	EH_DS004055	Irregular	Overflow	20		5.75	5.70					
EH_AGE999658_O3	EH_AGE999658	EH_DS004083	Irregular	Overflow	20		5.40	5.30					
EH_AGE999661_O	EH_AGE999661	EH_AGE999660	Irregular	Overflow	20		4.50	4.40					
EH_AGE999662_O1	EH_AGE999662	EH_AGE999664	Irregular	Overflow	20		4.10	4.00					
EH_AGE999662_O2	EH_AGE999662	EH_AGE999663	Irregular	Overflow	20		4.30	4.20					
EH_AGE999663_O	EH_AGE999663	EH_DS004141	Irregular	Overflow	20		4.40	4.30					
EH_AGE999665_O	EH_AGE999665	EH_AGE999666	Irregular	Overflow	20		3.50	3.40					
EH_CC10998422_O	EH_CC10998422	EH_CC10998420	Irregular	Overflow	20		2.95	2.90					
EH_CC10998430_O	EH_CC10998430	EH_DS003508	Irregular	Overflow	20		4.20	4.10					
EH_DMH000338_O	EH_DMH000338	TP_AGE999534	Irregular	Overflow	20		4.75	4.70					
EH_DMH000338_O	EH_DMH000338	EH_DS005412	Irregular	Overflow	20		4.45	4.40					
EH_DO000013_O	EH_DO000013	EH_CC10998422	Irregular	Overflow	20		2.40	2.30					
EH_DO000018_O	EH_DO000018	EH_CC10998425	Irregular	Overflow	20		1.40	1.30					
EH_DO000019_O	EH_DO000019	EH_DS003531	Irregular	Overflow	20		4.00	3.90					
EH_DO000130_O1	EH_DO000130	EH_DS002698	Irregular	Overflow	20		5.25	5.20					
EH_DO000130_O2	EH_DO000130	EH_DO000036	Irregular	Overflow	20		4.80	4.70					
EH_DO000698_O	EH_DO000698	EH_DO000699	Irregular	Overflow	20		4.10	4.00					
EH_DO000798_O	EH_DO000798	EH_NID10704	Irregular	Overflow	20		2.55	2.50					
EH_DS000036_O1	EH_DS000036	EH_DS000078	Irregular	Overflow	20		5.30	5.20					
EH_DS000036_O2	EH_DS000036	EH_DS006108	Irregular	Overflow	20		4.90	4.80					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS001083_O	EH_DS001083	EH_DS001087	Irregular	Overflow	20		5.60	5.50					
EH_DS001085_O	EH_DS001085	EH_DS004061	Irregular	Overflow	20		5.60	5.50					
EH_DS001087_O	EH_DS001087	EH_DS001088	Irregular	Overflow	20		5.30	5.20					
EH_DS001088_O	EH_DS001088	EH_DS001085	Irregular	Overflow	20		5.55	5.50					
EH_DS001187_O	EH_DS001187	EH_CC10998440	Irregular	Overflow	20		2.50	2.40					
EH_DS002429_O	EH_DS002429	EH_DS006209	Irregular	Overflow	20		6.20	6.10					
EH_DS002429_O1	EH_DS002429	EH_DS006214	Irregular	Overflow	20		6.60	6.50					
EH_DS002429_O2	EH_DS002429	PL_DS004168	Irregular	Overflow	20		6.50	6.40					
EH_DS002432_O	EH_DS002432	EH_DS006216	Irregular	Overflow	20		5.30	5.20					
EH_DS002659_O1	EH_DS002659	EH_DS004837	Irregular	Overflow	20		5.15	5.10					
EH_DS002659_O2	EH_DS002659	EH_DS005434	Irregular	Overflow	20		5.15	5.10					
EH_DS002659_O3	EH_DS002659	EH_DS002671	Irregular	Overflow	20		4.80	4.70					
EH_DS002662_O1	EH_DS002662	EH_DS002661	Irregular	Overflow	20		4.40	4.30					
EH_DS002662_O2	EH_DS002662	EH_CC10998417	Irregular	Overflow	20		5.20	5.10					
EH_DS002663_O1	EH_DS002663	EH_DS004829	Irregular	Overflow	20		5.35	5.30					
EH_DS002663_O2	EH_DS002663	EH_DS002677	Irregular	Overflow	20		5.85	5.80					
EH_DS002667_O	EH_DS002667	EH_DS006929	Irregular	Overflow	20		3.75	3.70					
EH_DS002671_O	EH_DS002671	EH_DS002680	Irregular	Overflow	20		5.55	5.50					
EH_DS002675_O	EH_DS002675	EH_DS002659	Irregular	Overflow	20		6.65	6.60					
EH_DS002676_O	EH_DS002676	EH_DS002680	Irregular	Overflow	20		5.35	5.30					
EH_DS002677_O1	EH_DS002677	EH_DS006931	Irregular	Overflow	20		6.05	6.00					
EH_DS002677_O2	EH_DS002677	EH_DS002682	Irregular	Overflow	20		5.90	5.80					
EH_DS002678_O1	EH_DS002678	EH_DS002677	Irregular	Overflow	20		7.45	7.40					
EH_DS002678_O2	EH_DS002678	EH_DS002676	Irregular	Overflow	20		6.50	6.40					
EH_DS002680_O	EH_DS002680	EH_DS002661	Irregular	Overflow	20		4.60	4.50					
EH_DS002682_O	EH_DS002682	EH_DS002659	Irregular	Overflow	20		4.90	4.80					
EH_DS002684_O1	EH_DS002684	EH_DS003489	Irregular	Overflow	20		5.40	5.30					
EH_DS002684_O2	EH_DS002684	EH_DS003539	Irregular	Overflow	20		4.95	4.90					
EH_DS002686_O	EH_DS002686	EH_AGE999608	Irregular	Overflow	20		4.90	4.80					
EH_DS002689_O	EH_DS002689	EH_CC10998431	Irregular	Overflow	20		5.00	4.90					
EH_DS002697_O1	EH_DS002697	EH_DO000036	Irregular	Overflow	20		5.10	5.00					
EH_DS002697_O2	EH_DS002697	EH_DS003554	Irregular	Overflow	20		5.00	4.90					
EH_DS002698_O1	EH_DS002698	EH_DS002697	Irregular	Overflow	20		4.75	4.70					
EH_DS002698_O2	EH_DS002698	EH_DS009254	Irregular	Overflow	20		5.05	5.00					
EH_DS002705_O	EH_DS002705	EH_DS002707	Irregular	Overflow	20		4.90	4.80					
EH_DS002706_O	EH_DS002706	EH_DS002705	Irregular	Overflow	20		4.95	4.90					
EH_DS002707_O1	EH_DS002707	EH_DS003598	Irregular	Overflow	20		5.05	5.00					
EH_DS002707_O2	EH_DS002707	EH_DS003599	Irregular	Overflow	20		4.60	4.50					
EH_DS002746_O	EH_DS002746	EH_DO000130	Irregular	Overflow	20		5.25	5.20					
EH_DS002768_O	EH_DS002768	EH_DS002773	Irregular	Overflow	20		5.70	5.60					
EH_DS002773_O	EH_DS002773	EH_DS002775	Irregular	Overflow	20		5.50	5.40					
EH_DS002775_O	EH_DS002775	EH_DS002746	Irregular	Overflow	20		5.60	5.50					
EH_DS002777_O	EH_DS002777	EH_DO000130	Irregular	Overflow	20		5.60	5.50					
EH_DS002787_O	EH_DS002787	EH_DS002788	Irregular	Overflow	20		4.65	4.60					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS002788_O	EH_DS002788	EH_DS002680	Irregular	Overflow	20		4.75	4.70					
EH_DS003405_O1	EH_DS003405	EH_DS004070	Irregular	Overflow	20		5.20	5.10					
EH_DS003405_O2	EH_DS003405	EH_DS005389	Irregular	Overflow	20		5.55	5.50					
EH_DS003489_O	EH_DS003489	EH_CC10998435	Irregular	Overflow	20		3.20	3.10					
EH_DS003499_O	EH_DS003499	EH_DS005434	Irregular	Overflow	20		5.90	5.80					
EH_DS003508_O1	EH_DS003508	EH_CC10998429	Irregular	Overflow	20		4.25	4.20					
EH_DS003509_O1	EH_DS003509	EH_CC10998424	Irregular	Overflow	20		4.45	4.40					
EH_DS003509_O2	EH_DS003509	EH_DO000798	Irregular	Overflow	20		4.45	4.40					
EH_DS003510_O1	EH_DS003510	EH_DS003507	Irregular	Overflow	20		4.75	4.70					
EH_DS003515_O1	EH_DS003515	EH_DS002684	Irregular	Overflow	20		5.20	5.10					
EH_DS003515_O2	EH_DS003515	EH_AGE999667	Irregular	Overflow	20		4.80	4.70					
EH_DS003515_O3	EH_DS003515	EH_DS003532	Irregular	Overflow	20		4.85	4.80					
EH_DS003531_O1	EH_DS003531	EH_CC10998429	Irregular	Overflow	20		3.00	2.90					
EH_DS003531_O2	EH_DS003531	EH_DO000018	Irregular	Overflow	20		3.10	3.00					
EH_DS003532_O1	EH_DS003532	EH_AGE999667	Irregular	Overflow	20		4.75	4.70					
EH_DS003532_O2	EH_DS003532	EH_DS003590	Irregular	Overflow	20		4.55	4.50					
EH_DS003534_O	EH_DS003534	EH_DS003590	Irregular	Overflow	20		4.75	4.70					
EH_DS003535_O1	EH_DS003535	EH_DS003536	Irregular	Overflow	20		4.50	4.40					
EH_DS003535_O2	EH_DS003535	EH_DS004142	Irregular	Overflow	20		4.20	4.10					
EH_DS003537_O	EH_DS003537	EH_DS003539	Irregular	Overflow	20		4.35	4.30					
EH_DS003539_O	EH_DS003539	EH_DS003536	Irregular	Overflow	20		4.40	4.30					
EH_DS003546_O	EH_DS003546	EH_DS003604	Irregular	Overflow	20		5.45	5.40					
EH_DS003548_O1	EH_DS003548	EH_DS003546	Irregular	Overflow	20		5.05	5.00					
EH_DS003548_O2	EH_DS003548	EH_CC10998437	Irregular	Overflow	20		4.80	4.70					
EH_DS003566_O	EH_DS003566	EH_CC10998430	Irregular	Overflow	20		5.00	4.90					
EH_DS003592_O1	EH_DS003592	EH_DO000798	Irregular	Overflow	20		4.45	4.40					
EH_DS003592_O2	EH_DS003592	EH_CC10998424	Irregular	Overflow	20		4.45	4.40					
EH_DS003593_O1	EH_DS003593	EH_DS003548	Irregular	Overflow	20		5.35	5.30					
EH_DS003593_O2	EH_DS003593	EH_DS003603	Irregular	Overflow	20		5.05	5.00					
EH_DS003598_O	EH_DS003598	EH_DO000036	Irregular	Overflow	20		4.80	4.70					
EH_DS003599_O	EH_DS003599	EH_CC10998433	Irregular	Overflow	20		4.35	4.30					
EH_DS003600_O	EH_DS003600	EH_DS003509	Irregular	Overflow	20		4.55	4.50					
EH_DS003601_O1	EH_DS003601	EH_DS003608	Irregular	Overflow	20		5.40	5.30					
EH_DS003601_O2	EH_DS003601	EH_DS003548	Irregular	Overflow	20		5.00	4.90					
EH_DS003602_O	EH_DS003602	EH_DS002686	Irregular	Overflow	20		5.80	5.70					
EH_DS003603_O	EH_DS003603	EH_DS003602	Irregular	Overflow	20		5.10	5.00					
EH_DS003604_O1	EH_DS003604	EH_DS002706	Irregular	Overflow	20		5.20	5.10					
EH_DS003604_O2	EH_DS003604	EH_CC10998437	Irregular	Overflow	20		5.10	5.00					
EH_DS003608_O	EH_DS003608	EH_DS003546	Irregular	Overflow	20		5.10	5.00					
EH_DS003659_O	EH_DS003659	EH_DO000130	Irregular	Overflow	20		5.95	5.90					
EH_DS003666_O1	EH_DS003666	EH_DS004155	Irregular	Overflow	20		7.00	6.90					
EH_DS003666_O2	EH_DS003666	EH_DS002787	Irregular	Overflow	20		7.00	6.90					
EH_DS004036_O	EH_DS004036	EH_DS004097	Irregular	Overflow	20		4.65	4.60					
EH_DS004039_O	EH_DS004039	EH_DS004074	Irregular	Overflow	20		5.15	5.10					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS004042_O	EH_DS004042	EH_DS004134	Irregular	Overflow	20		4.40	4.30					
EH_DS004045_O1	EH_DS004045	EH_DS005327	Irregular	Overflow	20		7.80	7.70					
EH_DS004045_O2	EH_DS004045	EH_DS005315	Irregular	Overflow	20		7.75	7.70					
EH_DS004051_O1	EH_DS004051	EH_DS004056	Irregular	Overflow	20		4.70	4.60					
EH_DS004051_O2	EH_DS004051	EH_DS004132	Irregular	Overflow	20		4.60	4.50					
EH_DS004052_O1	EH_DS004052	EH_DS006650	Irregular	Overflow	20		5.50	5.40					
EH_DS004052_O2	EH_DS004052	EH_DS004088	Irregular	Overflow	20		5.10	5.00					
EH_DS004055_O	EH_DS004055	EH_DS004036	Irregular	Overflow	20		4.65	4.60					
EH_DS004056_O	EH_DS004056	EH_DS004132	Irregular	Overflow	20		4.60	4.50					
EH_DS004059_O1	EH_DS004059	EH_DS001084	Irregular	Overflow	20		4.80	4.70					
EH_DS004059_O2	EH_DS004059	EH_DS005306	Irregular	Overflow	20		4.70	4.60					
EH_DS004061_O	EH_DS004061	EH_DS004059	Irregular	Overflow	20		4.50	4.40					
EH_DS004065_O1	EH_DS004065	EH_DS005327	Irregular	Overflow	20		5.30	5.20					
EH_DS004065_O2	EH_DS004065	EH_DS008717	Irregular	Overflow	20		5.40	5.30					
EH_DS004070_O	EH_DS004070	EH_DS004056	Irregular	Overflow	20		5.00	4.90					
EH_DS004074_O	EH_DS004074	EH_DS004042	Irregular	Overflow	20		5.00	4.90					
EH_DS004075_O	EH_DS004075	EH_DS005308	Irregular	Overflow	20		4.80	4.70					
EH_DS004076_O1	EH_DS004076	EH_DS003515	Irregular	Overflow	20		5.10	5.00					
EH_DS004076_O2	EH_DS004076	EH_DS008322	Irregular	Overflow	20		5.30	5.20					
EH_DS004076_O3	EH_DS004076	EH_DS004147	Irregular	Overflow	20		5.40	5.30					
EH_DS004076_O4	EH_DS004076	EH_DS004090	Irregular	Overflow	20		5.40	5.30					
EH_DS004083_O	EH_DS004083	EH_DO000611	Irregular	Overflow	20		5.70	5.60					
EH_DS004084_O1	EH_DS004084	EH_AGE999661	Irregular	Overflow	20		4.45	4.40					
EH_DS004084_O2	EH_DS004084	EH_AGE999639	Irregular	Overflow	20		4.75	4.70					
EH_DS004088_O1	EH_DS004088	EH_DS004090	Irregular	Overflow	20		4.85	4.80					
EH_DS004088_O2	EH_DS004088	EH_AGE999661	Irregular	Overflow	20		4.85	4.80					
EH_DS004088_O3	EH_DS004088	EH_DS003535	Irregular	Overflow	20		4.55	4.50					
EH_DS004090_O	EH_DS004090	EH_DS004147	Irregular	Overflow	20		4.75	4.70					
EH_DS004095_O	EH_DS004095	EH_DS004090	Irregular	Overflow	20		4.75	4.70					
EH_DS004097_O1	EH_DS004097	EH_DS004083	Irregular	Overflow	20		5.35	5.30					
EH_DS004097_O2	EH_DS004097	EH_DS004076	Irregular	Overflow	20		5.30	5.20					
EH_DS004099_O1	EH_DS004099	EH_CC10998415	Irregular	Overflow	20		5.50	5.40					
EH_DS004099_O2	EH_DS004099	EH_DS005405	Irregular	Overflow	20		4.45	4.40					
EH_DS004132_O1	EH_DS004132	EH_DO000699	Irregular	Overflow	20		4.85	4.80					
EH_DS004132_O3	EH_DS004132	EH_DS004133	Irregular	Overflow	20		4.70	4.60					
EH_DS004134_O	EH_DS004134	EH_DS004135	Irregular	Overflow	20		5.60	5.50					
EH_DS004134_O1	EH_DS004134	EH_DS004059	Irregular	Overflow	20		4.30	4.20					
EH_DS004135_O	EH_DS004135	EH_AGE999665	Irregular	Overflow	20		4.10	4.00					
EH_DS004139_O1	EH_DS004139	EH_AGE999640	Irregular	Overflow	20		4.15	4.10					
EH_DS004139_o2	EH_DS004139	EH_CC10998420	Irregular	Overflow	20		3.80	3.70					
EH_DS004139_O3	EH_DS004139	EH_CC10998422	Irregular	Overflow	20		3.10	3.00					
EH_DS004140_O	EH_DS004140	EH_DS003508	Irregular	Overflow	20		4.10	4.00					
EH_DS004141_O1	EH_DS004141	EH_DS003507	Irregular	Overflow	20		4.45	4.40					
EH_DS004141_O2	EH_DS004141	EH_AGE999638	Irregular	Overflow	20		4.45	4.40					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS004142_O	EH_DS004142	EH_CC10998430	Irregular	Overflow	20		3.20	3.10					
EH_DS004147_O	EH_DS004147	EH_DS008322	Irregular	Overflow	20		4.50	4.40					
EH_DS004155_O1	EH_DS004155	EH_NID10942	Irregular	Overflow	20		6.40	6.30					
EH_DS004155_O2	EH_DS004155	TP_AGE999529	Irregular	Overflow	20		6.85	6.80					
EH_DS004155_O3	EH_DS004155	TP_DS005419	Irregular	Overflow	20		7.40	7.30					
EH_DS004829_O1	EH_DS004829	EH_DS006932	Irregular	Overflow	20		3.95	3.90					
EH_DS004829_O2	EH_DS004829	EH_DS004857	Irregular	Overflow	20		4.30	4.20					
EH_DS004842_O1	EH_DS004842	EH_DS006095	Irregular	Overflow	20		4.30	4.20					
EH_DS004842_O2	EH_DS004842	EH_DS004837	Irregular	Overflow	20		4.35	4.30					
EH_DS004850_O1	EH_DS004850	EH_DS006078	Irregular	Overflow	20		4.60	4.50					
EH_DS004850_O2	EH_DS004850	EH_DS004873	Irregular	Overflow	20		4.60	4.50					
EH_DS004855_O1	EH_DS004855	EH_DS003531	Irregular	Overflow	20		4.20	4.10					
EH_DS004855_O2	EH_DS004855	EH_CC10998430	Irregular	Overflow	20		4.10	4.00					
EH_DS004855_O3	EH_DS004855	EH_DS003566	Irregular	Overflow	20		5.40	5.30					
EH_DS004857_O	EH_DS004857	EH_DS006090	Irregular	Overflow	20		3.80	3.70					
EH_DS004867_O1	EH_DS004867	EH_DO000019	Irregular	Overflow	20		4.70	4.60					
EH_DS004867_O2	EH_DS004867	EH_DS009254	Irregular	Overflow	20		4.90	4.80					
EH_DS004871_O1	EH_DS004871	EH_DS000079	Irregular	Overflow	20		5.10	5.00					
EH_DS004871_O2	EH_DS004871	EH_DS004867	Irregular	Overflow	20		4.80	4.70					
EH_DS004873_O1	EH_DS004873	EH_DS006078	Irregular	Overflow	20		4.50	4.40					
EH_DS004873_O2	EH_DS004873	EH_DS008113	Irregular	Overflow	20		4.90	4.80					
EH_DS004873_O3	EH_DS004873	EH_DS004842	Irregular	Overflow	20		4.70	4.60					
EH_DS004873_O4	EH_DS004873	EH_DS004880	Irregular	Overflow	20		4.60	4.50					
EH_DS004875_O	EH_DS004875	EH_DS006078	Irregular	Overflow	20		6.10	6.00					
EH_DS004880_O1	EH_DS004880	EH_DS004882	Irregular	Overflow	20		4.80	4.70					
EH_DS004880_O3	EH_DS004880	EH_AGE999644	Irregular	Overflow	20		4.65	4.60					
EH_DS004882_O	EH_DS004882	EH_DS004883	Irregular	Overflow	20		4.55	4.50					
EH_DS004883_O	EH_DS004883	EH_DS004884	Irregular	Overflow	20		7.10	7.00					
EH_DS004884_O	EH_DS004884	EH_DS004875	Irregular	Overflow	20		6.50	6.40					
EH_DS004886_O	EH_DS004886	EH_DS004960	Irregular	Overflow	20		5.10	5.00					
EH_DS004887_O1	EH_DS004887	EH_DS004882	Irregular	Overflow	20		7.80	7.70					
EH_DS004887_O2	EH_DS004887	EH_DS004888	Irregular	Overflow	20		7.00	6.90					
EH_DS004888_O1	EH_DS004888	EH_DS006102	Irregular	Overflow	20		6.55	6.50					
EH_DS004888_O2	EH_DS004888	EH_AGE999636	Irregular	Overflow	20		7.05	7.00					
EH_DS004888_O3	EH_DS004888	EH_DS004884	Irregular	Overflow	20		6.90	6.80					
EH_DS004956_O1	EH_DS004956	EH_DS009254	Irregular	Overflow	20		4.50	4.40					
EH_DS004956_O2	EH_DS004956	EH_DS008720	Irregular	Overflow	20		5.00	4.90					
EH_DS004960_O1	EH_DS004960	EH_DS004967	Irregular	Overflow	20		5.15	5.10					
EH_DS004960_O2	EH_DS004960	EH_DS002768	Irregular	Overflow	20		5.75	5.70					
EH_DS004963_O	EH_DS004963	EH_AGE999642	Irregular	Overflow	20		6.10	6.00					
EH_DS004964_O1	EH_DS004964	EH_AGE999643	Irregular	Overflow	20		4.50	4.40					
EH_DS004964_O2	EH_DS004964	EH_AGE999642	Irregular	Overflow	20		4.40	4.30					
EH_DS004964_O3	EH_DS004964	EH_DS005412	Irregular	Overflow	20		4.30	4.20					
EH_DS004967_O1	EH_DS004967	EH_DS008806	Irregular	Overflow	20		5.05	5.00					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS004967_O2	EH_DS004967	EH_DS002773	Irregular	Overflow	20		5.35	5.30					
EH_DS005160_O1	EH_DS005160	EH_AGE999643	Irregular	Overflow	20		5.05	5.00					
EH_DS005160_O2	EH_DS005160	EH_DS004964	Irregular	Overflow	20		5.20	5.10					
EH_DS005306_O	EH_DS005306	EH_DS004056	Irregular	Overflow	20		4.85	4.80					
EH_DS005308_O1	EH_DS005308	EH_DS004059	Irregular	Overflow	20		4.55	4.50					
EH_DS005308_O2	EH_DS005308	EH_DS007405	Irregular	Overflow	20		5.70	5.60					
EH_DS005313_O	EH_DS005313	EH_DS005332	Irregular	Overflow	20		6.35	6.30					
EH_DS005315_O	EH_DS005315	EH_DS005313	Irregular	Overflow	20		6.35	6.30					
EH_DS005315_O1	EH_DS005315	SC_DS001887	Irregular	Overflow	20		5.80	5.70					
EH_DS005327_O1	EH_DS005327	LE_DS003990	Irregular	Overflow	20		5.80	5.70					
EH_DS005327_O2	EH_DS005327	EH_DS006650	Irregular	Overflow	20		5.60	5.50					
EH_DS005328_O	EH_DS005328	EH_DS004065	Irregular	Overflow	20		5.80	5.70					
EH_DS005332_O1	EH_DS005332	SC_DS001891	Irregular	Overflow	20		4.90	4.80					
EH_DS005332_O2	EH_DS005332	LEH_DS005384	Irregular	Overflow	20		6.45	6.40					
EH_DS005332_O3	EH_DS005332	EH_DS004070	Irregular	Overflow	20		5.10	5.00					
EH_DS005335_O	EH_DS005335	EH_DS005336	Irregular	Overflow	20		5.00	4.90					
EH_DS005336_O	EH_DS005336	BC_DS001907	Irregular	Overflow	20		4.95	4.90					
EH_DS005337_O1	EH_DS005337	EH_DS005336	Irregular	Overflow	20		4.55	4.50					
EH_DS005337_O2	EH_DS005337	EH_DS004055	Irregular	Overflow	20		4.80	4.70					
EH_DS005338_O	EH_DS005338	EH_DS005337	Irregular	Overflow	20		5.30	5.20					
EH_DS005339_O1	EH_DS005339	EH_AGE999619	Irregular	Overflow	20		6.55	6.50					
EH_DS005339_O2	EH_DS005339	EH_DS005338	Irregular	Overflow	20		6.30	6.20					
EH_DS005352_O1	EH_DS005352	EH_DS006687	Irregular	Overflow	20		5.05	5.00					
EH_DS005352_O2	EH_DS005352	EH_DS005397	Irregular	Overflow	20		5.05	5.00					
EH_DS005352_O3	EH_DS005352	LEH_DS005376	Irregular	Overflow	20		5.20	5.10					
EH_DS005374_O1	EH_DS005374	EH_DS006687	Irregular	Overflow	20		5.25	5.20					
EH_DS005374_O2	EH_DS005374	EH_DS004051	Irregular	Overflow	20		5.05	5.00					
EH_DS005374_O3	EH_DS005374	LEH_DS005361	Irregular	Overflow	20		5.30	5.20					
EH_DS005389_O1	EH_DS005389	LEH_DS005384	Irregular	Overflow	20		5.30	5.20					
EH_DS005389_O2	EH_DS005389	EH_AGE999646	Irregular	Overflow	20		5.30	5.20					
EH_DS005389_O3	EH_DS005389	EH_DS005374	Irregular	Overflow	20		5.40	5.30					
EH_DS005397_O1	EH_DS005397	EH_DS005405	Irregular	Overflow	20		4.50	4.40					
EH_DS005397_O2	EH_DS005397	LEH_DS005403	Irregular	Overflow	20		4.70	4.60					
EH_DS005408_O	EH_DS005408	EH_CC10998419	Irregular	Overflow	20		3.65	3.60					
EH_DS005412_O1	EH_DS005412	EH_DS005437	Irregular	Overflow	20		4.40	4.30					
EH_DS005412_O2	EH_DS005412	EH_AGE999644	Irregular	Overflow	20		4.35	4.30					
EH_DS005431_O1	EH_DS005431	EH_AGE999644	Irregular	Overflow	20		4.40	4.30					
EH_DS005431_O2	EH_DS005431	EH_DS005434	Irregular	Overflow	20		4.55	4.50					
EH_DS005434_O	EH_DS005434	EH_DS004837	Irregular	Overflow	20		4.55	4.50					
EH_DS005437_O	EH_DS005437	EH_DS005431	Irregular	Overflow	20		4.45	4.40					
EH_DS005438_O	EH_DS005438	EH_DS005437	Irregular	Overflow	20		4.65	4.60					
EH_DS005438_O1	EH_DS005438	EH_DMH000338	Irregular	Overflow	20		4.45	4.40					
EH_DS005440_O1	EH_DS005440	EH_CC10998419	Irregular	Overflow	20		4.30	4.20					
EH_DS005440_O2	EH_DS005440	EH_DS006930	Irregular	Overflow	20		3.65	3.60					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS006076_O1	EH_DS006076	EH_DS005440	Irregular	Overflow	20		4.55	4.50					
EH_DS006076_O2	EH_DS006076	EH_DS006936	Irregular	Overflow	20		4.10	4.00					
EH_DS006078_O1	EH_DS006078	EH_DS006942	Irregular	Overflow	20		4.40	4.30					
EH_DS006078_O2	EH_DS006078	EH_NID10704	Irregular	Overflow	20		4.00	3.90					
EH_DS006083_O1	EH_DS006083	EH_DS006091	Irregular	Overflow	20		3.80	3.70					
EH_DS006083_O2	EH_DS006083	EH_DS004873	Irregular	Overflow	20		4.50	4.40					
EH_DS006091_O	EH_DS006091	EH_DS006090	Irregular	Overflow	20		4.55	4.50					
EH_DS006095_O1	EH_DS006095	EH_DS004857	Irregular	Overflow	20		4.50	4.40					
EH_DS006095_O2	EH_DS006095	EH_DS006083	Irregular	Overflow	20		4.65	4.60					
EH_DS006108_O	EH_DS006108	EH_DS006102	Irregular	Overflow	20		5.25	5.20					
EH_DS006203_O	EH_DS006203	EH_DS004886	Irregular	Overflow	20		5.65	5.60					
EH_DS006209_O	EH_DS006209	EH_DS002768	Irregular	Overflow	20		5.10	5.00					
EH_DS006214_O	EH_DS006214	EH_DS006216	Irregular	Overflow	20		5.50	5.40					
EH_DS006650_O1	EH_DS006650	EH_AGE999661	Irregular	Overflow	20		5.30	5.20					
EH_DS006650_O2	EH_DS006650	EH_DS004039	Irregular	Overflow	20		5.30	5.20					
EH_DS006650_O3	EH_DS006650	EH_DS004074	Irregular	Overflow	20		5.35	5.30					
EH_DS006651_O	EH_DS006651	EH_DS004132	Irregular	Overflow	20		4.50	4.40					
EH_DS006655_O1	EH_DS006655	EH_DS004099	Irregular	Overflow	20		4.65	4.60					
EH_DS006655_O2	EH_DS006655	EH_DS006651	Irregular	Overflow	20		4.75	4.70					
EH_DS006656_O1	EH_DS006656	EH_DO000698	Irregular	Overflow	20		5.30	5.20					
EH_DS006656_O2	EH_DS006656	EH_DS004056	Irregular	Overflow	20		5.20	5.10					
EH_DS006687_O	EH_DS006687	EH_DS006651	Irregular	Overflow	20		4.80	4.70					
EH_DS006929_O	EH_DS006929	EH_DS005440	Irregular	Overflow	20		3.70	3.60					
EH_DS006930_O	EH_DS006930	EH_DS006927	Irregular	Overflow	20		3.60	3.50					
EH_DS006931_O	EH_DS006931	EH_DS007465	Irregular	Overflow	20		5.40	5.30					
EH_DS006932_O	EH_DS006932	EH_DS004857	Irregular	Overflow	20		4.40	4.30					
EH_DS006933_O1	EH_DS006933	EH_DS006927	Irregular	Overflow	20		3.70	3.60					
EH_DS006933_O2	EH_DS006933	EH_DS002667	Irregular	Overflow	20		3.85	3.80					
EH_DS006936_O	EH_DS006936	EH_DS004829	Irregular	Overflow	20		4.30	4.20					
EH_DS006942_O1	EH_DS006942	EH_DS006083	Irregular	Overflow	20		4.20	4.10					
EH_DS006942_O2	EH_DS006942	EH_DS006933	Irregular	Overflow	20		4.00	3.90					
EH_DS006942_O3	EH_DS006942	EH_DS006927	Irregular	Overflow	20		4.00	3.90					
EH_DS007063_O1	EH_DS007063	EH_AGE999642	Irregular	Overflow	20		5.05	5.00					
EH_DS007063_O2	EH_DS007063	EH_DS004964	Irregular	Overflow	20		4.70	4.60					
EH_DS007465_O	EH_DS007465	EH_CC10998417	Irregular	Overflow	20		3.40	3.30					
EH_DS007883_O1	EH_DS007883	EH_DS002432	Irregular	Overflow	20		5.50	5.40					
EH_DS007883_O2	EH_DS007883	EH_DS002777	Irregular	Overflow	20		5.50	5.40					
EH_DS008113_O1	EH_DS008113	EH_DS004842	Irregular	Overflow	20		4.80	4.70					
EH_DS008113_O2	EH_DS008113	EH_AGE999644	Irregular	Overflow	20		4.70	4.60					
EH_DS008245_O	EH_DS008245	EH_DS008247	Irregular	Overflow	20		6.45	6.40					
EH_DS008247_O	EH_DS008247	441_AGE999614	Irregular	Overflow	20		5.20	5.10					
EH_DS008322_O1	EH_DS008322	EH_DS003537	Irregular	Overflow	20		4.50	4.40					
EH_DS008322_O2	EH_DS008322	EH_DS003536	Irregular	Overflow	20		4.50	4.40					
EH_DS008322_O3	EH_DS008322	EH_DS003535	Irregular	Overflow	20		4.45	4.40					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_DS008717_O	EH_DS008717	EH_DS004052	Irregular	Overflow	20		5.30	5.20					
EH_DS008720_O1	EH_DS008720	EH_DS004871	Irregular	Overflow	20		5.00	4.90					
EH_DS008720_O2	EH_DS008720	EH_DS006108	Irregular	Overflow	20		5.10	5.00					
EH_DS008806_O1	EH_DS008806	EH_DS004956	Irregular	Overflow	20		5.10	5.00					
EH_DS008806_O2	EH_DS008806	EH_DS003659	Irregular	Overflow	20		5.80	5.70					
EH_DS008806_O3	EH_DS008806	EH_DS002746	Irregular	Overflow	20		5.65	5.60					
EH_DS009254_O	EH_DS009254	EH_DS004855	Irregular	Overflow	20		4.30	4.20					
EH_NID10704_O	EH_NID10704	EH_DO000013	Irregular	Overflow	20		2.20	2.10					
EH_NID10942_O	EH_NID10942	EH_DS002671	Irregular	Overflow	20		5.50	5.40					
HC_AGE999302_O1	HC_AGE999302	HH_DS004241	Irregular	Overflow	20		7.60	7.50					
HC_AGE999302_O2	HC_AGE999302	HC_AGE999309	Irregular	Overflow	20		7.70	7.60					
HC_AGE999303_O	HC_AGE999303	HC_DMH000115	Irregular	Overflow	20		8.70	8.60					
HC_AGE999305_O	HC_AGE999305	HC_AGE999308	Irregular	Overflow	20		7.90	7.80					
HC_AGE999307_O	HC_AGE999307	HC_DS001207	Irregular	Overflow	20		13.20	13.10					
HC_AGE999308_O1	HC_AGE999308	HC_AGE999306	Irregular	Overflow	20		9.00	8.90					
HC_AGE999308_O2	HC_AGE999308	HH_AGE999321	Irregular	Overflow	20		9.10	9.00					
HC_AGE999310_O	HC_AGE999310	HC_DS004521	Irregular	Overflow	20		5.50	5.40					
HC_AGE999320_O	HC_AGE999320	HH_AGE999321	Irregular	Overflow	20		8.35	8.30					
HC_AGE999341_O	HC_AGE999341	HC_AGE999302	Irregular	Overflow	20		8.25	8.20					
HC_DMH000115_O	HC_DMH000115	HC_NID9881	Irregular	Overflow	20		9.00	8.90					
HC_DO000101_O1	HC_DO000101	HC_AGE999309	Irregular	Overflow	20		7.30	7.20					
HC_DO000101_O2	HC_DO000101	HC_AGE999305	Irregular	Overflow	20		8.00	7.90					
HC_DO000103_O	HC_DO000103	HC_DO000101	Irregular	Overflow	20		10.10	10.00					
HC_DO000108_O2	HC_DO000108	HC_DS000223	Irregular	Overflow	20		10.15	10.10					
HC_DS000219_O1	HC_DS000219	HC_AGE999305	Irregular	Overflow	20		7.60	7.50					
HC_DS000219_O2	HC_DS000219	HC_AGE999320	Irregular	Overflow	20		8.20	8.10					
HC_DS000220_O1	HC_DS000220	HC_DS000221	Irregular	Overflow	20		8.60	8.50					
HC_DS000220_O2	HC_DS000220	HH_DS001194	Irregular	Overflow	20		8.65	8.60					
HC_DS000221_O	HC_DS000221	HC_DS001201	Irregular	Overflow	20		8.75	8.70					
HC_DS000223_O1	HC_DS000223	HC_DO000103	Irregular	Overflow	20		10.40	10.30					
HC_DS000223_O2	HC_DS000223	HC_DS009965	Irregular	Overflow	20		9.40	9.30					
HC_DS000242_O	HC_DS000242	HC_AGE999305	Irregular	Overflow	20		8.80	8.70					
HC_DS000248_O	HC_DS000248	HC_FDOT9836	Irregular	Overflow	20		8.70	8.60					
HC_DS000266_O1	HC_DS000266	HC_DS007026	Irregular	Overflow	20		9.45	9.40					
HC_DS000266_O2	HC_DS000266	WP_DS001499	Irregular	Overflow	20		10.00	9.90					
HC_DS000266_O3	HC_DS000266	WP_AGE999300	Irregular	Overflow	20		9.90	9.80					
HC_DS000565_O1	HC_DS000565	HC_DS004521	Irregular	Overflow	20		7.40	7.30					
HC_DS000565_O2	HC_DS000565	HC_DS008831	Irregular	Overflow	20		8.90	8.80					
HC_DS000570_O1	HC_DS000570	HC_DS001207	Irregular	Overflow	20		7.65	7.60					
HC_DS000570_O2	HC_DS000570	HC_DS000565	Irregular	Overflow	20		7.50	7.40					
HC_DS001201_O	HC_DS001201	HC_DS001207	Irregular	Overflow	20		6.40	6.30					
HC_DS001203_O	HC_DS001203	HC_DS001207	Irregular	Overflow	20		7.15	7.10					
HC_DS001204_O	HC_DS001204	HC_DS000570	Irregular	Overflow	20		7.50	7.40					
HC_DS001453_O	HC_DS001453	HH_AGE999321	Irregular	Overflow	20		6.70	6.60					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HC_DS001503_O	HC_DS001503	HC_AGE999304	Irregular	Overflow	20		8.45	8.40					
HC_DS004512_O	HC_DS004512	PKE_DS000903	Irregular	Overflow	20		5.80	5.70					
HC_DS004512_O2	HC_DS004512	HC_DS008831	Irregular	Overflow	20		6.10	6.00					
HC_DS004521_O	HC_DS004521	HC_DS004512	Irregular	Overflow	20		5.20	5.10					
HC_DS007026_O	HC_DS007026	HC_DMH000115	Irregular	Overflow	20		9.00	8.90					
HC_DS008252_O1	HC_DS008252	PKE_FDOT9849	Irregular	Overflow	20		8.50	8.40					
HC_DS008252_O2	HC_DS008252	HC_AGE999310	Irregular	Overflow	20		7.50	7.40					
HC_DS008511_O1	HC_DS008511	HC_DS000219	Irregular	Overflow	20		9.60	9.50					
HC_DS008511_O2	HC_DS008511	HC_AGE999320	Irregular	Overflow	20		9.40	9.30					
HC_DS008831_O	HC_DS008831	HH_DS001195	Irregular	Overflow	20		5.75	5.70					
HC_DS009859_O1	HC_DS009859	HC_DS001453	Irregular	Overflow	20		9.75	9.70					
HC_DS009859_O2	HC_DS009859	HC_AGE999306	Irregular	Overflow	20		9.85	9.80					
HC_DS009965_O1	HC_DS009965	HC_DO000103	Irregular	Overflow	20		10.40	10.30					
HC_DS009965_O2	HC_DS009965	HC_AGE999301	Irregular	Overflow	20		9.40	9.30					
HC_FDOT9836_O	HC_FDOT9836	HC_AGE999304	Irregular	Overflow	20		8.30	8.20					
HC_NID9858_O	HC_NID9858	HC_DS000248	Irregular	Overflow	20		8.60	8.50					
HC_NID9881_O	HC_NID9881	HC_NID9858	Irregular	Overflow	20		8.80	8.70					
HC_NSN15851_O1	HC_NSN15851	HC_DS008252	Irregular	Overflow	20		8.40	8.30					
HC_NSN15851_O2	HC_NSN15851	HC_DS001204	Irregular	Overflow	20		8.50	8.40					
HG_AGE999311_O	HG_AGE999311	HG_DS003844	Irregular	Overflow	20		5.80	5.70					
HG_AGE999383_O	HG_AGE999383	HG_DS008601	Irregular	Overflow	20		6.80	6.70					
HG_AGE999426_O1	HG_AGE999426	HG_DS005822	Irregular	Overflow	20		9.40	9.30					
HG_AGE999426_O2	HG_AGE999426	HG_DS003086	Irregular	Overflow	20		9.30	9.20					
HG_AGE999426_O3	HG_AGE999426	HG_DS003205	Irregular	Overflow	20		9.30	9.20					
HG_AGE999427	HG_AGE999427	HG_DS001585	Irregular	Overflow	20		9.00	8.90					
HG_AGE999430_O	HG_AGE999430	HG_DS005907	Irregular	Overflow	20		4.80	4.70					
HG_AGE999431_O1	HG_AGE999431	HG_DMH000329	Irregular	Overflow	20		9.45	9.40					
HG_AGE999431_O2	HG_AGE999431	HG_DS008584	Irregular	Overflow	20		9.20	9.10					
HG_AGE999441_O	HG_AGE999441	HG_DS005831	Irregular	Overflow	20		6.75	6.70					
HG_AGE999442_O1	HG_AGE999442	HG_AGE999441	Irregular	Overflow	20		5.80	5.70					
HG_AGE999442_O2	HG_AGE999442	HG_AGE999383	Irregular	Overflow	20		7.10	7.00					
HG_AGE999445_O	HG_AGE999445	HG_AGE999443	Irregular	Overflow	20		4.05	4.00					
HG_DMH000304_O	HG_DMH000304	HG_DS004420	Irregular	Overflow	20		6.65	6.60					
HG_DMH000329_O	HG_DMH000329	HG_DS001753	Irregular	Overflow	20		9.80	9.70					
HG_DMH000329_O	HG_DMH000329	HG_DS000705	Irregular	Overflow	20		9.95	9.90					
HG_DMH000329_O	HG_DMH000329	HG_DS001674	Irregular	Overflow	20		9.80	9.70					
HG_DO000278_O	HG_DO000278	HG_DS004590	Irregular	Overflow	20		7.20	7.10					
HG_DO000551_O	HG_DO000551	HG_AGE999445	Irregular	Overflow	20		5.75	5.70					
HG_DS000549_O1	HG_DS000549	HG_DS004446	Irregular	Overflow	20		9.80	9.70					
HG_DS000549_O2	HG_DS000549	HG_DS001584	Irregular	Overflow	20		10.20	10.10					
HG_DS000705_O	HG_DS000705	HG_DS000706	Irregular	Overflow	20		9.45	9.40					
HG_DS000706_O	HG_DS000706	HG_DS001762	Irregular	Overflow	20		9.80	9.70					
HG_DS001584_O	HG_DS001584	HG_DS001585	Irregular	Overflow	20		7.35	7.30					
HG_DS001585_O	HG_DS001585	HG_DMH000329	Irregular	Overflow	20		8.00	7.90					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS001594_O1	HG_DS001594	HG_DO000318	Irregular	Overflow	20		8.10	8.00					
HG_DS001623_O	HG_DS001623	HG_DS003225	Irregular	Overflow	20		8.10	8.00					
HG_DS001638_O	HG_DS001638	HG_DS001683	Irregular	Overflow	20		8.90	8.80					
HG_DS001671_O	HG_DS001671	HG_DS001623	Irregular	Overflow	20		10.60	10.50					
HG_DS001674_O1	HG_DS001674	HG_DS000705	Irregular	Overflow	20		9.65	9.60					
HG_DS001674_O2	HG_DS001674	HG_DS003962	Irregular	Overflow	20		9.75	9.70					
HG_DS001678_O	HG_DS001678	BC_DS001679	Irregular	Overflow	20		8.80	8.70					
HG_DS001682_O	HG_DS001682	HG_DS001762	Irregular	Overflow	20		10.10	10.00					
HG_DS001683_O	HG_DS001683	HG_DS002460	Irregular	Overflow	20		8.20	8.10					
HG_DS001686_O	HG_DS008580	HG_DS003962	Irregular	Overflow	20		7.90	7.80					
HG_DS001753_O	HG_DS001753	HG_DS003253	Irregular	Overflow	20		8.45	8.40					
HG_DS001762_O	HG_DS001762	BC_DS001757	Irregular	Overflow	20		8.75	8.70					
HG_DS002460_O	HG_DS002460	HG_DS008580	Irregular	Overflow	20		8.60	8.50					
HG_DS003086_O	HG_DS003086	HG_DMH000304	Irregular	Overflow	20		7.05	7.00					
HG_DS003205_O	HG_DS003205	HG_DS003086	Irregular	Overflow	20		7.45	7.40					
HG_DS003233_O	HG_DS003233	HG_DS001762	Irregular	Overflow	20		8.75	8.70					
HG_DS003243_O	HG_DS003243	HG_DS000705	Irregular	Overflow	20		9.30	9.20					
HG_DS003244_O1	HG_DS003244	HG_DS003225	Irregular	Overflow	20		9.60	9.50					
HG_DS003244_O2	HG_DS003244	HG_DS003243	Irregular	Overflow	20		9.05	9.00					
HG_DS003253_O	HG_DS003253	HG_DS003225	Irregular	Overflow	20		9.20	9.10					
HG_DS003844_O	HG_DS003844	HG_DS005907	Irregular	Overflow	20		6.30	6.20					
HG_DS003853_O1	HG_DS003853	HG_DS000549	Irregular	Overflow	20		10.20	10.10					
HG_DS003853_O2	HG_DS003853	HG_DS001584	Irregular	Overflow	20		10.20	10.10					
HG_DS003956_O1	HG_DS003956	PKE_DO000457	Irregular	Overflow	20		6.20	6.10					
HG_DS003956_O2	HG_DS003956	HG_DS004590	Irregular	Overflow	20		7.05	7.00					
HG_DS003956_O3	HG_DS003956	PKE_CHC98350	Irregular	Overflow	20		7.20	7.10					
HG_DS003962_O1	HG_DS003962	BC_DS003961	Irregular	Overflow	20		8.10	8.00					
HG_DS003962_O2	HG_DS003962	HG_DS001762	Irregular	Overflow	20		9.05	9.00					
HG_DS004420_O	HG_DS004420	HG_DS004590	Irregular	Overflow	20		6.30	6.20					
HG_DS004446_O	HG_DS004446	HG_DS001584	Irregular	Overflow	20		8.85	8.80					
HG_DS004516_O	HG_DS004516	HG_DS001671	Irregular	Overflow	20		10.20	10.10					
HG_DS004563_O	HG_DS004563	HG_DS004516	Irregular	Overflow	20		11.00	10.90					
HG_DS004590_O	HG_DS004590	HG_DO000759	Irregular	Overflow	20		6.35	6.30					
HG_DS005822_O	HG_DS005822	HG_DS008601	Irregular	Overflow	20		6.55	6.50					
HG_DS005824_O1	HG_DS005824	HG_DS008559	Irregular	Overflow	20		11.30	11.20					
HG_DS005824_O2	HG_DS005824	HG_DS005890	Irregular	Overflow	20		11.50	11.40					
HG_DS005831_O	HG_DS005831	HG_AGE999430	Irregular	Overflow	20		6.00	5.90					
HG_DS005890_O1	HG_DS005890	HG_DS005831	Irregular	Overflow	20		9.50	9.40					
HG_DS005890_O2	HG_DS005890	HG_DS005905	Irregular	Overflow	20		9.90	9.80					
HG_DS005905_O	HG_DS005905	HG_AGE999430	Irregular	Overflow	20		8.60	8.50					
HG_DS007889_O1	HG_DS007889	HG_DS001584	Irregular	Overflow	20		7.95	7.90					
HG_DS007889_O2	HG_DS007889	HG_DS001585	Irregular	Overflow	20		7.80	7.70					
HG_DS008023_O	HG_DS008023	HG_DS003205	Irregular	Overflow	20		8.45	8.40					
HG_DS008026_O	HG_DS008026	HG_DS008023	Irregular	Overflow	20		9.20	9.10					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS008027_O	HG_DS008027	HG_DS008026	Irregular	Overflow	20		9.90	9.80					
HG_DS008027_O1	HG_DS008027	HG_DS005890	Irregular	Overflow	20		10.90	10.80					
HG_DS008559_O	HG_DS008559	HG_DS003853	Irregular	Overflow	20		10.30	10.20					
HG_DS008584_O	HG_DS008584	HG_DS003844	Irregular	Overflow	20		7.80	7.70					
HG_DS009177_O	HG_DS009177	HG_DS003205	Irregular	Overflow	20		9.55	9.50					
HGW_AGE999359_I	HGW_AGE999359	HGW_DS006184	Irregular	Overflow	20		8.30	8.20					
HGW_AGE999359_I	HGW_AGE999359	HH_DS000323	Irregular	Overflow	20		8.00	7.90					
HGW_AGE999359_I	HGW_AGE999359	HGW_DS005466	Irregular	Overflow	20		8.10	8.00					
HGW_AGE999360_I	HGW_AGE999360	HH_DS000154	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999360_I	HGW_AGE999360	HH_AGE999361	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999360_I	HGW_AGE999360	HGW_DS005466	Irregular	Overflow	20		8.45	8.40					
HGW_AGE999586_I	HGW_AGE999586	HH_AGE999579	Irregular	Overflow	20		8.00	7.90					
HGW_AGE999586_I	HGW_AGE999586	HGW_AGE999590	Irregular	Overflow	20		8.20	8.10					
HGW_AGE999587_I	HGW_AGE999587	HGW_AGE999586	Irregular	Overflow	20		9.00	8.90					
HGW_AGE999587_I	HGW_AGE999587	HGW_AGE999590	Irregular	Overflow	20		8.90	8.80					
HGW_AGE999587_I	HGW_AGE999587	HGW_AGE999588	Irregular	Overflow	20		8.75	8.70					
HGW_AGE999588_I	HGW_AGE999588	HGW_AGE999590	Irregular	Overflow	20		8.60	8.50					
HGW_AGE999588_I	HGW_AGE999588	HGW_AGE999594	Irregular	Overflow	20		8.90	8.80					
HGW_AGE999591_I	HGW_AGE999591	HGW_AGE999588	Irregular	Overflow	20		9.20	9.10					
HGW_AGE999591_I	HGW_AGE999591	HGW_AGE999593	Irregular	Overflow	20		9.60	9.50					
HGW_AGE999592_I	HGW_AGE999592	HGW_AGE999591	Irregular	Overflow	20		9.95	9.90					
HGW_AGE999592_I	HGW_AGE999592	HGW_AGE999593	Irregular	Overflow	20		9.80	9.70					
HGW_AGE999593_I	HGW_AGE999593	HGW_AGE999594	Irregular	Overflow	20		9.00	8.90					
HGW_AGE999594_I	HGW_AGE999594	HGW_AGE999590	Irregular	Overflow	20		8.85	8.80					
HGW_AGE999594_I	HGW_AGE999594	HGW_AGE999595	Irregular	Overflow	20		8.95	8.90					
HGW_AGE999594_I	HGW_AGE999594	HGW_AGE999596	Irregular	Overflow	20		9.20	9.10					
HGW_AGE999595_I	HGW_AGE999595	HGW_AGE999590	Irregular	Overflow	20		8.75	8.70					
HGW_AGE999596_I	HGW_AGE999596	HH_AGE999570	Irregular	Overflow	20		9.50	9.40					
HGW_AGE999596_I	HGW_AGE999596	HGW_AGE999595	Irregular	Overflow	20		9.10	9.00					
HGW_AGE999730_I	HGW_AGE999730	HGW_AGE999359	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999734_I	HGW_AGE999734	HGW_AGE999730	Irregular	Overflow	20		8.30	8.20					
HGW_AGE999734_I	HGW_AGE999734	HGW_DS005466	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999735_I	HGW_AGE999735	HGW_AGE999734	Irregular	Overflow	20		8.25	8.20					
HGW_AGE999735_I	HGW_AGE999735	HGW_DS005466	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999738_I	HGW_AGE999738	HGW_AGE999739	Irregular	Overflow	20		8.70	8.60					
HGW_AGE999738_I	HGW_AGE999738	HGW_AGE999735	Irregular	Overflow	20		8.55	8.50					
HGW_AGE999738_I	HGW_AGE999738	HGW_AGE999360	Irregular	Overflow	20		8.80	8.70					
HGW_AGE999746_I	HGW_AGE999746	HGW_DS004949	Irregular	Overflow	20		9.40	9.30					
HGW_AGE999746_I	HGW_AGE999746	HGW_DS009811	Irregular	Overflow	20		9.30	9.20					
HGW_DS004949_O	HGW_DS004949	HGW_DS009818	Irregular	Overflow	20		9.15	9.10					
HGW_DS004949_O	HGW_DS004949	HGW_AGE999586	Irregular	Overflow	20		9.10	9.00					
HGW_DS005466_O	HGW_DS005466	HH_DS000323	Irregular	Overflow	20		8.00	7.90					
HGW_DS006182_O	HGW_DS006182	HH_DS000154	Irregular	Overflow	20		8.80	8.70					
HGW_DS006182_O	HGW_DS006182	HH_DS007590	Irregular	Overflow	20		8.85	8.80					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HGW_DS006184_O	HGW_DS006184	HH_DS003609	Irregular	Overflow	20		8.20	8.10					
HGW_DS009462_O	HGW_DS009462	HH_DS003609	Irregular	Overflow	20		8.50	8.40					
HGW_DS009811_O	HGW_DS009811	HGW_DS009818	Irregular	Overflow	20		9.35	9.30					
HGW_DS009818_O	HGW_DS009818	HH_AGE999655	Irregular	Overflow	20		8.70	8.60					
HH_AGE999313_O1	HH_AGE999313	HH_DS000181	Irregular	Overflow	20		7.90	7.80					
HH_AGE999313_O2	HH_AGE999313	HH_AGE999314	Irregular	Overflow	20		8.00	7.90					
HH_AGE999314_O1	HH_AGE999314	HH_AGE999372	Irregular	Overflow	20		8.35	8.30					
HH_AGE999314_O2	HH_AGE999314	HH_AGE999317	Irregular	Overflow	20		7.40	7.30					
HH_AGE999315_O	HH_AGE999315	HH_AGE999373	Irregular	Overflow	20		8.50	8.40					
HH_AGE999316_O1	HH_AGE999316	HH_DS000183	Irregular	Overflow	20		7.55	7.50					
HH_AGE999316_O2	HH_AGE999316	HH_AGE999314	Irregular	Overflow	20		7.60	7.50					
HH_AGE999317_O	HH_AGE999317	HH_AGE999372	Irregular	Overflow	20		8.30	8.20					
HH_AGE999318_O1	HH_AGE999318	HH_AGE999326	Irregular	Overflow	20		7.55	7.50					
HH_AGE999318_O2	HH_AGE999318	HH_DS000183	Irregular	Overflow	20		7.40	7.30					
HH_AGE999319_O	HH_AGE999319	HH_DS001192	Irregular	Overflow	20		6.40	6.30					
HH_AGE999321_O	HH_AGE999321	HH_AGE999330	Irregular	Overflow	20		6.50	6.40					
HH_AGE999321_O2	HH_AGE999321	HH_AGE999322	Irregular	Overflow	20		6.55	6.50					
HH_AGE999322_O	HH_AGE999322	HH_AGE999323	Irregular	Overflow	20		6.60	6.50					
HH_AGE999324_O1	HH_AGE999324	HH_AGE999322	Irregular	Overflow	20		6.60	6.50					
HH_AGE999324_O2	HH_AGE999324	HH_AGE999325	Irregular	Overflow	20		6.70	6.60					
HH_AGE999324_O3	HH_AGE999324	HH_AGE999327	Irregular	Overflow	20		6.90	6.80					
HH_AGE999325_O	HH_AGE999325	HH_AGE999323	Irregular	Overflow	20		6.70	6.60					
HH_AGE999326_O1	HH_AGE999326	HH_AGE999324	Irregular	Overflow	20		7.10	7.00					
HH_AGE999326_O2	HH_AGE999326	HH_DS000183	Irregular	Overflow	20		7.15	7.10					
HH_AGE999326_O3	HH_AGE999326	HH_AGE999317	Irregular	Overflow	20		7.25	7.20					
HH_AGE999327_O1	HH_AGE999327	HH_AGE999326	Irregular	Overflow	20		6.90	6.80					
HH_AGE999327_O2	HH_AGE999327	HH_AGE999328	Irregular	Overflow	20		6.60	6.50					
HH_AGE999328_O	HH_AGE999328	HH_AGE999329	Irregular	Overflow	20		6.90	6.80					
HH_AGE999329_O1	HH_AGE999329	HH_AGE999317	Irregular	Overflow	20		7.35	7.30					
HH_AGE999329_O2	HH_AGE999329	HH_DS000180	Irregular	Overflow	20		7.30	7.20					
HH_AGE999330_O	HH_AGE999330	HH_AGE999323	Irregular	Overflow	20		6.55	6.50					
HH_AGE999330_O1	HH_AGE999330	HC_AGE999309	Irregular	Overflow	20		6.90	6.80					
HH_AGE999331_O1	HH_AGE999331	HH_AGE999330	Irregular	Overflow	20		7.25	7.20					
HH_AGE999331_O2	HH_AGE999331	HH_AGE999325	Irregular	Overflow	20		7.40	7.30					
HH_AGE999331_O3	HH_AGE999331	HH_AGE999332	Irregular	Overflow	20		7.70	7.60					
HH_AGE999332_O1	HH_AGE999332	HH_AGE999333	Irregular	Overflow	20		7.75	7.70					
HH_AGE999332_O2	HH_AGE999332	HH_AGE999328	Irregular	Overflow	20		7.85	7.80					
HH_AGE999332_O3	HH_AGE999332	HH_AGE999338	Irregular	Overflow	20		7.80	7.70					
HH_AGE999333_O1	HH_AGE999333	HH_AGE999334	Irregular	Overflow	20		7.70	7.60					
HH_AGE999333_O2	HH_AGE999333	HH_AGE999329	Irregular	Overflow	20		7.85	7.80					
HH_AGE999333_O3	HH_AGE999333	HH_AGE999337	Irregular	Overflow	20		7.65	7.60					
HH_AGE999334_O1	HH_AGE999334	HH_AGE999335	Irregular	Overflow	20		7.60	7.50					
HH_AGE999334_O2	HH_AGE999334	HH_AGE999329	Irregular	Overflow	20		7.75	7.70					
HH_AGE999334_O3	HH_AGE999334	HH_AGE999337	Irregular	Overflow	20		7.70	7.60					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_AGE999335_O1	HH_AGE999335	HH_DS004228	Irregular	Overflow	20		7.25	7.20					
HH_AGE999335_O2	HH_AGE999335	HH_DS000180	Irregular	Overflow	20		7.40	7.30					
HH_AGE999335_O3	HH_AGE999335	HH_AGE999336	Irregular	Overflow	20		7.85	7.80					
HH_AGE999336_O1	HH_AGE999336	HH_AGE999337	Irregular	Overflow	20		7.65	7.60					
HH_AGE999336_O2	HH_AGE999336	HH_AGE999345	Irregular	Overflow	20		7.80	7.70					
HH_AGE999337_O	HH_AGE999337	HH_AGE999344	Irregular	Overflow	20		6.95	6.90					
HH_AGE999338_O1	HH_AGE999338	HH_AGE999344	Irregular	Overflow	20		7.15	7.10					
HH_AGE999338_O2	HH_AGE999338	HH_AGE999337	Irregular	Overflow	20		6.95	6.90					
HH_AGE999339_O1	HH_AGE999339	HH_AGE999340	Irregular	Overflow	20		7.65	7.60					
HH_AGE999339_O2	HH_AGE999339	HH_AGE999343	Irregular	Overflow	20		7.55	7.50					
HH_AGE999339_O3	HH_AGE999339	HH_AGE999338	Irregular	Overflow	20		7.45	7.40					
HH_AGE999339_O4	HH_AGE999339	HH_AGE999331	Irregular	Overflow	20		7.70	7.60					
HH_AGE999340_O1	HH_AGE999340	HH_DS004241	Irregular	Overflow	20		7.60	7.50					
HH_AGE999340_O2	HH_AGE999340	HH_AGE999342	Irregular	Overflow	20		7.55	7.50					
HH_AGE999342_O1	HH_AGE999342	HH_AGE999343	Irregular	Overflow	20		7.60	7.50					
HH_AGE999342_O2	HH_AGE999342	HH_DS004241	Irregular	Overflow	20		7.65	7.60					
HH_AGE999343_O	HH_AGE999343	HH_AGE999344	Irregular	Overflow	20		7.05	7.00					
HH_AGE999344_O	HH_AGE999344	HH_AGE999347	Irregular	Overflow	20		6.95	6.90					
HH_AGE999345_O	HH_AGE999345	HH_AGE999344	Irregular	Overflow	20		6.95	6.90					
HH_AGE999346_O1	HH_AGE999346	HH_AGE999347	Irregular	Overflow	20		6.60	6.50					
HH_AGE999346_O2	HH_AGE999346	HH_AGE999345	Irregular	Overflow	20		7.10	7.00					
HH_AGE999348_O1	HH_AGE999348	HH_AGE999347	Irregular	Overflow	20		7.20	7.10					
HH_AGE999348_O2	HH_AGE999348	HH_AGE999343	Irregular	Overflow	20		7.45	7.40					
HH_AGE999349_O1	HH_AGE999349	HH_AGE999348	Irregular	Overflow	20		7.80	7.70					
HH_AGE999349_O2	HH_AGE999349	HH_AGE999343	Irregular	Overflow	20		8.00	7.90					
HH_AGE999350_O1	HH_AGE999350	HH_AGE999349	Irregular	Overflow	20		8.30	8.20					
HH_AGE999350_O2	HH_AGE999350	HH_DS004241	Irregular	Overflow	20		8.05	8.00					
HH_AGE999351_O	HH_AGE999351	HH_AGE999352	Irregular	Overflow	20		7.85	7.80					
HH_AGE999352_O	HH_AGE999352	HH_AGE999353	Irregular	Overflow	20		7.85	7.80					
HH_AGE999354_O	HH_AGE999354	HH_AGE999352	Irregular	Overflow	20		8.10	8.00					
HH_AGE999355_O	HH_AGE999355	HH_AGE999354	Irregular	Overflow	20		8.20	8.10					
HH_AGE999355_O2	HH_AGE999355	HH_AGE999357	Irregular	Overflow	20		6.95	6.90					
HH_AGE999355_O3	HH_AGE999355	HH_AGE999347	Irregular	Overflow	20		7.15	7.10					
HH_AGE999356_O	HH_AGE999356	HH_AGE999353	Irregular	Overflow	20		8.10	8.00					
HH_AGE999357_O1	HH_AGE999357	HH_AGE999358	Irregular	Overflow	20		6.75	6.70					
HH_AGE999357_O2	HH_AGE999357	HH_AGE999347	Irregular	Overflow	20		6.70	6.60					
HH_AGE999358_O	HH_AGE999358	HH_AGE999346	Irregular	Overflow	20		6.65	6.60					
HH_AGE999361_O	HH_AGE999361	HH_DS000323	Irregular	Overflow	20		6.20	6.10					
HH_AGE999362_O	HH_AGE999362	HH_DS000319	Irregular	Overflow	20		6.80	6.70					
HH_AGE999363_O1	HH_AGE999363	HH_DS000319	Irregular	Overflow	20		6.95	6.90					
HH_AGE999363_O2	HH_AGE999363	HH_AGE999362	Irregular	Overflow	20		7.00	6.90					
HH_AGE999364_O1	HH_AGE999364	HH_AGE999362	Irregular	Overflow	20		7.10	7.00					
HH_AGE999364_O2	HH_AGE999364	HH_AGE999363	Irregular	Overflow	20		7.30	7.20					
HH_AGE999365_O1	HH_AGE999365	HH_AGE999366	Irregular	Overflow	20		9.00	8.90					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_AGE999365_O2	HH_AGE999365	HH_AGE999432	Irregular	Overflow	20		9.10	9.00					
HH_AGE999366_O1	HH_AGE999366	HH_AGE999375	Irregular	Overflow	20		8.85	8.80					
HH_AGE999366_O2	HH_AGE999366	HH_DS008741	Irregular	Overflow	20		8.70	8.60					
HH_AGE999367_O1	HH_AGE999367	HH_AGE999370	Irregular	Overflow	20		8.00	7.90					
HH_AGE999367_O2	HH_AGE999367	HH_DS000319	Irregular	Overflow	20		8.20	8.10					
HH_AGE999367_O3	HH_AGE999367	HH_DS008747	Irregular	Overflow	20		7.95	7.90					
HH_AGE999368_O2	HH_AGE999368	HH_AGE999369	Irregular	Overflow	20		6.65	6.60					
HH_AGE999368_O3	HH_AGE999368	HH_DS003616	Irregular	Overflow	20		6.50	6.40					
HH_AGE999369_O	HH_AGE999369	HH_DS003615	Irregular	Overflow	20		6.45	6.40					
HH_AGE999370_O1	HH_AGE999370	HH_DS003616	Irregular	Overflow	20		6.50	6.40					
HH_AGE999370_O2	HH_AGE999370	HH_DS003615	Irregular	Overflow	20		6.70	6.60					
HH_AGE999371_O	HH_AGE999371	HH_DS000189	Irregular	Overflow	20		8.00	7.90					
HH_AGE999371_O2	HH_AGE999371	HH_DS003614	Irregular	Overflow	20		8.20	8.10					
HH_AGE999372_O1	HH_AGE999372	HH_AGE999371	Irregular	Overflow	20		8.20	8.10					
HH_AGE999372_O2	HH_AGE999372	HH_AGE999373	Irregular	Overflow	20		8.25	8.20					
HH_AGE999373_O	HH_AGE999373	HH_AGE999371	Irregular	Overflow	20		8.50	8.40					
HH_AGE999374_O1	HH_AGE999374	HH_AGE999370	Irregular	Overflow	20		6.80	6.70					
HH_AGE999374_O2	HH_AGE999374	HH_DS003611	Irregular	Overflow	20		6.95	6.90					
HH_AGE999374_O3	HH_AGE999374	HH_DS000161	Irregular	Overflow	20		7.20	7.10					
HH_AGE999375_O1	HH_AGE999375	HH_AGE999376	Irregular	Overflow	20		7.80	7.70					
HH_AGE999375_O2	HH_AGE999375	HH_AGE999374	Irregular	Overflow	20		6.80	6.70					
HH_AGE999376_O	HH_AGE999376	HH_DS000161	Irregular	Overflow	20		7.35	7.30					
HH_AGE999377_O1	HH_AGE999377	HH_AGE999376	Irregular	Overflow	20		7.60	7.50					
HH_AGE999377_O2	HH_AGE999377	HH_DS000161	Irregular	Overflow	20		7.55	7.50					
HH_AGE999378_O	HH_AGE999378	HH_DS006175	Irregular	Overflow	20		8.60	8.50					
HH_AGE999379_O	HH_AGE999379	HH_DS000159	Irregular	Overflow	20		7.85	7.80					
HH_AGE999380_O1	HH_AGE999380	HH_DS002717	Irregular	Overflow	20		8.15	8.10					
HH_AGE999380_O2	HH_AGE999380	HH_DS002732	Irregular	Overflow	20		8.05	8.00					
HH_AGE999381_O	HH_AGE999381	HH_AGE999382	Irregular	Overflow	20		9.20	9.10					
HH_AGE999382_O	HH_AGE999382	HH_DS002735	Irregular	Overflow	20		8.05	8.00					
HH_AGE999384_O	HH_AGE999384	PKE_DS003975	Irregular	Overflow	20		7.50	7.40					
HH_AGE999385_O1	HH_AGE999385	HH_AGE999384	Irregular	Overflow	20		10.00	9.90					
HH_AGE999385_O2	HH_AGE999385	HH_DS006360	Irregular	Overflow	20		10.05	10.00					
HH_AGE999386_O	HH_AGE999386	HH_AGE999384	Irregular	Overflow	20		9.45	9.40					
HH_AGE999432_O1	HH_AGE999432	HH_AGE999364	Irregular	Overflow	20		8.50	8.40					
HH_AGE999432_O2	HH_AGE999432	HH_AGE999366	Irregular	Overflow	20		8.65	8.60					
HH_AGE999462_O	HH_AGE999462	HH_AGE999315	Irregular	Overflow	20		9.25	9.20					
HH_AGE999532_O	HH_AGE999532	HH_AGE999572	Irregular	Overflow	20		7.30	7.20					
HH_AGE999539_O1	HH_AGE999539	PKE_DS006323	Irregular	Overflow	20		9.40	9.30					
HH_AGE999539_O2	HH_AGE999539	HH_DS006141	Irregular	Overflow	20		9.30	9.20					
HH_AGE999540_O	HH_AGE999540	HH_DS006154	Irregular	Overflow	20		7.10	7.00					
HH_AGE999541_O1	HH_AGE999541	HH_AGE999547	Irregular	Overflow	20		8.20	8.10					
HH_AGE999541_O2	HH_AGE999541	HH_DS006135	Irregular	Overflow	20		8.10	8.00					
HH_AGE999541_O3	HH_AGE999541	HH_DS008221	Irregular	Overflow	20		8.05	8.00					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_AGE999542_O	HH_AGE999542	HH_DS004900	Irregular	Overflow	20		7.80	7.70					
HH_AGE999543_O	HH_AGE999543	HH_DS006146	Irregular	Overflow	20		8.40	8.30					
HH_AGE999544_O1	HH_AGE999544	HH_AGE999545	Irregular	Overflow	20		7.20	7.10					
HH_AGE999544_O2	HH_AGE999544	HH_DS008219	Irregular	Overflow	20		7.40	7.30					
HH_AGE999544_O3	HH_AGE999544	HH_DS006146	Irregular	Overflow	20		7.05	7.00					
HH_AGE999545_O1	HH_AGE999545	HH_AGE999546	Irregular	Overflow	20		7.10	7.00					
HH_AGE999545_O2	HH_AGE999545	HH_DS006137	Irregular	Overflow	20		7.10	7.00					
HH_AGE999546_O1	HH_AGE999546	HH_DS006146	Irregular	Overflow	20		7.00	6.90					
HH_AGE999546_O2	HH_AGE999546	HH_DS006147	Irregular	Overflow	20		6.85	6.80					
HH_AGE999547_O1	HH_AGE999547	HH_DS006135	Irregular	Overflow	20		6.30	6.20					
HH_AGE999547_O2	HH_AGE999547	HH_AGE999548	Irregular	Overflow	20		5.75	5.70					
HH_AGE999548_O	HH_AGE999548	HH_DS004892	Irregular	Overflow	20		6.40	6.30					
HH_AGE999549_O1	HH_AGE999549	HH_DS006313	Irregular	Overflow	20		4.65	4.60					
HH_AGE999549_O2	HH_AGE999549	HH_DS005413	Irregular	Overflow	20		5.15	5.10					
HH_AGE999550_O1	HH_AGE999550	HH_DS006139	Irregular	Overflow	20		6.10	6.00					
HH_AGE999550_O2	HH_AGE999550	HH_DS006130	Irregular	Overflow	20		6.30	6.20					
HH_AGE999551_O1	HH_AGE999551	HH_DS006139	Irregular	Overflow	20		6.30	6.20					
HH_AGE999551_O2	HH_AGE999551	HH_AGE999550	Irregular	Overflow	20		6.35	6.30					
HH_AGE999552_O1	HH_AGE999552	HH_DS006139	Irregular	Overflow	20		5.80	5.70					
HH_AGE999552_O2	HH_AGE999552	HH_DS006131	Irregular	Overflow	20		5.65	5.60					
HH_AGE999553_O1	HH_AGE999553	HH_AGE999532	Irregular	Overflow	20		6.70	6.60					
HH_AGE999553_O2	HH_AGE999553	HH_AGE999554	Irregular	Overflow	20		6.45	6.40					
HH_AGE999553_O3	HH_AGE999553	HH_DS006147	Irregular	Overflow	20		6.45	6.40					
HH_AGE999553_O4	HH_AGE999553	HH_AGE999552	Irregular	Overflow	20		6.30	6.20					
HH_AGE999554_O1	HH_AGE999554	HH_AGE999532	Irregular	Overflow	20		7.00	6.90					
HH_AGE999554_O2	HH_AGE999554	HH_AGE999565	Irregular	Overflow	20		6.50	6.40					
HH_AGE999554_O3	HH_AGE999554	HH_AGE999555	Irregular	Overflow	20		6.45	6.40					
HH_AGE999555_O1	HH_AGE999555	HH_AGE999552	Irregular	Overflow	20		6.00	5.90					
HH_AGE999555_O2	HH_AGE999555	HH_AGE999556	Irregular	Overflow	20		6.10	6.00					
HH_AGE999556_O1	HH_AGE999556	HH_AGE999557	Irregular	Overflow	20		5.50	5.40					
HH_AGE999556_O2	HH_AGE999556	HH_DS006131	Irregular	Overflow	20		5.35	5.30					
HH_AGE999557_O	HH_AGE999557	HH_DS006131	Irregular	Overflow	20		5.30	5.20					
HH_AGE999558_O1	HH_AGE999558	HH_DS006198	Irregular	Overflow	20		5.25	5.20					
HH_AGE999558_O2	HH_AGE999558	HH_AGE999557	Irregular	Overflow	20		5.65	5.60					
HH_AGE999559_O	HH_AGE999559	HH_AGE999557	Irregular	Overflow	20		5.70	5.60					
HH_AGE999560_O1	HH_AGE999560	HH_AGE999559	Irregular	Overflow	20		6.25	6.20					
HH_AGE999560_O2	HH_AGE999560	HH_AGE999558	Irregular	Overflow	20		6.30	6.20					
HH_AGE999561_O	HH_AGE999561	HH_AGE999558	Irregular	Overflow	20		5.55	5.50					
HH_AGE999562_O	HH_AGE999562	HH_DS006198	Irregular	Overflow	20		5.10	5.00					
HH_AGE999563_O1	HH_AGE999563	HH_AGE999561	Irregular	Overflow	20		7.00	6.90					
HH_AGE999563_O2	HH_AGE999563	HH_DS006197	Irregular	Overflow	20		6.75	6.70					
HH_AGE999564_O	HH_AGE999564	HH_DS006198	Irregular	Overflow	20		5.00	4.90					
HH_AGE999565_O	HH_AGE999565	HH_AGE999559	Irregular	Overflow	20		6.20	6.10					
HH_AGE999566_O1	HH_AGE999566	HH_AGE999565	Irregular	Overflow	20		7.20	7.10					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_AGE999566_O2	HH_AGE999566	HH_AGE999560	Irregular	Overflow	20		7.25	7.20					
HH_AGE999567_O1	HH_AGE999567	HH_AGE999566	Irregular	Overflow	20		7.65	7.60					
HH_AGE999567_O2	HH_AGE999567	HH_AGE999560	Irregular	Overflow	20		7.50	7.40					
HH_AGE999568_O1	HH_AGE999568	HH_AGE999567	Irregular	Overflow	20		7.60	7.50					
HH_AGE999568_O2	HH_AGE999568	HH_DS008778	Irregular	Overflow	20		7.55	7.50					
HH_AGE999569_O1	HH_AGE999569	HH_AGE999568	Irregular	Overflow	20		8.05	8.00					
HH_AGE999569_O2	HH_AGE999569	HH_DS008778	Irregular	Overflow	20		8.35	8.30					
HH_AGE999570_O	HH_AGE999570	HH_AGE999572	Irregular	Overflow	20		7.85	7.80					
HH_AGE999571_O1	HH_AGE999571	HH_AGE999572	Irregular	Overflow	20		8.00	7.90					
HH_AGE999571_O2	HH_AGE999571	HH_AGE999570	Irregular	Overflow	20		7.95	7.90					
HH_AGE999572_O	HH_AGE999572	HH_AGE999565	Irregular	Overflow	20		7.45	7.40					
HH_AGE999573_O1	HH_AGE999573	HH_AGE999577	Irregular	Overflow	20		7.50	7.40					
HH_AGE999573_O2	HH_AGE999573	HH_AGE999572	Irregular	Overflow	20		7.40	7.30					
HH_AGE999574_O1	HH_AGE999574	HH_AGE999573	Irregular	Overflow	20		7.90	7.80					
HH_AGE999574_O2	HH_AGE999574	HH_AGE999571	Irregular	Overflow	20		8.00	7.90					
HH_AGE999575_O1	HH_AGE999575	HH_DS006146	Irregular	Overflow	20		7.05	7.00					
HH_AGE999575_O2	HH_AGE999575	HH_DS006193	Irregular	Overflow	20		7.05	7.00					
HH_AGE999576_O1	HH_AGE999576	HH_AGE999572	Irregular	Overflow	20		7.35	7.30					
HH_AGE999577_O1	HH_AGE999577	HH_AGE999575	Irregular	Overflow	20		7.70	7.60					
HH_AGE999577_O2	HH_AGE999577	HH_AGE999576	Irregular	Overflow	20		7.35	7.30					
HH_AGE999578_O1	HH_AGE999578	HH_AGE999573	Irregular	Overflow	20		8.05	8.00					
HH_AGE999578_O2	HH_AGE999578	HH_AGE999574	Irregular	Overflow	20		8.00	7.90					
HH_AGE999579_O1	HH_AGE999579	HH_AGE999580	Irregular	Overflow	20		8.10	8.00					
HH_AGE999579_O2	HH_AGE999579	HH_AGE999578	Irregular	Overflow	20		8.10	8.00					
HH_AGE999580_O1	HH_AGE999580	HH_DS005452	Irregular	Overflow	20		7.80	7.70					
HH_AGE999580_O2	HH_AGE999580	HH_AGE999573	Irregular	Overflow	20		7.60	7.50					
HH_AGE999580_O3	HH_AGE999580	HH_AGE999577	Irregular	Overflow	20		7.65	7.60					
HH_AGE999581_O1	HH_AGE999581	HH_AGE999582	Irregular	Overflow	20		8.10	8.00					
HH_AGE999581_O2	HH_AGE999581	HH_AGE999579	Irregular	Overflow	20		8.10	8.00					
HH_AGE999582_O1	HH_AGE999582	HH_AGE999583	Irregular	Overflow	20		7.80	7.70					
HH_AGE999582_O2	HH_AGE999582	HH_AGE999580	Irregular	Overflow	20		7.85	7.80					
HH_AGE999583_O	HH_AGE999583	HH_DS005452	Irregular	Overflow	20		7.90	7.80					
HH_AGE999584_O	HH_AGE999584	HH_DS004903	Irregular	Overflow	20		7.55	7.50					
HH_AGE999585_O1	HH_AGE999585	HH_AGE999589	Irregular	Overflow	20		8.25	8.20					
HH_AGE999585_O2	HH_AGE999585	HH_AGE999581	Irregular	Overflow	20		8.15	8.10					
HH_AGE999589_O	HH_AGE999589	HH_AGE999582	Irregular	Overflow	20		8.05	8.00					
HH_AGE999654_O1	HH_AGE999654	HH_AGE999584	Irregular	Overflow	20		8.20	8.10					
HH_AGE999654_O2	HH_AGE999654	HH_AGE999583	Irregular	Overflow	20		8.00	7.90					
HH_AGE999654_O3	HH_AGE999654	HH_AGE999589	Irregular	Overflow	20		8.10	8.00					
HH_AGE999655_O	HH_AGE999655	HH_AGE999585	Irregular	Overflow	20		8.60	8.50					
HH_DMH001513_O	HH_DMH001513	HH_DO000848	Irregular	Overflow	20		9.40	9.30					
HH_DMH001514_O	HH_DMH001514	HH_DS009366	Irregular	Overflow	20		10.20	10.10					
HH_DMH001543_O	HH_DMH001543	HH_DS008224	Irregular	Overflow	20		7.05	7.00					
HH_DMH001543_O	HH_DMH001543	HH_DS006137	Irregular	Overflow	20		7.10	7.00					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DM001611_O	HH_DM001611	HH_DS005765	Irregular	Overflow	20		9.60	9.50					
HH_DS000145_O	HH_DS000145	HH_DS006170	Irregular	Overflow	20		9.70	9.60					
HH_DS000150_O1	HH_DS000150	HH_DS007613	Irregular	Overflow	20		10.75	10.70					
HH_DS000150_O2	HH_DS000150	HH_DS000151	Irregular	Overflow	20		10.65	10.60					
HH_DS000153_O	HH_DS000153	HH_DS007618	Irregular	Overflow	20		9.20	9.10					
HH_DS000154_O	HH_DS000154	HH_AGE999361	Irregular	Overflow	20		7.10	7.00					
HH_DS000159_O1	HH_DS000159	HH_DS003615	Irregular	Overflow	20		7.30	7.20					
HH_DS000159_O2	HH_DS000159	HH_DS003611	Irregular	Overflow	20		7.05	7.00					
HH_DS000161_O	HH_DS000161	HH_DS003611	Irregular	Overflow	20		7.15	7.10					
HH_DS000180_O	HH_DS000180	HH_AGE999317	Irregular	Overflow	20		7.30	7.20					
HH_DS000181_O1	HH_DS000181	HH_AGE999316	Irregular	Overflow	20		7.45	7.40					
HH_DS000181_O2	HH_DS000181	HH_AGE999314	Irregular	Overflow	20		7.65	7.60					
HH_DS000183_O	HH_DS000183	HH_AGE999314	Irregular	Overflow	20		7.40	7.30					
HH_DS000189_O1	HH_DS000189	HH_AGE999368	Irregular	Overflow	20		7.10	7.00					
HH_DS000189_O2	HH_DS000189	HH_AGE999369	Irregular	Overflow	20		6.90	6.80					
HH_DS000214_O1	HH_DS000214	WP_AGE999300	Irregular	Overflow	20		8.50	8.40					
HH_DS000214_O2	HH_DS000214	HH_AGE999352	Irregular	Overflow	20		8.70	8.60					
HH_DS000214_O3	HH_DS000214	HH_AGE999350	Irregular	Overflow	20		8.50	8.40					
HH_DS000319_O1	HH_DS000319	HH_DS003619	Irregular	Overflow	20		5.75	5.70					
HH_DS000319_O2	HH_DS000319	HH_DS000323	Irregular	Overflow	20		5.90	5.80					
HH_DS000323_O	HH_DS000323	HH_DS003609	Irregular	Overflow	20		5.85	5.80					
HH_DS000326_O	HH_DS000326	HH_DS000154	Irregular	Overflow	20		8.60	8.50					
HH_DS000331_O1	HH_DS000331	HH_DS007613	Irregular	Overflow	20		10.85	10.80					
HH_DS000331_O2	HH_DS000331	HH_DS002728	Irregular	Overflow	20		10.90	10.80					
HH_DS000397_O1	HH_DS000397	PKE_DS000400	Irregular	Overflow	20		5.00	4.90					
HH_DS000397_O2	HH_DS000397	PKE_DS000979	Irregular	Overflow	20		5.15	5.10					
HH_DS000397_O3	HH_DS000397	HH_DS000933	Irregular	Overflow	20		5.10	5.00					
HH_DS000427_O1	HH_DS000427	PKE_DS000400	Irregular	Overflow	20		5.00	4.90					
HH_DS000427_O2	HH_DS000427	HH_DS000460	Irregular	Overflow	20		4.95	4.90					
HH_DS000460_O1	HH_DS000460	PKE_DS000461	Irregular	Overflow	20		4.40	4.30					
HH_DS000460_O2	HH_DS000460	PKE_DS000980	Irregular	Overflow	20		5.00	4.90					
HH_DS000933_O1	HH_DS000933	PKE_DS003975	Irregular	Overflow	20		4.65	4.60					
HH_DS000933_O2	HH_DS000933	PKE_DS009369	Irregular	Overflow	20		4.60	4.50					
HH_DS000933_O3	HH_DS000933	HH_DS000932	Irregular	Overflow	20		3.80	3.70					
HH_DS001189_O1	HH_DS001189	PKE_DS000886	Irregular	Overflow	20		5.60	5.50					
HH_DS001189_O2	HH_DS001189	HH_DS008980	Irregular	Overflow	20		6.55	6.50					
HH_DS001194_O	HH_DS001194	HH_DS001192	Irregular	Overflow	20		5.10	5.00					
HH_DS001195_O	HH_DS001195	PKE_DS001193	Irregular	Overflow	20		5.35	5.30					
HH_DS002717_O	HH_DS002717	HH_AGE999379	Irregular	Overflow	20		7.30	7.20					
HH_DS002728_O	HH_DS002728	HH_AGE999377	Irregular	Overflow	20		9.40	9.30					
HH_DS002732_O1	HH_DS002732	HH_DS002735	Irregular	Overflow	20		8.10	8.00					
HH_DS002732_O2	HH_DS002732	HH_AGE999379	Irregular	Overflow	20		8.00	7.90					
HH_DS002735_O	HH_DS002735	HH_AGE999315	Irregular	Overflow	20		8.15	8.10					
HH_DS003609_O	HH_DS003609	HH_DS003619	Irregular	Overflow	20		6.15	6.10					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS003611_O	HH_DS003611	HH_DS003615	Irregular	Overflow	20		6.80	6.70					
HH_DS003614_O1	HH_DS003614	HH_DS000189	Irregular	Overflow	20		8.25	8.20					
HH_DS003614_O2	HH_DS003614	HH_DS003615	Irregular	Overflow	20		7.95	7.90					
HH_DS003616_O	HH_DS003616	HH_DS003615	Irregular	Overflow	20		6.35	6.30					
HH_DS003621_O1	HH_DS003621	HH_AGE999318	Irregular	Overflow	20		8.20	8.10					
HH_DS003621_O2	HH_DS003621	HH_AGE999316	Irregular	Overflow	20		8.00	7.90					
HH_DS004228_O1	HH_DS004228	HH_DS000180	Irregular	Overflow	20		7.20	7.10					
HH_DS004228_O2	HH_DS004228	HH_DS000189	Irregular	Overflow	20		7.60	7.50					
HH_DS004231_O	HH_DS004231	HH_DS008747	Irregular	Overflow	20		7.75	7.70					
HH_DS004241_O	HH_DS004241	HH_DS008001	Irregular	Overflow	20		7.30	7.20					
HH_DS004851_O1	HH_DS004851	EH_DS004887	Irregular	Overflow	20		7.40	7.30					
HH_DS004851_O2	HH_DS004851	HH_DS006087	Irregular	Overflow	20		7.00	6.90					
HH_DS004892_O1	HH_DS004892	HH_AGE999550	Irregular	Overflow	20		6.75	6.70					
HH_DS004892_O2	HH_DS004892	HH_DS006130	Irregular	Overflow	20		6.80	6.70					
HH_DS004900_O1	HH_DS004900	HH_DS006154	Irregular	Overflow	20		8.05	8.00					
HH_DS004900_O2	HH_DS004900	HH_DS004904	Irregular	Overflow	20		8.00	7.90					
HH_DS004903_O1	HH_DS004903	HH_DS004916	Irregular	Overflow	20		8.20	8.10					
HH_DS004903_O2	HH_DS004903	HH_AGE999543	Irregular	Overflow	20		8.25	8.20					
HH_DS004904_O	HH_DS004904	HH_DS004916	Irregular	Overflow	20		7.30	7.20					
HH_DS005006_O1	HH_DS005006	HH_DS006313	Irregular	Overflow	20		5.30	5.20					
HH_DS005006_O2	HH_DS005006	EH_DS005160	Irregular	Overflow	20		5.50	5.40					
HH_DS005006_O3	HH_DS005006	HH_DS005413	Irregular	Overflow	20		5.20	5.10					
HH_DS005452_O	HH_DS005452	HH_AGE999577	Irregular	Overflow	20		7.65	7.60					
HH_DS005765_O1	HH_DS005765	HH_DS006006	Irregular	Overflow	20		6.20	6.10					
HH_DS005788_O1	HH_DS005788	HH_DS000460	Irregular	Overflow	20		5.90	5.80					
HH_DS005788_O2	HH_DS005788	HH_DS006006	Irregular	Overflow	20		6.10	6.00					
HH_DS006006_O	HH_DS006006	HH_DS008980	Irregular	Overflow	20		6.40	6.30					
HH_DS006071_O1	HH_DS006071	HH_DS006072	Irregular	Overflow	20		6.30	6.20					
HH_DS006071_O2	HH_DS006071	HH_DS000427	Irregular	Overflow	20		6.00	5.90					
HH_DS006072_O1	HH_DS006072	HH_DS005765	Irregular	Overflow	20		6.15	6.10					
HH_DS006072_O2	HH_DS006072	HH_DS005788	Irregular	Overflow	20		6.15	6.10					
HH_DS006119_O	HH_DS006119	HH_DS006120	Irregular	Overflow	20		4.75	4.70					
HH_DS006120_O1	HH_DS006120	HH_DS006124	Irregular	Overflow	20		5.10	5.00					
HH_DS006120_O2	HH_DS006120	EH_DS008720	Irregular	Overflow	20		5.20	5.10					
HH_DS006123_O	HH_DS006123	HH_DS006119	Irregular	Overflow	20		4.60	4.50					
HH_DS006124_O1	HH_DS006124	EH_DS006108	Irregular	Overflow	20		5.30	5.20					
HH_DS006124_O2	HH_DS006124	HH_DS006087	Irregular	Overflow	20		5.30	5.20					
HH_DS006125_O1	HH_DS006125	HH_DS006123	Irregular	Overflow	20		5.15	5.10					
HH_DS006125_O2	HH_DS006125	EH_DS008806	Irregular	Overflow	20		5.40	5.30					
HH_DS006126_O	HH_DS006126	HH_DS006125	Irregular	Overflow	20		5.10	5.00					
HH_DS006130_O1	HH_DS006130	HH_DS006131	Irregular	Overflow	20		5.05	5.00					
HH_DS006130_O2	HH_DS006130	HH_DS006119	Irregular	Overflow	20		4.95	4.90					
HH_DS006131_O	HH_DS006131	HH_DS006123	Irregular	Overflow	20		4.50	4.40					
HH_DS006135_O1	HH_DS006135	HH_DS006137	Irregular	Overflow	20		6.20	6.10					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS006135_O2	HH_DS006135	HH_DS004892	Irregular	Overflow	20		6.20	6.10					
HH_DS006137_O	HH_DS006137	HH_DS004892	Irregular	Overflow	20		6.05	6.00					
HH_DS006139_O	HH_DS006139	HH_DS006130	Irregular	Overflow	20		5.55	5.50					
HH_DS006141_O1	HH_DS006141	HH_DS006553	Irregular	Overflow	20		5.80	5.70					
HH_DS006141_O2	HH_DS006141	HH_AGE999548	Irregular	Overflow	20		5.65	5.60					
HH_DS006141_O3	HH_DS006141	HH_AGE999547	Irregular	Overflow	20		5.60	5.50					
HH_DS006143_O	HH_DS006143	HH_DS006155	Irregular	Overflow	20		10.20	10.10					
HH_DS006145_O1	HH_DS006145	HH_DS009775	Irregular	Overflow	20		10.90	10.80					
HH_DS006145_O2	HH_DS006145	HH_DS006152	Irregular	Overflow	20		10.70	10.60					
HH_DS006146_O1	HH_DS006146	HH_DS006147	Irregular	Overflow	20		6.20	6.10					
HH_DS006146_O2	HH_DS006146	HH_DS006193	Irregular	Overflow	20		6.35	6.30					
HH_DS006147_O	HH_DS006147	HH_AGE999552	Irregular	Overflow	20		6.40	6.30					
HH_DS006152_O1	HH_DS006152	HH_AGE999540	Irregular	Overflow	20		7.55	7.50					
HH_DS006152_O2	HH_DS006152	HH_DS006154	Irregular	Overflow	20		7.75	7.70					
HH_DS006155_O	HH_DS006155	HH_AGE999540	Irregular	Overflow	20		9.35	9.30					
HH_DS006164_O1	HH_DS006164	HH_DS006170	Irregular	Overflow	20		9.05	9.00					
HH_DS006164_O2	HH_DS006164	HH_DS006187	Irregular	Overflow	20		9.30	9.20					
HH_DS006165_O	HH_DS006165	HH_DS006164	Irregular	Overflow	20		9.50	9.40					
HH_DS006170_O1	HH_DS006170	HH_DS007617	Irregular	Overflow	20		9.40	9.30					
HH_DS006170_O2	HH_DS006170	HH_DS004917	Irregular	Overflow	20		9.40	9.30					
HH_DS006172_O	HH_DS006172	HH_DS006187	Irregular	Overflow	20		9.45	9.40					
HH_DS006175_O1	HH_DS006175	HH_DS007613	Irregular	Overflow	20		8.80	8.70					
HH_DS006175_O2	HH_DS006175	HH_AGE999542	Irregular	Overflow	20		9.05	9.00					
HH_DS006187_O	HH_DS006187	HH_DS004917	Irregular	Overflow	20		9.20	9.10					
HH_DS006193_O1	HH_DS006193	HH_DS006147	Irregular	Overflow	20		6.30	6.20					
HH_DS006193_O2	HH_DS006193	HH_AGE999532	Irregular	Overflow	20		6.50	6.40					
HH_DS006197_O	HH_DS006197	HH_DS006198	Irregular	Overflow	20		5.20	5.10					
HH_DS006198_O1	HH_DS006198	HH_DS006126	Irregular	Overflow	20		5.25	5.20					
HH_DS006198_O2	HH_DS006198	EH_DS004960	Irregular	Overflow	20		5.45	5.40					
HH_DS006312_O1	HH_DS006312	HH_DS006553	Irregular	Overflow	20		3.85	3.80					
HH_DS006312_O2	HH_DS006312	PKE_DS005003	Irregular	Overflow	20		4.40	4.30					
HH_DS006313_O	HH_DS006313	HH_DS006312	Irregular	Overflow	20		4.15	4.10					
HH_DS006360_O1	HH_DS006360	HH_AGE999384	Irregular	Overflow	20		8.95	8.90					
HH_DS006360_O2	HH_DS006360	HH_DS008579	Irregular	Overflow	20		9.00	8.90					
HH_DS006553_O	HH_DS006553	PKE_DS005003	Irregular	Overflow	20		4.30	4.20					
HH_DS006844_O	HH_DS006844	HH_DS006895	Irregular	Overflow	20		5.95	5.90					
HH_DS006845_O1	HH_DS006845	HH_DS006844	Irregular	Overflow	20		6.30	6.20					
HH_DS006845_O2	HH_DS006845	HH_DS001189	Irregular	Overflow	20		6.30	6.20					
HH_DS006849_O	HH_DS006849	HH_DS006845	Irregular	Overflow	20		6.30	6.20					
HH_DS006850_O	HH_DS006850	HH_DS006849	Irregular	Overflow	20		6.25	6.20					
HH_DS006851_O	HH_DS006851	HH_DS006884	Irregular	Overflow	20		5.85	5.80					
HH_DS006852_O1	HH_DS006852	HH_DS006850	Irregular	Overflow	20		6.10	6.00					
HH_DS006852_O2	HH_DS006852	HH_DS006851	Irregular	Overflow	20		5.80	5.70					
HH_DS006884_O	HH_DS006884	HH_DS006888	Irregular	Overflow	20		5.85	5.80					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS006890_O	HH_DS006890	HH_DS006897	Irregular	Overflow	20		6.60	6.50					
HH_DS006891_O	HH_DS006890	HH_NID10025	Irregular	Overflow	20		6.70	6.60					
HH_DS006893_O1	HH_DS006893	HH_DS006888	Irregular	Overflow	20		5.95	5.90					
HH_DS006893_O2	HH_DS006893	HH_DS006890	Irregular	Overflow	20		6.05	6.00					
HH_DS006895_O	HH_DS006895	HH_DS006893	Irregular	Overflow	20		6.10	6.00					
HH_DS006897_O	HH_DS006897	HH_DS006900	Irregular	Overflow	20		6.80	6.70					
HH_DS006900_O	HH_DS006900	HH_DS006903	Irregular	Overflow	20		6.75	6.70					
HH_DS006903_O	HH_DS006903	HH_NID10025	Irregular	Overflow	20		6.10	6.00					
HH_DS006907_O	HH_DS006907	HH_DS006903	Irregular	Overflow	20		6.80	6.70					
HH_DS006909_O1	HH_DS006909	HH_DS006907	Irregular	Overflow	20		5.90	5.80					
HH_DS006909_O2	HH_DS006909	HH_NID10023	Irregular	Overflow	20		6.50	6.40					
HH_DS007567_O1	HH_DS007567	HH_DS006198	Irregular	Overflow	20		5.70	5.60					
HH_DS007567_O2	HH_DS007567	HH_DS006126	Irregular	Overflow	20		5.70	5.60					
HH_DS007590_O	HH_DS007590	HH_DS000154	Irregular	Overflow	20		7.55	7.50					
HH_DS007613_O	HH_DS007613	HH_DS008211	Irregular	Overflow	20		9.20	9.10					
HH_DS007617_O	HH_DS007617	HH_DS000153	Irregular	Overflow	20		9.55	9.50					
HH_DS007618_O1	HH_DS007618	HH_DMH001513	Irregular	Overflow	20		9.50	9.40					
HH_DS007618_O2	HH_DS007618	HH_DS002717	Irregular	Overflow	20		9.45	9.40					
HH_DS007888_O	HH_DS007888	HH_DS006087	Irregular	Overflow	20		9.60	9.50					
HH_DS008001_O	HH_DS008001	HH_AGE999330	Irregular	Overflow	20		7.25	7.20					
HH_DS008095_O	HH_DS008095	HH_DS009367	Irregular	Overflow	20		10.20	10.10					
HH_DS008096_O1	HH_DS008096	HH_DS008095	Irregular	Overflow	20		10.25	10.20					
HH_DS008096_O2	HH_DS008096	HH_DS008098	Irregular	Overflow	20		10.30	10.20					
HH_DS008098_O1	HH_DS008098	HH_DMH001514	Irregular	Overflow	20		9.95	9.90					
HH_DS008098_O2	HH_DS008098	HH_DS006360	Irregular	Overflow	20		9.80	9.70					
HH_DS008211_O	HH_DS008211	HH_AGE999376	Irregular	Overflow	20		8.25	8.20					
HH_DS008219_O	HH_DS008219	HH_DS008223	Irregular	Overflow	20		7.40	7.30					
HH_DS008221_O1	HH_DS008221	HH_DMH001543	Irregular	Overflow	20		7.00	6.90					
HH_DS008221_O2	HH_DS008221	HH_DS006135	Irregular	Overflow	20		7.05	7.00					
HH_DS008223_O	HH_DS008223	HH_DS008221	Irregular	Overflow	20		7.20	7.10					
HH_DS008224_O1	HH_DS008224	HH_DS008219	Irregular	Overflow	20		7.00	6.90					
HH_DS008224_O2	HH_DS008224	HH_AGE999545	Irregular	Overflow	20		7.30	7.20					
HH_DS008481_O	HH_DS008481	HH_AGE999584	Irregular	Overflow	20		7.10	7.00					
HH_DS008481_O1	HH_DS008481	HH_DS006146	Irregular	Overflow	20		7.20	7.10					
HH_DS008481_O2	HH_DS008481	HH_AGE999575	Irregular	Overflow	20		7.30	7.20					
HH_DS008579_O	HH_DS008579	PKE_DS003975	Irregular	Overflow	20		4.20	4.10					
HH_DS008628_O1	HH_DS008628	HH_NID10911	Irregular	Overflow	20		10.30	10.20					
HH_DS008628_O2	HH_DS008628	HH_NID10933	Irregular	Overflow	20		10.30	10.20					
HH_DS008741_O1	HH_DS008741	HH_AGE999362	Irregular	Overflow	20		8.75	8.70					
HH_DS008741_O2	HH_DS008741	HH_AGE999367	Irregular	Overflow	20		8.60	8.50					
HH_DS008741_O3	HH_DS008741	HH_AGE999374	Irregular	Overflow	20		8.75	8.70					
HH_DS008747_O1	HH_DS008747	HH_DS000319	Irregular	Overflow	20		7.85	7.80					
HH_DS008747_O2	HH_DS008747	HH_AGE999370	Irregular	Overflow	20		7.65	7.60					
HH_DS008747_O3	HH_DS008747	HH_AGE999368	Irregular	Overflow	20		7.65	7.60					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HH_DS008778_O1	HH_DS008778	HH_AGE999561	Irregular	Overflow	20		6.65	6.60					
HH_DS008778_O2	HH_DS008778	HH_AGE999560	Irregular	Overflow	20		6.70	6.60					
HH_DS008980_O1	HH_DS008980	PKE_DS000980	Irregular	Overflow	20		5.75	5.70					
HH_DS009169_O	HH_DS009169	HH_AGE999361	Irregular	Overflow	20		8.00	7.90					
HH_DS009366_O1	HH_DS009366	HH_DS006172	Irregular	Overflow	20		9.85	9.80					
HH_DS009366_O2	HH_DS009366	HH_DS008579	Irregular	Overflow	20		10.30	10.20					
HH_DS009367_O	HH_DS009367	HH_DS006165	Irregular	Overflow	20		10.25	10.20					
HH_DS009775_O1	HH_DS009775	HH_AGE999541	Irregular	Overflow	20		9.40	9.30					
HH_DS009775_O2	HH_DS009775	HH_AGE999547	Irregular	Overflow	20		9.40	9.30					
HH_FDOT9995_O	HH_FDOT9995	HH_FDOT9997	Irregular	Overflow	20		5.90	5.80					
HH_FDOT9997_O	HH_FDOT9997	HH_DS001189	Irregular	Overflow	20		5.65	5.60					
HH_NID10023_O1	HH_NID10023	HH_DS001192	Irregular	Overflow	20		5.30	5.20					
HH_NID10023_O2	HH_NID10023	PKE_DS000871	Irregular	Overflow	20		5.30	5.20					
HH_NID10025_O	HH_NID10025	HH_NID10023	Irregular	Overflow	20		5.60	5.50					
HH_NID10911_O1	HH_NID10911	HH_DS000427	Irregular	Overflow	20		8.00	7.90					
HH_NID10911_O2	HH_NID10911	HH_DS006071	Irregular	Overflow	20		7.90	7.80					
LA_AGE999702_O	LA_AGE999702	HH_AGE999353	Irregular	Overflow	20		8.50	8.40					
LA_DS000200_O1	LA_DS000200	HH_AGE999352	Irregular	Overflow	20		8.70	8.60					
LA_DS000200_O2	LA_DS000200	WP_DS009657	Irregular	Overflow	20		8.65	8.60					
LA_DS002738_O1	LA_DS002738	HH_AGE999353	Irregular	Overflow	20		8.25	8.20					
LA_DS002738_O2	LA_DS002738	HH_AGE999357	Irregular	Overflow	20		8.55	8.50					
LA_DS002738_O3	LA_DS002738	HH_AGE999358	Irregular	Overflow	20		8.45	8.40					
LA_DS004923_O	LA_DS004923	HH_AGE999358	Irregular	Overflow	20		8.40	8.30					
LB_AGE999398_O1	LB_AGE999398	BC_AGE999388	Irregular	Overflow	20		4.80	4.70					
LB_AGE999398_O2	LB_AGE999398	LB_AGE999400	Irregular	Overflow	20		4.35	4.30					
LB_AGE999399_O	LB_AGE999399	OH_CHC98312	Irregular	Overflow	20		4.20	4.10					
LB_AGE999400_O	LB_AGE999400	LB_AGE999401	Irregular	Overflow	20		4.70	4.60					
LB_AGE999401_O	LB_AGE999401	OH_CHC98314	Irregular	Overflow	20		3.10	3.00					
LB_AGE999402_O	LB_AGE999402	OH_CHC98314	Irregular	Overflow	20		2.90	2.80					
LB_AGE999403_O	LB_AGE999403	OH_CHC98314	Irregular	Overflow	20		2.90	2.80					
LB_AGE999451_O	LB_AGE999451	LB_DS005473	Irregular	Overflow	20		3.90	3.80					
LB_DS000332_O1	LB_DS000332	LB_DS000334	Irregular	Overflow	20		5.80	5.70					
LB_DS000332_O2	LB_DS000332	LB_DS000339	Irregular	Overflow	20		5.30	5.20					
LB_DS000339_O	LB_DS000339	LB_DS007277	Irregular	Overflow	20		5.00	4.90					
LB_DS000820_O	LB_DS000820	LB_DS000864	Irregular	Overflow	20		4.90	4.80					
LB_DS000823_O	LB_DS000823	LB_DS000820	Irregular	Overflow	20		4.55	4.50					
LB_DS000828_O1	LB_DS000828	LB_DS008306	Irregular	Overflow	20		5.10	5.00					
LB_DS000828_O2	LB_DS000828	LB_DS000853	Irregular	Overflow	20		5.00	4.90					
LB_DS000838_O	LB_DS000838	LB_DS000823	Irregular	Overflow	20		4.90	4.80					
LB_DS000839_O1	LB_DS000839	LB_DS000856	Irregular	Overflow	20		5.00	4.90					
LB_DS000839_O2	LB_DS000839	LB_DS006412	Irregular	Overflow	20		4.80	4.70					
LB_DS000843_O1	LB_DS000843	LB_DS000838	Irregular	Overflow	20		4.95	4.90					
LB_DS000843_O2	LB_DS000843	LB_DS000820	Irregular	Overflow	20		4.90	4.80					
LB_DS000851_O1	LB_DS000851	LB_DS006245	Irregular	Overflow	20		4.40	4.30					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LB_DS000851_O2	LB_DS000851	LB_DS000852	Irregular	Overflow	20		5.00	4.90					
LB_DS000852_O	LB_DS000852	LB_DS000853	Irregular	Overflow	20		4.85	4.80					
LB_DS000853_O1	LB_DS000853	LB_DS000854	Irregular	Overflow	20		4.95	4.90					
LB_DS000853_O2	LB_DS000853	LB_DS000839	Irregular	Overflow	20		4.85	4.80					
LB_DS000853_O3	LB_DS000853	LB_DS000838	Irregular	Overflow	20		4.90	4.80					
LB_DS000854_O	LB_DS000854	LB_DS006412	Irregular	Overflow	20		4.90	4.80					
LB_DS000862_O	LB_DS000862	LB_DS006237	Irregular	Overflow	20		4.50	4.40					
LB_DS000864_O1	LB_DS000864	LB_DS007284	Irregular	Overflow	20		5.00	4.90					
LB_DS000864_O2	LB_DS000864	LB_DS000862	Irregular	Overflow	20		4.80	4.70					
LB_DS003493_O	LB_DS003493	LB_DS007277	Irregular	Overflow	20		4.45	4.40					
LB_DS005194_O	LB_DS005194	LB_DS005195	Irregular	Overflow	20		5.60	5.50					
LB_DS005195_O	LB_DS005195	OH_CHC98324	Irregular	Overflow	20		5.10	5.00					
LB_DS005197_O	LB_DS005197	LB_DS005866	Irregular	Overflow	20		4.80	4.70					
LB_DS005198_O1	LB_DS005198	LB_DS006519	Irregular	Overflow	20		5.45	5.40					
LB_DS005198_O2	LB_DS005198	LB_DS006270	Irregular	Overflow	20		5.25	5.20					
LB_DS005198_O3	LB_DS005198	LB_DO000448	Irregular	Overflow	20		5.35	5.30					
LB_DS005406_O1	LB_DS005406	LB_AGE999403	Irregular	Overflow	20		3.85	3.80					
LB_DS005406_O2	LB_DS005406	LB_AGE999402	Irregular	Overflow	20		3.35	3.30					
LB_DS005863_O	LB_DS005863	LB_DS006237	Irregular	Overflow	20		3.95	3.90					
LB_DS005866_O	LB_DS005866	LB_DS005473	Irregular	Overflow	20		3.90	3.80					
LB_DS006004_O1	LB_DS006004	LB_DS005866	Irregular	Overflow	20		4.50	4.40					
LB_DS006004_O2	LB_DS006004	LB_DS008305	Irregular	Overflow	20		4.90	4.80					
LB_DS006231_O	LB_DS006231	LB_DS006236	Irregular	Overflow	20		5.35	5.30					
LB_DS006236_O	LB_DS006236	LB_DS006237	Irregular	Overflow	20		3.65	3.60					
LB_DS006237_O	LB_DS006237	LB_DS006411	Irregular	Overflow	20		3.80	3.70					
LB_DS006245_O	LB_DS006245	LB_DS006412	Irregular	Overflow	20		4.10	4.00					
LB_DS006256_O1	LB_DS006256	LB_DS006245	Irregular	Overflow	20		6.60	6.50					
LB_DS006256_O2	LB_DS006256	LB_DS006231	Irregular	Overflow	20		6.60	6.50					
LB_DS006270_O	LB_DS006270	LB_DS006526	Irregular	Overflow	20		5.25	5.20					
LB_DS006411_O1	LB_DS006411	LB_DS003493	Irregular	Overflow	20		4.15	4.10					
LB_DS006411_O2	LB_DS006411	LB_DS005406	Irregular	Overflow	20		3.90	3.80					
LB_DS006412_O	LB_DS006412	LB_DS005863	Irregular	Overflow	20		3.70	3.60					
LB_DS006417_O1	LB_DS006417	BC_AGE999397	Irregular	Overflow	20		7.00	6.90					
LB_DS006417_O2	LB_DS006417	LB_DS006536	Irregular	Overflow	20		7.50	7.40					
LB_DS006423_O1	LB_DS006423	LB_DS005473	Irregular	Overflow	20		4.35	4.30					
LB_DS006423_O2	LB_DS006423	LB_DS006424	Irregular	Overflow	20		4.35	4.30					
LB_DS006424_O	LB_DS006424	LB_DS006527	Irregular	Overflow	20		4.00	3.90					
LB_DS006427_O1	LB_DS006427	LB_DS006428	Irregular	Overflow	20		6.45	6.40					
LB_DS006427_O2	LB_DS006427	LB_DS005473	Irregular	Overflow	20		6.55	6.50					
LB_DS006428_O1	LB_DS006428	LB_DS006433	Irregular	Overflow	20		5.90	5.80					
LB_DS006428_O2	LB_DS006428	LB_AGE999451	Irregular	Overflow	20		6.00	5.90					
LB_DS006433_O1	LB_DS006433	LB_AGE999451	Irregular	Overflow	20		4.35	4.30					
LB_DS006433_O2	LB_DS006433	LB_DS005473	Irregular	Overflow	20		4.30	4.20					
LB_DS006519_O	LB_DS006519	LB_DS005195	Irregular	Overflow	20		5.65	5.60					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LB_DS006519_O2	LB_DS006519	LB_DS007277	Irregular	Overflow	20		4.95	4.90					
LB_DS006526_O	LB_DS006526	LB_DS005197	Irregular	Overflow	20		5.50	5.40					
LB_DS006527_O1	LB_DS006527	LB_DS005194	Irregular	Overflow	20		4.70	4.60					
LB_DS006527_O2	LB_DS006527	LB_DS005198	Irregular	Overflow	20		4.85	4.80					
LB_DS006528_O1	LB_DS006528	LB_DS005194	Irregular	Overflow	20		4.75	4.70					
LB_DS006528_O2	LB_DS006528	LB_NID10054	Irregular	Overflow	20		5.40	5.30					
LB_DS006536_O1	LB_DS006536	LB_DS006256	Irregular	Overflow	20		7.00	6.90					
LB_DS006536_O2	LB_DS006536	LB_DS006004	Irregular	Overflow	20		7.35	7.30					
LB_DS007205_O	LB_DS007205	LB_DS007206	Irregular	Overflow	20		5.50	5.40					
LB_DS007206_O	LB_DS007206	LB_DS005473	Irregular	Overflow	20		5.70	5.60					
LB_DS007277_O	LB_DS007277	OH_CHC98317	Irregular	Overflow	20		3.00	2.90					
LB_DS007284_O	LB_DS007284	LB_DS003493	Irregular	Overflow	20		4.70	4.60					
LB_DS008303_O1	LB_DS008303	LB_DS006004	Irregular	Overflow	20		3.80	3.70					
LB_DS008303_O2	LB_DS008303	LB_DS008306	Irregular	Overflow	20		5.15	5.10					
LB_DS008303_O3	LB_DS008303	LB_DS006245	Irregular	Overflow	20		3.90	3.80					
LB_DS008305_O	LB_DS008305	LB_DS007277	Irregular	Overflow	20		4.65	4.60					
LB_DS008306_O	LB_DS008306	LB_DS007277	Irregular	Overflow	20		4.25	4.20					
LB_NID10054_O	LB_NID10054	OH_CHC98324	Irregular	Overflow	20		4.80	4.70					
LE_AGE999622_O	LE_AGE999622	LE_DS001912	Irregular	Overflow	20		6.40	6.30					
LE_AGE999623_O	LE_AGE999623	LE_DS003989	Irregular	Overflow	20		5.55	5.50					
LE_AGE999916_O	LE_AGE999916	OR_DS007391	Irregular	Overflow	20		4.60	4.55					
LE_DS001912_O	LE_DS001912	BC_AGE999917	Irregular	Overflow	20		5.15	5.10					
LE_DS003989_O	LE_DS003989	LE_DS003990	Irregular	Overflow	20		5.25	5.20					
LE_DS003990_O	LE_DS003990	LE_AGE999624	Irregular	Overflow	20		5.40	5.30					
LE_DS004021_O	LE_DS004021	LE_AGE999623	Irregular	Overflow	20		6.90	6.80					
LEH_AGE999646_O	LEH_AGE999646	LEH_DS005369	Irregular	Overflow	20		5.10	5.00					
LEH_DS004115_O1	LEH_DS004115	LEH_DS005347	Irregular	Overflow	20		4.80	4.70					
LEH_DS004115_O2	LEH_DS004115	LEH_DS006793	Irregular	Overflow	20		5.10	5.00					
LEH_DS004115_O3	LEH_DS004115	LEH_DS007456	Irregular	Overflow	20		5.00	4.90					
LEH_DS004117_O1	LEH_DS004117	LEH_DO000760	Irregular	Overflow	20		4.75	4.70					
LEH_DS004117_O2	LEH_DS004117	LEH_DS004115	Irregular	Overflow	20		4.65	4.60					
LEH_DS004122_O	LEH_DS004122	LEH_DS005375	Irregular	Overflow	20		5.05	5.00					
LEH_DS004122_O2	LEH_DS004122	LEH_NID10965	Irregular	Overflow	20		5.05	5.00					
LEH_DS004123_O	LEH_DS004123	LEH_DS004128	Irregular	Overflow	20		4.80	4.70					
LEH_DS004128_O1	LEH_DS004128	LEH_DS004130	Irregular	Overflow	20		4.70	4.60					
LEH_DS004128_O2	LEH_DS004128	LEH_DO000760	Irregular	Overflow	20		5.20	5.10					
LEH_DS004129_O1	LEH_DS004129	LEH_DS006798	Irregular	Overflow	20		4.75	4.70					
LEH_DS004129_O2	LEH_DS004129	LEH_DS006792	Irregular	Overflow	20		4.45	4.40					
LEH_DS004129_O3	LEH_DS004129	LEH_DO000760	Irregular	Overflow	20		5.00	4.90					
LEH_DS004129_O4	LEH_DS004129	TP_CC10998413	Irregular	Overflow	20		5.70	5.60					
LEH_DS004130_O	LEH_DS004130	LEH_DS006447	Irregular	Overflow	20		4.80	4.70					
LEH_DS004130_O1	LEH_DS004130	LEH_DS006792	Irregular	Overflow	20		5.05	5.00					
LEH_DS005177_O	LEH_DS005177	LEH_DS006798	Irregular	Overflow	20		4.80	4.70					
LEH_DS005344_O	LEH_DS005344	LEH_DS005371	Irregular	Overflow	20		6.55	6.50					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LEH_DS005344_O2	LEH_DS005344	BC_DS001962	Irregular	Overflow	20		5.90	5.80					
LEH_DS005347_O	LEH_DS005347	LEH_DS005357	Irregular	Overflow	20		4.80	4.70					
LEH_DS005357_O	LEH_DS005357	LEH_DS005177	Irregular	Overflow	20		4.65	4.60					
LEH_DS005361_O	LEH_DS005361	LEH_DS005365	Irregular	Overflow	20		5.25	5.20					
LEH_DS005365_O	LEH_DS005365	LEH_DS005376	Irregular	Overflow	20		5.10	5.00					
LEH_DS005366_O	LEH_DS005366	LEH_DS007768	Irregular	Overflow	20		8.15	8.10					
LEH_DS005369_O	LEH_DS005369	LEH_DS006727	Irregular	Overflow	20		4.50	4.40					
LEH_DS005371_O	LEH_DS005371	LEH_DS009231	Irregular	Overflow	20		6.55	6.50					
LEH_DS005375_O1	LEH_DS005375	LEH_DS004123	Irregular	Overflow	20		4.80	4.70					
LEH_DS005375_O2	LEH_DS005375	LEH_DO000760	Irregular	Overflow	20		5.35	5.30					
LEH_DS005376_O1	LEH_DS005376	EH_DS005397	Irregular	Overflow	20		4.90	4.80					
LEH_DS005376_O2	LEH_DS005376	LEH_DS006727	Irregular	Overflow	20		4.80	4.70					
LEH_DS005384_O	LEH_DS005384	LEH_DS005371	Irregular	Overflow	20		6.70	6.60					
LEH_DS005384_O1	LEH_DS005384	SC_DS001974	Irregular	Overflow	20		4.60	4.50					
LEH_DS005394_O	LEH_DS005394	LEH_DS006790	Irregular	Overflow	20		4.90	4.80					
LEH_DS005402_O	LEH_DS005402	LEH_DS006445	Irregular	Overflow	20		5.00	4.90					
LEH_DS006445_O	LEH_DS006445	LEH_DS006798	Irregular	Overflow	20		4.60	4.50					
LEH_DS006727_O	LEH_DS006727	LEH_DS004117	Irregular	Overflow	20		4.90	4.80					
LEH_DS006790_O	LEH_DS006790	LEH_DS006794	Irregular	Overflow	20		4.60	4.50					
LEH_DS006793_O	LEH_DS006793	LEH_NID8613	Irregular	Overflow	20		4.65	4.60					
LEH_DS006794_O	LEH_DS006794	LEH_DS006445	Irregular	Overflow	20		4.60	4.50					
LEH_DS007768_O	LEH_DS007768	LEH_DS007854	Irregular	Overflow	20		7.00	6.90					
LEH_DS007854_O	LEH_DS007854	LEH_DS005344	Irregular	Overflow	20		6.50	6.40					
LEH_NID10965_O	LEH_NID10965	LEH_DS004117	Irregular	Overflow	20		4.60	4.50					
LEH_NID8613_O	LEH_NID8613	LEH_DS005394	Irregular	Overflow	20		4.45	4.40					
MR_AGE999929_O	MR_AGE999929	MR_DO000650	Irregular	Overflow	20		5.00	4.95					
MR_AGE999942_O:MR_AGE999942	MR_AGE999942	BC_AGE999932	Irregular	Overflow	20		3.22	3.17					
MR_AGE999942_O:MR_AGE999942	MR_AGE999942	BC_AGE999940	Irregular	Overflow	20		3.20	3.15					
MR_AGE999943_O	MR_AGE999943	MR_DS007387	Irregular	Overflow	20		4.92	4.87					
MR_AGE999944_O	MR_AGE999944	MR_AGE999943	Irregular	Overflow	20		5.10	5.05					
MR_AGE999944_O:MR_AGE999944	MR_AGE999944	MR_DO000650	Irregular	Overflow	20		5.01	4.96					
MR_AGE999945_O:MR_AGE999945	MR_AGE999945	MR_AGE999929	Irregular	Overflow	20		5.30	5.25					
MR_AGE999945_O:MR_AGE999945	MR_AGE999945	MR_AGE999944	Irregular	Overflow	20		5.00	4.95					
MR_AGE999950_O	MR_AGE999950	BC_CDCO98245	Irregular	Overflow	20		3.05	2.95					
MR_DM000965_C	MR_DM000965	OR_NID10569	Irregular	Overflow	20		4.18	4.13					
MR_DO000571_O	MR_DO000571	MR_DO000574	Irregular	Overflow	20		1.00	0.90					
MR_DO000573_O	MR_DO000573	MR_DO000572	Irregular	Overflow	20		1.00	0.90					
MR_DS001937_O1	MR_DS001937	MR_DS004112	Irregular	Overflow	20		5.00	4.95					
MR_DS001937_O2	MR_DS001937	OR_DS002646	Irregular	Overflow	20		5.30	5.20					
MR_DS001937_O3	MR_DS001937	MR_DO000650	Irregular	Overflow	20		5.20	5.10					
MR_DS004112_O	MR_DS004112	MR_DS004793	Irregular	Overflow	20		4.46	4.41					
MR_DS007382_O	MR_DS007382	MR_DS007387	Irregular	Overflow	20		4.02	3.97					
MR_DS007387_O	MR_DS007387	MR_DS007425	Irregular	Overflow	20		4.34	4.29					
MR_DS007387_O1	MR_DS007387	MR_DO000650	Irregular	Overflow	20		4.70	4.65					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
MR_DS007425_O	MR_DS007425	MR_DMH000965	Irregular	Overflow	20		4.00	3.95					
MR_NID10031_O	MR_NID10031	OR_DS004110	Irregular	Overflow	20		4.81	4.76					
NC_AGE999416_O1	NC_AGE999416	NC_DS005062	Irregular	Overflow	20		6.80	6.70					
NC_AGE999416_O2	NC_AGE999416	NC_DS005099	Irregular	Overflow	20		6.80	6.70					
NC_AGE999425_O1	NC_AGE999425	NC_DS005746	Irregular	Overflow	20		11.20	11.10					
NC_AGE999425_O2	NC_AGE999425	NC_DS005987	Irregular	Overflow	20		11.00	10.90					
NC_AGE999428_O	NC_AGE999428	NC_DS005545	Irregular	Overflow	20		9.80	9.70					
NC_AGE999429_O	NC_AGE999429	NC_DS005730	Irregular	Overflow	20		8.95	8.90					
NC_AGE999446_O	NC_AGE999446	NC_DO000327	Irregular	Overflow	20		5.30	5.20					
NC_AGE999447_O	NC_AGE999447	NC_DO000343	Irregular	Overflow	20		2.60	2.50					
NC_AGE999450_O	NC_AGE999450	NC_DS005199	Irregular	Overflow	20		4.25	4.20					
NC_AGE999450_O2	NC_AGE999450	NC_DS008411	Irregular	Overflow	20		3.70	3.60					
NC_AGE999450_O3	NC_AGE999450	LB_DS006423	Irregular	Overflow	20		5.10	5.00					
NC_AGESunsetNE	NC_AGESunsetNE	NC_DO000343	Irregular	Overflow	20		3.20	3.10					
NC_AGESunsetS_O	NC_AGESunsetS	NC_DO000332	Irregular	Overflow	20		3.20	3.10					
NC_AGESunsetS_O	NC_AGESunsetS	NC_AGESunsetSW	Irregular	Overflow	20		3.50	3.40					
NC_AGESunsetSW	NC_AGESunsetSW	NC_NID11038	Irregular	Overflow	20		3.60	3.50					
NC_DO000088_O	NC_DO000088	NC_DO000547	Irregular	Overflow	20		3.75	3.70					
NC_DO000267_O	NC_DO000267	NC_DS007140	Irregular	Overflow	20		6.30	6.20					
NC_DO000327_O	NC_DO000327	NC_DO000354	Irregular	Overflow	20		3.45	3.40					
NC_DO000340_O	NC_DO000340	NC_AGESunsetSW	Irregular	Overflow	20		4.00	3.90					
NC_DO000346_O	NC_DO000346	NC_AGESunsetNE	Irregular	Overflow	20		3.40	3.30					
NC_DO000349_O	NC_DO000349	NC_AGESunsetSW	Irregular	Overflow	20		3.70	3.60					
NC_DS000343_O	NC_DS000343	NC_DS004996	Irregular	Overflow	20		8.60	8.50					
NC_DS000348_O	NC_DS000348	NC_DS004996	Irregular	Overflow	20		5.00	4.90					
NC_DS000393_O	NC_DS000393	NC_DS005746	Irregular	Overflow	20		11.70	11.60					
NC_DS000464_O1	NC_DS000464	HG_DS004590	Irregular	Overflow	20		7.30	7.20					
NC_DS000464_O2	NC_DS000464	NC_DO000267	Irregular	Overflow	20		6.55	6.50					
NC_DS000617_O	NC_DS000617	NC_DS000619	Irregular	Overflow	20		11.30	11.20					
NC_DS000619_O	NC_DS000619	HG_DS008027	Irregular	Overflow	20		10.60	10.50					
NC_DS000904_O1	NC_DS000904	NC_DS000393	Irregular	Overflow	20		12.00	11.90					
NC_DS000904_O2	NC_DS000904	NC_DS005871	Irregular	Overflow	20		12.10	12.00					
NC_DS002802_O1	NC_DS002802	NC_DS002818	Irregular	Overflow	20		4.05	4.00					
NC_DS002802_O2	NC_DS002802	NC_DS004984	Irregular	Overflow	20		4.15	4.10					
NC_DS002806_O	NC_DS002806	NC_DS002812	Irregular	Overflow	20		3.75	3.70					
NC_DS002807_O	NC_DS002807	NC_DS002806	Irregular	Overflow	20		3.85	3.80					
NC_DS002812_O1	NC_DS002812	NC_DS004984	Irregular	Overflow	20		3.85	3.80					
NC_DS002812_O2	NC_DS002812	NC_DS008411	Irregular	Overflow	20		3.90	3.80					
NC_DS002818_O	NC_DS002818	NC_DS002807	Irregular	Overflow	20		4.05	4.00					
NC_DS003200_O	NC_DS003200	NC_DS008329	Irregular	Overflow	20		11.20	11.10					
NC_DS003203_O	NC_DS003203	NC_DS005572	Irregular	Overflow	20		7.30	7.20					
NC_DS003355_O1	NC_DS003355	NC_DS004604	Irregular	Overflow	20		9.20	9.10					
NC_DS003355_O2	NC_DS003355	PKE_DO000492	Irregular	Overflow	20		8.10	8.00					
NC_DS004409_O	NC_DS004409	NC_DS003200	Irregular	Overflow	20		11.40	11.30					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS004604_O1	NC_DS004604	NC_DO000327	Irregular	Overflow	20		9.20	9.10					
NC_DS004610_O	NC_DS004610	NC_DS005662	Irregular	Overflow	20		8.40	8.30					
NC_DS004982_O1	NC_DS004982	NC_DS005013	Irregular	Overflow	20		3.95	3.90					
NC_DS004982_O2	NC_DS004982	NC_AGE999408	Irregular	Overflow	20		3.70	3.60					
NC_DS004983_O1	NC_DS004983	NC_AGE999405	Irregular	Overflow	20		3.25	3.20					
NC_DS004983_O2	NC_DS004983	NC_DS005511	Irregular	Overflow	20		3.20	3.10					
NC_DS004984_O1	NC_DS004984	NC_DS005037	Irregular	Overflow	20		4.20	4.10					
NC_DS004984_O2	NC_DS004984	NC_DS005013	Irregular	Overflow	20		3.90	3.80					
NC_DS004986_O	NC_DS004986	NC_DS004983	Irregular	Overflow	20		3.25	3.20					
NC_DS004996_O	NC_DS004996	NC_DS005199	Irregular	Overflow	20		4.50	4.40					
NC_DS005013_O1	NC_DS005013	LB_DS006527	Irregular	Overflow	20		5.25	5.20					
NC_DS005013_O2	NC_DS005013	NC_DS005200	Irregular	Overflow	20		4.40	4.30					
NC_DS005016_O1	NC_DS005016	NC_AGE999406	Irregular	Overflow	20		4.40	4.30					
NC_DS005016_O2	NC_DS005016	NC_DS005013	Irregular	Overflow	20		4.50	4.40					
NC_DS005021_O	NC_DS005021	NC_DS005492	Irregular	Overflow	20		2.90	2.80					
NC_DS005023_O	NC_DS005023	NC_DS004986	Irregular	Overflow	20		3.50	3.40					
NC_DS005024_O1	NC_DS005024	NC_DO000155	Irregular	Overflow	20		5.30	5.20					
NC_DS005024_O2	NC_DS005024	OH_DS002791	Irregular	Overflow	20		6.55	6.50					
NC_DS005029_O1	NC_DS005029	NC_DS005013	Irregular	Overflow	20		3.70	3.60					
NC_DS005029_O2	NC_DS005029	NC_AGE999408	Irregular	Overflow	20		3.90	3.80					
NC_DS005029_O3	NC_DS005029	NC_AGE999406	Irregular	Overflow	20		3.70	3.60					
NC_DS005030_O2	NC_DS004986	NC_DS005511	Irregular	Overflow	20		3.10	3.00					
NC_DS005032_O	NC_DS005032	NC_AGE999410	Irregular	Overflow	20		4.40	4.30					
NC_DS005033_O	NC_DS005033	NC_AGE999409	Irregular	Overflow	20		2.90	2.80					
NC_DS005036_O1	NC_DS005036	NC_DS005033	Irregular	Overflow	20		2.80	2.70					
NC_DS005036_O2	NC_DS005036	NC_DS005533	Irregular	Overflow	20		3.00	2.90					
NC_DS005037_O1	NC_DS005037	NC_DS005032	Irregular	Overflow	20		4.50	4.40					
NC_DS005037_O2	NC_DS005037	NC_DS004982	Irregular	Overflow	20		3.95	3.90					
NC_DS005037_O3	NC_DS005037	NC_DS005013	Irregular	Overflow	20		4.00	3.90					
NC_DS005045_O	NC_DS005045	NC_DS005038	Irregular	Overflow	20		6.20	6.10					
NC_DS005046_O1	NC_DS005046	NC_AGE999412	Irregular	Overflow	20		4.65	4.60					
NC_DS005046_O2	NC_DS005046	NC_DS005045	Irregular	Overflow	20		4.95	4.90					
NC_DS005047_O1	NC_DS005047	NC_DS008120	Irregular	Overflow	20		2.55	2.50					
NC_DS005047_O2	NC_DS005047	NC_DS005053	Irregular	Overflow	20		2.80	2.70					
NC_DS005051_O	NC_DS005051	NC_DS005070	Irregular	Overflow	20		8.10	8.00					
NC_DS005053_O1	NC_DS005053	NC_AGE999411	Irregular	Overflow	20		2.80	2.70					
NC_DS005053_O2	NC_DS005053	NC_DS005575	Irregular	Overflow	20		3.00	2.90					
NC_DS005053_O3	NC_DS005053	NC_DS005056	Irregular	Overflow	20		2.95	2.90					
NC_DS005056_O1	NC_DS005056	NC_DS005575	Irregular	Overflow	20		2.60	2.50					
NC_DS005056_O2	NC_DS005056	NC_AGE999448	Irregular	Overflow	20		2.70	2.60					
NC_DS005059_O1	NC_DS005059	NC_AGE999413	Irregular	Overflow	20		4.00	3.90					
NC_DS005059_O2	NC_DS005059	NC_AGE999412	Irregular	Overflow	20		4.90	4.80					
NC_DS005062_O1	NC_DS005062	NC_DS005063	Irregular	Overflow	20		3.90	3.80					
NC_DS005062_O2	NC_DS005062	NC_DS005099	Irregular	Overflow	20		4.05	4.00					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS005063_O1	NC_DS005063	NC_DS005113	Irregular	Overflow	20		4.60	4.50					
NC_DS005063_O2	NC_DS005063	NC_DS005102	Irregular	Overflow	20		4.25	4.20					
NC_DS005070_O	NC_DS005070	NC_DS005589	Irregular	Overflow	20		5.65	5.60					
NC_DS005072_O1	NC_DS005072	NC_DS005070	Irregular	Overflow	20		5.45	5.40					
NC_DS005072_O2	NC_DS005072	NC_DS005589	Irregular	Overflow	20		5.75	5.70					
NC_DS005087_O1	NC_DS005087	NC_DS005099	Irregular	Overflow	20		4.90	4.80					
NC_DS005087_O2	NC_DS005087	NC_DS005059	Irregular	Overflow	20		5.05	5.00					
NC_DS005090_O	NC_DS005090	NC_DS005087	Irregular	Overflow	20		6.30	6.20					
NC_DS005092_O1	NC_DS005092	NC_DS005087	Irregular	Overflow	20		6.45	6.40					
NC_DS005092_O2	NC_DS005092	NC_DS005090	Irregular	Overflow	20		6.45	6.40					
NC_DS005099_O	NC_DS005099	NC_AGE999417	Irregular	Overflow	20		5.00	4.90					
NC_DS005102_O1	NC_DS005102	NC_AGE999418	Irregular	Overflow	20		5.00	4.90					
NC_DS005102_O2	NC_DS005102	NC_DS005099	Irregular	Overflow	20		4.10	4.00					
NC_DS005104_O	NC_DS005104	NC_AGE999414	Irregular	Overflow	20		3.80	3.70					
NC_DS005105_O	NC_DS005105	NC_AGE999415	Irregular	Overflow	20		3.80	3.70					
NC_DS005113_O	NC_DS005113	NC_DS005102	Irregular	Overflow	20		4.30	4.20					
NC_DS005148_O	NC_DS005148	NC_DO000349	Irregular	Overflow	20		9.00	8.90					
NC_DS005200_O	NC_DS005200	NC_AGE999450	Irregular	Overflow	20		4.20	4.10					
NC_DS005480_O	NC_DS005480	NC_DS005024	Irregular	Overflow	20		7.00	6.90					
NC_DS005492_O1	NC_DS005492	NC_AGE999407	Irregular	Overflow	20		3.45	3.40					
NC_DS005492_O2	NC_DS005492	NC_DS005023	Irregular	Overflow	20		3.50	3.40					
NC_DS005492_O3	NC_DS005492	NC_DS004986	Irregular	Overflow	20		3.55	3.50					
NC_DS005501_O1	NC_DS005501	NC_DS002806	Irregular	Overflow	20		4.10	4.00					
NC_DS005501_O2	NC_DS005501	NC_DS002818	Irregular	Overflow	20		4.10	4.00					
NC_DS005511_O	NC_DS005511	NC_DS005036	Irregular	Overflow	20		3.00	2.90					
NC_DS005511_O2	NC_DS005511	NC_DS005533	Irregular	Overflow	20		3.00	2.90					
NC_DS005529_O2	NC_DS005533	NC_DS005551	Irregular	Overflow	20		2.95	2.90					
NC_DS005533_O	NC_DS005533	NC_NID11089	Irregular	Overflow	20		3.05	3.00					
NC_DS005541_O	NC_DS005541	NC_DS005480	Irregular	Overflow	20		8.80	8.70					
NC_DS005545_O	NC_DS005545	NC_DS005070	Irregular	Overflow	20		7.75	7.70					
NC_DS005547_O2	NC_DS005547	NC_AGE999435	Irregular	Overflow	20		4.80	4.70					
NC_DS005551_O	NC_DS005551	NC_DS005047	Irregular	Overflow	20		2.90	2.80					
NC_DS005572_O	NC_DS005572	NC_DS000464	Irregular	Overflow	20		6.90	6.80					
NC_DS005575_O	NC_DS005575	NC_AGE999449	Irregular	Overflow	20		2.40	2.30					
NC_DS005576_O	NC_DS005576	NC_DS005541	Irregular	Overflow	20		10.50	10.40					
NC_DS005589_O	NC_DS005589	NC_DS005059	Irregular	Overflow	20		4.40	4.30					
NC_DS005612_O	NC_DS005612	NC_DS005092	Irregular	Overflow	20		10.10	10.00					
NC_DS005618_O1	NC_DS005618	NC_DS005896	Irregular	Overflow	20		9.10	9.00					
NC_DS005618_O2	NC_DS005618	NC_DS005092	Irregular	Overflow	20		9.05	9.00					
NC_DS005633_O1	NC_DS005633	NC_NID11038	Irregular	Overflow	20		6.10	6.00					
NC_DS005633_O2	NC_DS005633	NC_DS005631	Irregular	Overflow	20		9.20	9.10					
NC_DS005634_O1	NC_DS005634	NC_DS006373	Irregular	Overflow	20		12.85	12.80					
NC_DS005634_O2	NC_DS005634	NC_DS005612	Irregular	Overflow	20		13.10	13.00					
NC_DS005638_O1	NC_DS005638	NC_DS006373	Irregular	Overflow	20		10.40	10.30					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS005638_O2	NC_DS005638	NC_DS005612	Irregular	Overflow	20		10.30	10.20					
NC_DS005658_O	NC_DS005658	NC_DS005870	Irregular	Overflow	20		5.75	5.70					
NC_DS005662_O1	NC_DS005662	NC_DS005730	Irregular	Overflow	20		4.00	3.90					
NC_DS005662_O2	NC_DS005662	NC_DS007101	Irregular	Overflow	20		4.00	3.90					
NC_DS005662_O3	NC_DS005662	NC_DS005736	Irregular	Overflow	20		4.15	4.10					
NC_DS005730_O	NC_DS005730	NC_DS007101	Irregular	Overflow	20		4.00	3.90					
NC_DS005736_O1	NC_DS005736	NC_DS007101	Irregular	Overflow	20		2.70	2.60					
NC_DS005736_O2	NC_DS005736	NC_DO000354	Irregular	Overflow	20		2.80	2.70					
NC_DS005740_O1	NC_DS005740	NC_DS005769	Irregular	Overflow	20		8.10	8.00					
NC_DS005740_O2	NC_DS005740	NC_DS005870	Irregular	Overflow	20		7.65	7.60					
NC_DS005740_O3	NC_DS005740	NC_DS005736	Irregular	Overflow	20		7.90	7.80					
NC_DS005746_O	NC_DS005746	NC_DS005987	Irregular	Overflow	20		11.20	11.10					
NC_DS005769_O1	NC_DS005769	NC_DS003203	Irregular	Overflow	20		7.35	7.30					
NC_DS005769_O2	NC_DS005769	NC_DS007140	Irregular	Overflow	20		7.35	7.30					
NC_DS005870_O	NC_DS005870	NC_DS005736	Irregular	Overflow	20		5.30	5.20					
NC_DS005871_O1	NC_DS005871	NC_DS005746	Irregular	Overflow	20		11.80	11.70					
NC_DS005871_O2	NC_DS005871	NC_AGE999425	Irregular	Overflow	20		11.90	11.80					
NC_DS005896_O	NC_DS005896	NC_DO000343	Irregular	Overflow	20		2.50	2.40					
NC_DS005896_O2	NC_DS005896	NC_AGE999437	Irregular	Overflow	20		4.10	4.00					
NC_DS005896_O3	NC_DS005896	NC_DS005062	Irregular	Overflow	20		3.65	3.60					
NC_DS005987_O	NC_DS005987	NC_DS005740	Irregular	Overflow	20		8.35	8.30					
NC_DS006345_O	NC_DS006345	NC_DS005612	Irregular	Overflow	20		10.10	10.00					
NC_DS006345_O2	NC_DS006345	NC_DS005072	Irregular	Overflow	20		10.00	9.90					
NC_DS006373_O	NC_DS006373	NC_DO000346	Irregular	Overflow	20		8.60	8.50					
NC_DS007101_O	NC_DS007101	NC_AGE999425	Irregular	Overflow	20		3.45	3.40					
NC_DS007140_O	NC_DS007140	NC_DS005658	Irregular	Overflow	20		5.70	5.60					
NC_DS008022_O	NC_DS008022	NC_DS003203	Irregular	Overflow	20		8.65	8.60					
NC_DS008025_O	NC_DS008025	NC_DS008022	Irregular	Overflow	20		9.30	9.20					
NC_DS008029_O	NC_DS008029	NC_DS008025	Irregular	Overflow	20		10.00	9.90					
NC_DS008329_O	NC_DS008329	NC_DS008029	Irregular	Overflow	20		10.25	10.20					
NC_DS008830_O1	NC_DS008830	NC_DS005037	Irregular	Overflow	20		4.10	4.00					
NC_DS008830_O2	NC_DS008830	NC_DS005032	Irregular	Overflow	20		4.45	4.40					
NC_DS008830_O3	NC_DS008830	NC_DS005547	Irregular	Overflow	20		4.30	4.20					
NC_DS008830_O4	NC_DS008830	NC_DS005038	Irregular	Overflow	20		4.20	4.10					
NC_DS009209_O1	NC_DS009209	NC_AGE999429	Irregular	Overflow	20		12.15	12.10					
NC_DS009209_O2	NC_DS009209	NC_DS000393	Irregular	Overflow	20		12.10	12.00					
NC_NID11036_O	NC_NID11036	NC_CHC98338	Irregular	Overflow	20		0.95	0.90					
NC_NID11038_O	NC_NID11038	NC_VCD000071	Irregular	Overflow	20		4.10	4.00					
NC_NID11089_O	NC_NID11089	NC_DS005551	Irregular	Overflow	20		2.90	2.80					
NC_VCD000061_O1	NC_VCD000061	NC_DS005013	Irregular	Overflow	20		3.20	3.10					
NC_VCD000061_O2	NC_VCD000061	NC_AGE999450	Irregular	Overflow	20		3.70	3.60					
OH_AGE999457_O	OH_AGE999457	OH_CC10998402	Irregular	Overflow	20		2.55	2.50					
OH_AGE999458_O	OH_AGE999458	OH_CHC98320	Irregular	Overflow	20		6.25	6.20					
OH_AGE999521_O	OH_AGE999521	OH_DS007457	Irregular	Overflow	20		5.75	5.70					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_AGE999522_O	OH_AGE999522	OH_DS007457	Irregular	Overflow	20		6.00	5.90					
OH_AGE999523_O	OH_AGE999523	OH_DS007457	Irregular	Overflow	20		4.50	4.40					
OH_AGE999524_O1	OH_AGE999524	OH_AGE999526	Irregular	Overflow	20		5.20	5.10					
OH_AGE999524_O2	OH_AGE999524	OH_CC10998405	Irregular	Overflow	20		5.40	5.30					
OH_AGE999525_O	OH_AGE999525	OH_CC10998405	Irregular	Overflow	20		4.40	4.30					
OH_AGE999526_O	OH_AGE999526	OH_DS007457	Irregular	Overflow	20		4.60	4.50					
OH_AGE999527_O	OH_AGE999527	OH_CC10998410	Irregular	Overflow	20		4.20	4.10					
OH_AGE999528_O	OH_AGE999528	OH_DS007849	Irregular	Overflow	20		7.20	7.10					
OH_AGE999637_O	OH_AGE999637	OH_CC10998405	Irregular	Overflow	20		2.50	2.40					
OH_AGE999650_O1	OH_AGE999650	OH_DO000135	Irregular	Overflow	20		5.35	5.30					
OH_AGE999650_O2	OH_AGE999650	OH_DS007468	Irregular	Overflow	20		5.35	5.30					
OH_AGE999650_O3	OH_AGE999650	OH_AGE999525	Irregular	Overflow	20		5.20	5.10					
OH_DO000149_O	OH_DO000149	OH_AGE999528	Irregular	Overflow	20		7.20	7.10					
OH_DO000668_O	OH_DO000668	OH_DO000661	Irregular	Overflow	20		6.60	6.50					
OH_DO000669_O	OH_DO000669	OH_DO000668	Irregular	Overflow	20		6.00	5.90					
OH_DO000694_O	OH_DO000694	OH_DS003264	Irregular	Overflow	20		6.00	5.90					
OH_DO000733_O	OH_DO000733	OH_DO000734	Irregular	Overflow	20		4.40	4.30					
OH_DO000734_O	OH_DO000734	OH_DS006505	Irregular	Overflow	20		6.00	5.90					
OH_DO000740_O	OH_DO000740	OH_DO000739	Irregular	Overflow	20		2.30	2.20					
OH_DO000756_O	OH_DO000756	OH_CHC98319	Irregular	Overflow	20		5.35	5.30					
OH_DS000815_O	OH_DS000815	OH_DS004152	Irregular	Overflow	20		6.10	6.00					
OH_DS001155_O1	OH_DS001155	OH_DS001156	Irregular	Overflow	20		4.10	4.00					
OH_DS001159_O	OH_DS001159	OH_DS001164	Irregular	Overflow	20		3.90	3.80					
OH_DS001160_O	OH_DS001156	OH_DS001159	Irregular	Overflow	20		4.15	4.10					
OH_DS001164_O	OH_DS001164	OH_DS001167	Irregular	Overflow	20		4.05	4.00					
OH_DS001167_O	OH_DS001167	OH_CHC98316	Irregular	Overflow	20		4.00	3.90					
OH_DS001182_O	OH_DS001182	OH_DS006835	Irregular	Overflow	20		5.20	5.10					
OH_DS001250_O1	OH_DS001250	OH_DS008265	Irregular	Overflow	20		6.20	6.10					
OH_DS001250_O2	OH_DS001250	OH_AGE999456	Irregular	Overflow	20		6.25	6.20					
OH_DS002791_O1	OH_DS002791	OH_DS009053	Irregular	Overflow	20		4.50	4.40					
OH_DS002791_O2	OH_DS002791	OH_DS009055	Irregular	Overflow	20		4.60	4.50					
OH_DS003264_O	OH_DS003264	OH_CC10998405	Irregular	Overflow	20		2.50	2.40					
OH_DS003303_O	OH_DS003303	OH_DS006512	Irregular	Overflow	20		6.15	6.10					
OH_DS003303_O1	OH_DS003303	OH_DS003304	Irregular	Overflow	20		6.05	6.00					
OH_DS003304_O1	OH_DS003304	OH_DO000756	Irregular	Overflow	20		6.30	6.20					
OH_DS003304_O2	OH_DS003304	OH_DS006513	Irregular	Overflow	20		6.15	6.10					
OH_DS003305_O	OH_DS003305	OH_DS003304	Irregular	Overflow	20		6.55	6.50					
OH_DS003448_O1	OH_DS003448	OH_DS003454	Irregular	Overflow	20		5.45	5.40					
OH_DS003448_O2	OH_DS003448	OH_CHC98316	Irregular	Overflow	20		5.20	5.10					
OH_DS003448_O3	OH_DS003448	OH_DS003449	Irregular	Overflow	20		5.10	5.00					
OH_DS003449_O1	OH_DS003449	OH_DS003482	Irregular	Overflow	20		5.25	5.20					
OH_DS003449_O2	OH_DS003449	OH_DS001159	Irregular	Overflow	20		5.00	4.90					
OH_DS003452_O	OH_DS003452	OH_CHC98314	Irregular	Overflow	20		5.10	5.00					
OH_DS003454_O1	OH_DS003454	OH_DS003452	Irregular	Overflow	20		5.35	5.30					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS003454_O2	OH_DS003454	OH_CHC98316	Irregular	Overflow	20		5.50	5.40					
OH_DS003456_O1	OH_DS003456	OH_DS003476	Irregular	Overflow	20		5.40	5.30					
OH_DS003456_O2	OH_DS003456	OH_DS006805	Irregular	Overflow	20		5.00	4.90					
OH_DS003470_O1	OH_DS003470	OH_CHC98315	Irregular	Overflow	20		5.30	5.20					
OH_DS003470_O2	OH_DS003470	OH_DS003452	Irregular	Overflow	20		5.55	5.50					
OH_DS003472_O	OH_DS003472	OH_DS003476	Irregular	Overflow	20		5.30	5.20					
OH_DS003478_O	OH_DS003478	OH_DS003479	Irregular	Overflow	20		5.20	5.10					
OH_DS003479_O	OH_DS003479	OH_DS003482	Irregular	Overflow	20		5.60	5.50					
OH_DS003482_O	OH_DS003482	OH_DS004807	Irregular	Overflow	20		5.10	5.00					
OH_DS003486_O1	OH_DS003486	OH_DS003470	Irregular	Overflow	20		5.20	5.10					
OH_DS003486_O2	OH_DS003486	OH_DS003472	Irregular	Overflow	20		5.35	5.30					
OH_DS003487_O	OH_DS003487	OH_CHC98317	Irregular	Overflow	20		5.25	5.20					
OH_DS003495_O	OH_DS003495	OH_CC10998402	Irregular	Overflow	20		2.50	2.40					
OH_DS003497_O1	OH_DS003497	OH_DS006861	Irregular	Overflow	20		6.40	6.30					
OH_DS003497_O2	OH_DS003497	OH_DS008259	Irregular	Overflow	20		6.65	6.60					
OH_DS003498_O	OH_DS003498	OH_DS007474	Irregular	Overflow	20		6.30	6.20					
OH_DS003944_O1	OH_DS003944	OH_DO000441	Irregular	Overflow	20		6.50	6.40					
OH_DS003944_O2	OH_DS003944	OH_DS007474	Irregular	Overflow	20		5.80	5.70					
OH_DS004150_O	OH_DS004150	OH_DS003944	Irregular	Overflow	20		6.40	6.30					
OH_DS004151_O	OH_DS004151	OH_DS008270	Irregular	Overflow	20		3.50	3.40					
OH_DS004152_O	OH_DS004152	OH_DS004151	Irregular	Overflow	20		6.20	6.10					
OH_DS004801_O	OH_DS004801	OH_DS004804	Irregular	Overflow	20		6.80	6.70					
OH_DS004804_O	OH_DS004804	OH_DS004808	Irregular	Overflow	20		5.35	5.30					
OH_DS004805_1	OH_DS004805	OH_DS004804	Irregular	Overflow	20		5.45	5.40					
OH_DS004805_O2	OH_DS004805	OH_DS004807	Irregular	Overflow	20		5.35	5.30					
OH_DS004805_O3	OH_DS004805	OH_DS003458	Irregular	Overflow	20		5.20	5.10					
OH_DS004806_O	OH_DS004806	OH_DS004804	Irregular	Overflow	20		5.35	5.30					
OH_DS004807_O	OH_DS004807	OH_DS004806	Irregular	Overflow	20		5.45	5.40					
OH_DS004808_O	OH_DS004808	OH_DS004811	Irregular	Overflow	20		5.35	5.30					
OH_DS004811_O	OH_DS004811	OH_DS004815	Irregular	Overflow	20		5.30	5.20					
OH_DS004815_O	OH_DS004815	OH_DS006757	Irregular	Overflow	20		5.10	5.00					
OH_DS006069_O	OH_DS006069	OH_DO000678	Irregular	Overflow	20		5.55	5.50					
OH_DS006248_O	OH_DS006248	OH_DO000135	Irregular	Overflow	20		9.50	9.40					
OH_DS006283_O	OH_DS006283	OH_AGE999433	Irregular	Overflow	20		3.50	3.40					
OH_DS006500_O	OH_DS006500	OH_DS006511	Irregular	Overflow	20		6.15	6.10					
OH_DS006504_O	OH_DS006504	OH_DS006511	Irregular	Overflow	20		6.50	6.40					
OH_DS006505_O1	OH_DS006505	OH_DS006504	Irregular	Overflow	20		6.40	6.30					
OH_DS006505_O2	OH_DS006505	OH_CHC98317	Irregular	Overflow	20		5.90	5.80					
OH_DS006506_O	OH_DS006506	OH_DS006505	Irregular	Overflow	20		6.25	6.20					
OH_DS006509_O	OH_DS006509	OH_DS006512	Irregular	Overflow	20		6.40	6.30					
OH_DS006511_O	OH_DS006511	OH_DS006513	Irregular	Overflow	20		6.00	5.90					
OH_DS006512_O	OH_DS006512	OH_DS008259	Irregular	Overflow	20		6.30	6.20					
OH_DS006513_O	OH_DS006513	OH_DO000756	Irregular	Overflow	20		6.20	6.10					
OH_DS006524_O	OH_DS006524	OH_CHC98320	Irregular	Overflow	20		5.25	5.20					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS006524_O1	OH_DS006524	OH_DS004152	Irregular	Overflow	20		6.00	5.90					
OH_DS006531_O	OH_DS006531	OH_DS007468	Irregular	Overflow	20		6.65	6.60					
OH_DS006716_O1	OH_DS006716	OH_DO000661	Irregular	Overflow	20		8.60	8.50					
OH_DS006716_O2	OH_DS006716	OH_DO000668	Irregular	Overflow	20		8.50	8.40					
OH_DS006719_O	OH_DS006719	OH_CHC98312	Irregular	Overflow	20		3.70	3.60					
OH_DS006721_O1	OH_DS006721	OH_DS001155	Irregular	Overflow	20		4.80	4.70					
OH_DS006721_O2	OH_DS006721	OH_DS006719	Irregular	Overflow	20		4.75	4.70					
OH_DS006734_O	OH_DS006734	OH_DS006765	Irregular	Overflow	20		7.80	7.70					
OH_DS006748_O	OH_DS006748	OH_DS006734	Irregular	Overflow	20		7.65	7.60					
OH_DS006754_O1	OH_DS006754	BC_DS006755	Irregular	Overflow	20		6.75	6.70					
OH_DS006754_O2	OH_DS006754	OH_AGE999521	Irregular	Overflow	20		6.55	6.50					
OH_DS006757_O1	OH_DS006757	OH_DS006756	Irregular	Overflow	20		5.30	5.20					
OH_DS006758_O1	OH_DS006758	OH_DS006761	Irregular	Overflow	20		5.25	5.20					
OH_DS006758_O2	OH_DS006758	OH_DS006762	Irregular	Overflow	20		5.30	5.20					
OH_DS006758_O3	OH_DS006758	OH_DS006756	Irregular	Overflow	20		5.40	5.30					
OH_DS006762_O	OH_DS006762	OH_DO000678	Irregular	Overflow	20		5.25	5.20					
OH_DS006802_O	OH_DS006802	OH_CC10998401	Irregular	Overflow	20		5.70	5.60					
OH_DS006803_O1	OH_DS006803	OH_DS006823	Irregular	Overflow	20		5.40	5.30					
OH_DS006803_O2	OH_DS006803	OH_DS006804	Irregular	Overflow	20		5.35	5.30					
OH_DS006804_O	OH_DS006804	OH_DO000678	Irregular	Overflow	20		5.00	4.90					
OH_DS006805_O1	OH_DS006805	OH_DS003478	Irregular	Overflow	20		5.10	5.00					
OH_DS006805_O2	OH_DS006805	OH_DS006757	Irregular	Overflow	20		5.25	5.20					
OH_DS006806_O	OH_DS006806	OH_DS006761	Irregular	Overflow	20		5.50	5.40					
OH_DS006806_O2	OH_DS006806	OH_DS003476	Irregular	Overflow	20		5.00	4.90					
OH_DS006807_O1	OH_DS006807	OH_DS003495	Irregular	Overflow	20		6.20	6.10					
OH_DS006807_O2	OH_DS006807	OH_CC10998402	Irregular	Overflow	20		6.10	6.00					
OH_DS006808_O1	OH_DS006808	OH_DS006807	Irregular	Overflow	20		5.45	5.40					
OH_DS006808_O2	OH_DS006808	OH_DS006810	Irregular	Overflow	20		5.55	5.50					
OH_DS006808_O3	OH_DS006808	OH_DS006809	Irregular	Overflow	20		5.55	5.50					
OH_DS006809_O	OH_DS006809	OH_DS001182	Irregular	Overflow	20		5.60	5.50					
OH_DS006810_O	OH_DS006810	OH_DS006802	Irregular	Overflow	20		6.20	6.10					
OH_DS006820_O1	OH_DS006820	OH_DS006822	Irregular	Overflow	20		5.50	5.40					
OH_DS006820_O2	OH_DS006820	OH_DS006832	Irregular	Overflow	20		5.40	5.30					
OH_DS006822_O1	OH_DS006822	OH_DS003487	Irregular	Overflow	20		5.55	5.50					
OH_DS006822_O2	OH_DS006822	OH_CHC98317	Irregular	Overflow	20		5.00	4.90					
OH_DS006823_O	OH_DS006823	OH_DS003486	Irregular	Overflow	20		5.25	5.20					
OH_DS006825_O	OH_DS006825	OH_AGE999454	Irregular	Overflow	20		4.90	4.80					
OH_DS006829_O1	OH_DS006829	OH_DS006809	Irregular	Overflow	20		4.95	4.90					
OH_DS006829_O2	OH_DS006829	OH_DS006826	Irregular	Overflow	20		5.55	5.50					
OH_DS006832_O1	OH_DS006832	OH_DS006826	Irregular	Overflow	20		5.65	5.60					
OH_DS006832_O2	OH_DS006832	OH_DS006823	Irregular	Overflow	20		5.70	5.60					
OH_DS006835_O	OH_DS006835	OH_DS006820	Irregular	Overflow	20		5.25	5.20					
OH_DS006861_O1	OH_DS006861	OH_DS003498	Irregular	Overflow	20		6.60	6.50					
OH_DS006861_O2	OH_DS006861	OH_DS006509	Irregular	Overflow	20		6.10	6.00					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OH_DS006864_O1	OH_DS006864	OH_DS003497	Irregular	Overflow	20		6.70	6.60					
OH_DS006864_O2	OH_DS006864	OH_DS008265	Irregular	Overflow	20		6.20	6.10					
OH_DS006868_O	OH_DS006868	OH_DO000739	Irregular	Overflow	20		8.25	8.20					
OH_DS006869_O	OH_DS006869	OH_DO000740	Irregular	Overflow	20		6.40	6.30					
OH_DS006873_O	OH_DS006873	OH_AGE999458	Irregular	Overflow	20		7.50	7.40					
OH_DS006874_O	OH_DS006874	OH_DS006869	Irregular	Overflow	20		10.30	10.20					
OH_DS007453_O	OH_DS007453	OH_DS006748	Irregular	Overflow	20		8.75	8.70					
OH_DS007455_O1	OH_DS007455	OH_DS006754	Irregular	Overflow	20		6.35	6.30					
OH_DS007455_O2	OH_DS007455	OH_DO000669	Irregular	Overflow	20		6.50	6.40					
OH_DS007457_O	OH_DS007457	BC_AGE999657	Irregular	Overflow	20		4.80	4.70					
OH_DS007468_O1	OH_DS007468	OH_CC10998409	Irregular	Overflow	20		5.20	5.10					
OH_DS007468_O2	OH_DS007468	OH_AGE999527	Irregular	Overflow	20		5.35	5.30					
OH_DS007474_O	OH_DS007474	OH_DS003305	Irregular	Overflow	20		6.30	6.20					
OH_DS007849_O1	OH_DS007849	OH_AGE999527	Irregular	Overflow	20		6.10	6.00					
OH_DS007849_O2	OH_DS007849	OH_DS007468	Irregular	Overflow	20		6.00	5.90					
OH_DS008259_O	OH_DS008259	OH_DS006500	Irregular	Overflow	20		6.20	6.10					
OH_DS008259_O2	OH_DS008259	OH_DS006506	Irregular	Overflow	20		6.30	6.20					
OH_DS008265_O	OH_DS008265	OH_DS006861	Irregular	Overflow	20		6.60	6.50					
OH_DS008268	OH_DS008268	OH_DS008280	Irregular	Overflow	20		6.20	6.10					
OH_DS008270_O	OH_DS008270	OH_DS008271	Irregular	Overflow	20		6.55	6.50					
OH_DS008270_O2	OH_DS008270	OH_DS004150	Irregular	Overflow	20		6.70	6.60					
OH_DS008271_O	OH_DS008271	OH_DS008268	Irregular	Overflow	20		6.25	6.20					
OH_DS008275_O	OH_DS008275	OH_DS008278	Irregular	Overflow	20		6.35	6.30					
OH_DS008278_O	OH_DS008278	OH_DS008271	Irregular	Overflow	20		6.35	6.30					
OH_DS008280_O	OH_DS008280	OH_DS008281	Irregular	Overflow	20		6.40	6.30					
OH_DS008281_O	OH_DS008281	OH_DS003498	Irregular	Overflow	20		6.75	6.70					
OH_DS008282_O1	OH_DS008282	OH_DS008285	Irregular	Overflow	20		6.10	6.00					
OH_DS008282_O2	OH_DS008282	OH_DS008281	Irregular	Overflow	20		6.30	6.20					
OH_DS008285_O	OH_DS008285	OH_DS008275	Irregular	Overflow	20		5.95	5.90					
OH_DS008295_O1	OH_DS008295	OH_DS008300	Irregular	Overflow	20		5.90	5.80					
OH_DS008295_O2	OH_DS008295	OH_DS006069	Irregular	Overflow	20		5.60	5.50					
OH_DS008300_O	OH_DS008300	OH_DS004808	Irregular	Overflow	20		6.10	6.00					
OH_DS009055_O	OH_DS009055	OH_DS006283	Irregular	Overflow	20		4.10	4.00					
OH_DS009438_O	OH_DS009438	OH_DS007468	Irregular	Overflow	20		5.70	5.60					
OH_NID15958_O	OH_NID15958	OH_DS002791	Irregular	Overflow	20		6.10	6.00					
OH_NID15960_O1	OH_NID15960	OH_NID15958	Irregular	Overflow	20		6.10	6.00					
OH_NID15960_O2	OH_NID15960	OH_DS006282	Irregular	Overflow	20		6.50	6.40					
OR_DS001883_O1	OR_DS001883	OR_DO000581	Irregular	Overflow	20		4.00	3.90					
OR_DS001883_O2	OR_DS001883	OR_DS001886	Irregular	Overflow	20		5.26	5.21					
OR_DS001883_O3	OR_DS001883	OR_DS002646	Irregular	Overflow	20		5.30	5.20					
OR_DS001886_O	OR_DS001886	OR_DS004005	Irregular	Overflow	20		4.60	4.55					
OR_DS002484_O	OR_DS002484	OR_DS005343	Irregular	Overflow	20		4.72	4.67					
OR_DS002489_O	OR_DS002489	OR_DS006704	Irregular	Overflow	20		4.80	4.70					
OR_DS002493_O1	OR_DS002493	OR_DS002624	Irregular	Overflow	20		4.40	4.35					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
OR_DS002493_OS	OR_DS002493	OR_DS002595	Irregular	Overflow	20		4.60	4.55					
NC_AGE999405_OS	NC_AGE999405	NC_CHC98330	Irregular	Seawall	20		2.80	2.70					
NC_AGE999406_OS	NC_AGE999406	NC_CHC98325	Irregular	Seawall	20		2.00	1.90					
NC_AGE999407_OS	NC_AGE999407	NC_CHC98325	Irregular	Seawall	20		2.00	1.90					
NC_AGE999408_OS	NC_AGE999408	NC_CHC98330	Irregular	Seawall	20		2.00	1.90					
NC_AGE999409_OS	NC_AGE999409	NC_CHC98331	Irregular	Seawall	20		2.00	1.90					
NC_AGE999410_OS	NC_AGE999410	NC_CHC98331	Irregular	Seawall	20		2.50	2.40					
NC_AGE999411_OS	NC_AGE999411	NC_CHC98332	Irregular	Seawall	20		2.00	1.90					
NC_AGE999412_OS	NC_AGE999412	NC_CHC98332	Irregular	Seawall	20		3.40	3.30					
NC_AGE999413_OS	NC_AGE999413	NC_CHC98333	Irregular	Seawall	20		3.00	2.90					
NC_AGE999414_OS	NC_AGE999414	NC_CHC98336	Irregular	Seawall	20		3.00	2.90					
NC_AGE999415_OS	NC_AGE999415	NC_CHC98336	Irregular	Seawall	20		3.00	2.90					
NC_AGE999417_OS	NC_AGE999417	NC_CHC98335	Irregular	Seawall	20		3.20	3.10					
NC_AGE999418_OS	NC_AGE999418	NC_CHC98336	Irregular	Seawall	20		2.60	2.50					
NC_AGE999435_OS	NC_AGE999435	NC_CHC98331	Irregular	Seawall	20		4.30	4.20					
NC_AGE999437_OS	NC_AGE999437	NC_CHC98339	Irregular	Seawall	20		3.00	2.90					
NC_AGE999448_OS	NC_AGE999448	NC_CHC98333	Irregular	Seawall	20		2.00	1.90					
NC_DS005056_OS	NC_DS005056	NC_CHC98334	Irregular	Seawall	20		2.60	2.50					
NC_DS005107_OS	NC_DS005107	NC_CHC98338	Irregular	Seawall	20		3.30	3.20					
OH_AGE999433_OS	OH_AGE999433	OH_CHC98324	Irregular	Seawall	20		2.50	2.40					
AL_AGE999489SW	AL_AGE999489	AL_AGE999850	Irregular	Swale	210		2.00	1.98					
AL_AGE999800SW	AL_AGE999800	AL_AGE999815	Irregular	Swale	264		2.05	2.00					
AL_AGE999801SW	AL_AGE999801	AL_DO000656	Irregular	Swale	152		2.12	2.07					
AL_AGE999805SW	AL_AGE999805	AL_AGE999806	Irregular	Swale	908		2.05	1.95					
AL_AGE999807SW	AL_AGE999808	AL_AGE999807	Irregular	Swale	244		2.51	2.49					
AL_AGE999810SW	AL_AGE999810	AL_AGE999809	Irregular	Swale	291		2.30	2.10					
AL_AGE999813SW	AL_AGE999813	AL_AGE999812	Irregular	Swale	1,424		2.55	2.45					
AL_AGE999814SW	AL_AGE999814	AL_AGE999821	Irregular	Swale	603		2.40	2.35					
AL_AGE999815SW	AL_AGE999815	AL_DS003433	Irregular	Swale	155		2.30	2.20					
AL_AGE999817SW	AL_AGE999817	AL_AGE999868	Irregular	Swale	299		1.85	1.80					
AL_AGE999818SW	AL_AGE999818	AL_AGE999819	Irregular	Swale	695		2.53	2.48					
AL_AGE999820SW	AL_AGE999820	AL_DO000566	Irregular	Swale	85		1.95	1.90					
AL_AGE999823SW	AL_AGE999823	AL_DS001118	Irregular	Swale	149		2.20	2.00					
AL_AGE999827SW	AL_AGE999827	AL_AGE999829	Irregular	Swale	291		1.55	1.50					
AL_AGE999828SW	AL_AGE999828	AL_AGE999826	Irregular	Swale	204		2.20	2.15					
AL_AGE999829SW	AL_AGE999829	AL_DS001134	Irregular	Swale	203		2.39	2.34					
AL_AGE999830SW	AL_AGE999830	AL_AGE999835	Irregular	Swale	546		2.00	1.60					
AL_AGE999831SW	AL_AGE999831	AL_AGE999830	Irregular	Swale	126		2.13	2.08					
AL_AGE999835SW	AL_AGE999835	AL_AGE999834	Irregular	Swale	51		1.60	1.52					
AL_AGE999838SW	AL_AGE999838	AL_AGE999899	Irregular	Swale	321		2.10	2.07					
AL_AGE999838SW	AL_AGE999899	AL_AGE999837	Irregular	Swale	212		2.07	2.05					
AL_AGE999839SW	AL_AGE999839	AL_DO000564	Irregular	Swale	288		1.85	1.80					
AL_AGE999841SW	AL_AGE999841	AL_AGE999844	Irregular	Swale	172		2.50	2.45					
AL_AGE999842SW	AL_AGE999842	AL_AGE999843	Irregular	Swale	258		1.93	1.90					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
AL_AGE999842SW	AL_AGE999843	AL_AGE999841	Irregular	Swale	310		1.90	1.88					
AL_AGE999846SW	AL_AGE999846	AL_AGE999847	Irregular	Swale	435		2.03	1.98					
AL_AGE999848SW	AL_AGE999848	AL_AGE999849	Irregular	Swale	172		2.03	2.00					
AL_AGE999851SW	AL_AGE999851	AL_AGE999809	Irregular	Swale	284		2.30	2.10					
AL_AGE999853SW	AL_AGE999853	AL_AGE999852	Irregular	Swale	147		2.05	2.00					
AL_AGE999854SW	AL_AGE999854	AL_AGE999852	Irregular	Swale	498		2.05	2.00					
AL_AGE999856SW	AL_AGE999856	AL_AGE999855	Irregular	Swale	286		2.03	1.98					
AL_AGE999857SW	AL_AGE999857	AL_AGE999859	Irregular	Swale	266		2.00	1.95					
AL_AGE999858SW	AL_AGE999858	AL_AGE999857	Irregular	Swale	209		2.05	2.00					
AL_AGE999860SW	AL_AGE999860	AL_AGE999861	Irregular	Swale	510		2.50	2.45					
AL_AGE999863SW	AL_AGE999863	AL_AGE999864	Irregular	Swale	556		2.10	2.00					
AL_AGE999868SW	AL_AGE999868	AL_AGE999816	Irregular	Swale	142		1.80	1.75					
AL_AGE999879SW	AL_AGE999879	AL_AGE999958	Irregular	Swale	170		2.00	1.90					
AL_AGE999956D_1	AL_DS001845	AL-AGE999957	Irregular	Swale	370		2.30	2.15					
AL_AGE999956D_2	AL-AGE999957	AL_AGE999956	Irregular	Swale	243		2.15	2.00					
AL_AGE999958SW	AL_AGE999958	AL_AGE999866	Irregular	Swale	692		1.90	1.85					
AL_AGE999960SW	AL_AGE999960	AL_DS007371	Irregular	Swale	80		3.30	3.29					
AL_AGE999978SW	AL_AGE999978	AL_AGE999800	Irregular	Swale	142		2.00	1.73					
AL_AGE999988SW	AL_AGE999988	AL_DO000771	Irregular	Swale	290		2.05	1.95					
AL_AGE999989SW	AL_AGE999989	AL_DO000772	Irregular	Swale	61		1.85	1.84					
AL_DO000564SW	AL_DO000564	AL_AGE999840	Irregular	Swale	251		1.80	1.75					
AL_DO000621SW	AL_DO000621	AL_AGE999832	Irregular	Swale	28		2.00	1.95					
AL_DO000622SW	AL_DO000622	AL_AGE999833	Irregular	Swale	233		2.03	1.98					
AL_DO000657SW	AL_DO000657	AL_AGE999802	Irregular	Swale	26		2.02	1.97					
AL_DO000771SW	AL_DO000771	AL_AGE999989	Irregular	Swale	466		1.95	1.85					
AL_DO000784SW	AL_DO000784	AL_AGE999825	Irregular	Swale	73		2.00	1.95					
AL_DO000785SW	AL_DO000785	AL_AGE999821	Irregular	Swale	85		1.95	1.90					
AL_DO000787SW	AL_DO000787	AL_DO000786	Irregular	Swale	418		1.95	1.90					
AL_DO000792SW	AL_DO000792	AL_DO000790	Irregular	Swale	172		2.40	2.30					
AL_DO000793SW	AL_DO000793	AL_DO000788	Irregular	Swale	207		1.95	1.92					
AL_DS001042SW	AL_DS001042	AL_DS001035	Irregular	Swale	375		1.60	1.55					
AL_DS001101SW	AL_AGE999807	AL_AGE999805	Irregular	Swale	519		2.31	2.29					
AL_DS001117SW	AL_DS001117	AL_DO000623	Irregular	Swale	293		2.03	1.98					
AL_DS001127SW	AL_DS001127	AL_AGE999822	Irregular	Swale	166		2.50	2.45					
AL_DS001859SW	AL_DS001859	AL_AGE999960	Irregular	Swale	56		3.24	3.19					
AL_DS001860SW	AL_AGE999862	AL_DS008907	Irregular	Swale	456		2.60	2.10					
AL_DS001935SW	AL_AGE999822	AL_DS007422	Irregular	Swale	142		2.30	1.90					
AL_DS001936SW	AL_DS001936	AL_AGE999824	Irregular	Swale	427		2.00	1.95					
AL_DS003385SW	AL_AGE999834	AL_DS003385	Irregular	Swale	460		1.52	1.47					
AL_DS003386SW	AL_DS003386	AL_DS003385	Irregular	Swale	294		1.65	1.60					
AL_DS003419SW	AL_AGE999804	AL_AGE999803	Irregular	Swale	748		2.05	2.00					
AL_DS008341SW	AL_DS008341	AL_AGE999876	Irregular	Swale	176		1.95	1.85					
AL_DS008907SW	AL_DS008907	AL_AGE999864	Irregular	Swale	84		2.10	2.00					
AL_DS009380SW	AL_DS009380	AL_AGE999866	Irregular	Swale	327		1.71	1.66					

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
EH_AGE999608SW	EH_AGE999608	EH_DS001187	Irregular	Swale	650		4.50	2.00					
EH_AGE999653SW	EH_AGE999653	EH_CC10998440	Irregular	Swale	1,974		3.60	2.40					
EH_AGE999659SW	EH_AGE999659	EH_AGE999638	Irregular	Swale	1,800		4.20	2.50					
EH_AGE999660SW	EH_AGE999660	EH_AGE999638	Irregular	Swale	1,000		3.20	2.00					
EH_AGE999663SW	EH_AGE999663	EH_AGE999664	Irregular	Swale	1,100		4.00	2.80					
EH_AGE999664SW	EH_AGE999664	EH_DS004139	Irregular	Swale	310		2.80	2.60					
EH_AGE999666SW	EH_AGE999666	EH_AGE999640	Irregular	Swale	300		2.80	3.30					
EH_AGE999667SW	EH_AGE999667	EH_DS003489	Irregular	Swale	750		4.50	2.20					
EH_DO000611SW	EH_DO000611	EH_DS001187	Irregular	Swale	800		3.20	1.60					
EH_DO000699SW	EH_DO000699	EH_AGE999666	Irregular	Swale	700		4.20	2.70					
EH_DS000079SW	EH_DS000079	EH_DS000078	Irregular	Swale	210		4.60	4.90					
EH_DS001084SW	EH_DS001084	EH_DS001083	Irregular	Swale	220		2.40	3.20					
EH_DS004133SW	EH_DS004133	EH_AGE999651	Irregular	Swale	800		3.60	2.40					
HG_AGE999440SW	HG_AGE999440	HG_DO000318	Irregular	Swale	500		1.60	1.80					
HG_AGE999443SW	HG_AGE999443	HG_DO000290	Irregular	Swale	250		2.60	3.80					
HG_AGE999444SW	HG_AGE999444	HG_AGE999445	Irregular	Swale	180		4.50	3.60					
HG_DO000290SW	HG_DO000290	HG_NID11044	Irregular	Swale	100		3.00	2.20					
HG_DO000318SW	HG_DO000318	HG_DO000351	Irregular	Swale	650		1.60	2.00					
HG_DO000323SW	HG_DO000323	HG_AGE999440	Irregular	Swale	600		2.20	1.60					
HG_DO000461SW	HG_DO000461	PKE_DO000457	Irregular	Swale	575		1.30	1.40					
HG_DO000462SW	HG_DO000462	HG_DO000461	Irregular	Swale	280		1.40	1.30					
HG_DO000463SW	HG_DO000463	HG_DO000462	Irregular	Swale	600		1.50	1.40					
HG_DO000464SW	HG_DO000464	HG_DO000463	Irregular	Swale	300		3.00	1.50					
HG_NID11044SW	HG_NID11044	HG_NID11042	Irregular	Swale	440		2.20	3.50					
NC_DO000174SW	NC_DO000174	NC_DO000155	Irregular	Swale	1,050		1.50	3.00					
NC_DO000190SW1	NC_DO000190	NC_AGE999449	Irregular	Swale	305		3.00	0.50					
NC_DO000190SW1	NC_AGE999449	NC_DO000088	Irregular	Swale	395		0.50	1.00					
NC_DO000190SW2	NC_DO000190	NC_DO000174	Irregular	Swale	525		3.00	1.50					
NC_DO000547SW	NC_DO000547	NC_NID11036	Irregular	Swale	580		0.00	0.50					
OH_AGE999452SW	OH_AGE999452	OH_DS003495	Irregular	Swale	900		2.50	1.50					
OH_AGE999453SW	OH_AGE999453	OH_AGE999454	Irregular	Swale	165		5.00	4.60					
OH_AGE999453SW	OH_AGE999454	OH_DS006809	Irregular	Swale	170		4.60	4.20					
OH_AGE999456SW	OH_AGE999456	OH_AGE999457	Irregular	Swale	150		1.95	1.40					
OH_AGE999458SW	OH_AGE999458	OH_DO000740	Irregular	Swale	700		6.00	2.00					
OH_DO000135SW	OH_DO000135	OH_AGE999637	Irregular	Swale	650		3.00	1.50					
OH_DO000661SW	OH_DO000661	OH_DO000694	Irregular	Swale	450		5.70	1.50					
OH_DO000739SW	OH_DO000739	OH_AGE999456	Irregular	Swale	750		2.20	1.20					
OH_DS006765SW	OH_DS006765	OH_AGE999452	Irregular	Swale	500		5.50	2.50					
OH_DS006803SW	OH_DS006803	OH_AGE999453	Irregular	Swale	235		4.40	5.00					
BC_AGE999940	BC_AGE999940	AL_CDCO98247	Rectangular Box	Culvert	131	0.013	-4.00	-4.10	4.00	4.00	1	0.5	1.0
BC_AGE999997	BC_AGE999997	BC_SFNR_OF1	Rectangular Box	Culvert	257	0.013	-6.00	-6.10	8.00	12.00	1	0.5	1.0
BC_NID999999	BC_NID999999	BC_CBDD_O5	Rectangular Box	Culvert	213	0.013	-0.30	-0.50	4.00	4.00	1	0.3	0.2
HG_DO000351_O	HG_DO000351	HG_DO000551	Trapezoidal	Overflow	20	0.020	5.50	5.40	2.00	2.00	1	0.0	0.0
HG_DS001594_O2	HG_DS001594	HG_DS004293	Trapezoidal	Overflow	20	0.020	7.50	7.40	2.00	2.00	1	0.0	0.0

Table HC-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS004293_O	HG_DS004293	HG_DS004774	Trapezoidal	Overflow	20	0.013	7.50	7.40	2.00	2.00	1	0.0	0.0
NC_DS005893_O	NC_DS005893	NC_DS005633	Trapezoidal	Overflow	20	0.015	8.75	8.70	2.00	2.00	1	0.0	0.0

Table HC-4 Model Pump Data

Name	Upstream Node	Downstream Node	Startup Elevation (Feet NAVD)	Shutoff Elevation (Feet NAVD)	Max_CFS
BC_PS000011_1	BC_PS000011	BC_PS000011DS	1.4	0.4	40.1
BC_PS000011_2	BC_PS000011	BC_PS000011DS	1.9	0.9	40.1
BC_PS000011_3	BC_PS000011	BC_PS000011DS	2.4	1.1	40.1
BC_PS000011_4	BC_PS000011	BC_PS000011DS	2.9	1.9	0.0
HG_PS000005LD	HG_PS000005	HG_PS000005DS	-0.1	-1.0	0.9
HG_PS000005LG	HG_PS000005	HG_PS000005DS	2.2	-1.0	0.9
NC_PS000003	NC_PS000003	NC_VCD000071	1.4	0.9	29.0
PKE_PS000004LD	PKE_PS000004	PKE_CHC98351	0.3	0.0	40.1
PKE_PS000004LG	PKE_PS000004	PKE_CHC98351	0.5	0.0	40.1

Table HC-5 Model Weir Data

Name	Upstream Node	Downstream Node	Type	Length (ft)	Coefficient	Height (ft)	Invert (ft NAVD)
BC_AGE999792W1	BC_AGE999792	BC_CDCO98230	Transverse	2.0	3.1	10.0	0.0
BC_AGE999792W2	BC_AGE999792	BC_CDCO98230	Transverse	150.0	3.1	10.0	2.5
EH_CS22Gate	EH_CC10998430	EH_CS22GateDS	Transverse	16.5	3.1	6.5	1.2
HG_DO000758W	HG_DO000758	HG_DO000759	Transverse	16.0	3.1	10.0	5.5
HH_DS006904W	HH_DS006904	HH_DS006904W	Transverse	10.0	3.1	3.0	6.0
LB_DMH000925W	LB_DMH000925	LB_DMH000925DS	Transverse	5.0	3.1	10.0	3.5
LB_NID10054W	LB_NID10054	LB_NID10054DS	Transverse	4.0	3.1	10.0	3.5
OH_DO000672W	OH_DO000672	OH_CHC98316	Transverse	12.0	3.1	10.0	4.0
OH_DO000673W	OH_DO000673	OH_CHC98314	Transverse	12.0	3.1	10.0	4.0
OH_DO000692W	OH_DO000692	OH_CHC98315	Transverse	12.0	3.1	10.0	4.0
OH_DO000693W	OH_DO000693	OH_CHC98317	Transverse	12.0	3.1	10.0	4.0
OH_DS006238W	OH_DS006238	OH_DO000135	Transverse	8.0	3.1	10.0	3.0
OH_DS006859W	OH_DS006859	OH_CC10998402	Transverse	12.0	3.1	10.0	4.0
OH_DS008015W	OH_DS008015	OH_DS008015DS	Transverse	12.0	3.1	10.0	4.0
PKE_COB98394W	PKE_COB98394	PKE_COB98393	Transverse	25.0	3.1	10.0	2.2
PKE_NID11026W	PKE_NID11026	PKE_DO000467	Transverse	25.0	3.1	10.0	1.5
PKE_NID12996W	PKE_NID12996	PKE_COB98398	Transverse	30.0	3.1	10.0	3.0
PKE_PS000004W	PKE_PS000004	PKE_CHC98351	Transverse	55.0	3.1	10.0	2.5

Table HC-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HU441_AGE999599	95	0
HU441_DS000317	1401	0
HU441_DS002519	61	0
HU441_DS002529	273	0
HU441_DS007396	89	0
HU441_DS007784	1587	0
HU441_DS007935	212	0
HU441_DS008007	71	0
HU441_DS008684	203	0
HU441_DS008687	1462	0
HU441_DS010222	50	0
HUEH_DS000036	163	0
HUEH_DS001088	235	0
HUEH_DS002432	115	0
HUEH_DS003532	256	0
HUEH_DS003659	25	0
HUEH_DS004036	226	0
HUEH_DS004056	186	0
HUEH_DS004059	43	0
HUEH_DS004084	128	0
HUEH_DS004099	50	0
HUEH_DS004132	22	0
HUEH_DS004850	28	0
HUEH_DS004873	163	0
HUEH_DS004883	95	0
HUEH_DS004886	217	0
HUEH_DS005306	41	0
HUEH_DS005337	150	0
HUEH_DS005374	519	0
HUEH_DS005397	1251	0
HUEH_DS005431	95	0
HUEH_DS006102	93	0
HUEH_DS009254	125	0
HUHWG_AGE999599	104	0
HUHH_AGE999569	123	0
HUHH_AGE999584	64	0
HUHH_AGE999654	127	0
HUHH_DS004900	166	0
HUHH_DS006130	197	0
HUHH_DS006131	374	0
HUHH_DS006143	57	0
HUHH_DS006146	103	0
HUHH_DS006147	206	0
HUHH_DS006193	204	0
HUHH_DS006197	225	0

Table HC-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HUHH_DS006198	105	0
HUHH_DS006553	85	0
HUHH_DS008219	359	0
HUHH_DS008221	136	0
HUHH_DS008223	150	0
HUHH_DS008481	925	0
HUHH_DS008778	138	0
HUHH_DS009775	400	0
HULE_DS001912	80	0
HULEH_DS004130	436	0
HULEH_DS005384	61	0
HULEH_DS006798	93	0
HULEH_DS007854	285	0
HULEH_DS009231	801	0
HUOH_DO000149	684	0
HUOH_DS007849	907	0
HUPKE_DS001003	577	0
HUPKE_DS006311	577	0
HUPKE_DS006323	43	0
HUPKE_DS007865	906	0
HUPKE_DS007872	259	0
HUPL_AGE999609	20	0
HUPL_DS004168	94	0
HUSC_AGE999628	909	0

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUBC_AGE999075	BC_AGE999075	29.29	711	0.4	63.2	0.25	11.00	0.17	0.23
HUBC_AGE999076	BC_AGE999076	22.68	850	0.7	65.7	0.25	9.50	0.30	0.25
HUBC_AGE999077	BC_AGE999077	17.89	523	0.2	49.4	0.25	11.80	0.13	0.22
HUBC_AGE999078	BC_AGE999078	25.80	656	0.6	46.5	0.29	9.90	0.26	0.24
HUBC_AGE999080	BC_AGE999080	6.21	901	0.4	62.2	0.29	11.40	0.15	0.22
HUBC_AGE999085	BC_AGE999085	112.67	1317	0.1	64.7	0.25	6.30	0.97	0.29
HUBC_AGE999090	BC_AGE999090	61.13	1897	0.1	64.4	0.25	4.90	1.61	0.30
HUBC_AGE999091	BC_AGE999091	9.22	335	0.2	64.1	0.25	4.90	1.62	0.30
HUBC_AGE999094	BC_AGE999094	29.94	1112	0.2	39.3	0.27	2.50	3.91	0.33
HUBC_AGE999095	BC_AGE999095	52.90	1120	0.1	61.8	0.25	5.00	1.56	0.30
HUBC_AGE999096	BC_AGE999096	14.98	334	0.1	60.9	0.25	2.00	4.68	0.34
HUBC_AGE999097	BC_AGE999097	59.66	1268	0.1	57.9	0.25	4.00	2.22	0.31
HUBC_AGE999098	BC_AGE999098	14.84	663	0.4	43.7	0.25	2.00	4.70	0.34
HUBC_AGE999099	BC_AGE999099	209.08	2082	0.2	55.1	0.25	2.90	3.42	0.33
HUBC_AGE999100	BC_AGE999100	15.06	867	0.7	52.1	0.25	10.50	0.21	0.23
HUBC_AGE999101	BC_AGE999101	19.66	764	0.1	54.5	0.25	9.00	0.36	0.25
HUBC_AGE999102	BC_AGE999102	118.51	1786	0.2	54.9	0.25	3.60	2.59	0.32
HUBC_AGE999103	BC_AGE999103	39.35	1187	0.2	60.1	0.25	11.70	0.13	0.22
HUBC_AGE999104	BC_AGE999104	14.38	563	0.3	54.3	0.25	11.80	0.13	0.22
HUBC_AGE999105	BC_AGE999105	25.42	893	0.3	68.5	0.25	12.10	0.12	0.22
HUBC_AGE999127	BC_NID10043	13.06	228	0.1	57.7	0.25	11.30	0.16	0.22
HUBC_CDW98905	BC_CDW98905	28.23	13665	2.3	77.6	0.25	10.60	0.20	0.23
HUBC_CICW98058	BC_CICW98058	19.35	16861	8.0	88.7	0.25	10.60	0.20	0.23
HUBC_DS001828	BC_DS001828	36.51	761	0.3	57.8		3.00	3.28	0.33
HUBC_DS002651	BC_DS002651	10.91	369	0.6	71.2	0.40	2.50	3.88	0.33
HUBC_DS004561	BC_NID12410	8.97	621	1.8	82.6	0.25	10.20	0.23	0.24
HUBC_DS005469	BC_DS005469	4.87	366	0.6	57.3	0.25	2.60	3.82	0.33
HUBC_DS005476	BC_DS005476	11.73	376	0.1	51.9	0.25	2.00	4.70	0.34
HUBC_DS005978	BC_DS005978	4.95	320	0.3		0.25	3.10	3.12	0.33
HUBC_DS005989	BC_DS005989	8.00	536	0.2	57.9	0.25	5.60	1.24	0.29
HUBC_DS007184	BC_DS007184	2.13	250	0.2	84.0	0.25	8.80	0.39	0.26
HUBC_DS007297	BC_DS007301	5.31	439	3.2	87.9	0.25	12.50	0.10	0.21
HUBC_NID09849	BC_NID09849	6.78	347	0.2	56.4	0.25	7.30	0.67	0.27
HUHA_NE04C071	HA_NE04C071	10.29	423	0.2	72.4	0.25	12.50	0.10	0.21
HUHA_NE04C102	HA_NE04C102	18.47	561	0.2	59.6	0.25	11.10	0.17	0.23
HUHA_NE04C122	HA_NE04C122	9.82	376	0.1	53.9	0.26	12.30	0.11	0.21
HUHA_NE04C128	HA_NE04C128	3.45	353	0.8	52.2	0.25	2.30	4.15	0.34
HUHA_NE28C053	HA_NE28C053	9.85	536	0.4	56.9	0.25	11.30	0.16	0.22
HUHA_NE28C058	HA_NE28C058	6.38	585	0.5	44.6	0.27	6.20	1.03	0.29
HUHA_NID125	HA_NID125	48.54	1080	0.2	80.3	0.25	12.50	0.10	0.21
HUHA_NID132	HA_NID132	54.60	1200	0.2	63.1	0.26	12.30	0.29	0.21
HUHG_AGE999031	HG_AGE999031	2.20	74	0.2	70.5	0.25	12.50	0.10	0.21
HUHG_AGE999032	HG_AGE999032	1.29	215	0.4	58.4	0.25	2.00	4.70	0.34
HUHG_AGE999038	HG_AGE999038	6.57	114	0.2	58.3	0.25	10.20	0.23	0.24
HUHG_AGE999039	HG_AGE999039	5.60	375	0.3	53.4	0.25	2.00	4.70	0.34
HUHG_AGE999042	HG_AGE999042	7.78	367	0.2	43.5	0.25	2.00	4.70	0.34
HUHG_AGE999048	HG_AGE999048	4.50	202	0.4	40.9	0.25	2.00	4.70	0.34
HUHG_AGE999052	HG_AGE999052	9.66	601	0.3	46.5	0.25	2.00	4.70	0.34
HUHG_DS000515	HG_DS000515	11.06	412	0.2	72.1	0.25	11.00	0.17	0.23
HUHG_DS000567	HG_DS000567	9.87	263	0.6	44.7	0.25	2.00	4.70	0.34
HUHG_DS001539	HG_DS001539	8.17	429	0.2	85.0	0.25	12.50	0.10	0.21
HUHG_DS001572	HG_DS001572	4.80	214	0.1	52.0	0.25	4.60	1.82	0.31
HUHG_DS001578	HG_DS001578	8.90	335	0.3	55.2	0.25	4.00	2.25	0.32
HUHG_DS001581	HG_DS001581	5.93	287	0.4	37.2	0.25	2.00	4.70	0.34
HUHG_DS001599	HG_DS001599	8.83	986	0.6	60.8	0.25	5.30	1.41	0.30
HUHG_DS001612	HG_DS001612	9.11	496	0.3	49.7	0.25	3.10	3.12	0.33
HUHG_DS001613	HG_DS001613	6.66	260	0.2	55.7	0.25	2.00	4.70	0.34
HUHG_DS001634	HG_DS001634	4.80	250	0.2	73.1	0.25	5.70	1.22	0.29
HUHG_DS001708	HG_DS001708	22.15	563	0.3	60.4	0.25	3.80	2.45	0.32
HUHG_DS001826	HG_DS001826	3.18	63	0.1	70.8	0.25	12.50	0.10	0.21
HUHG_DS001829	HG_DS001829	3.82	214	0.5	83.7	0.25	2.00	4.70	0.34
HUHG_DS001834	HG_DS001834	13.89	587	0.2	45.3	0.25	2.00	4.70	0.34

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHG_DS003342	HG_DS003342	7.68	382	0.2	79.4	0.25	12.50	0.10	0.21
HUHG_DS003687	HG_DS003687	2.66	198	0.2	50.4	0.25	2.00	4.70	0.34
HUHG_DS003851	HG_DS003851	31.54	847	0.1	62.2	0.25	2.50	3.96	0.33
HUHG_DS003861	HG_DS003861	9.41	302	0.2	35.8	0.25	2.00	4.70	0.34
HUHG_DS003965	HG_DS003965	2.34	292	0.7	91.9	0.25	10.60	0.20	0.23
HUHG_DS004290	HG_DS004290	12.11	377	0.3	52.9	0.25	2.00	4.70	0.34
HUHG_DS004441	HG_DS004441	2.34	136	0.5	75.3	0.25	12.50	0.10	0.21
HUHG_DS004470	HG_DS004470	12.05	492	0.3	43.9	0.25	2.00	4.70	0.34
HUHG_DS004513	HG_DS004513	8.57	461	0.6	48.3	0.25	2.00	4.70	0.34
HUHG_DS004514	HG_DS004514	5.19	245	0.6	51.2	0.25	2.00	4.70	0.34
HUHG_DS004515	HG_DS004515	3.42	279	0.2	46.8	0.25	2.00	4.70	0.34
HUHG_DS004537	HG_DS004537	4.80	294	0.2	45.1	0.25	2.00	4.70	0.34
HUHG_DS004539	HG_DS004539	3.10	278	0.2	54.1	0.25	2.00	4.70	0.34
HUHG_DS004544	HG_DS004544	2.94	284	0.4	48.5	0.25	2.00	4.70	0.34
HUHG_DS004634	HG_DS004634	2.72	191	0.2	76.6	0.25	12.50	0.10	0.21
HUHG_DS004766	HG_DS004766	12.49	378	0.1	80.7	0.25	9.90	0.26	0.24
HUHG_DS005659	HG_DS005659	7.92	373	0.2	33.2	0.25	2.00	4.70	0.34
HUHG_DS005825	HG_DS005825	10.21	650	0.2	55.0	0.25	2.00	4.70	0.34
HUHG_DS005887	HG_DS005887	14.29	436	0.2	47.4	0.25	2.00	4.62	0.34
HUHG_DS007508	HG_DS007508	9.80	570	0.2	60.2	0.25	2.00	4.64	0.34
HUHG_DS008140	HG_DS008140	9.34	465	0.3	52.1	0.25	2.00	4.70	0.34
HUHG_DS008833	HG_DS008833	9.92	298	0.1	68.7	0.25	3.60	2.60	0.32
HUHG_DS009059	HG_DS009059	4.34	354	0.3	50.5	0.25	2.00	4.70	0.34
HUHG_DS009064	HG_DS009064	15.94	445	0.2	30.9	0.25	2.00	4.70	0.34
HUHG_DS009353	HG_DS009353	12.03	373	0.2	72.6	0.25	5.90	1.12	0.29
HUHL_AGE999001	HL_AGE999001	2.06	700	2.0	39.6	0.25	2.00	4.70	0.34
HUHL_AGE999002	HL_AGE999002	3.35	1200	2.0	21.2	0.25	2.00	4.70	0.34
HUHL_AGE999003	HL_AGE999003	0.92	400	2.0	44.9	0.25	2.00	4.70	0.34
HUHL_AGE999004	HL_AGE999004	1.15	300	1.5	35.1	0.25	2.80	3.54	0.33
HUHL_AGE999006	HL_AGE999006	1.66	1300	2.0	49.5	0.25	2.80	3.45	0.33
HUHL_AGE999007	HL_AGE999007	0.94	630	2.0	67.3	0.25	2.20	4.36	0.34
HUHL_AGE999008	HL_AGE999008	2.20	1260	2.0	64.7	0.25	2.50	3.95	0.33
HUHL_AGE999009	HL_AGE999009	2.44	1200	2.0	56.1	0.25	2.00	4.70	0.34
HUHL_AGE999012	HL_AGE999012	7.98	6321	4.5	70.7	0.29	11.50	0.15	0.22
HUHL_AGE999022	HL_AGE999022	6.34	596	1.0	58.5	0.30	12.50	0.10	0.21
HUHL_AGE999027	HL_AGE999027	3.20	254	0.7	86.4	0.25	12.20	0.11	0.21
HUHL_AGE999028	HL_AGE999028	9.86	875	0.8	71.2	0.25	8.10	0.49	0.26
HUHL_AGE999033	HL_AGE999033	7.23	295	0.3	66.7	0.25	7.40	0.65	0.27
HUHL_AGE999034	HL_AGE999034	5.15	350	0.1	46.0	0.25	12.50	0.10	0.21
HUHL_AGE999036	HL_AGE999036	4.46	239	0.3	71.0	0.25	12.50	0.10	0.21
HUHL_AGE999037	HL_AGE999037	3.94	254	0.2	47.9	0.25	12.50	0.10	0.21
HUHL_AGE999046	HL_AGE999046	12.80	369	0.2	51.9	0.25	12.50	0.10	0.21
HUHL_AGE999047	HL_AGE999047	16.08	500	0.2	57.2	0.25	12.50	0.10	0.21
HUHL_AGE999049	HL_AGE999049	4.00	233	0.3	59.2	0.25	12.50	0.10	0.21
HUHL_AGE999053	HL_AGE999053	5.36	359	0.4	40.8	0.25	12.50	0.10	0.21
HUHL_AGE999062	HL_AGE999062	7.12	376	0.2	41.8	0.25	12.20	0.11	0.21
HUHL_AGE999065	HL_AGE999065	11.25	452	0.3	40.7	0.25	8.90	0.37	0.25
HUHL_AGE999067	HL_AGE999067	5.27	283	0.2	47.4	0.25	12.50	0.10	0.21
HUHL_AGE999068	HL_AGE999068	4.59	363	0.3	35.0	0.25	2.50	3.85	0.33
HUHL_AGE999069	HL_AGE999069	9.74	500	0.1	40.7	0.25	12.20	0.11	0.21
HUHL_AGE999070	HL_AGE999070	6.84	318	0.2	39.4	0.25	12.50	0.10	0.21
HUHL_AGE999071	HL_AGE999071	10.03	324	0.2	44.3	0.33	12.50	0.10	0.21
HUHL_AGE999072	HL_AGE999072	7.73	358	0.2	46.7	0.25	12.50	0.10	0.21
HUHL_AGE999073	HL_AGE999073	30.83	3837	1.1	58.8	0.28	7.00	0.74	0.28
HUHL_AGE999074	HL_AGE999074	8.49	448	0.2	47.2	0.25	12.50	0.10	0.21
HUHL_AGE999109	HL_AGE999109	1.70	1500	2.0	34.0	0.36	7.90	0.55	0.27
HUHL_AGE999113	HL_AGE999113	13.68	604	0.4	17.6	0.30	4.50	1.90	0.31
HUHL_CDW98910	HL_CDW98910	11.01	13705	8.6	74.8	0.28	9.70	0.28	0.25
HUHL_CDW98915	HL_CDW98915	32.04	17109	2.0	78.9	0.25	9.10	0.35	0.25
HUHL_CICW98040	HL_CICW98040	180.05	82643	2.0	95.0	0.31	11.20	0.16	0.23
HUHL_CICW98050	HL_CICW98050	182.81	86558	2.0	95.5	0.25	11.10	0.17	0.23
HUHL_CWL98100	HL_CWL98100	330.57	116000	1.2	93.3	0.32	10.80	0.18	0.23

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHL_DMH000230	HL_DMH000230	6.12	441	0.3	49.2	0.25	2.00	4.70	0.34
HUHL_DMH000235	HL_DMH000235	6.04	384	0.1	48.7	0.25	2.90	3.35	0.33
HUHL_DMH000237	HL_DMH000237	7.38	677	0.4	51.7	0.25	2.00	4.70	0.34
HUHL_DMH000239	HL_DMH000239	4.69	315	0.3	83.0	0.25	12.00	0.12	0.22
HUHL_DMH000267	HL_DMH000267	3.09	186	0.3	60.8	0.25	2.00	4.70	0.34
HUHL_DMH000307	HL_DMH000307	4.86	400	0.5	52.8	0.25	2.00	4.70	0.34
HUHL_DMH000315	HL_DMH000315	2.81	246	0.3	56.6	0.25	2.00	4.70	0.34
HUHL_DMH000402	HL_DMH000402	1.20	200	0.4	71.0	0.25	3.40	2.80	0.32
HUHL_DMH000443	HL_DMH000443	7.97	457	0.2	87.0	0.25	12.50	0.10	0.21
HUHL_DMH000536	HL_DMH000536	1.10	99	0.7	90.0	0.25	7.90	0.54	0.27
HUHL_DMH000837	HL_DMH000837	2.55	201	0.4	45.6	0.25	2.00	4.70	0.34
HUHL_DMH000850	HL_DMH000850	6.57	246	0.2	39.9	0.25	2.00	4.70	0.34
HUHL_DMH000852	HL_DMH000852	8.67	273	0.2	42.3	0.25	5.90	1.14	0.29
HUHL_DMH000860	HL_DMH000860	5.79	456	0.1	46.5	0.25	2.00	4.70	0.34
HUHL_DMH000885	HL_DMH000885	8.10	1006	0.8	79.2	0.25	2.00	4.70	0.34
HUHL_DMH000930	HL_DMH000930	8.40	694	0.5	64.4	0.25	2.00	4.70	0.34
HUHL_DMH001431	HL_DMH001431	9.26	509	0.3	61.3	0.25	12.50	0.10	0.21
HUHL_DMH001441	HL_DMH001441	13.45	567	0.3	41.8	0.25	8.20	0.49	0.26
HUHL_DMH001445	HL_DMH001445	7.13	502	0.2	36.9	0.25	2.00	4.70	0.34
HUHL_DMH001448	HL_DMH001448	5.41	315	0.2	43.5	0.25	2.00	4.70	0.34
HUHL_DMH001449	HL_DMH001449	3.31	406	0.3	41.6	0.25	2.00	4.70	0.34
HUHL_DMH001454	HL_DMH001454	7.67	581	0.4	47.5	0.25	2.00	4.70	0.34
HUHL_DMH001457	HL_DMH001457	4.04	241	0.3	51.3	0.25	2.00	4.70	0.34
HUHL_DMH001461	HL_DMH001461	4.74	484	0.5	56.0	0.25	2.10	4.54	0.34
HUHL_DMH001523	HL_DMH001523	8.67	412	0.2	73.0	0.25	12.50	0.10	0.21
HUHL_DMH001528	HL_DMH001528	4.50	331	0.4	45.5	0.25	2.00	4.70	0.34
HUHL_DMH001556	HL_DMH001556	11.94	495	0.2	37.7	0.25	2.00	4.70	0.34
HUHL_DMH001639	HL_DMH001639	1.18	430	0.4	70.5	0.25	12.50	0.10	0.21
HUHL_DMH001866	HL_DMH001866	14.35	431	0.2	43.6	0.25	12.50	0.10	0.21
HUHL_DMH001868	HL_DMH001868	10.20	398	0.2	41.7	0.25	8.10	0.51	0.26
HUHL_DMH002050	HL_DMH002050	3.40	258	0.2	53.6	0.25	2.00	4.70	0.34
HUHL_DO000232	HL_DO000232	64.10	1000	0.4	8.6	0.30	12.20	0.12	0.21
HUHL_DO000235	HL_DO000235	15.60	500	0.5	8.1	0.30	12.20	0.10	0.21
HUHL_DO000313	HL_DO000313	7.16	309	0.5	57.7	0.28	9.80	0.27	0.24
HUHL_DO000314	HL_DO000314	12.89	1200	0.9	57.0	0.29	12.40	0.10	0.21
HUHL_DO000316	HL_DO000316	3.02	624	0.6	74.3	0.30	12.50	0.10	0.21
HUHL_DO000381	HL_DO000381	6.09	2166	4.2	43.0	0.40	5.30	1.39	0.30
HUHL_DO000413	HL_DO000413	14.39	892	0.5	40.0	0.26	2.00	4.70	0.34
HUHL_DO000423	HL_DO000423	9.12	2271	3.0	12.0	0.30	2.00	4.70	0.34
HUHL_DO000424	HL_DO000424	9.84	329	0.2	19.6	0.30	2.00	4.70	0.34
HUHL_DO000473	HL_DO000473	5.25	3979	7.0	59.6	0.40	6.50	0.91	0.28
HUHL_DO000515	HL_DO000515	22.13	1677	0.5	48.9	0.25	4.50	1.87	0.31
HUHL_DO000539	HL_DO000539	13.39	7524	2.9	65.3	0.25	5.50	1.31	0.30
HUHL_DO000844	HL_DO000844	5.94	4491	6.1	54.1	0.25	11.90	0.12	0.22
HUHL_DO000846	HL_DO000846	7.13	5913	8.1	82.6	0.25	12.50	0.10	0.21
HUHL_DS000450	HL_DS000450	10.88	569	0.3	40.9	0.25	2.00	4.70	0.34
HUHL_DS000483	HL_DS000483	4.62	347	0.1	47.3	0.25	2.00	4.70	0.34
HUHL_DS000557	HL_DS000557	1.44	143	1.6	72.0	0.31	2.20	4.31	0.34
HUHL_DS000575	HL_DS000575	3.37	400	0.8	36.4	0.26	12.50	0.10	0.21
HUHL_DS000657	HL_DS000657	4.69	336	0.5	83.0	0.25	2.00	4.70	0.34
HUHL_DS000677	HL_DS000677	2.22	331	0.5	83.6	0.25	2.00	4.70	0.34
HUHL_DS000685	HL_DS000685	6.40	428	0.4	72.0	0.25	2.00	4.70	0.34
HUHL_DS000689	HL_DS000689	2.16	350	1.4	69.0	0.25	2.00	4.70	0.34
HUHL_DS000715	HL_DS000715	5.40	646	0.7	75.7	0.25	2.00	4.70	0.34
HUHL_DS001554	HL_DS001554	9.14	419	0.3	35.9	0.25	2.20	4.42	0.34
HUHL_DS001555	HL_DS001555	7.30	350	0.2	40.3	0.25	12.30	0.11	0.21
HUHL_DS001576	HL_DS001576	3.83	160	0.2	39.2	0.25	2.00	4.70	0.34
HUHL_DS001593	HL_DS001593	7.74	450	0.3	43.5	0.25	12.00	0.12	0.22
HUHL_DS001608	HL_DS001608	10.07	372	0.2	50.2	0.25	11.90	0.12	0.22
HUHL_DS001615	HL_DS001615	10.55	284	0.2	46.0	0.25	9.70	0.28	0.24
HUHL_DS001619	HL_DS001619	9.04	384	0.2	41.6	0.25	5.00	1.56	0.30
HUHL_DS001624	HL_DS001624	4.31	252	0.2	46.8	0.25	5.20	1.45	0.30

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHL_DS001628	HL_DS001628	9.38	284	0.2	30.3	0.25	2.20	4.44	0.34
HUHL_DS001721	HL_DS001721	2.29	241	0.9	50.7	0.25	2.00	4.70	0.34
HUHL_DS001732	HL_DS001732	4.71	405	0.4	46.6	0.30	2.10	4.57	0.34
HUHL_DS001736	HL_DS001736	8.58	629	0.4	68.7	0.25	2.00	4.70	0.34
HUHL_DS001745	HL_DS001745	2.66	318	1.8	36.2	0.31	2.20	4.32	0.34
HUHL_DS001748	HL_DS001748	6.33	374	0.3	57.2	0.25	2.00	4.70	0.34
HUHL_DS001771	HL_DS001771	5.55	323	0.3	43.3	0.25	2.00	4.70	0.34
HUHL_DS001778	HL_DS001778	8.27	602	1.5	59.8	0.25	2.00	4.70	0.34
HUHL_DS001780	HL_DS001780	3.58	360	0.2	56.9	0.25	2.00	4.70	0.34
HUHL_DS001793	HL_DS001793	6.20	372	1.6	61.1	0.25	2.30	4.19	0.34
HUHL_DS001799	HL_DS001799	10.36	672	0.3	45.5	0.28	2.00	4.70	0.34
HUHL_DS001801	HL_DS001801	6.58	280	0.2	50.7	0.25	12.50	0.10	0.21
HUHL_DS001833	HL_DS001833	0.81	116	1.1	56.5	0.25	2.00	4.70	0.34
HUHL_DS002448	HL_DS002448	7.27	365	0.4	45.0	0.25	3.40	2.86	0.32
HUHL_DS002453	HL_DS002453	7.55	341	0.3	47.2	0.25	2.00	4.70	0.34
HUHL_DS002470	HL_DS002470	6.76	813	0.6	55.6	0.25	2.00	4.70	0.34
HUHL_DS002811	HL_DS002811	4.81	229	0.2	47.6	0.25	2.00	4.70	0.34
HUHL_DS002827	HL_DS002827	6.52	265	0.2	64.2	0.25	12.50	0.10	0.21
HUHL_DS002854	HL_DS002854	3.99	235	0.4	57.9	0.25	2.00	4.70	0.34
HUHL_DS002876	HL_DS002876	2.15	178	0.4	55.3	0.25	2.00	4.70	0.34
HUHL_DS002881	HL_DS002881	1.72	140	0.2	44.0	0.25	2.00	4.70	0.34
HUHL_DS002885	HL_DS002885	6.09	268	0.4	31.1	0.28	7.80	0.56	0.27
HUHL_DS002904	HL_DS002904	9.40	362	0.2	35.8	0.28	11.80	0.13	0.22
HUHL_DS002906	HL_DS002906	4.99	271	0.3	43.6	0.25	2.00	4.70	0.34
HUHL_DS002909	HL_DS002909	2.32	172	0.2	38.6	0.25	2.00	4.70	0.34
HUHL_DS002913	HL_DS002913	5.97	286	0.2	47.7	0.25	2.00	4.70	0.34
HUHL_DS002929	HL_DS002929	2.16	166	0.4	48.2	0.25	2.00	4.70	0.34
HUHL_DS002932	HL_DS002932	3.98	333	0.4	44.6	0.25	2.00	4.70	0.34
HUHL_DS002933	HL_DS002933	1.19	203	0.9	42.4	0.25	2.00	4.70	0.34
HUHL_DS002936	HL_DS002936	5.12	322	0.6	43.5	0.25	2.00	4.70	0.34
HUHL_DS002938	HL_DS002938	5.02	486	0.4	43.9	0.25	2.00	4.70	0.34
HUHL_DS002947	HL_DS002947	3.61	189	0.2	36.9	0.25	2.00	4.70	0.34
HUHL_DS002950	HL_DS002950	2.68	240	0.6	42.0	0.25	2.00	4.70	0.34
HUHL_DS002954	HL_DS002954	1.49	167	0.1	49.5	0.25	2.00	4.70	0.34
HUHL_DS002972	HL_DS002972	3.28	252	0.2	43.0	0.25	2.00	4.70	0.34
HUHL_DS002984	HL_DS002984	4.54	316	0.3	42.5	0.25	2.00	4.70	0.34
HUHL_DS002985	HL_DS002985	3.20	265	0.4	71.5	0.27	12.50	0.10	0.21
HUHL_DS002990	HL_DS002990	3.40	219	0.5	39.1	0.25	2.00	4.70	0.34
HUHL_DS002997	HL_DS002997	10.60	557	0.3	53.2	0.25	2.00	4.70	0.34
HUHL_DS003015	HL_DS003015	5.16	316	0.3	84.2	0.25	12.50	0.10	0.21
HUHL_DS003019	HL_DS003019	7.82	497	0.2	48.2	0.25	10.40	0.22	0.24
HUHL_DS003047	HL_DS003047	10.72	550	0.1	44.5	0.25	2.00	4.70	0.34
HUHL_DS003058	HL_DS003058	5.44	350	0.3	46.0	0.25	2.00	4.70	0.34
HUHL_DS003062	HL_DS003062	2.81	199	0.3	43.0	0.25	2.00	4.70	0.34
HUHL_DS003064	HL_DS003064	5.65	298	0.2	43.5	0.25	2.00	4.70	0.34
HUHL_DS003074	HL_DS003074	15.94	700	0.3	40.4	0.25	2.40	4.10	0.34
HUHL_DS003102	HL_DS003102	4.20	230	0.3	50.8	0.25	9.70	0.28	0.24
HUHL_DS003106	HL_DS003106	4.23	248	0.3	42.0	0.25	2.00	4.70	0.34
HUHL_DS003107	HL_DS003107	6.86	433	0.5	48.4	0.25	2.00	4.70	0.34
HUHL_DS003115	HL_DS003115	2.48	180	0.4	46.5	0.25	2.00	4.70	0.34
HUHL_DS003119	HL_DS003119	19.75	438	0.1	37.5	0.25	3.20	3.00	0.32
HUHL_DS003121	HL_DS003121	3.60	292	0.5	57.1	0.25	2.00	4.70	0.34
HUHL_DS003126	HL_DS003126	6.49	487	0.5	58.2	0.25	2.20	4.39	0.34
HUHL_DS003127	HL_DS003127	2.15	204	0.4	54.2	0.25	2.00	4.70	0.34
HUHL_DS003129	HL_DS003129	4.52	234	0.5	45.6	0.25	2.00	4.70	0.34
HUHL_DS003136	HL_DS003136	5.65	252	0.3	66.6	0.25	12.50	0.10	0.21
HUHL_DS003143	HL_DS003143	2.48	192	0.3	49.8	0.25	2.00	4.70	0.34
HUHL_DS003144	HL_DS003144	2.40	190	0.3	40.3	0.25	2.00	4.70	0.34
HUHL_DS003145	HL_DS003145	3.65	301	0.2	56.2	0.25	2.00	4.70	0.34
HUHL_DS003151	HL_DS003151	7.63	327	0.3	56.2	0.25	2.60	3.73	0.33
HUHL_DS003156	HL_DS003156	2.66	229	0.5	56.6	0.25	2.00	4.70	0.34
HUHL_DS003158	HL_DS003158	5.57	354	0.5	51.9	0.25	3.60	2.58	0.32

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHL_DS003159	HL_DS003159	2.63	160	0.2	39.1	0.25	3.60	2.58	0.32
HUHL_DS003161	HL_DS003161	4.84	251	0.5	46.4	0.25	2.20	4.36	0.34
HUHL_DS003270	HL_DS003270	7.34	300	0.1	36.7	0.25	12.50	0.10	0.21
HUHL_DS003291	HL_DS003291	1.40	204	0.3	85.1	0.25	12.50	0.10	0.21
HUHL_DS003311	HL_DS003311	7.39	210	0.2	48.3	0.25	9.60	0.29	0.25
HUHL_DS003316	HL_DS003316	11.30	286	0.2	44.4	0.25	12.20	0.11	0.21
HUHL_DS003327	HL_DS003327	8.83	620	0.3	57.5	0.25	3.50	2.73	0.32
HUHL_DS003334	HL_DS003334	6.12	345	0.8	41.4	0.25	3.10	3.09	0.33
HUHL_DS003667	HL_DS003667	11.55	449	0.1	45.7	0.25	2.00	4.70	0.34
HUHL_DS003681	HL_DS003681	7.11	353	0.5	64.7	0.25	8.50	0.44	0.26
HUHL_DS003700	HL_DS003700	3.61	302	0.2	50.7	0.25	2.20	4.43	0.34
HUHL_DS003710	HL_DS003710	4.59	285	0.2	47.6	0.25	2.00	4.70	0.34
HUHL_DS003711	HL_DS003711	3.06	265	0.2	46.0	0.25	2.00	4.70	0.34
HUHL_DS003728	HL_DS003728	7.30	431	0.8	38.8	0.25	2.00	4.63	0.34
HUHL_DS003730	HL_DS003730	2.44	199	0.4	33.6	0.25	2.00	4.70	0.34
HUHL_DS003754	HL_DS003754	3.43	363	0.4	62.5	0.25	2.10	4.46	0.34
HUHL_DS003757	HL_DS003757	2.21	133	0.4	62.2	0.25	2.00	4.68	0.34
HUHL_DS003772	HL_DS003772	6.36	326	0.2	47.7	0.25	2.00	4.70	0.34
HUHL_DS003786	HL_DS003786	11.32	631	0.2	43.8	0.25	2.00	4.70	0.34
HUHL_DS003806	HL_DS003806	3.04	233	0.2	60.6	0.25	2.00	4.65	0.34
HUHL_DS003807	HL_DS003807	6.27	385	0.5	50.0	0.25	2.00	4.70	0.34
HUHL_DS003816	HL_DS003816	2.38	252	0.5	41.1	0.25	2.00	4.70	0.34
HUHL_DS003838	HL_DS003838	6.74	332	0.4	46.9	0.25	2.00	4.70	0.34
HUHL_DS003840	HL_DS003840	7.50	485	0.3	48.2	0.25	2.00	4.70	0.34
HUHL_DS003864	HL_DS003864	4.82	356	0.3	50.0	0.25	12.50	0.10	0.21
HUHL_DS003969	HL_DS003969	4.81	244	0.3	69.2	0.25	7.60	0.61	0.27
HUHL_DS003979	HL_DS003979	2.98	435	0.1	32.9	0.25	2.00	4.70	0.34
HUHL_DS003984	HL_DS003984	1.07	113	1.0	11.1	0.34	2.00	4.70	0.34
HUHL_DS004341	HL_DS004341	7.58	455	0.2	71.1	0.25	5.60	1.25	0.30
HUHL_DS004363	HL_DS004363	4.15	299	0.3	78.2	0.25	12.50	0.10	0.21
HUHL_DS004387	HL_DS004387	5.28	366	0.4	46.1	0.25	2.00	4.70	0.34
HUHL_DS004390	HL_DS004390	7.90	717	0.5	44.5	0.25	2.00	4.70	0.34
HUHL_DS004397	HL_DS004397	5.15	417	0.5	43.2	0.25	2.00	4.70	0.34
HUHL_DS004411	HL_DS004411	3.76	266	0.6	55.6	0.25	2.00	4.70	0.34
HUHL_DS004540	HL_DS004540	8.64	379	0.2	59.7	0.25	12.50	0.10	0.21
HUHL_DS004576	HL_DS004576	5.09	270	0.2	59.2	0.25	12.50	0.10	0.21
HUHL_DS004635	HL_DS004635	7.02	392	0.2	47.2	0.25	12.50	0.10	0.21
HUHL_DS004668	HL_DS004668	11.41	342	0.2	56.6	0.25	9.90	0.26	0.24
HUHL_DS004671	HL_DS004671	6.28	509	0.4	73.1	0.25	10.70	0.19	0.23
HUHL_DS004750	HL_DS004750	5.95	967	0.5	55.7	0.25	12.00	0.12	0.22
HUHL_DS004762	HL_DS004762	10.95	938	0.3	55.3	0.25	12.50	0.10	0.21
HUHL_DS004764	HL_DS004764	3.82	197	0.3	65.1	0.25	10.20	0.23	0.24
HUHL_DS004914	HL_DS004914	6.81	507	0.4	61.2	0.25	12.30	0.11	0.21
HUHL_DS005108	HL_DS005108	1.84	253	0.5	89.5	0.25	10.60	0.20	0.23
HUHL_DS005129	HL_DS005129	15.11	717	0.3	50.8	0.25	3.70	2.55	0.32
HUHL_DS005138	HL_DS005138	12.33	421	0.4	47.4	0.25	5.20	1.47	0.30
HUHL_DS005182	HL_DS005182	6.95	1072	0.4	47.1	0.25	11.90	0.12	0.22
HUHL_DS005251	HL_DS005251	13.08	712	2.5	18.7	0.40	12.50	0.10	0.21
HUHL_DS005455	HL_DS005455	3.91	216	0.4	56.7	0.25	9.50	0.30	0.25
HUHL_DS005490	HL_NID10034	5.13	238	0.5	56.9	0.25	12.50	0.10	0.21
HUHL_DS005505	HL_DS005505	8.28	230	0.3	79.6	0.25	7.10	0.74	0.28
HUHL_DS005510	HL_DS005510	4.18	235	0.3	42.8	0.25	2.00	4.70	0.34
HUHL_DS005553	HL_DS005553	2.40	332	0.4	83.8	0.25	7.10	0.74	0.28
HUHL_DS005556	HL_DS005556	3.00	222	0.3	45.2	0.25	4.50	1.88	0.31
HUHL_DS005560	HL_DS005560	9.03	281	0.1	31.9	0.25	2.20	4.44	0.34
HUHL_DS005562	HL_DS005562	4.28	339	0.6	57.0	0.25	3.80	2.39	0.32
HUHL_DS005571	HL_DS005571	5.38	300	0.1	50.2	0.25	2.00	4.70	0.34
HUHL_DS005615	HL_DS005615	3.86	296	0.4	76.4	0.25	12.40	0.10	0.21
HUHL_DS005630	HL_DS005630	10.08	521	0.3	53.2	0.25	2.20	4.36	0.34
HUHL_DS005648	HL_DS005648	18.17	522	0.3	50.3	0.25	8.60	0.43	0.26
HUHL_DS005650	HL_DS005650	3.87	210	0.2	71.0	0.25	5.30	1.39	0.30
HUHL_DS005651	HL_DS005651	4.32	327	0.1	44.3	0.25	2.00	4.70	0.34

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHL_DS005674	HL_DS005674	4.52	257	0.2	62.3	0.25	7.60	0.60	0.27
HUHL_DS005678	HL_DS005678	10.52	408	0.1	51.0	0.25	7.00	0.76	0.28
HUHL_DS005686	HL_DS005686	2.02	163	0.5	46.9	0.25	2.00	4.70	0.34
HUHL_DS005701	HL_DS005701	15.11	711	0.2	50.8	0.25	2.00	4.70	0.34
HUHL_DS005710	HL_DS005710	4.00	249	0.1	50.3	0.25	2.00	4.70	0.34
HUHL_DS005717	HL_DS005717	2.36	190	0.1	47.5	0.25	2.00	4.70	0.34
HUHL_DS005723	HL_DS005723	7.83	398	0.2	53.0	0.25	2.00	4.70	0.34
HUHL_DS005808	HL_DS005808	4.23	462	0.4	55.3	0.25	2.00	4.70	0.34
HUHL_DS005940	HL_DS005940	4.70	241	0.1	46.6	0.25	2.00	4.70	0.34
HUHL_DS005947	HL_DS005947	3.99	217	0.2	39.4	0.25	2.00	4.70	0.34
HUHL_DS005953	HL_DS005953	3.08	240	0.4	41.1	0.25	3.30	2.87	0.32
HUHL_DS005962	HL_DS005962	1.51	180	0.8	42.9	0.25	5.30	1.41	0.30
HUHL_DS005971	HL_DS005971	2.01	255	0.5	88.9	0.25	10.70	0.19	0.23
HUHL_DS005974	HL_DS005974	12.14	335	0.3	42.9	0.25	7.80	0.55	0.27
HUHL_DS006033	HL_DS006033	4.01	216	0.1	48.4	0.25	2.00	4.70	0.34
HUHL_DS006037	HL_DS006037	3.50	240	0.2	52.6	0.25	2.00	4.70	0.34
HUHL_DS006338	HL_DS006338	8.62	549	0.4	58.6	0.25	12.50	0.10	0.21
HUHL_DS006353	HL_DS006353	7.63	578	0.4	45.0	0.25	12.40	0.10	0.21
HUHL_DS006358	HL_DS006358	1.77	238	0.3	91.4	0.25	12.50	0.10	0.21
HUHL_DS006370	HL_DS006370	5.86	785	0.3	70.0	0.25	2.00	4.70	0.34
HUHL_DS006378	HL_DS006378	7.31	380	0.4	33.7	0.32	2.70	3.66	0.33
HUHL_DS006456	HL_DS006456	3.68	346	0.4	43.0	0.25	2.00	4.70	0.34
HUHL_DS006457	HL_DS006457	7.25	300	0.4	48.1	0.25	2.00	4.70	0.34
HUHL_DS006469	HL_DS006469	2.45	190	0.7	50.8	0.29	2.00	4.70	0.34
HUHL_DS006475	HL_DS006475	1.14	119	0.5	39.5	0.26	3.10	3.18	0.33
HUHL_DS006499	HL_DS006499	1.90	246	0.6	87.6	0.25	12.50	0.10	0.21
HUHL_DS006560	HL_DS006560	1.89	135	0.7	90.0	0.25	10.30	0.22	0.24
HUHL_DS006597	HL_DS006597	9.03	715	0.8	51.4	0.25	12.50	0.10	0.21
HUHL_DS006601	HL_DS006601	13.41	942	0.4	58.6	0.25	12.50	0.10	0.21
HUHL_DS007073	HL_DS007073	0.60	100	3.5	90.0	0.25	12.50	0.10	0.21
HUHL_DS007075	HL_DS007075	0.63	70	1.5	90.0	0.25	3.70	2.54	0.32
HUHL_DS007116	HL_DS007116	10.60	564	0.3	30.4	0.25	2.00	4.70	0.34
HUHL_DS007146	HL_DS007146	5.09	244	0.2	45.9	0.25	3.00	3.24	0.33
HUHL_DS007152	HL_DS007152	3.62	243	0.2	87.9	0.25	12.40	0.10	0.21
HUHL_DS007160	HL_DS007160	1.68	201	0.6	82.8	0.25	12.50	0.10	0.21
HUHL_DS007172	HL_DS007172	3.83	200	0.5	57.6	0.25	10.80	0.19	0.23
HUHL_DS007188	HL_DS007188	2.54	430	0.4	88.0	0.25	12.50	0.10	0.21
HUHL_DS007196	HL_DS007196	3.02	345	0.4	82.3	0.25	12.50	0.10	0.21
HUHL_DS007217	HL_DS007217	1.61	100	3.5	90.0	0.25	3.70	2.53	0.32
HUHL_DS007227	HL_DS007227	5.07	4209	10.0	74.4	0.25	7.60	0.59	0.27
HUHL_DS007247	HL_DS007247	7.93	1040	0.6	70.8	0.25	12.50	0.10	0.21
HUHL_DS007265	HL_DS007265	6.05	288	0.2	25.7	0.29	2.00	4.70	0.34
HUHL_DS007266	HL_DS007266	4.80	262	0.4	70.4	0.25	2.00	4.70	0.34
HUHL_DS007268	HL_DS007268	4.80	4178	4.0	71.2	0.25	12.50	0.10	0.21
HUHL_DS007317	HL_DS007317	6.18	3168	7.8	67.9	0.39	7.20	0.69	0.28
HUHL_DS007601	HL_DS007601	3.88	281	0.5	53.9	0.25	12.50	0.10	0.21
HUHL_DS007751	HL_DS007751	2.69	280	0.4	61.4	0.25	2.00	4.70	0.34
HUHL_DS007760	HL_DS007760	8.67	412	0.3	54.0	0.25	2.00	4.70	0.34
HUHL_DS007761	HL_DS007761	3.43	357	0.5	54.7	0.25	2.00	4.70	0.34
HUHL_DS007905	HL_DS007905	1.12	80	0.5	44.9	0.29	6.70	0.84	0.28
HUHL_DS007908	HL_DS007908	3.19	267	0.5	66.3	0.25	2.00	4.70	0.34
HUHL_DS008014	HL_DS008014	1.97	3436	8.0	18.5	0.40	12.40	0.10	0.21
HUHL_DS008045	HL_DS008045	16.71	1236	1.3	40.1	0.25	11.80	0.13	0.22
HUHL_DS008051	HL_DS008051	3.25	180	0.3	36.6	0.27	4.80	1.69	0.31
HUHL_DS008083	HL_DS008083	5.43	329	0.2	55.7	0.25	3.30	2.96	0.32
HUHL_DS008085	HL_DS008085	2.17	234	0.5	44.1	0.25	2.10	4.53	0.34
HUHL_DS008090	HL_DS008090	7.70	377	0.3	68.9	0.25	12.50	0.10	0.21
HUHL_DS008143	HL_DS008143	4.88	255	0.3	57.9	0.25	2.00	4.70	0.34
HUHL_DS008145	HL_DS008145	2.16	499	2.6	68.3	0.25	2.00	4.70	0.34
HUHL_DS008164	HL_DS008164	10.88	1200	0.3	49.2	0.25	2.30	4.14	0.34
HUHL_DS008173	HL_DS008173	21.10	700	0.1	15.0	0.30	12.20	0.10	0.21
HUHL_DS008400	HL_DS008400	4.77	346	0.2	90.1	0.25	12.20	0.11	0.21

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHL_DS008421	HL_DS008421	8.33	1305	0.5	81.1	0.25	10.70	0.19	0.23
HUHL_DS008452	HL_DS008452	0.96	139	0.8	87.1	0.25	12.50	0.10	0.21
HUHL_DS008466	HL_DS008466	1.83	158	0.4	43.9	0.25	2.00	4.70	0.34
HUHL_DS008467	HL_DS008467	4.91	498	0.2	46.0	0.25	2.00	4.70	0.34
HUHL_DS008894	HL_DS008894	4.43	220	0.3	54.7	0.25	2.00	4.70	0.34
HUHL_DS008902	HL_DS008902	1.84	236	0.4	41.1	0.25	2.00	4.70	0.34
HUHL_DS009035	HL_DS009035	3.72	364	0.3	46.6	0.25	2.00	4.70	0.34
HUHL_DS009039	HL_DS009039	5.41	339	0.4	39.0	0.25	2.00	4.70	0.34
HUHL_DS009041	HL_DS009041	1.00	139	0.5	38.8	0.25	2.00	4.70	0.34
HUHL_DS009043	HL_DS009043	1.58	234	0.6	43.8	0.25	2.00	4.70	0.34
HUHL_DS009045	HL_DS009045	2.26	375	0.6	46.1	0.25	2.00	4.70	0.34
HUHL_DS009308	HL_DS009308	11.51	885	0.5	54.3	0.25	12.50	0.10	0.21
HUHL_DS009343	HL_DS009343	3.70	250	0.3	79.6	0.25	12.00	0.12	0.22
HUHL_DS009506	HL_DS009506	6.62	421	0.4	53.7	0.25	3.90	2.36	0.32
HUHL_DS009508	HL_DS009508	8.10	433	0.2	70.5	0.25	4.50	1.90	0.31
HUHL_DS009509	HL_DS009509	1.90	155	0.3	53.0	0.25	2.00	4.70	0.34
HUHL_DS009550	HL_DS009550	4.51	231	0.2	51.6	0.25	12.50	0.10	0.21
HUHL_DS009553	HL_DS009553	3.26	302	0.4	45.5	0.25	2.00	4.70	0.34
HUHL_PS000010	HL_PS000010	13.58	1014	0.2	66.8	0.25	2.00	4.70	0.34
HUNB_DMHRK140	NB_DMHRK140	9.01	550	0.9	76.2	0.26	12.10	0.12	0.22
HUNB_DS007068	NB_DS007207	24.48	854	1.1	41.8	0.37	7.30	0.67	0.27
HUNB_DSBLB103	NB_DSBLB103	2.37	302	0.7	52.3	0.25	12.50	0.10	0.21
HUNB_DSBLB105	NB_DSBLB105	7.09	512	2.2	63.3	0.25	6.90	0.79	0.28
HUNB_DSBLB203	NB_DSBLB203	3.01	180	0.6	62.9	0.27	11.10	0.17	0.23
HUNB_DSCDY101	NB_DSCDY101	8.94	609	1.1	23.8	0.30	7.90	0.54	0.27
HUNB_DSFRK154	NB_DSFRK154	2.81	190	0.6	82.1	0.27	11.10	0.17	0.23
HUNB_DSFRK202	NB_DSFRK202	10.21	600	1.1	53.1	0.27	9.80	0.27	0.24
HUNB_DSFRK205	NB_DSFRK205	27.63	773	0.6	22.8	0.30	7.30	0.67	0.27
HUNC_AGE999035	NC_AGE999035	9.73	331	0.1	63.9	0.25	2.30	4.16	0.34
HUNC_AGE999040	NC_AGE999040	4.25	278	0.2	72.2	0.25	4.00	2.25	0.32
HUNC_AGE999043	NC_AGE999043	18.47	535	0.2	58.7	0.26	2.00	4.70	0.34
HUNC_AGE999044	NC_AGE999044	7.68	285	0.2	45.3	0.25	2.00	4.70	0.34
HUNC_AGE999055	NC_AGE999055	4.83	430	0.3	46.4	0.25	2.00	4.70	0.34
HUNC_AGE999056	NC_AGE999056	10.08	548	0.3	51.1	0.25	2.00	4.70	0.34
HUNC_AGE999059	NC_AGE999059	5.97	274	0.4	51.0	0.25	2.00	4.70	0.34
HUNC_AGE999060	NC_AGE999060	9.91	392	0.3	57.5	0.25	2.00	4.70	0.34
HUNC_AGE999061	NC_AGE999061	8.06	540	0.3	49.1	0.25	2.00	4.70	0.34
HUNC_DS000381	NC_DS000381	6.09	304	0.1	40.6	0.40	2.30	4.21	0.34
HUNC_DS000426	NC_DS000426	7.83	438	0.1	65.6	0.25	2.80	3.47	0.33
HUNC_DS000482	NC_DS000482	19.00	653	0.2	47.6	0.25	2.00	4.70	0.34
HUNC_DS000635	NC_DS000635	1.90	79	0.2	75.7	0.25	12.50	0.10	0.21
HUNC_DS000694	NC_DS000694	6.18	342	0.3	48.1	0.26	2.00	4.70	0.34
HUNC_DS002721	NC_DS002721	6.52	259	0.2	67.5	0.25	4.00	2.29	0.32
HUNC_DS003166	NC_DS003166	7.79	524	0.1	70.2	0.25	2.00	4.70	0.34
HUNC_DS003871	NC_DS003871	12.75	453	0.2	78.9	0.25	11.20	0.16	0.23
HUNC_DS004589	NC_DS004589	12.21	463	0.2	64.1	0.25	3.20	3.05	0.33
HUNC_DS005122	NC_DS005122	10.05	525	0.1	60.2	0.25	2.00	4.70	0.34
HUNC_DS005179	NC_DS005179	12.79	518	0.4	48.9	0.25	2.50	3.87	0.33
HUNC_DS005187	NC_DS005187	6.37	278	0.2	80.1	0.25	9.40	0.31	0.25
HUNC_DS005552	NC_DS005552	4.91	337	0.3	58.3	0.25	3.60	2.57	0.32
HUNC_DS005672	NC_DS005672	6.02	403	0.3	56.2	0.25	2.00	4.70	0.34
HUNC_DS005737	NC_DS005737	6.25	416	0.2	80.7	0.25	9.60	0.29	0.25
HUNC_DS005860	NC_DS005860	4.28	305	0.3	69.2	0.28	2.30	4.15	0.34
HUNC_DS005911	NC_DS005911	4.96	172	0.1	57.5	0.26	2.00	4.70	0.34
HUNC_DS006490	NC_DS006490	11.19	368	0.2	81.6	0.25	9.50	0.30	0.25
HUNC_DS008082	NC_DS008082	8.18	419	0.3	44.7	0.25	2.00	4.70	0.34
HUNC_DS008380	NC_DS008380	10.29	439	0.1	74.8	0.25	4.80	1.66	0.30
HUNC_DS008787	NC_DS008787	2.81	432	0.3	82.6	0.25	3.30	2.90	0.32
HUNC_DS008835	NC_DS008835	18.55	509	0.2	64.0	0.25	3.80	2.44	0.32
HUNC_DS009455	NC_DS009455	5.90	490	0.5	64.3	0.25	4.50	1.89	0.31
HUNC_DS009729	NC_DS009729	5.02	454	0.4	80.9	0.28	2.00	4.70	0.34
HUNC_DS009741	NC_DS009741	4.65	387	0.6	34.1	0.37	2.00	4.70	0.34

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUPE_AGE999015	PE_AGE999015	6.24	335	0.2	25.1	0.40	2.50	3.95	0.33
HUPE_AGE999016	PE_AGE999016	39.02	4656	0.8	48.6	0.31	6.60	0.86	0.28
HUPE_AGE999026	PE_AGE999026	7.90	115	0.7	80.0	0.25	7.10	0.71	0.28
HUPE_AGE999058	PE_AGE999058	2.41	135	0.4	80.0	0.25	8.20	0.48	0.26
HUPE_AGE999121	PE_AGE999121	1.88	100	1.5	90.0	0.32	4.30	2.03	0.31
HUPE_AGE999200	PE_AGE999200	20.37	1277	1.2	32.1	0.40	6.30	0.96	0.29
HUPE_AGE999201	PE_CWL98285	177.00	7688	2.2	47.8	0.32	9.00	0.37	0.25
HUPE_AGE999202	PE_AGE999202	4.17	648	2.0	59.7	0.26	8.60	0.42	0.26
HUPE_CICW98010	PE_CICW98010	263.39	229462	2.0	95.5	0.33	11.50	0.15	0.22
HUPE_CICW98020	PE_CICW98015	64.54	56230	2.0	88.4	0.30	11.00	0.17	0.23
HUPE_CICW98030	PE_CICW98030	128.43	111844	2.0	85.8	0.36	10.90	0.18	0.23
HUPE_CWL98230	PE_CWL98230	797.49	694773	2.0	95.7	0.31	12.00	0.12	0.22
HUPE_DO000326	PE_DO000326	20.29	910	0.2	52.6	0.25	9.10	0.35	0.25
HUPE_DO000730	PE_DO000730	4.98	1000	1.5	13.8	0.40	6.40	0.93	0.29
HUPE_DS001979	PE_DS001979	5.26	233	2.1	57.9	0.25	12.10	0.12	0.22
HUPE_DS003177	PE_DS003177	6.97	454	0.3	58.3	0.25	4.20	2.10	0.31
HUPE_DS007461	PE_DS007461	4.75	325	0.8	54.1	0.33	5.50	1.32	0.30
HUPE_DS008198	PE_DS008198	31.67	2477	2.1	46.8	0.28	5.90	1.11	0.29
HUPS_AGE999041	PS_AGE999041	3.02	293	0.3	64.3	0.25	6.20	1.02	0.29
HUPS_AGE999045	PS_AGE999045	6.97	246	0.2	36.7	0.25	3.80	2.47	0.32
HUPS_AGE999050	PS_AGE999050	3.16	363	0.3	46.9	0.25	11.30	0.15	0.22
HUPS_AGE999051	PS_AGE999051	8.88	418	0.2	52.9	0.25	3.10	3.16	0.33
HUPS_AGE999054	PS_AGE999054	5.95	285	0.3	48.3	0.25	5.80	1.16	0.29
HUPS_AGE999057	PS_AGE999057	9.82	616	0.1	69.5	0.25	5.50	1.30	0.30
HUPS_AGE999063	PS_AGE999063	8.69	336	0.1	48.6	0.25	2.00	4.70	0.34
HUPS_DMH000292	PS_DMH000292	9.13	535	0.2	91.9	0.25	12.50	0.10	0.21
HUPS_DMH000387	PS_DMH000387	7.83	502	0.2	75.5	0.25	7.00	0.76	0.28
HUPS_DMH000454	PS_DMH000454	3.59	213	0.3	90.4	0.25	12.50	0.10	0.21
HUPS_DS000536	PS_DS000536	4.04	394	0.1	80.7	0.25	12.00	0.12	0.22
HUPS_DS001566	PS_DS001566	3.98	232	0.2	41.6	0.25	2.80	3.56	0.33
HUPS_DS001571	PS_DS001571	4.78	216	0.2	46.2	0.25	3.70	2.51	0.32
HUPS_DS001605	PS_DS001605	8.08	392	0.3	41.0	0.25	4.60	1.82	0.31
HUPS_DS001710	PS_DS001710	3.63	211	0.2	53.4	0.25	3.90	2.32	0.32
HUPS_DS003292	PS_DS003292	0.85	154	0.5	77.3	0.25	12.50	0.10	0.21
HUPS_DS003886	PS_DS003886	4.58	213	0.1	68.5	0.25	6.90	0.77	0.28
HUPS_DS003932	PS_DS003932	6.53	416	0.2	87.9	0.25	12.50	0.10	0.21
HUPS_DS004427	PS_DS004427	3.66	200	0.1	73.9	0.25	2.00	4.70	0.34
HUPS_DS004490	PS_DS004490	3.37	207	0.2	52.5	0.25	12.50	0.10	0.21
HUPS_DS004491	PS_DS004491	10.08	358	0.1	56.1	0.25	2.00	4.70	0.34
HUPS_DS004607	PS_DS004607	4.44	224	0.1	67.5	0.25	5.90	1.11	0.29
HUPS_DS004613	PS_DS004613	6.81	400	0.2	69.5	0.25	2.00	4.70	0.34
HUPS_DS004614	PS_DS004614	4.60	327	0.1	66.2	0.25	6.70	0.83	0.28
HUPS_DS004627	PS_DS004627	6.18	405	0.2	71.5	0.25	6.60	0.88	0.28
HUPS_DS004630	PS_DS004630	7.99	438	0.1	61.6	0.25	2.00	4.70	0.34
HUPS_DS004687	PS_DS004687	10.66	497	0.2	69.7	0.25	12.50	0.10	0.21
HUPS_DS004700	PS_DS004700	4.99	355	0.2	63.5	0.25	7.50	0.62	0.27
HUPS_DS006443	PS_DS006443	3.73	262	0.2	67.9	0.25	3.00	3.30	0.33
HUPS_DS007192	PS_DS007192	6.11	322	0.2	73.2	0.25	12.50	0.10	0.21
HUPS_DS007193	PS_DS007193	3.25	191	0.2	61.5	0.25	12.50	0.10	0.21
HUPS_DS007218	PS_DS007218	8.25	376	0.3	64.3	0.25	10.20	0.23	0.24
HUPS_DS007220	PS_DS007220	4.28	261	0.2	66.8	0.25	11.60	0.14	0.22
HUPS_DS007221	PS_DS007221	4.18	187	0.2	61.8	0.25	11.60	0.14	0.22
HUPS_DS007224	PS_DS007224	5.93	323	0.3	61.3	0.25	12.10	0.12	0.22
HUPS_DS007225	PS_DS007225	6.16	314	0.2	68.2	0.25	12.50	0.10	0.21
HUPS_DS007249	PS_DS007249	9.84	413	0.2	62.0	0.25	5.60	1.27	0.30
HUPS_DS007259	PS_DS007259	7.22	340	0.2	72.2	0.25	9.30	0.32	0.25
HUPS_DS009430	PS_DS009430	4.54	253	0.1	53.0	0.25	6.10	1.03	0.29
HURP_AGE999017	RP_AGE999017	3.72	342	0.4	90.1	0.25	2.00	4.70	0.34
HURP_AGE999018	RP_AGE999018	12.99	707	0.6	86.0	0.25	2.00	4.70	0.34
HURP_AGE999019	RP_AGE999019	8.12	411	0.3	46.7	0.25	2.00	4.63	0.34
HURP_AGE999020	RP_AGE999020	10.21	424	0.2	43.2	0.25	2.00	4.70	0.34
HURP_AGE999021	RP_AGE999021	1.70	82	0.2	70.4	0.25	12.50	0.10	0.21

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HURP_AGE999023	RP_AGE999023	7.74	465	0.2	58.7	0.25	2.00	4.70	0.34
HURP_AGE999024	RP_AGE999024	9.10	401	0.2	64.8	0.25	2.00	4.70	0.34
HURP_AGE999025	RP_AGE999025	6.56	258	0.2	78.7	0.25	6.90	0.78	0.28
HURP_AGE999029	RP_AGE999029	3.30	224	0.3	60.8	0.25	2.00	4.70	0.34
HURP_AGE999030	RP_AGE999030	4.88	170	0.1	69.3	0.25	3.80	2.43	0.32
HURP_AGE999064	RP_AGE999064	4.11	170	0.2	81.2	0.25	11.90	0.12	0.22
HURP_AGE999066	RP_AGE999066	5.31	333	0.3	46.1	0.25	2.00	4.64	0.34
HURP_DMH000393	RP_DMH000393	6.00	253	0.1	62.6	0.25	5.80	1.15	0.29
HURP_DMH000398	RP_DMH000398	6.09	291	0.1	61.7	0.25	4.50	1.90	0.31
HURP_DMH000419	RP_DMH000419	9.16	417	0.2	69.7	0.25	8.20	0.48	0.26
HURP_DMH000430	RP_DMH000430	7.61	348	0.3	68.4	0.25	3.40	2.78	0.32
HURP_DMH000434	RP_DMH000434	5.56	228	0.2	74.6	0.25	5.60	1.25	0.30
HURP_DMH000457	RP_DMH000457	6.37	411	0.3	51.2	0.25	6.00	1.09	0.29
HURP_DMH000459	RP_DMH000459	3.92	297	0.3	59.4	0.25	4.80	1.68	0.31
HURP_DMH000480	RP_DMH000480	5.13	238	0.3	78.0	0.25	6.80	0.80	0.28
HURP_DMH000481	RP_DMH000481	3.28	194	0.3	78.5	0.25	9.00	0.36	0.25
HURP_DMH000526	RP_DMH000526	9.01	444	0.2	68.5	0.25	6.40	0.93	0.29
HURP_DMH001608	RP_DMH001608	9.92	938	0.1	53.3	0.39	3.70	2.52	0.32
HURP_DMH001892	RP_DMH001892	6.99	508	0.6	79.0	0.25	3.60	2.59	0.32
HURP_DS000366	RP_DS000366	2.51	91	0.1	82.1	0.25	12.50	0.10	0.21
HURP_DS002871	RP_DS002871	7.60	552	0.3	88.3	0.25	2.00	4.70	0.34
HURP_DS003169	RP_DS003169	2.56	141	0.2	69.9	0.25	4.10	2.19	0.31
HURP_DS003290	RP_DS003290	0.79	88	0.4	81.0	0.25	12.50	0.10	0.21
HURP_DS003301	RP_DS003301	7.20	491	0.5	75.7	0.25	4.30	1.99	0.31
HURP_DS003723	RP_DS003723	7.63	317	0.3	71.5	0.25	4.70	1.73	0.31
HURP_DS003752	RP_DS003752	6.48	325	0.2	82.9	0.25	12.50	0.10	0.21
HURP_DS003906	RP_DS003906	5.21	319	0.4	81.6	0.25	6.50	0.90	0.28
HURP_DS003909	RP_DS003909	5.63	288	0.2	63.9	0.25	2.80	3.50	0.33
HURP_DS003911	RP_DS003911	9.58	417	0.2	75.7	0.25	8.40	0.45	0.26
HURP_DS003917	RP_DS003917	4.74	232	0.2	68.0	0.25	8.20	0.48	0.26
HURP_DS003931	RP_DS003931	6.82	270	0.2	83.5	0.25	12.50	0.10	0.21
HURP_DS004354	RP_DS004354	7.23	275	0.2	64.8	0.25	2.00	4.70	0.34
HURP_DS004395	RP_DS004395	4.34	196	0.1	80.1	0.25	11.20	0.16	0.23
HURP_DS004606	RP_DS004606	2.18	124	0.3	73.3	0.25	12.50	0.10	0.21
HURP_DS004651	RP_DS004651	9.10	375	0.1	63.2	0.25	2.00	4.70	0.34
HURP_DS004657	RP_DS004657	4.59	400	0.4	64.1	0.25	2.00	4.70	0.34
HURP_DS004680	RP_DS004680	4.53	288	0.2	88.1	0.25	12.50	0.10	0.21
HURP_DS005079	RP_DS005079	5.39	333	0.3	83.9	0.25	12.10	0.12	0.22
HURP_DS005110	RP_DS005110	4.20	230	0.2	76.3	0.25	11.50	0.15	0.22
HURP_DS005502	RP_DS005502	3.21	243	0.5	58.3	0.25	2.00	4.70	0.34
HURP_DS005596	RP_DS005596	7.84	324	0.1	59.7	0.25	2.00	4.70	0.34
HURP_DS005611	RP_DS005611	5.93	574	0.5	57.6	0.25	6.30	0.98	0.29
HURP_DS005721	RP_DS005721	9.44	490	0.2	66.1	0.25	2.00	4.70	0.34
HURP_DS005853	RP_DS005853	1.57	80	0.3	63.0	0.25	3.30	2.90	0.32
HURP_DS005921	RP_DS005921	6.80	370	0.3	76.4	0.25	10.00	0.25	0.24
HURP_DS005937	RP_DS005937	5.96	400	0.3	90.5	0.25	3.00	3.22	0.33
HURP_DS005986	RP_DS005986	7.16	449	0.2	79.0	0.25	8.30	0.46	0.26
HURP_DS005993	RP_DS005993	3.48	141	0.2	78.4	0.25	2.30	4.27	0.34
HURP_DS005995	RP_DS005995	9.74	365	0.1	57.7	0.25	2.00	4.70	0.34
HURP_DS006258	RP_DS006258	2.71	175	0.2	81.9	0.25	7.60	0.59	0.27
HURP_DS006317	RP_DS006317	4.87	344	0.4	70.8	0.25	2.00	4.70	0.34
HURP_DS006327	RP_DS006327	9.26	419	0.1	78.8	0.25	6.50	0.90	0.28
HURP_DS006486	RP_DS006486	6.30	294	0.2	87.7	0.25	12.50	0.10	0.21
HURP_DS006496	RP_DS006496	4.47	460	0.4	72.6	0.25	7.40	0.65	0.27
HURP_DS006497	RP_DS006497	5.90	417	0.3	66.4	0.25	2.40	4.05	0.33
HURP_DS007275	RP_DS007275	4.50	480	0.3	85.1	0.25	12.50	0.10	0.21
HURP_DS007734	RP_DS007734	5.12	416	0.3	86.2	0.25	2.00	4.63	0.34
HURP_DS008841	RP_DS008841	11.76	426	0.1	55.7	0.25	2.00	4.70	0.34
HURP_DS009188	RP_DS009188	8.44	1100	0.3	87.5	0.25	5.60	1.26	0.30
HURP_DS009450	RP_DS009450	8.26	452	0.2	85.3	0.25	3.40	2.86	0.32
HUSCB_AGE999203	SCB_AGE999203	2.91	170	0.4	48.9	0.34	3.10	3.10	0.33
HUSCB_AGE999204	SCB_AGE999204	2.67	145	0.7	53.3	0.25	3.10	3.14	0.33

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUSCB_DMH000380	SCB_DMH00038	4.60	365	0.4	82.7	0.25	12.50	0.10	0.21
HUSCB_DS000359	SCB_DS000359	1.39	240	0.7	78.8	0.25	12.50	0.10	0.21
HUSCB_DS000699	SCB_DS000699	2.44	411	6.7	77.3	0.26	6.90	0.79	0.28
HUSCB_DS000702	SCB_DMH00090	4.03	303	2.3	92.1	0.25	10.30	0.22	0.24
HUSCB_DS000923_1	SCB_DS000920	3.38	431	0.8	59.1	0.25	12.50	0.10	0.21
HUSCB_DS000923_2	SCB_DS000923	4.13	431	0.8	57.6	0.25	12.50	0.10	0.21
HUSCB_DS002821	SCB_DS002821	1.38	127	1.4	76.0	0.25	6.60	0.87	0.28
HUSCB_DS003366	SCB_DS003366	4.20	289	1.3	73.0	0.27	7.90	0.53	0.27
HUSCB_DS003368	SCB_DS003368	1.69	161	1.1	84.7	0.25	5.80	1.15	0.29
HUSCB_DS003369	SCB_DS003369	1.38	156	1.5	70.4	0.25	9.10	0.34	0.25
HUSCB_DS003370	SCB_DS003370	1.58	138	1.3	78.6	0.25	7.30	0.67	0.27
HUSCB_DS003708	SCB_DS003708	0.93	195	1.0	74.4	0.25	12.50	0.10	0.21
HUSCB_DS003731	SCB_DS003731	3.00	189	0.8	83.1	0.25	7.30	0.69	0.27
HUSCB_DS003747	SCB_DS003747	3.21	253	1.0	79.4	0.25	9.40	0.31	0.25
HUSCB_DS003759	SCB_VCD00007E	1.38	197	4.0	69.2	0.25	12.50	0.10	0.21
HUSCB_DS003800	SCB_DS006392	1.99	299	2.0	87.8	0.25	12.50	0.10	0.21
HUSCB_DS003821	SCB_DS007161	1.52	270	0.6	75.7	0.25	12.50	0.10	0.21
HUSCB_DS003947	SCB_DS003947	4.43	341	1.0	84.4	0.25	8.40	0.44	0.26
HUSCB_DS003957	SCB_DS003957	2.05	182	1.4	88.9	0.25	8.60	0.41	0.26
HUSCB_DS003982	SCB_DS003982	1.46	154	1.8	84.1	0.25	8.50	0.44	0.26
HUSCB_DS003983	SCB_DS003983	2.85	225	1.1	87.2	0.25	6.40	0.92	0.29
HUSCB_DS004283	SCB_DS004283	2.63	160	1.1	81.1	0.25	9.10	0.35	0.25
HUSCB_DS004284	SCB_DS004284	3.63	292	1.6	89.4	0.25	11.00	0.17	0.23
HUSCB_DS004286	SCB_DS004286	1.49	278	0.5	62.1	0.25	12.50	0.10	0.21
HUSCB_DS004399	SCB_DS004399	0.84	86	0.5	87.4	0.25	12.50	0.10	0.21
HUSCB_DS004463	SCB_DS004463	2.51	182	1.4	76.0	0.25	12.20	0.11	0.21
HUSCB_DS004497	SCB_DS004497	3.68	283	1.8	65.5	0.25	12.30	0.11	0.21
HUSCB_DS004570	SCB_DS004570	2.76	303	1.6	78.7	0.25	11.30	0.15	0.22
HUSCB_DS004690	SCB_DS004690	2.46	271	3.3	74.8	0.25	10.20	0.24	0.24
HUSCB_DS004706	SCB_DS004706	2.75	279	1.8	85.5	0.25	10.10	0.24	0.24
HUSCB_DS004707	SCB_DS004707	1.62	167	1.9	72.2	0.25	11.50	0.15	0.22
HUSCB_DS004711	SCB_DS004711	1.79	156	1.6	86.9	0.25	9.80	0.27	0.24
HUSCB_DS004716	SCB_DS004716	2.23	209	1.8	88.7	0.25	7.70	0.57	0.27
HUSCB_DS005077	SCB_DS005077	3.22	227	1.0	87.5	0.25	7.80	0.55	0.27
HUSCB_DS005254	SCB_DS005254	2.38	182	1.3	88.2	0.25	8.20	0.49	0.26
HUSCB_DS005711	SCB_DS005711	1.35	384	0.9	76.0	0.25	12.50	0.10	0.21
HUSCB_DS006027	SCB_DS006027	1.88	185	1.5	87.4	0.25	7.90	0.53	0.27
HUSCB_DS006384	SCB_DS006384	3.48	227	0.7	86.2	0.25	11.30	0.15	0.22
HUSCB_DS006386	SCB_DS006398	3.68	216	0.7	86.6	0.25	11.10	0.16	0.23
HUSCB_DS006390	SCB_DS006390	2.76	226	1.0	82.3	0.25	8.30	0.47	0.26
HUSCB_DS006391	SCB_DS006391	2.96	213	0.8	88.4	0.25	8.70	0.40	0.26
HUSCB_DS006404	SCB_DS006404	3.34	218	0.9	82.2	0.25	8.50	0.43	0.26
HUSCB_DS006405	SCB_DS003835	2.81	194	1.8	75.3	0.25	6.20	1.00	0.29
HUSCB_DS007076	SCB_DS007076	1.78	176	1.3	81.5	0.25	5.90	1.11	0.29
HUSCB_DS007082	SCB_DS007082	1.38	386	1.5	85.2	0.25	12.50	0.10	0.21
HUSCB_DS007083	SCB_DS007083	0.96	378	1.7	90.1	0.25	12.50	0.10	0.21
HUSCB_DS007087	SCB_DS007087	2.08	179	1.6	70.7	0.25	11.90	0.12	0.22
HUSCB_DS007091	SCB_DS007091	2.61	199	0.8	86.0	0.25	7.60	0.60	0.27
HUSCB_DS007094	SCB_DS007094	3.00	219	0.9	92.9	0.25	7.90	0.54	0.27
HUSCB_DS007099	SCB_DS009385	2.65	194	0.9	83.7	0.25	12.50	0.10	0.21
HUSCB_DS007103	SCB_DS007103	1.54	436	1.0	68.3	0.25	12.50	0.10	0.21
HUSCB_DS007108	SCB_DS007108	4.72	333	0.8	88.8	0.25	12.50	0.10	0.21
HUSCB_DS007109	SCB_DS007109	1.07	241	0.8	86.3	0.25	12.50	0.10	0.21
HUSCB_DS007114	SCB_DS007114	2.31	181	1.0	86.1	0.25	7.60	0.61	0.27
HUSCB_DS007115	SCB_DS007115	2.03	169	1.0	84.2	0.25	6.80	0.82	0.28
HUSCB_DS007118	SCB_DS007118	3.00	212	0.9	88.3	0.25	8.90	0.37	0.25
HUSCB_DS007127	SCB_DS007127	1.18	254	0.9	88.4	0.25	12.50	0.10	0.21
HUSCB_DS007128	SCB_DS007128	2.38	201	1.0	75.5	0.25	8.60	0.42	0.26
HUSCB_DS007135	SCB_DS007135	1.61	541	2.2	62.1	0.25	12.50	0.10	0.21
HUSCB_DS007135_1	SCB_DS007134	0.57	65	2.2	95.0	0.25	12.50	0.10	0.21
HUSCB_DS007156	SCB_DS007156	3.62	250	0.9	74.6	0.25	11.60	0.14	0.22
HUSCB_DS007159	SCB_DS007159	9.27	473	0.5	86.1	0.25	12.50	0.10	0.21

Table HE-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUSCB_DS007164	SCB_DS007164	1.89	194	0.3	65.6	0.25	12.50	0.10	0.21
HUSCB_DS007173	SCB_DS007173	3.15	368	0.4	77.5	0.25	12.50	0.10	0.21
HUSCB_DS007178	SCB_DMH00033	12.29	778	1.0	83.3	0.25	10.20	0.24	0.24
HUSCB_DS007179	SCB_DS007179	2.72	272	3.2	83.2	0.26	10.50	0.21	0.24
HUSCB_DS007180	SCB_DS007180	8.09	586	0.9	78.3	0.26	10.40	0.22	0.24
HUSCB_DS007198	SCB_DS007198	2.04	224	1.7	85.7	0.25	7.30	0.66	0.27
HUSCB_DS007202	SCB_DS007202	9.58	742	1.3	79.8	0.25	9.90	0.26	0.24
HUSCB_DS007203	SCB_DS007203	3.95	487	4.5	78.7	0.25	12.50	0.10	0.21
HUSCB_DS007204	SCB_DS007204	1.34	126	1.3	92.0	0.25	10.10	0.24	0.24
HUSCB_DS007215	SCB_DS000353	1.89	142	1.6	75.0	0.26	9.70	0.28	0.24
HUSCB_DS007230	SCB_DS007230	2.60	414	0.7	81.0	0.25	12.50	0.10	0.21
HUSCB_DS007232	SCB_DS007232	3.18	568	1.4	87.5	0.25	12.50	0.10	0.21
HUSCB_DS007234	SCB_DS007234	4.47	915	1.4	71.7	0.25	12.50	0.10	0.21
HUSCB_DS007239	SCB_DS007239	5.57	1102	2.4	84.3	0.25	12.50	0.10	0.21
HUSCB_DS007240	SCB_DS007240	3.57	632	1.0	84.9	0.25	12.50	0.10	0.21
HUSCB_DS007254	SCB_DS004560	7.43	498	0.5	68.2	0.25	12.50	0.10	0.21
HUSCB_DS007292	SCB_DS007292	7.02	491	1.7	78.9	0.25	11.70	0.13	0.22
HUSCB_DS007296	SCB_FDG000114	5.57	457	1.1	76.9	0.25	12.50	0.10	0.21
HUSCB_DS007311	SCB_DS007311	2.24	223	0.3	85.8	0.25	12.50	0.10	0.21
HUSCB_DS007322	SCB_DS007322	2.99	233	1.2	82.3	0.25	6.30	0.98	0.29
HUSCB_DS007325	SCB_DS007325	1.67	305	0.5	75.7	0.25	12.50	0.10	0.21
HUSCB_DS007327	SCB_DS007327	1.19	401	0.8	89.2	0.25	12.50	0.10	0.21
HUSCB_DS007331	SCB_DS007331	2.22	178	1.1	90.1	0.25	8.10	0.50	0.26
HUSCB_DS007333	SCB_DS007333	1.34	161	0.2	75.8	0.25	12.50	0.10	0.21
HUSCB_DS007334	SCB_DS007334	2.49	178	0.8	93.0	0.25	7.40	0.65	0.27
HUSCB_DS007335	SCB_DS007335	3.84	273	0.8	81.3	0.25	8.50	0.44	0.26
HUSCB_DS007336	SCB_DS007336	1.76	147	1.1	81.2	0.25	9.10	0.35	0.25
HUSCB_DS007338	SCB_DS007338	1.62	272	0.6	66.1	0.25	12.50	0.10	0.21
HUSCB_DS007340	SCB_DS007340	2.28	153	0.8	84.2	0.25	7.40	0.65	0.27
HUSCB_DS007342	SCB_DS007342	2.48	182	1.1	88.5	0.25	8.20	0.48	0.26
HUSCB_DS008172	SCB_DS008172	1.99	399	3.5	79.7	0.25	12.50	0.10	0.21
HUSCB_DS009386	SCB-DS009386	3.69	1058	0.3	70.1	0.25	12.50	0.10	0.21
HUSCB_DS009392	SCB_DS009392	2.53	186	0.8	89.5	0.25	9.40	0.31	0.25
HUSCB_DS009564	SCB_DS009564	6.52	596	1.1	80.2	0.25	9.50	0.30	0.25

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_AGE999075	944,146	603,712	-5.0	1.7	Storage
BC_AGE999076	943,170	603,495	-5.0	3.1	Storage
BC_AGE999077	944,194	605,049	-5.0	4.0	Storage
BC_AGE999078	943,647	604,875	-5.0	2.9	Storage
BC_AGE999080	941,379	605,461	-5.0	0.4	Storage
BC_AGE999085	935,820	603,019	-5.0	6.9	Storage
BC_AGE999090	939,379	624,667	-5.0	-0.9	Storage
BC_AGE999091	941,315	625,408	-5.0	1.0	Storage
BC_AGE999094	935,693	620,314	-5.0	9.0	Storage
BC_AGE999095	937,390	619,842	-5.0	7.2	Storage
BC_AGE999096	935,381	619,103	-5.0	8.7	Storage
BC_AGE999097	937,338	622,352	-5.0	8.0	Storage
BC_AGE999098	936,275	622,140	-5.0	8.3	Storage
BC_AGE999099	938,728	623,647	-5.0	1.6	Storage
BC_AGE999100	940,748	619,557	-5.0	0.2	Storage
BC_AGE999101	941,042	620,531	-5.0	-0.3	Storage
BC_AGE999102	940,211	620,320	-5.0	3.4	Storage
BC_AGE999103	939,214	619,335	-5.0	2.4	Storage
BC_AGE999104	944,930	604,595	-5.0	3.5	Storage
BC_AGE999105	942,401	604,720	-5.0	3.2	Storage
BC_AGE999107	942,034	604,072	3.4	3.8	Junction
BC_AGE999128	940,564	618,988	-2.6	4.2	Junction
BC_AGE999129	940,818	618,998	-2.5	2.9	Junction
BC_AGE999130	941,010	619,010	-2.6	2.2	Junction
BC_AGE999131	941,623	619,031	0.0	1.7	Storage
BC_AGE999133	940,378	620,608	-5.0	-0.8	Storage
BC_AGE999134	941,760	619,759	-3.0	-1.9	Junction
BC_AGE999135	941,718	620,964	-2.9	-1.9	Junction
BC_AGE999136	942,867	621,045	-5.0	0.3	
BC_AGE999137	940,526	620,979	-2.0	-0.7	Junction
BC_AGE999138	939,978	625,621	2.7	2.8	Junction
BC_CDW98901	943,837	603,118	-14.0	-3.0	Junction
BC_CDW98902	943,818	604,332	-13.9	-3.0	Junction
BC_CDW98903	943,836	604,433	-20.0	-3.0	Storage
BC_CDW98904	943,384	602,767	-13.9	-3.0	Junction
BC_CDW98905	943,239	602,704	-20.0	-3.0	Storage
BC_CDW98906	942,121	604,871	-13.9	-3.0	Junction
BC_CDW98907	942,115	605,006	-20.0	-3.0	Storage
BC_CICW98056	945,345	605,727	-14.0	-3.0	Junction
BC_CICW98057	945,203	603,941	-14.0	-3.0	Junction
BC_CICW98058	944,759	602,828	-20.0	-3.0	Storage
BC_CICW98059	944,700	601,830	-14.0	-3.0	Junction
BC_CICW98060	944,694	601,582	-13.9	-3.0	Junction
BC_DMH000159	935,714	618,776	1.5	10.1	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_DMH000165	936,739	618,807	2.7	8.9	Junction
BC_DMH000320	932,797	605,210	-0.7	12.2	Junction
BC_DMH000323	933,452	605,235	0.0	11.1	Junction
BC_DMH000326	945,479	601,672	-3.6	3.6	Junction
BC_DMH000354	940,917	620,529	-3.8	4.5	Junction
BC_DMH000357	941,298	620,374	-2.5	5.6	Junction
BC_DMH000455	935,215	618,766	0.1	10.0	Junction
BC_DMH000456	934,970	618,757	-0.2	11.7	Junction
BC_DMH000514	945,401	601,711	-4.1	5.4	Junction
BC_DMH000515	945,397	601,682	-3.8	5.2	Junction
BC_DS001642	933,046	605,213	-0.4	10.3	Junction
BC_DS001648	933,724	605,238	0.3	10.4	Junction
BC_DS001700	941,316	620,278	-2.0	3.1	Junction
BC_DS001704	941,322	620,537	-2.8	4.5	Junction
BC_DS001812	935,129	605,266	2.0	8.1	Junction
BC_DS001819	934,794	605,278	1.5	7.1	Junction
BC_DS001822	934,475	605,265	1.5	8.5	Junction
BC_DS001828	934,148	605,254	-5.0	7.6	Storage
BC_DS002651	947,573	626,774	-5.0	2.3	Storage
BC_DS003964	935,402	605,311	2.0	7.2	Junction
BC_DS004561	945,518	601,668	-3.3	1.6	Junction
BC_DS005469	935,731	618,809	-5.0	8.6	Storage
BC_DS005476	936,760	618,837	-5.0	7.9	Storage
BC_DS005978	935,200	618,796	0.0	9.3	Storage
BC_DS005989	937,147	618,845	-5.0	7.1	Storage
BC_DS007171	937,062	605,365	-3.5	5.3	Junction
BC_DS007183	937,510	618,869	-0.9	7.9	Junction
BC_DS007184	937,769	618,877	-5.0	7.0	Storage
BC_DS007289	937,684	605,394	-4.0	4.1	Junction
BC_DS007297	944,865	601,665	-5.0	3.9	Junction
BC_DS007301	945,384	601,612	-5.0	2.3	Storage
BC_DS007306	936,454	605,343	-2.0	6.5	Junction
BC_DS008454	938,139	618,881	0.5	5.1	Junction
BC_DS008458	938,637	618,928	-5.0	1.4	Storage
BC_NID09849	939,116	605,473	-5.0	2.6	Storage
BC_NID10033	938,754	618,930	-5.0	1.5	Junction
BC_NID10035	938,977	618,940	-5.0	1.9	Junction
BC_NID10036	939,275	618,940	-5.0	1.8	Junction
BC_NID10037	939,526	618,951	-5.0	1.6	Junction
BC_NID10038	939,608	618,954	-5.0	1.6	Junction
BC_NID10039	939,807	618,954	-5.0	1.7	Junction
BC_NID10040	939,972	618,961	-5.0	1.5	Junction
BC_NID10041	940,096	618,970	-5.0	1.6	Junction
BC_NID10043	940,343	618,990	-5.0	1.3	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_NID12410	945,460	601,415	-5.0	2.6	Storage
HA_DS000576	940,412	605,491	-3.3	0.8	Junction
HA_DS010016	940,391	605,522	-3.2	0.5	Junction
HA_NE04C069	938,566	605,439	-0.5	3.0	Junction
HA_NE04C071	938,423	605,435	-5.0	3.1	Storage
HA_NE04C073	938,427	605,303	-0.8	3.5	Junction
HA_NE04C074	938,430	605,157	-1.0	3.3	Junction
HA_NE04C076	938,463	604,866	-0.5	3.4	Junction
HA_NE04C077	938,439	604,865	-0.6	3.2	Junction
HA_NE04C079	938,478	604,962	-0.6	3.3	Junction
HA_NE04C082	938,433	605,095	-1.0	3.4	Junction
HA_NE04C083	938,469	605,112	-1.1	3.1	Junction
HA_NE04C084	938,484	605,114	-1.2	2.8	Junction
HA_NE04C085	938,694	605,123	-1.4	2.8	Junction
HA_NE04C086	938,767	605,127	-1.5	2.8	Junction
HA_NE04C089	938,759	605,155	-1.5	2.8	Junction
HA_NE04C090	938,848	605,158	-1.7	2.8	Junction
HA_NE04C092	939,035	605,167	-2.0	2.3	Junction
HA_NE04C093	939,094	605,138	-1.8	2.6	Junction
HA_NE04C094	939,128	605,142	-1.9	2.2	Junction
HA_NE04C095	939,248	605,147	-2.3	2.3	Junction
HA_NE04C096	939,246	605,176	-2.3	1.9	Junction
HA_NE04C097	939,325	605,149	-2.5	2.3	Junction
HA_NE04C098	939,499	605,159	-2.7	2.1	Junction
HA_NE04C099	939,709	605,162	-2.8	1.8	Junction
HA_NE04C100	939,393	605,185	-2.5	2.2	Junction
HA_NE04C101	939,551	605,191	-2.7	1.9	Junction
HA_NE04C102	939,701	605,194	-5.0	1.4	Storage
HA_NE04C106	939,749	605,320	-2.7	1.7	Junction
HA_NE04C107	939,778	605,303	-2.8	1.8	Junction
HA_NE04C108	939,782	605,196	-3.0	1.6	Junction
HA_NE04C111	939,754	605,017	-3.0	1.6	Junction
HA_NE04C112	939,786	605,004	-3.2	1.6	Junction
HA_NE04C113	939,792	604,875	-3.4	2.0	Junction
HA_NE04C114	939,838	604,877	-3.5	2.2	Junction
HA_NE04C116	940,374	604,900	-8.0	2.3	Junction
HA_NE04C118	940,417	605,316	-3.5	2.6	Junction
HA_NE04C119	940,421	605,192	-3.7	3.1	Junction
HA_NE04C121	940,261	604,968	-3.7	3.1	Junction
HA_NE04C122	940,478	604,903	-10.0	2.3	Storage
HA_NE04C123	940,679	604,912	-4.4	2.4	Junction
HA_NE04C124	940,891	604,920	-4.5	3.0	Junction
HA_NE04C125	941,285	604,944	-4.7	2.9	Junction
HA_NE04C126	941,642	604,952	-5.0	2.2	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HA_NE04C128	941,798	605,391	-5.0	1.9	Storage
HA_NE04C129	941,808	605,154	0.0	2.3	Junction
HA_NE04C130	941,809	604,960	-5.4	3.4	Junction
HA_NE04M131	941,830	604,961	-5.5	3.7	Junction
HA_NE28C004	938,043	604,751	-6.0	4.1	Junction
HA_NE28C010	938,796	604,779	-7.0	3.3	Junction
HA_NE28C011	939,097	604,788	-7.5	3.2	Junction
HA_NE28C039	939,426	604,803	-8.0	2.7	Junction
HA_NE28C044	939,791	605,195	-1.5	2.0	Junction
HA_NE28C045	939,796	605,019	-1.6	2.0	Junction
HA_NE28C047	939,803	604,861	-1.8	2.8	Junction
HA_NE28C053	940,099	604,832	-10.0	2.2	Storage
HA_NE28C056	940,874	604,866	-9.2	2.6	Junction
HA_NE28C057	941,232	604,883	-9.4	2.9	Junction
HA_NE28C058	941,475	604,891	-10.0	2.9	Storage
HA_NE28C059	941,633	604,898	-9.6	2.9	Junction
HA_NE28C081	938,437	604,963	-0.8	3.3	Junction
HA_NE28M009	938,475	604,770	-6.5	4.0	Junction
HA_NE28M054	940,429	604,847	-9.0	2.8	Junction
HA_NE28M063	941,832	604,906	-9.8	3.6	Junction
HA_NE30C002	939,116	605,449	-1.5	2.0	Junction
HA_NE30C005	939,117	605,299	-1.7	2.3	Junction
HA_NE30C010	939,131	605,115	-1.9	2.4	Junction
HA_NE30M012	939,099	604,836	-2.4	3.1	Junction
HA_NID110	938,057	604,794	-0.5	3.4	Junction
HA_NID111	937,755	604,729	-5.5	4.8	Junction
HA_NID125	937,698	604,730	-5.0	4.4	Storage
HA_NID127	939,824	604,821	-8.5	3.2	Junction
HA_NID129	939,124	605,115	-2.0	2.3	Junction
HA_NID131	940,428	604,976	-3.9	2.6	Junction
HA_NID132	940,451	604,563	-5.0	3.5	Storage
HA_NID15	938,583	605,120	-1.3	2.9	Junction
HA_NID16	939,824	605,296	-2.8	2.6	Junction
HA_NID17	939,852	604,951	-3.3	2.7	Junction
HA_NID18	940,026	604,959	-3.5	2.5	Junction
HA_NID19	940,430	604,902	-8.1	2.6	Junction
HA_NID20	940,010	605,301	-3.0	2.9	Junction
HA_NID21	940,247	605,309	-3.3	3.1	Junction
HA_NID24	940,528	605,095	-2.5	3.0	Junction
HA_NID29	940,498	605,253	-2.8	2.8	Junction
HA_NID30	940,498	605,466	-3.0	2.3	Junction
HG_AGE999031	935,757	608,396	-5.0	7.0	Storage
HG_AGE999032	934,400	606,120	-5.0	7.2	Storage
HG_AGE999038	935,872	605,685	-5.0	5.7	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HG_AGE999039	933,419	605,889	-5.0	10.1	Storage
HG_AGE999042	933,603	610,146	-5.0	9.8	Storage
HG_AGE999048	934,710	607,174	-5.0	7.8	Storage
HG_AGE999052	935,072	606,857	-5.0	7.2	Storage
HG_DMH000322	933,800	605,299	0.4	9.9	Junction
HG_DMH000516	935,131	605,354	1.6	7.7	Junction
HG_DMH000517	934,480	605,326	1.0	8.5	Junction
HG_DS000515	934,660	610,255	-5.0	8.9	Storage
HG_DS000567	933,371	606,965	-5.0	7.9	Storage
HG_DS000928	933,848	610,608	5.1	9.9	Junction
HG_DS001539	935,369	605,696	-5.0	6.4	Storage
HG_DS001572	935,477	606,532	-5.0	6.8	Storage
HG_DS001578	935,557	607,006	-5.0	6.0	Storage
HG_DS001581	933,357	607,283	-5.0	9.1	Storage
HG_DS001599	935,329	606,246	-5.0	6.0	Storage
HG_DS001601	935,327	606,277	4.5	5.8	Junction
HG_DS001612	935,111	605,921	-5.0	6.3	Storage
HG_DS001613	933,394	605,458	-5.0	10.1	Storage
HG_DS001614	935,087	606,140	4.2	6.3	Junction
HG_DS001634	935,086	605,524	-5.0	6.6	Storage
HG_DS001641	933,048	605,277	0.0	10.1	Junction
HG_DS001708	935,086	607,973	-5.0	7.2	Storage
HG_DS001817	934,808	605,341	1.3	7.1	Junction
HG_DS001825	935,737	605,495	4.0	7.5	Junction
HG_DS001826	935,778	605,497	-5.0	7.5	Storage
HG_DS001829	934,139	605,317	-5.0	7.7	Storage
HG_DS001834	934,069	606,967	-5.0	7.2	Storage
HG_DS003030	933,882	610,608	5.0	9.9	Junction
HG_DS003342	935,399	610,670	-5.0	9.2	Storage
HG_DS003687	934,350	605,820	-5.0	6.9	Storage
HG_DS003851	934,760	608,464	-5.0	7.4	Storage
HG_DS003856	935,522	608,010	4.1	7.6	Junction
HG_DS003857	935,459	608,005	4.0	7.6	Junction
HG_DS003858	935,394	608,002	4.1	7.7	Junction
HG_DS003861	933,972	608,187	-5.0	7.6	Storage
HG_DS003863	935,086	606,266	4.1	6.5	Junction
HG_DS003879	935,208	607,994	4.2	7.6	Junction
HG_DS003880	935,086	607,990	4.3	7.7	Junction
HG_DS003965	935,400	605,373	-5.0	7.0	Storage
HG_DS003966	935,589	610,682	5.0	10.0	Junction
HG_DS003967	935,611	610,668	4.8	11.0	Junction
HG_DS003968	935,541	610,683	5.5	8.1	Junction
HG_DS004287	935,701	610,036	4.0	7.9	Junction
HG_DS004290	934,090	606,089	-5.0	7.2	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HG_DS004425	935,727	609,586	4.0	7.8	Junction
HG_DS004441	935,717	609,734	-5.0	7.6	Storage
HG_DS004447	935,633	609,433	4.4	8.3	Junction
HG_DS004453	935,645	608,060	4.3	8.1	Junction
HG_DS004454	935,682	608,074	4.4	8.1	Junction
HG_DS004467	935,643	609,072	4.7	8.4	Junction
HG_DS004470	933,379	607,616	-5.0	8.9	Storage
HG_DS004475	935,657	608,631	4.7	8.6	Junction
HG_DS004493	935,623	608,465	5.0	8.2	Junction
HG_DS004494	935,668	608,467	4.5	8.3	Junction
HG_DS004498	935,645	608,013	4.2	8.1	Junction
HG_DS004513	933,407	606,590	-5.0	8.0	Storage
HG_DS004514	933,714	606,428	-5.0	7.8	Storage
HG_DS004515	934,390	606,489	-5.0	6.8	Storage
HG_DS004534	935,080	606,483	4.0	6.4	Junction
HG_DS004537	935,079	606,516	-5.0	6.4	Storage
HG_DS004539	934,735	606,470	-5.0	6.8	Storage
HG_DS004544	934,082	606,434	-5.0	7.0	Storage
HG_DS004618	935,741	609,443	4.0	7.6	Junction
HG_DS004623	935,635	609,367	4.5	8.7	Junction
HG_DS004625	935,599	609,246	5.0	8.1	Junction
HG_DS004626	935,636	609,245	4.5	8.3	Junction
HG_DS004633	935,616	608,828	5.0	8.2	Junction
HG_DS004634	935,651	608,827	-5.0	8.2	Storage
HG_DS004637	935,677	608,215	4.5	8.2	Junction
HG_DS004638	935,624	608,213	5.0	7.8	Junction
HG_DS004641	935,615	609,851	4.3	8.0	Junction
HG_DS004701	934,446	605,456	7.8	7.3	Junction
HG_DS004719	935,583	610,281	4.0	8.8	Junction
HG_DS004720	935,600	610,262	4.1	9.1	Junction
HG_DS004721	935,599	610,306	6.3	8.5	Junction
HG_DS004724	935,592	610,506	5.8	8.6	Junction
HG_DS004766	935,609	610,021	-5.0	8.4	Storage
HG_DS005659	933,348	608,385	-5.0	9.3	Storage
HG_DS005825	934,483	609,355	-5.0	7.1	Storage
HG_DS005887	933,937	609,111	-5.0	7.7	Storage
HG_DS007508	934,830	610,033	-5.0	7.1	Storage
HG_DS008140	934,295	608,863	-5.0	7.9	Storage
HG_DS008833	935,125	609,133	-5.0	7.3	Storage
HG_DS009059	934,096	606,478	-5.0	7.0	Storage
HG_DS009064	933,355	608,864	-5.0	8.9	Storage
HG_DS009353	933,661	610,427	-5.0	10.0	Storage
HG_FDG000115	934,565	605,325	1.1	8.8	Junction
HL_AGE999001	944,088	612,699	0.0	2.1	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_AGE999002	943,510	609,399	0.0	3.3	Storage
HL_AGE999003	945,365	608,294	0.0	3.9	Storage
HL_AGE999004	945,156	608,115	0.0	3.1	Storage
HL_AGE999005	945,655	611,055	-5.0	0.8	Junction
HL_AGE999006	942,074	608,154	0.0	3.1	Storage
HL_AGE999007	941,774	608,096	0.0	3.4	Storage
HL_AGE999008	941,903	606,854	0.0	3.7	Storage
HL_AGE999009	941,958	605,658	0.0	3.5	Storage
HL_AGE999010	942,085	613,674	1.8	1.9	Junction
HL_AGE999011	942,080	614,362	3.0	2.8	Junction
HL_AGE999012	942,121	615,134	-5.0	1.0	Storage
HL_AGE999013	942,480	618,534	-4.0	1.4	Junction
HL_AGE999014	942,112	614,289	2.9	3.0	Junction
HL_AGE999022	940,971	605,601	-5.0	2.0	Storage
HL_AGE999027	938,188	616,906	-5.0	5.4	Storage
HL_AGE999028	938,212	617,029	-5.0	4.2	Storage
HL_AGE999033	938,850	618,209	-5.0	1.7	Storage
HL_AGE999034	939,026	607,519	-5.0	3.6	Storage
HL_AGE999036	941,342	616,260	-5.0	2.5	Storage
HL_AGE999037	938,978	608,006	-5.0	3.6	Storage
HL_AGE999046	939,584	610,207	-5.0	3.3	Storage
HL_AGE999047	938,972	608,499	-5.0	3.7	Storage
HL_AGE999049	938,340	607,838	-5.0	4.6	Storage
HL_AGE999053	940,285	608,897	-5.0	2.3	Storage
HL_AGE999062	940,249	609,878	-5.0	1.6	Storage
HL_AGE999065	939,608	606,835	-5.0	2.0	Storage
HL_AGE999067	938,933	609,846	-5.0	4.1	Storage
HL_AGE999068	939,660	606,351	-5.0	1.9	Storage
HL_AGE999069	939,684	607,517	-5.0	3.0	Storage
HL_AGE999070	938,982	609,200	-5.0	4.2	Storage
HL_AGE999071	939,630	608,966	-5.0	3.3	Storage
HL_AGE999072	940,256	609,559	-5.0	1.9	Storage
HL_AGE999073	941,582	618,279	-5.0	1.3	Storage
HL_AGE999074	939,607	609,527	-5.0	3.5	Storage
HL_AGE999108	940,180	614,739	-2.9	2.5	Junction
HL_AGE999109	944,073	613,726	-5.0	1.7	Storage
HL_AGE999110	941,424	614,511	-2.6	0.0	Junction
HL_AGE999111	940,783	614,980	-3.7	0.9	Junction
HL_AGE999112	941,031	614,993	-3.6	2.3	Junction
HL_AGE999113	941,098	615,577	-5.0	0.5	Storage
HL_AGE999114	941,342	616,320	-5.0	1.1	Storage
HL_AGE999115	941,401	616,701	-3.9	2.0	Junction
HL_AGE999116	941,401	616,766	-4.0	1.1	Junction
HL_AGE999117	941,018	617,558	-5.0	0.9	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_AGE999118	940,851	616,251	-2.1	3.5	Junction
HL_AGE999119	940,857	616,283	-2.2	3.4	Junction
HL_AGE999120	940,627	617,673	2.1	2.0	Junction
HL_AGE999132	940,173	618,766	-1.0	2.7	Junction
HL_CDW98908	942,039	606,915	-20.0	-3.0	Storage
HL_CDW98909	942,910	606,959	-20.0	-3.0	Storage
HL_CDW98910	943,878	606,310	-20.0	-3.0	Storage
HL_CDW98911	943,874	606,413	-13.9	-3.0	Junction
HL_CDW98912	943,814	606,983	-20.0	-3.0	Storage
HL_CDW98913	943,019	606,960	-13.9	-3.0	Junction
HL_CDW98914	941,939	608,079	-20.0	-3.0	Storage
HL_CDW98915	943,075	608,135	-20.0	-2.7	Storage
HL_CDW98916	943,395	608,140	-13.9	-3.0	Junction
HL_CDW98917	944,361	607,050	-20.0	-3.0	Storage
HL_CDW98918	944,799	608,096	-14.0	-3.0	Junction
HL_CICW98032	945,997	618,960	-16.0	-3.0	Junction
HL_CICW98033	946,000	618,321	-20.0	-3.0	Storage
HL_CICW98034	946,114	616,043	-16.0	-3.0	Junction
HL_CICW98038	945,914	613,787	-20.0	-3.0	Storage
HL_CICW98039	945,905	613,426	-15.7	-3.0	Junction
HL_CICW98040	945,823	612,506	-14.5	-3.0	Junction
HL_CICW98044	945,785	611,887	-15.3	-3.0	Junction
HL_CICW98045	945,777	611,182	-15.1	-3.0	Junction
HL_CICW98046	945,778	611,037	-15.0	-3.0	Junction
HL_CICW98047	945,740	610,371	-15.0	-3.0	Junction
HL_CICW98050	945,672	609,708	-38.0	-3.0	Junction
HL_CICW98053	945,582	608,741	-20.0	-3.0	Junction
HL_CICW98055	945,526	608,020	-20.0	-3.0	Storage
HL_CNL98041	944,151	612,426	-6.4	-3.0	Junction
HL_CNL98042	941,773	612,313	-20.0	-3.0	Storage
HL_CNL98141	944,716	612,453	-7.0	-3.0	Junction
HL_CNL98142	943,220	612,382	-7.1	-3.0	Junction
HL_CSL98051	944,259	609,652	-32.0	-3.0	Junction
HL_CSL98052	941,920	609,560	-20.0	-3.0	Storage
HL_CSL98152	943,178	609,612	-17.0	-3.0	Junction
HL_CSL98252	943,311	609,617	-15.0	-3.0	Junction
HL_CWL98100	944,112	616,691	-3.9	-3.0	Junction
HL_CWL98101	944,034	617,716	-3.0	-3.0	Junction
HL_CWL98105	945,745	618,557	-10.0	0.4	Storage
HL_CWL98109	943,528	615,089	-10.0	-3.0	Storage
HL_CWL98110	943,765	614,168	-4.0	-3.0	Junction
HL_CWL98120	944,906	614,133	-10.0	-3.0	Junction
HL_CWL98145	942,535	616,695	-2.0	0.3	Junction
HL_CWL98150	942,535	617,696	-3.1	-0.6	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_CWL98155	942,368	617,694	-3.0	1.7	Junction
HL_DG009297	941,663	618,279	-1.9	4.1	Junction
HL_DG009298a	941,920	618,302	-2.0	2.8	Junction
HL_DG009298b	941,983	618,305	-2.0	0.8	Junction
HL_DG009299	942,214	618,301	-5.0	1.2	Junction
HL_DMH000107	939,762	616,196	-3.0	2.9	Junction
HL_DMH000108	939,504	616,089	-1.5	4.5	Junction
HL_DMH000167	942,496	618,663	0.4	6.2	Junction
HL_DMH000168	942,500	618,508	0.2	4.9	Junction
HL_DMH000172	937,808	617,982	0.8	7.1	Junction
HL_DMH000176	940,252	618,275	-4.0	3.6	Junction
HL_DMH000201	945,655	611,156	-3.2	0.5	Junction
HL_DMH000202	939,771	610,887	-3.0	3.9	Junction
HL_DMH000212	937,568	615,178	2.0	6.0	Junction
HL_DMH000213	938,045	615,192	5.8	5.6	Junction
HL_DMH000219	937,676	614,830	-1.2	5.9	Junction
HL_DMH000221	939,031	616,858	-2.0	2.7	Junction
HL_DMH000229	943,922	613,085	-1.8	1.6	Junction
HL_DMH000230	942,509	613,188	-5.0	1.1	Storage
HL_DMH000233	940,921	613,604	-8.7	2.1	Junction
HL_DMH000234	944,096	613,561	-1.5	1.6	Junction
HL_DMH000235	942,496	613,507	-5.0	1.2	Storage
HL_DMH000236	943,297	613,532	-2.5	1.7	Junction
HL_DMH000237	941,706	613,627	-10.0	1.7	Storage
HL_DMH000238	937,865	613,509	0.7	5.6	Junction
HL_DMH000239	937,595	613,504	-5.0	5.6	Storage
HL_DMH000242	943,307	613,208	-2.5	1.4	Junction
HL_DMH000246	937,620	612,498	0.6	6.7	Junction
HL_DMH000247	937,585	612,494	-0.1	7.0	Junction
HL_DMH000250	941,784	611,837	-3.5	1.8	Junction
HL_DMH000251	941,442	611,962	-9.0	1.9	Junction
HL_DMH000254	939,122	610,863	-1.5	5.1	Junction
HL_DMH000259	941,031	611,607	-2.8	1.3	Junction
HL_DMH000260	940,981	611,606	-3.3	1.4	Junction
HL_DMH000262	940,660	610,918	-4.5	3.2	Junction
HL_DMH000263	937,660	611,484	1.5	5.8	Junction
HL_DMH000264	945,032	611,119	-4.4	0.9	Junction
HL_DMH000265	941,032	611,116	-6.0	1.8	Junction
HL_DMH000266	941,041	610,933	-5.0	3.2	Junction
HL_DMH000267	941,039	610,978	-5.0	1.8	Storage
HL_DMH000268	940,959	610,929	-4.8	3.1	Junction
HL_DMH000270	940,569	611,591	-2.8	1.3	Junction
HL_DMH000271	941,023	611,297	-8.3	1.7	Junction
HL_DMH000274	940,156	610,898	-3.8	3.3	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DMH000276	940,022	610,892	-3.5	3.2	Junction
HL_DMH000277	939,544	610,878	-2.5	4.2	Junction
HL_DMH000281	938,394	610,467	-1.0	4.8	Junction
HL_DMH000282	943,415	610,147	-3.7	0.9	Junction
HL_DMH000285	945,649	610,729	-3.5	-0.2	Junction
HL_DMH000287	941,841	610,445	-5.0	1.5	Junction
HL_DMH000289	941,848	610,268	-5.4	1.4	Junction
HL_DMH000296	944,209	610,367	-4.9	1.3	Junction
HL_DMH000297	944,208	610,394	-4.0	0.6	Junction
HL_DMH000299	943,793	610,354	-4.5	1.5	Junction
HL_DMH000302	943,487	608,345	-4.5	1.9	Junction
HL_DMH000303	943,825	607,967	-2.0	5.4	Junction
HL_DMH000306	944,902	608,394	-4.1	1.8	Junction
HL_DMH000307	944,408	608,377	-5.0	2.2	Storage
HL_DMH000309	944,329	607,711	0.0	4.9	Junction
HL_DMH000311	943,471	608,821	-2.0	1.5	Junction
HL_DMH000314	944,275	608,525	-4.0	1.7	Junction
HL_DMH000315	942,653	608,467	-5.0	1.9	Storage
HL_DMH000340	937,764	608,130	-1.0	5.4	Junction
HL_DMH000345	937,570	614,179	0.7	5.9	Junction
HL_DMH000372	944,281	608,373	-4.5	2.4	Junction
HL_DMH000374	943,230	608,137	-9.1	5.5	Junction
HL_DMH000375	943,669	607,959	-3.0	4.6	Junction
HL_DMH000376	943,964	607,729	-0.5	4.8	Junction
HL_DMH000378	943,895	607,365	0.0	4.9	Junction
HL_DMH000386	937,656	610,149	0.2	6.2	Junction
HL_DMH000402	938,069	617,990	-5.0	6.5	Storage
HL_DMH000404	940,204	614,915	-3.1	2.4	Junction
HL_DMH000405	940,489	614,921	-3.4	2.6	Junction
HL_DMH000407	939,840	616,249	-2.4	2.9	Junction
HL_DMH000408	940,101	616,260	-2.0	3.3	Junction
HL_DMH000409	940,141	616,260	-1.8	3.5	Junction
HL_DMH000410	939,838	616,206	-3.1	2.6	Junction
HL_DMH000412	939,226	616,863	-3.6	2.7	Junction
HL_DMH000423	937,859	612,507	0.8	5.9	Junction
HL_DMH000437	940,219	611,263	-8.1	1.9	Junction
HL_DMH000438	937,867	611,172	-4.0	6.3	Junction
HL_DMH000439	937,894	611,179	0.0	6.6	Junction
HL_DMH000442	938,039	610,892	0.0	6.2	Junction
HL_DMH000443	938,387	610,784	-5.0	5.2	Storage
HL_DMH000448	939,349	610,871	-2.0	4.7	Junction
HL_DMH000449	938,889	610,852	-1.0	5.7	Junction
HL_DMH000453	938,058	612,514	1.0	5.4	Junction
HL_DMH000462	937,507	618,808	0.0	8.1	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DMH000468	937,547	617,975	1.4	7.3	Junction
HL_DMH000491	942,969	606,372	-2.5	5.4	Junction
HL_DMH000492	942,844	606,364	-2.0	5.4	Junction
HL_DMH000493	942,762	606,626	0.0	4.5	Junction
HL_DMH000494	942,752	606,763	0.0	4.9	Junction
HL_DMH000495	942,641	606,356	-1.0	5.1	Junction
HL_DMH000496	942,821	606,362	-1.9	5.3	Junction
HL_DMH000497	942,391	606,403	0.0	4.8	Junction
HL_DMH000498	942,618	606,355	-0.9	5.3	Junction
HL_DMH000499	942,405	606,343	0.0	5.3	Junction
HL_DMH000500	942,599	606,460	0.0	4.7	Junction
HL_DMH000501	942,394	606,239	0.0	4.6	Junction
HL_DMH000502	942,619	606,233	0.0	4.8	Junction
HL_DMH000503	942,429	606,347	0.0	5.3	Junction
HL_DMH000504	942,350	605,822	0.0	4.5	Junction
HL_DMH000505	942,358	605,735	0.0	5.1	Junction
HL_DMH000506	942,349	605,943	0.0	5.0	Junction
HL_DMH000522	937,854	612,844	1.0	5.6	Junction
HL_DMH000523	938,048	612,851	1.2	5.2	Junction
HL_DMH000524	937,616	612,837	0.7	6.3	Junction
HL_DMH000535	942,502	618,309	-0.5	5.7	Junction
HL_DMH000536	942,489	618,230	-10.0	4.8	Storage
HL_DMH000554	942,891	615,552	-2.3	5.2	Junction
HL_DMH000562	940,848	614,932	-3.2	2.2	Junction
HL_DMH000563	940,265	610,902	-4.0	3.4	Junction
HL_DMH000836	939,422	616,874	-4.1	2.0	Junction
HL_DMH000837	941,401	611,622	-5.0	1.2	Storage
HL_DMH000838	945,312	611,456	-3.2	0.6	Junction
HL_DMH000840	940,714	613,598	-8.7	2.0	Junction
HL_DMH000841	944,159	611,721	-4.7	0.8	Junction
HL_DMH000842	942,545	611,874	-4.4	1.3	Junction
HL_DMH000843	941,746	611,861	-3.0	1.8	Junction
HL_DMH000844	944,744	611,743	-4.9	0.4	Junction
HL_DMH000845	944,442	611,732	-5.1	0.7	Junction
HL_DMH000846	942,562	611,355	-4.4	0.8	Junction
HL_DMH000847	943,740	611,707	-4.7	0.4	Junction
HL_DMH000848	941,093	611,610	-2.9	1.2	Junction
HL_DMH000850	943,363	611,693	-5.0	0.8	Storage
HL_DMH000852	940,889	611,602	-5.0	1.1	Storage
HL_DMH000853	943,063	611,682	-5.1	0.7	Junction
HL_DMH000854	944,561	611,430	-3.2	0.8	Junction
HL_DMH000856	942,765	611,671	-4.9	0.9	Junction
HL_DMH000858	942,300	611,654	-4.5	0.8	Junction
HL_DMH000859	941,941	611,641	-4.8	0.9	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DMH000860	941,801	611,635	-5.0	1.1	Storage
HL_DMH000861	941,741	611,633	-4.3	1.0	Junction
HL_DMH000871	944,797	606,619	-0.5	4.9	Junction
HL_DMH000872	940,404	605,856	-5.8	1.5	Junction
HL_DMH000883	945,041	606,633	-3.2	5.1	Junction
HL_DMH000885	944,536	606,409	-5.0	4.8	Storage
HL_DMH000886	944,641	606,379	-2.0	4.7	Junction
HL_DMH000887	944,703	606,406	-1.5	4.3	Junction
HL_DMH000888	944,964	606,405	-3.5	4.1	Junction
HL_DMH000889	944,976	606,399	0.0	4.7	Junction
HL_DMH000890	944,589	606,383	-2.5	4.9	Junction
HL_DMH000891	944,886	606,272	-3.7	5.3	Junction
HL_DMH000892	945,070	605,894	0.0	5.3	Junction
HL_DMH000893	944,737	605,977	0.0	5.2	Junction
HL_DMH000894	944,764	607,244	-1.4	3.4	Junction
HL_DMH000901	945,143	606,992	-2.6	4.8	Junction
HL_DMH000902	944,760	606,875	0.0	5.2	Junction
HL_DMH000903	945,165	606,906	-2.8	4.6	Junction
HL_DMH000904	944,407	606,818	0.0	5.3	Junction
HL_DMH000905	944,345	606,826	0.0	5.1	Junction
HL_DMH000906	944,490	606,790	0.0	5.0	Junction
HL_DMH000907	944,701	606,817	0.0	4.7	Junction
HL_DMH000908	944,567	606,778	0.0	4.6	Junction
HL_DMH000910	943,643	606,507	-1.0	5.1	Junction
HL_DMH000921	941,088	616,332	-4.2	3.2	Junction
HL_DMH000928	944,886	607,156	-2.0	4.8	Junction
HL_DMH000929	945,084	607,078	-2.4	4.5	Junction
HL_DMH000930	943,346	606,426	-5.0	4.7	Storage
HL_DMH000942	942,502	618,326	-0.5	5.8	Junction
HL_DMH001415	941,469	612,044	-3.7	2.9	Junction
HL_DMH001416	941,799	611,470	-3.7	1.2	Junction
HL_DMH001417	941,797	611,495	-3.7	1.1	Junction
HL_DMH001419	941,793	611,604	-3.8	1.0	Junction
HL_DMH001421	943,358	611,552	-2.8	0.4	Junction
HL_DMH001422	937,632	618,244	1.7	7.7	Junction
HL_DMH001423	937,632	618,226	1.6	7.6	Junction
HL_DMH001425	944,931	611,750	-4.8	0.2	Junction
HL_DMH001428	937,851	610,848	0.0	7.8	Junction
HL_DMH001431	938,952	610,507	-5.0	3.3	Storage
HL_DMH001432	939,082	610,510	-1.4	3.6	Junction
HL_DMH001433	939,416	610,522	-1.4	3.7	Junction
HL_DMH001434	939,575	610,531	-2.6	3.3	Junction
HL_DMH001435	939,846	610,541	-3.5	2.6	Junction
HL_DMH001436	940,032	610,544	-4.6	1.6	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DMH001437	940,238	610,554	-5.2	2.0	Junction
HL_DMH001438	940,256	610,554	-5.7	2.0	Junction
HL_DMH001441	940,449	610,563	-10.0	1.6	Storage
HL_DMH001442	940,845	610,578	-5.3	1.6	Junction
HL_DMH001443	941,042	610,583	-5.8	3.1	Junction
HL_DMH001444	941,059	610,584	-5.7	1.9	Junction
HL_DMH001445	941,235	610,591	-10.0	1.3	Storage
HL_DMH001446	941,607	610,602	-5.2	1.2	Junction
HL_DMH001447	941,819	610,610	-5.8	1.8	Junction
HL_DMH001448	942,008	610,618	-10.0	1.3	Storage
HL_DMH001449	942,394	610,631	-10.0	1.3	Storage
HL_DMH001450	942,558	610,638	-5.0	1.7	Junction
HL_DMH001451	942,800	610,647	-3.2	1.3	Junction
HL_DMH001452	943,189	610,661	-2.5	1.3	Junction
HL_DMH001453	943,400	610,668	-3.1	1.6	Junction
HL_DMH001454	943,599	610,676	-5.0	1.1	Storage
HL_DMH001455	944,027	610,692	-4.4	0.8	Junction
HL_DMH001456	944,198	610,699	-4.9	1.2	Junction
HL_DMH001457	944,380	610,705	-10.0	0.8	Storage
HL_DMH001458	944,808	610,720	-5.3	0.6	Junction
HL_DMH001459	944,973	610,726	-7.1	1.0	Junction
HL_DMH001460	944,995	610,726	-9.1	1.0	Junction
HL_DMH001461	945,247	610,736	-10.0	0.4	Storage
HL_DMH001462	945,647	610,750	-4.1	0.4	Junction
HL_DMH001463	945,005	610,556	-6.6	0.3	Junction
HL_DMH001475	945,102	607,355	-1.0	5.3	Junction
HL_DMH001476	945,057	607,264	-1.5	5.0	Junction
HL_DMH001491	940,257	618,313	-3.7	3.7	Junction
HL_DMH001492	941,842	610,140	-8.5	1.7	Junction
HL_DMH001516	941,856	609,152	-4.5	1.6	Junction
HL_DMH001517	940,154	613,585	-8.4	2.2	Junction
HL_DMH001519	941,270	614,468	-1.5	5.1	Junction
HL_DMH001523	938,281	610,159	-5.0	4.8	Storage
HL_DMH001528	941,006	612,295	-5.0	1.3	Storage
HL_DMH001556	941,085	609,936	-5.0	1.2	Storage
HL_DMH001563	938,843	618,357	-1.5	5.7	Junction
HL_DMH001564	938,817	618,593	0.0	5.5	Junction
HL_DMH001565	938,651	618,588	1.0	5.9	Junction
HL_DMH001567	945,472	613,623	-2.0	1.4	Junction
HL_DMH001568	938,654	618,211	1.0	5.9	Junction
HL_DMH001569	938,256	618,198	-0.5	5.5	Junction
HL_DMH001571	938,206	618,331	-1.8	6.2	Junction
HL_DMH001572	938,211	618,458	-1.5	6.1	Junction
HL_DMH001573	938,248	618,541	-1.3	6.2	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DMH001574	938,241	618,762	0.0	6.1	Junction
HL_DMH001575	937,509	618,682	0.2	7.5	Junction
HL_DMH001579	938,140	618,810	0.0	5.3	Junction
HL_DMH001580	938,379	618,815	0.2	4.2	Junction
HL_DMH001581	938,635	618,823	0.4	3.4	Junction
HL_DMH001582	938,751	618,826	0.5	3.5	Junction
HL_DMH001588	941,537	611,964	-9.5	3.5	Junction
HL_DMH001639	937,951	606,784	-5.0	4.9	Storage
HL_DMH001761	945,569	613,446	-2.5	1.1	Junction
HL_DMH001762	945,596	613,725	-2.5	2.9	Junction
HL_DMH001764	944,367	613,403	-2.5	1.4	Junction
HL_DMH001765	943,329	612,643	-4.5	1.9	Junction
HL_DMH001766	942,528	612,672	-4.6	2.2	Junction
HL_DMH001775	941,573	611,962	-9.9	2.9	Junction
HL_DMH001776	941,747	611,897	-3.4	1.4	Junction
HL_DMH001862	941,334	614,949	-4.0	3.4	Junction
HL_DMH001863	941,452	614,952	-4.5	3.3	Junction
HL_DMH001864	941,459	614,953	-4.4	3.3	Junction
HL_DMH001866	940,353	608,535	-5.0	1.8	Storage
HL_DMH001867	940,798	608,553	-0.5	1.8	Junction
HL_DMH001868	941,105	608,564	-5.0	1.4	Storage
HL_DMH001880	942,503	615,091	-4.6	7.2	Junction
HL_DMH001881	937,511	618,644	-0.6	7.5	Junction
HL_DMH001886	942,506	618,416	0.0	5.5	Junction
HL_DMH001888	942,496	618,910	0.6	3.2	Junction
HL_DMH001889	943,117	616,179	-5.5	5.6	Junction
HL_DMH001891	937,561	613,727	1.0	6.0	Junction
HL_DMH001896	938,626	610,475	0.0	4.2	Junction
HL_DMH001925	938,912	610,899	0.0	4.5	Junction
HL_DMH001928	939,561	610,926	-1.8	3.1	Junction
HL_DMH002048	939,574	610,812	-2.2	2.7	Junction
HL_DMH002049	939,589	610,576	-2.3	2.8	Junction
HL_DMH002050	941,051	610,888	-5.0	1.9	Storage
HL_DMH002052	941,452	609,602	-3.5	1.7	Junction
HL_DMH002054	941,731	607,651	-3.5	1.9	Junction
HL_DMH002057	941,847	610,006	-8.5	1.2	Junction
HL_DMH002059	943,388	610,975	-4.8	1.5	Junction
HL_DMH002060	943,413	610,339	-4.0	1.5	Junction
HL_DMH002061	943,457	609,198	-2.8	1.5	Junction
HL_DMH002062	944,268	608,993	-2.5	1.6	Junction
HL_DO000156	940,163	618,365	-2.0	0.2	Junction
HL_DO000156W	940,163	618,342	-1.9	1.7	Junction
HL_DO000160	942,560	618,537	-4.1	0.8	Junction
HL_DO000183	941,615	616,322	-4.0	0.9	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DO000184	941,664	616,322	-4.1	4.4	Junction
HL_DO000214	942,413	614,606	-10.0	1.0	Storage
HL_DO000232	940,186	612,412	-5.0	0.3	Storage
HL_DO000232DS	940,228	612,411	-5.0	0.6	Junction
HL_DO000235	940,269	613,370	-5.0	0.5	Storage
HL_DO000300	941,535	606,598	-4.1	0.2	Junction
HL_DO000308	940,575	606,084	-4.3	2.5	Junction
HL_DO000313	941,538	606,553	-5.0	1.4	Storage
HL_DO000314	940,704	606,295	-5.0	0.2	Storage
HL_DO000316	941,279	606,020	-5.0	1.5	Storage
HL_DO000375	943,939	618,979	-4.1	-3.0	Junction
HL_DO000381	943,152	607,456	-5.0	1.1	Storage
HL_DO000400	941,049	616,333	-4.1	2.9	Junction
HL_DO000401	941,368	616,528	-3.9	3.6	Junction
HL_DO000403	941,052	617,131	-4.0	0.6	Junction
HL_DO000404	941,051	617,083	-4.3	1.1	Junction
HL_DO000406	940,219	615,070	-5.0	0.9	Storage
HL_DO000408	940,258	617,411	-5.0	1.6	Storage
HL_DO000409	940,283	616,965	-2.7	0.9	Junction
HL_DO000410	941,145	616,309	-4.2	0.8	Junction
HL_DO000413	940,755	617,102	-5.0	0.4	Storage
HL_DO000421	939,973	615,051	-3.5	0.4	Junction
HL_DO000423	939,962	616,871	-5.0	0.6	Storage
HL_DO000424	940,135	615,089	-5.0	1.4	Storage
HL_DO000425	940,102	616,213	-2.5	0.5	Junction
HL_DO000426	939,929	616,201	-3.2	0.4	Junction
HL_DO000428	939,921	615,909	-3.3	0.2	Junction
HL_DO000432	939,993	616,205	-2.6	0.4	Junction
HL_DO000473	942,934	607,552	-5.0	-0.5	Storage
HL_DO000514	942,137	616,335	-4.0	0.0	Junction
HL_DO000515	942,480	618,318	-5.0	1.3	Storage
HL_DO000516	942,560	618,315	-5.0	2.6	Junction
HL_DO000519	942,137	616,285	-4.1	2.3	Junction
HL_DO000531	942,470	615,136	-4.0	-1.4	Junction
HL_DO000532	942,528	615,135	-4.1	-1.4	Junction
HL_DO000539	941,459	614,921	-5.0	0.2	Storage
HL_DO000754	940,594	618,250	-2.9	-0.2	Junction
HL_DO000762	939,917	615,545	-3.4	0.4	Junction
HL_DO000844	942,563	614,873	-10.0	-0.4	Storage
HL_DO000845	942,769	614,539	-10.0	-0.5	Storage
HL_DO000846	942,588	615,961	-10.0	-0.8	Storage
HL_DS000363	944,376	611,379	-2.5	0.8	Junction
HL_DS000364	941,982	611,297	-2.5	0.7	Junction
HL_DS000365	941,814	611,293	-2.8	1.0	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS000396	942,530	612,072	-4.7	2.4	Junction
HL_DS000407	941,012	611,776	-8.5	1.3	Junction
HL_DS000430	945,133	611,453	-3.5	0.2	Junction
HL_DS000441	941,981	611,338	-2.6	0.8	Junction
HL_DS000443	941,812	611,328	-3.7	0.9	Junction
HL_DS000444	941,592	611,323	-3.4	1.0	Junction
HL_DS000447	941,037	611,266	-3.2	1.3	Junction
HL_DS000449	940,989	611,263	-3.2	1.2	Junction
HL_DS000450	940,813	611,254	-10.0	0.7	Storage
HL_DS000453	944,746	611,436	-3.5	0.3	Junction
HL_DS000454	941,188	611,310	-3.3	1.3	Junction
HL_DS000456	941,034	611,300	-3.3	1.4	Junction
HL_DS000459	940,419	611,240	-2.7	1.3	Junction
HL_DS000474	944,375	611,424	-3.0	0.2	Junction
HL_DS000481	942,555	611,664	-4.6	1.2	Junction
HL_DS000483	942,523	611,663	-5.0	1.0	Storage
HL_DS000504	941,800	611,620	-3.9	0.7	Junction
HL_DS000509	945,484	611,466	-3.0	0.0	Junction
HL_DS000557	944,423	606,218	-5.0	4.4	Storage
HL_DS000558	945,103	606,360	0.0	4.6	Junction
HL_DS000560	944,468	606,264	-3.5	4.9	Junction
HL_DS000573	940,440	605,741	-8.7	0.3	Junction
HL_DS000575	940,449	605,519	-10.0	0.6	Storage
HL_DS000578	940,444	605,617	-8.9	0.3	Junction
HL_DS000656	944,838	606,724	0.0	4.1	Junction
HL_DS000657	945,135	606,773	-5.0	4.4	Storage
HL_DS000663	944,756	606,522	-1.0	5.4	Junction
HL_DS000665	944,885	606,466	0.0	4.2	Junction
HL_DS000668	943,495	606,472	-1.5	4.3	Junction
HL_DS000671	943,233	606,407	0.0	4.2	Junction
HL_DS000672	944,719	606,392	0.0	4.1	Junction
HL_DS000674	945,098	606,261	0.0	5.2	Junction
HL_DS000675	944,718	606,131	-4.0	4.5	Junction
HL_DS000676	944,682	606,189	-4.1	4.6	Junction
HL_DS000677	944,616	606,155	-5.0	4.7	Storage
HL_DS000678	944,964	606,149	0.0	4.7	Junction
HL_DS000679	944,820	606,040	0.0	4.6	Junction
HL_DS000681	944,541	606,092	-4.5	5.7	Junction
HL_DS000683	944,848	605,884	0.0	4.1	Junction
HL_DS000684	945,078	605,993	0.0	4.6	Junction
HL_DS000685	944,760	605,880	-5.0	4.5	Storage
HL_DS000686	944,680	605,812	-1.0	4.0	Junction
HL_DS000688	944,848	607,327	0.0	3.5	Junction
HL_DS000689	944,907	607,482	-5.0	2.9	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS000709	944,851	607,059	0.0	4.4	Junction
HL_DS000711	944,966	607,078	0.0	4.4	Junction
HL_DS000712	944,789	606,924	0.0	5.2	Junction
HL_DS000715	944,203	606,806	-5.0	4.3	Storage
HL_DS000716	944,627	606,788	0.0	4.2	Junction
HL_DS000717	945,082	606,799	0.0	4.3	Junction
HL_DS000718	944,899	606,836	0.0	5.1	Junction
HL_DS000721	943,191	606,726	0.0	4.0	Junction
HL_DS000723	943,201	606,456	0.0	4.2	Junction
HL_DS000724	943,627	606,644	-0.5	4.4	Junction
HL_DS000726	943,612	606,778	0.0	5.3	Junction
HL_DS000727	943,469	606,774	0.0	4.2	Junction
HL_DS000787	939,554	611,207	0.0	2.8	Junction
HL_DS000907	944,830	607,216	-1.6	4.6	Junction
HL_DS000908	944,851	607,202	-1.8	5.2	Junction
HL_DS000909	944,984	607,138	-2.2	4.1	Junction
HL_DS000917	940,800	606,654	-4.1	2.4	Junction
HL_DS001028	942,757	611,367	-4.0	0.5	Junction
HL_DS001538	944,150	607,711	0.0	4.2	Junction
HL_DS001544	944,061	607,975	-1.0	4.1	Junction
HL_DS001546	944,250	607,532	0.0	4.0	Junction
HL_DS001554	940,308	606,220	-5.0	0.5	Storage
HL_DS001555	939,087	606,527	-5.0	2.6	Storage
HL_DS001576	940,342	606,560	-5.0	1.5	Storage
HL_DS001593	940,339	607,541	-5.0	1.7	Storage
HL_DS001608	939,095	606,188	-5.0	2.2	Storage
HL_DS001615	939,098	606,124	-5.0	2.0	Storage
HL_DS001619	940,325	605,549	-10.0	0.3	Storage
HL_DS001624	939,114	605,527	-5.0	2.1	Storage
HL_DS001628	940,319	605,853	-10.0	0.4	Storage
HL_DS001636	939,107	605,789	-1.8	2.3	Junction
HL_DS001711	943,059	606,544	0.0	5.0	Junction
HL_DS001712	943,429	606,308	-2.5	3.7	Junction
HL_DS001714	943,680	606,022	0.0	6.2	Junction
HL_DS001715	943,465	606,262	-3.0	3.8	Junction
HL_DS001719	943,622	606,259	0.0	5.4	Junction
HL_DS001720	943,494	606,221	0.0	4.6	Junction
HL_DS001721	943,455	606,188	-5.0	4.7	Storage
HL_DS001722	943,199	606,083	-4.0	3.8	Junction
HL_DS001730	944,370	607,985	0.0	4.3	Junction
HL_DS001731	943,650	607,819	-4.0	3.9	Junction
HL_DS001732	943,655	607,880	-5.0	4.0	Storage
HL_DS001735	944,142	607,735	0.0	4.1	Junction
HL_DS001736	943,910	607,846	-5.0	4.2	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS001738	943,932	607,534	0.0	4.0	Junction
HL_DS001740	943,238	607,269	0.0	4.3	Junction
HL_DS001741	943,235	607,295	-2.5	4.1	Junction
HL_DS001742	943,245	607,186	0.0	4.4	Junction
HL_DS001743	943,046	607,262	-1.5	5.4	Junction
HL_DS001744	943,048	607,288	-1.5	5.2	Junction
HL_DS001745	943,695	607,422	-5.0	4.1	Storage
HL_DS001746	943,707	607,399	0.0	4.1	Junction
HL_DS001747	944,059	607,287	0.0	4.1	Junction
HL_DS001748	943,736	607,332	-5.0	4.1	Storage
HL_DS001749	943,750	607,313	0.0	4.2	Junction
HL_DS001751	943,414	607,193	0.0	4.4	Junction
HL_DS001770	942,954	606,577	0.0	4.9	Junction
HL_DS001771	940,360	606,871	-5.0	1.9	Storage
HL_DS001775	942,826	606,089	0.0	4.2	Junction
HL_DS001777	942,734	606,359	-1.5	4.9	Junction
HL_DS001778	942,793	606,534	-5.0	4.2	Storage
HL_DS001779	942,931	606,368	-2.4	4.9	Junction
HL_DS001780	942,578	605,741	-5.0	4.0	Storage
HL_DS001782	942,529	606,351	-0.5	4.8	Junction
HL_DS001783	942,554	606,541	0.0	4.1	Junction
HL_DS001785	942,653	606,759	0.0	4.5	Junction
HL_DS001786	942,404	606,750	0.0	4.6	Junction
HL_DS001788	942,820	606,529	0.0	4.2	Junction
HL_DS001789	939,086	606,471	-1.9	2.7	Junction
HL_DS001793	943,152	606,125	-5.0	3.9	Storage
HL_DS001794	943,058	606,101	-3.0	3.7	Junction
HL_DS001795	942,933	606,325	0.0	4.7	Junction
HL_DS001797	942,735	606,311	0.0	5.3	Junction
HL_DS001799	942,397	607,411	-5.0	4.0	Storage
HL_DS001801	939,057	607,462	-5.0	3.5	Storage
HL_DS001805	942,522	606,308	0.0	5.2	Junction
HL_DS001807	941,759	606,177	-0.5	2.8	Junction
HL_DS001809	941,765	606,003	-0.4	3.1	Junction
HL_DS001833	942,965	605,658	-5.0	5.1	Storage
HL_DS002448	938,878	616,852	-5.0	1.8	Storage
HL_DS002449	944,970	611,777	-6.0	-0.4	Junction
HL_DS002451	943,348	611,855	-2.5	1.0	Junction
HL_DS002452	943,346	611,902	-3.0	1.1	Junction
HL_DS002453	943,365	611,385	-5.0	0.8	Storage
HL_DS002454	943,358	611,531	-2.5	0.5	Junction
HL_DS002457	945,248	610,393	-5.0	0.7	Junction
HL_DS002461	943,641	606,175	0.0	5.6	Junction
HL_DS002462	939,831	616,247	-2.2	2.4	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS002463	939,842	616,885	-4.7	1.6	Junction
HL_DS002470	942,598	606,140	-5.0	4.2	Storage
HL_DS002471	942,539	605,956	0.0	4.4	Junction
HL_DS002472	942,338	606,150	0.0	4.2	Junction
HL_DS002473	942,320	606,498	0.0	4.2	Junction
HL_DS002811	940,238	618,111	-5.0	0.6	Storage
HL_DS002814	939,641	618,066	-1.5	1.9	Junction
HL_DS002816	940,205	618,141	-2.5	1.1	Junction
HL_DS002817	940,204	618,120	-2.4	1.7	Junction
HL_DS002827	938,901	611,219	-10.0	3.5	Storage
HL_DS002842	939,512	614,882	-2.1	1.6	Junction
HL_DS002844	940,066	614,737	-2.0	1.6	Junction
HL_DS002845	940,132	614,738	-2.5	2.2	Junction
HL_DS002852	939,506	614,574	-1.7	1.4	Junction
HL_DS002853	944,217	608,524	-3.8	1.4	Junction
HL_DS002854	944,244	608,666	-5.0	0.8	Storage
HL_DS002863	939,504	614,422	-1.5	1.7	Junction
HL_DS002864	939,506	614,530	-1.6	1.5	Junction
HL_DS002869	944,092	613,677	-1.2	1.1	Junction
HL_DS002875	942,503	613,331	-2.6	1.6	Junction
HL_DS002876	941,143	613,313	-5.0	1.3	Storage
HL_DS002878	940,968	613,306	-2.5	1.3	Junction
HL_DS002881	940,483	613,548	-5.0	1.3	Storage
HL_DS002882	941,694	613,302	-4.5	1.5	Junction
HL_DS002883	941,669	613,306	-4.0	1.5	Junction
HL_DS002885	940,440	613,524	-5.0	0.7	Storage
HL_DS002886	940,446	613,368	-2.3	1.2	Junction
HL_DS002887	940,174	613,564	-2.3	0.8	Junction
HL_DS002888	940,454	613,096	-2.6	0.6	Junction
HL_DS002889	940,467	612,785	-3.3	0.0	Junction
HL_DS002890	940,475	612,576	-3.0	0.2	Junction
HL_DS002891	940,482	612,478	-3.5	0.1	Junction
HL_DS002892	940,485	612,402	-3.4	0.6	Junction
HL_DS002893	940,493	612,087	-3.2	-0.1	Junction
HL_DS002894	940,507	611,765	-3.0	-0.2	Junction
HL_DS002895	944,101	613,429	-1.9	1.3	Junction
HL_DS002899	939,939	613,555	-2.2	0.7	Junction
HL_DS002900	939,460	613,538	-2.0	1.1	Junction
HL_DS002901	939,682	613,544	-2.1	0.8	Junction
HL_DS002902	939,048	613,521	-1.5	1.6	Junction
HL_DS002903	938,853	613,518	-1.0	4.0	Junction
HL_DS002904	938,542	613,510	-5.0	4.7	Storage
HL_DS002906	944,107	613,092	-5.0	1.4	Storage
HL_DS002909	941,673	612,998	-5.0	0.9	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS002910	942,501	613,370	-2.5	1.7	Junction
HL_DS002913	944,103	613,390	-5.0	1.2	Storage
HL_DS002915	940,785	612,623	-1.8	0.9	Junction
HL_DS002917	941,706	613,005	-4.5	1.4	Junction
HL_DS002919	940,500	613,098	-0.4	1.5	Junction
HL_DS002921	941,668	613,332	-3.9	1.4	Junction
HL_DS002924	943,923	613,045	-1.7	1.6	Junction
HL_DS002925	943,928	612,902	-1.5	1.2	Junction
HL_DS002926	940,972	612,804	-1.7	1.3	Junction
HL_DS002927	940,971	612,867	-1.6	1.1	Junction
HL_DS002928	940,969	612,933	-1.5	1.0	Junction
HL_DS002929	942,522	612,810	-5.0	1.7	Storage
HL_DS002930	943,321	612,880	-3.2	1.6	Junction
HL_DS002931	940,511	612,786	-0.5	1.4	Junction
HL_DS002932	942,927	613,042	-5.0	1.0	Storage
HL_DS002933	943,281	612,878	-5.0	1.3	Storage
HL_DS002934	941,724	612,727	-2.1	1.4	Junction
HL_DS002936	942,933	612,859	-5.0	1.1	Storage
HL_DS002937	942,928	613,015	-2.9	1.0	Junction
HL_DS002938	940,980	612,970	-5.0	1.4	Storage
HL_DS002939	940,930	612,968	-1.3	1.4	Junction
HL_DS002940	942,515	612,996	-3.5	1.6	Junction
HL_DS002941	942,522	612,850	-4.1	1.7	Junction
HL_DS002942	941,435	612,651	-2.7	1.5	Junction
HL_DS002943	941,251	612,641	-2.5	1.6	Junction
HL_DS002944	942,513	613,034	-3.4	1.6	Junction
HL_DS002946	944,074	613,090	-2.1	1.2	Junction
HL_DS002947	940,993	612,633	-5.0	1.4	Storage
HL_DS002948	940,985	612,653	-2.0	1.2	Junction
HL_DS002949	940,979	612,776	-1.8	1.4	Junction
HL_DS002950	940,943	612,631	-5.0	1.0	Storage
HL_DS002951	942,474	612,994	-3.0	1.6	Junction
HL_DS002954	943,323	612,840	-5.0	1.4	Storage
HL_DS002964	940,519	612,577	-2.5	1.4	Junction
HL_DS002972	941,396	611,971	-5.0	1.7	Storage
HL_DS002973	941,377	612,128	2.1	1.4	Junction
HL_DS002976	941,316	611,969	-3.7	1.3	Junction
HL_DS002979	941,818	611,838	-2.8	1.0	Junction
HL_DS002984	940,538	612,089	-5.0	1.1	Storage
HL_DS002985	938,143	611,533	-5.0	4.6	Storage
HL_DS002986	938,253	611,533	0.1	4.5	Junction
HL_DS002987	941,494	611,943	1.9	1.4	Junction
HL_DS002989	941,753	611,894	-3.0	1.2	Junction
HL_DS002990	941,747	611,837	-5.0	1.3	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS002993	941,796	611,669	-4.0	0.6	Junction
HL_DS002996	944,762	611,778	-5.2	-0.2	Junction
HL_DS002997	944,930	611,782	-10.0	0.1	Storage
HL_DS002998	944,572	611,769	-4.8	0.3	Junction
HL_DS002999	944,333	611,750	-4.0	0.9	Junction
HL_DS003001	940,999	611,939	-8.7	1.6	Junction
HL_DS003007	938,900	611,183	0.0	3.2	Junction
HL_DS003010	938,266	611,482	0.0	4.6	Junction
HL_DS003013	938,350	611,209	-5.4	4.2	Junction
HL_DS003015	938,290	611,208	-5.0	4.5	Storage
HL_DS003017	937,659	611,471	1.6	5.7	Junction
HL_DS003018	944,193	610,875	-4.0	0.5	Junction
HL_DS003019	940,237	611,238	-5.0	1.2	Storage
HL_DS003031	942,608	610,331	-1.8	1.1	Junction
HL_DS003041	942,822	610,120	-2.5	-0.1	Junction
HL_DS003047	942,616	610,110	-5.0	0.9	Storage
HL_DS003049	941,870	610,441	-5.0	1.5	Junction
HL_DS003050	942,614	610,146	-2.3	1.1	Junction
HL_DS003051	942,609	610,289	-2.0	1.2	Junction
HL_DS003055	941,382	609,948	-1.4	1.4	Junction
HL_DS003058	942,658	609,168	-5.0	1.1	Storage
HL_DS003060	941,774	610,433	-5.0	1.2	Junction
HL_DS003061	941,796	610,568	-5.0	1.2	Junction
HL_DS003062	941,863	610,269	-10.0	0.8	Storage
HL_DS003064	941,791	610,266	-10.0	0.9	Storage
HL_DS003068	941,405	609,917	-1.5	1.5	Junction
HL_DS003069	941,529	609,925	-1.7	1.6	Junction
HL_DS003071	941,378	609,580	-3.0	1.7	Junction
HL_DS003073	941,113	609,571	-2.0	1.5	Junction
HL_DS003074	941,056	609,567	-5.0	0.7	Storage
HL_DS003077	941,876	610,087	-4.5	1.2	Junction
HL_DS003081	941,102	609,937	-1.1	1.0	Junction
HL_DS003090	943,486	608,373	-5.0	1.1	Junction
HL_DS003092	943,455	608,372	-5.6	1.3	Junction
HL_DS003094	942,658	609,127	-3.8	0.9	Junction
HL_DS003095	942,664	608,984	-3.0	1.2	Junction
HL_DS003098	944,903	608,371	-4.0	1.4	Junction
HL_DS003101	944,409	608,354	-4.8	1.5	Junction
HL_DS003102	941,225	607,957	-5.0	0.9	Storage
HL_DS003105	943,454	608,309	-5.8	1.9	Junction
HL_DS003106	943,459	609,156	-5.0	1.4	Storage
HL_DS003107	943,463	609,014	-5.0	0.9	Storage
HL_DS003115	941,747	608,264	-5.0	1.5	Storage
HL_DS003119	941,861	608,953	-5.0	0.5	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS003121	944,545	608,676	-5.0	1.4	Storage
HL_DS003126	944,224	608,992	-5.0	1.3	Storage
HL_DS003127	943,476	608,676	-5.0	1.3	Storage
HL_DS003129	941,946	608,270	-5.0	1.2	Storage
HL_DS003130	941,875	608,269	-4.0	1.4	Junction
HL_DS003131	944,274	608,667	-4.2	1.1	Junction
HL_DS003133	943,465	608,974	-2.3	0.7	Junction
HL_DS003136	938,322	608,864	-5.0	4.3	Storage
HL_DS003137	942,677	608,605	-2.5	1.5	Junction
HL_DS003138	942,649	608,603	-2.4	1.5	Junction
HL_DS003139	941,178	608,279	-1.9	1.4	Junction
HL_DS003143	942,666	608,945	-5.0	1.3	Storage
HL_DS003144	942,635	608,945	-5.0	1.2	Storage
HL_DS003145	942,676	608,647	-5.0	1.5	Storage
HL_DS003147	941,230	607,792	-2.5	0.9	Junction
HL_DS003149	941,863	608,917	-3.5	0.4	Junction
HL_DS003151	941,747	607,271	-5.0	1.9	Storage
HL_DS003155	941,771	606,667	-1.0	2.2	Junction
HL_DS003156	941,774	606,592	-5.0	1.5	Storage
HL_DS003157	941,385	607,583	-3.0	1.3	Junction
HL_DS003158	941,239	607,578	-5.0	1.3	Storage
HL_DS003159	940,353	607,207	-5.0	2.8	Storage
HL_DS003161	941,515	606,646	-5.0	1.8	Storage
HL_DS003164	940,434	605,858	-8.5	0.2	Junction
HL_DS003165	940,455	605,553	-9.0	0.3	Junction
HL_DS003174	941,428	606,641	-3.6	1.8	Junction
HL_DS003219	944,313	608,527	-3.8	1.5	Junction
HL_DS003223	944,302	608,350	-4.9	1.9	Junction
HL_DS003260	937,667	610,331	0.5	5.3	Junction
HL_DS003270	939,709	608,226	-5.0	2.8	Storage
HL_DS003281	939,459	613,583	-1.5	1.9	Junction
HL_DS003287	939,552	611,242	-7.5	3.2	Junction
HL_DS003288	937,845	611,117	0.1	6.0	Junction
HL_DS003289	937,993	610,879	0.1	5.7	Junction
HL_DS003291	937,953	610,623	-5.0	5.5	Storage
HL_DS003293	938,358	611,152	-3.0	5.9	Junction
HL_DS003294	938,879	610,900	-0.5	4.6	Junction
HL_DS003295	938,507	610,886	-0.5	4.5	Junction
HL_DS003296	938,510	610,795	-1.0	4.5	Junction
HL_DS003310	941,918	608,328	-4.3	1.7	Junction
HL_DS003311	941,196	608,241	-5.0	1.3	Storage
HL_DS003316	941,144	607,952	-5.0	1.0	Storage
HL_DS003323	940,425	606,225	-4.5	0.5	Junction
HL_DS003324	939,105	605,853	-1.7	2.5	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS003325	941,011	607,227	-1.5	2.0	Junction
HL_DS003327	941,158	607,238	-5.0	1.9	Storage
HL_DS003329	941,198	606,666	-3.8	2.2	Junction
HL_DS003330	940,921	606,652	-4.2	2.4	Junction
HL_DS003331	940,413	606,594	-3.6	1.6	Junction
HL_DS003332	940,411	606,667	-3.5	1.1	Junction
HL_DS003334	940,412	606,637	-5.0	1.5	Storage
HL_DS003335	941,701	607,253	-2.8	1.7	Junction
HL_DS003339	940,422	606,368	-3.7	1.0	Junction
HL_DS003340	940,414	606,558	-3.6	1.0	Junction
HL_DS003667	940,196	617,612	-5.0	0.4	Storage
HL_DS003669	940,191	617,412	-2.6	0.5	Junction
HL_DS003670	940,194	617,537	-2.6	0.5	Junction
HL_DS003671	938,134	616,831	-0.5	5.1	Junction
HL_DS003672	944,173	611,361	-4.3	0.2	Junction
HL_DS003673	945,580	611,152	-3.5	0.3	Junction
HL_DS003677	945,655	611,168	-3.0	0.2	Junction
HL_DS003681	938,486	616,728	-5.0	2.8	Storage
HL_DS003683	944,049	610,166	-1.2	1.3	Junction
HL_DS003684	944,209	610,173	-1.4	1.1	Junction
HL_DS003692	945,551	613,723	-2.3	2.8	Junction
HL_DS003695	944,851	613,456	-3.9	1.1	Junction
HL_DS003698	940,951	613,590	0.0	1.5	Junction
HL_DS003699	940,913	613,589	-0.5	1.3	Junction
HL_DS003700	943,292	613,655	-5.0	1.4	Storage
HL_DS003702	943,252	613,653	-2.0	1.1	Junction
HL_DS003705	943,301	613,400	-2.3	1.5	Junction
HL_DS003707	943,246	613,530	-2.0	1.7	Junction
HL_DS003710	943,320	613,209	-5.0	0.8	Storage
HL_DS003711	943,303	613,360	-5.0	1.7	Storage
HL_DS003713	943,263	613,358	-2.0	1.3	Junction
HL_DS003724	944,159	611,701	-4.8	0.1	Junction
HL_DS003725	944,131	611,700	-4.5	0.2	Junction
HL_DS003728	944,158	611,753	-5.0	0.1	Storage
HL_DS003730	941,032	611,628	-5.0	0.9	Storage
HL_DS003734	944,126	611,744	-4.3	0.2	Junction
HL_DS003738	944,932	611,730	-4.7	-0.3	Junction
HL_DS003739	944,935	611,679	-4.5	0.2	Junction
HL_DS003743	944,970	610,762	-7.1	0.3	Junction
HL_DS003749	941,031	611,598	-2.0	0.9	Junction
HL_DS003751	944,145	611,359	-4.0	0.2	Junction
HL_DS003754	945,309	611,142	-5.0	0.4	Storage
HL_DS003756	945,036	611,051	-4.7	1.6	Junction
HL_DS003757	944,984	611,016	-5.0	0.4	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS003760	945,261	611,140	-4.0	0.4	Junction
HL_DS003761	944,960	611,010	-5.0	0.2	Junction
HL_DS003762	944,199	610,744	-3.5	0.3	Junction
HL_DS003765	945,033	611,105	-4.5	1.7	Junction
HL_DS003767	944,191	610,985	-4.4	0.9	Junction
HL_DS003769	944,183	611,111	-4.6	0.7	Junction
HL_DS003770	944,159	610,985	-4.5	0.9	Junction
HL_DS003771	944,156	611,109	-4.7	0.5	Junction
HL_DS003772	944,170	611,437	-5.0	0.2	Storage
HL_DS003773	944,141	611,414	-4.0	0.1	Junction
HL_DS003785	943,409	610,319	-3.9	0.9	Junction
HL_DS003786	943,418	610,185	-5.0	0.4	Storage
HL_DS003789	943,266	610,136	-3.5	0.6	Junction
HL_DS003793	943,065	610,129	-3.0	0.8	Junction
HL_DS003806	945,602	610,408	-5.0	0.0	Storage
HL_DS003807	944,998	610,691	-10.0	0.2	Storage
HL_DS003808	944,973	610,689	-7.1	0.2	Junction
HL_DS003816	945,006	610,426	-10.0	0.4	Storage
HL_DS003817	944,983	610,422	-6.6	0.3	Junction
HL_DS003827	944,201	610,652	-3.5	0.3	Junction
HL_DS003830	944,182	610,393	-3.0	0.8	Junction
HL_DS003836	943,407	610,361	-3.9	0.7	Junction
HL_DS003838	944,209	610,342	-5.0	0.6	Storage
HL_DS003839	944,184	610,341	-2.0	0.6	Junction
HL_DS003840	941,874	608,616	-5.0	0.9	Storage
HL_DS003860	941,876	608,580	-3.0	0.7	Junction
HL_DS003864	940,370	607,544	-5.0	2.1	Storage
HL_DS003893	939,693	618,076	-1.6	1.8	Junction
HL_DS003894	940,234	617,861	-2.6	0.4	Junction
HL_DS003895	940,230	617,612	-2.6	1.2	Junction
HL_DS003896	940,230	617,410	-2.6	1.0	Junction
HL_DS003897	940,231	617,151	-2.6	2.1	Junction
HL_DS003898	940,226	616,987	-2.6	1.8	Junction
HL_DS003899	939,749	616,864	-2.2	4.4	Junction
HL_DS003900	939,657	616,863	-2.1	3.9	Junction
HL_DS003901	939,661	616,767	-2.0	4.7	Junction
HL_DS003902	939,742	616,650	0.5	4.1	Junction
HL_DS003969	938,050	612,841	-5.0	5.0	Storage
HL_DS003979	940,442	617,857	-5.0	3.9	Storage
HL_DS003984	945,476	613,610	-5.0	1.5	Storage
HL_DS003985	945,568	613,494	-2.0	1.1	Junction
HL_DS004334	942,410	613,669	-1.9	1.7	Junction
HL_DS004335	938,270	613,504	0.0	5.3	Junction
HL_DS004336	938,187	613,502	-0.3	5.1	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS004337	938,086	613,485	0.0	5.1	Junction
HL_DS004341	938,046	613,483	-5.0	4.9	Storage
HL_DS004343	941,458	613,603	-2.0	1.5	Junction
HL_DS004344	937,600	613,485	0.0	5.4	Junction
HL_DS004351	938,055	613,164	5.6	5.0	Junction
HL_DS004363	938,085	611,829	-5.0	4.8	Storage
HL_DS004365	945,443	611,795	-5.4	-0.2	Junction
HL_DS004372	945,445	611,754	-5.0	-0.3	Junction
HL_DS004373	945,606	611,744	-4.1	1.1	Junction
HL_DS004375	945,637	611,740	-3.8	1.3	Junction
HL_DS004378	938,072	612,165	5.8	5.2	Junction
HL_DS004384	944,975	611,407	-3.5	0.2	Junction
HL_DS004385	944,941	611,407	-3.8	0.1	Junction
HL_DS004387	942,541	611,355	-5.0	0.4	Storage
HL_DS004389	944,973	611,446	-3.7	0.0	Junction
HL_DS004390	944,939	611,443	-5.0	0.1	Storage
HL_DS004396	940,652	610,875	-4.9	1.9	Junction
HL_DS004397	941,761	611,327	-5.0	0.7	Storage
HL_DS004398	941,425	610,991	-4.8	1.4	Junction
HL_DS004401	937,660	611,509	1.7	5.7	Junction
HL_DS004411	945,648	611,412	-5.0	-0.4	Storage
HL_DS004416	945,645	611,483	-3.5	0.8	Junction
HL_DS004428	942,649	609,360	-5.0	0.5	Junction
HL_DS004460	941,144	608,554	-1.3	1.3	Junction
HL_DS004473	944,993	608,699	-1.0	1.3	Junction
HL_DS004501	941,907	608,580	-3.5	0.8	Junction
HL_DS004540	938,371	606,792	-5.0	3.8	Storage
HL_DS004576	938,415	605,726	-5.0	2.9	Storage
HL_DS004635	939,026	608,207	-5.0	3.1	Storage
HL_DS004658	937,639	612,142	1.0	5.2	Junction
HL_DS004668	940,264	610,950	-5.0	2.5	Storage
HL_DS004671	938,061	612,505	-5.0	5.1	Storage
HL_DS004750	942,132	614,239	-5.0	3.9	Storage
HL_DS004751	941,363	614,131	-1.8	3.8	Junction
HL_DS004753	941,398	614,095	-2.0	3.8	Junction
HL_DS004761	942,760	614,467	-4.3	3.9	Junction
HL_DS004762	942,759	614,404	-5.0	3.7	Storage
HL_DS004763	942,136	614,415	-6.1	4.4	Junction
HL_DS004764	940,262	610,861	-5.0	2.3	Storage
HL_DS004912	939,724	616,185	-2.5	3.9	Junction
HL_DS004914	939,628	616,079	-5.0	3.1	Storage
HL_DS005094	939,534	615,866	-1.1	3.1	Junction
HL_DS005096	939,804	615,876	-1.0	3.0	Junction
HL_DS005108	937,575	615,483	-5.0	5.7	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS005111	939,693	614,888	-2.1	1.6	Junction
HL_DS005124	937,532	616,500	1.0	7.2	Junction
HL_DS005127	939,879	614,254	-1.0	1.7	Junction
HL_DS005128	939,705	614,248	-1.2	1.7	Junction
HL_DS005129	939,503	614,252	-5.0	1.8	Storage
HL_DS005131	937,555	614,310	1.5	5.6	Junction
HL_DS005138	939,499	613,917	-5.0	1.3	Storage
HL_DS005141	939,502	614,201	-1.3	1.9	Junction
HL_DS005144	939,499	613,864	-1.0	1.7	Junction
HL_DS005151	941,395	609,273	-1.0	1.5	Junction
HL_DS005164	937,557	614,095	1.5	5.8	Junction
HL_DS005182	939,557	616,262	-5.0	3.7	Storage
HL_DS005183	939,559	616,348	-1.0	4.6	Junction
HL_DS005184	939,529	615,976	-1.2	2.8	Junction
HL_DS005251	941,985	616,057	-5.0	3.1	Storage
HL_DS005453	939,724	616,182	-2.5	3.9	Junction
HL_DS005454	939,687	616,111	-2.0	3.8	Junction
HL_DS005455	939,493	616,197	-5.0	2.1	Storage
HL_DS005467	939,675	617,245	-1.9	1.8	Junction
HL_DS005479	939,691	618,104	-1.7	1.9	Junction
HL_DS005490	940,222	618,836	-5.0	3.3	Junction
HL_DS005503	940,095	618,118	-2.3	1.6	Junction
HL_DS005504	939,787	618,108	-1.8	1.7	Junction
HL_DS005505	938,718	617,686	-5.0	2.9	Storage
HL_DS005510	939,402	617,581	-5.0	1.9	Storage
HL_DS005512	940,150	617,260	-2.2	0.6	Junction
HL_DS005513	940,083	617,258	-2.1	1.3	Junction
HL_DS005517	939,402	617,704	-1.7	2.7	Junction
HL_DS005530	940,045	617,557	-2.4	1.6	Junction
HL_DS005531	939,543	617,541	-2.0	1.9	Junction
HL_DS005538	939,345	617,705	-1.6	2.2	Junction
HL_DS005540	939,034	617,696	-1.0	2.8	Junction
HL_DS005543	940,190	617,207	-2.4	1.4	Junction
HL_DS005553	938,008	616,828	-5.0	5.5	Storage
HL_DS005555	939,550	617,242	-1.8	1.9	Junction
HL_DS005556	939,421	616,910	-5.0	1.6	Storage
HL_DS005557	939,417	617,243	-1.7	1.7	Junction
HL_DS005558	939,312	617,234	-1.5	1.8	Junction
HL_DS005559	939,369	617,241	-1.6	1.8	Junction
HL_DS005560	939,208	617,231	-5.0	2.0	Storage
HL_DS005562	938,554	616,844	-5.0	2.4	Storage
HL_DS005569	941,973	611,011	-4.8	1.2	Junction
HL_DS005571	942,528	610,941	-5.0	1.5	Storage
HL_DS005579	938,554	616,730	-1.2	2.5	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS005580	938,531	616,730	-1.1	2.6	Junction
HL_DS005615	941,334	614,968	-5.0	2.4	Storage
HL_DS005630	940,138	614,900	-5.0	1.8	Storage
HL_DS005635	940,178	614,630	-2.8	1.8	Junction
HL_DS005643	939,185	615,532	-1.8	2.8	Junction
HL_DS005644	939,371	615,538	-2.0	2.7	Junction
HL_DS005645	939,101	615,529	-1.6	2.8	Junction
HL_DS005646	938,865	615,523	-1.4	2.6	Junction
HL_DS005647	938,858	615,493	-1.4	2.3	Junction
HL_DS005648	938,861	615,386	-5.0	1.9	Storage
HL_DS005650	938,171	614,861	-5.0	4.8	Storage
HL_DS005651	940,132	614,592	-5.0	1.7	Storage
HL_DS005666	939,031	616,896	-1.5	1.6	Junction
HL_DS005669	937,561	614,908	2.0	6.2	Junction
HL_DS005673	940,126	614,263	-2.0	1.5	Junction
HL_DS005674	937,779	614,191	-5.0	5.0	Storage
HL_DS005677	938,826	616,852	-1.8	1.9	Junction
HL_DS005678	938,139	614,359	-5.0	4.6	Storage
HL_DS005686	941,945	613,965	-5.0	1.6	Storage
HL_DS005697	940,722	613,719	-0.5	1.5	Junction
HL_DS005701	940,920	613,633	-5.0	1.2	Storage
HL_DS005703	940,467	613,637	-1.5	1.1	Junction
HL_DS005704	941,949	613,995	-1.0	2.0	Junction
HL_DS005706	940,356	613,742	-1.7	1.5	Junction
HL_DS005710	940,173	614,035	-5.0	1.3	Storage
HL_DS005712	940,383	613,775	-1.6	1.0	Junction
HL_DS005713	940,206	613,867	-1.9	1.2	Junction
HL_DS005715	943,314	613,063	-2.8	1.5	Junction
HL_DS005717	940,918	613,304	-5.0	1.7	Storage
HL_DS005718	943,274	613,062	-2.5	1.4	Junction
HL_DS005720	940,391	613,565	-2.5	0.5	Junction
HL_DS005723	940,121	613,938	-5.0	1.0	Storage
HL_DS005726	942,446	613,506	-2.0	1.1	Junction
HL_DS005733	943,315	613,023	-2.8	1.4	Junction
HL_DS005738	941,182	612,303	-2.2	1.5	Junction
HL_DS005745	942,523	611,873	-4.0	1.0	Junction
HL_DS005757	942,525	611,825	-3.8	0.6	Junction
HL_DS005759	942,529	611,035	-4.8	1.3	Junction
HL_DS005761	941,618	610,909	-5.0	1.9	Junction
HL_DS005762	941,425	610,900	-4.8	1.7	Junction
HL_DS005763	942,231	611,025	-4.8	1.2	Junction
HL_DS005764	941,393	610,894	-4.8	1.6	Junction
HL_DS005768	940,966	610,889	-4.9	1.3	Junction
HL_DS005770	941,083	610,982	-4.8	1.2	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS005771	940,920	610,884	-4.9	1.7	Junction
HL_DS005772	943,360	611,673	-3.2	0.4	Junction
HL_DS005773	944,616	611,104	-4.8	1.1	Junction
HL_DS005774	944,504	611,015	-4.8	0.8	Junction
HL_DS005776	941,346	610,993	-4.8	1.4	Junction
HL_DS005777	941,098	610,891	-4.8	2.0	Junction
HL_DS005778	944,365	611,006	-4.8	0.6	Junction
HL_DS005780	944,504	611,101	-4.8	0.9	Junction
HL_DS005782	944,004	610,995	-4.8	1.1	Junction
HL_DS005787	943,999	611,083	-4.8	1.0	Junction
HL_DS005791	943,756	610,983	-4.8	0.9	Junction
HL_DS005793	943,780	611,081	-4.8	0.5	Junction
HL_DS005794	943,519	610,979	-4.8	1.2	Junction
HL_DS005796	943,313	610,972	-4.8	1.2	Junction
HL_DS005798	943,499	611,068	-4.8	1.4	Junction
HL_DS005799	943,430	611,064	-4.8	1.3	Junction
HL_DS005800	943,089	610,963	-4.8	1.1	Junction
HL_DS005801	943,301	611,063	-4.8	0.9	Junction
HL_DS005802	943,127	611,053	-4.8	1.2	Junction
HL_DS005805	942,989	610,956	-4.8	1.4	Junction
HL_DS005806	942,706	610,947	-4.8	1.4	Junction
HL_DS005808	943,004	611,053	-5.0	0.7	Storage
HL_DS005809	939,541	610,924	-2.0	3.2	Junction
HL_DS005810	942,166	610,925	-4.8	1.3	Junction
HL_DS005812	941,835	610,658	-5.0	0.7	Junction
HL_DS005815	942,699	611,038	-4.8	1.1	Junction
HL_DS005816	941,994	610,918	-4.8	1.3	Junction
HL_DS005817	941,568	609,245	-2.3	1.4	Junction
HL_DS005819	941,535	609,283	-2.2	1.4	Junction
HL_DS005838	941,104	608,553	-1.1	1.2	Junction
HL_DS005923	940,082	618,088	-2.2	1.1	Junction
HL_DS005924	939,959	618,085	-2.1	1.5	Junction
HL_DS005925	939,816	618,080	-1.9	1.6	Junction
HL_DS005926	939,907	618,084	-2.0	1.6	Junction
HL_DS005927	939,544	610,835	-2.0	3.7	Junction
HL_DS005940	940,183	614,899	-5.0	1.9	Storage
HL_DS005941	940,183	614,934	-2.5	1.8	Junction
HL_DS005942	940,489	614,941	-3.0	2.0	Junction
HL_DS005943	940,838	614,953	-3.0	1.6	Junction
HL_DS005944	940,231	617,209	-2.6	1.4	Junction
HL_DS005945	939,649	617,544	-2.1	1.9	Junction
HL_DS005947	939,915	617,251	-5.0	1.6	Storage
HL_DS005950	939,414	617,073	-1.5	1.8	Junction
HL_DS005951	939,410	617,199	-1.6	1.9	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS005953	940,183	616,952	-5.0	1.3	Storage
HL_DS005960	939,888	616,608	-1.5	2.1	Junction
HL_DS005962	939,875	615,908	-5.0	2.1	Storage
HL_DS005964	939,274	616,193	-2.3	2.2	Junction
HL_DS005969	937,548	615,915	1.0	6.7	Junction
HL_DS005971	937,564	616,184	-5.0	5.9	Storage
HL_DS005974	938,868	616,181	-5.0	1.8	Storage
HL_DS005997	937,535	617,133	1.0	7.0	Junction
HL_DS006022	941,633	614,321	-1.0	2.6	Junction
HL_DS006023	943,291	613,700	-2.9	1.9	Junction
HL_DS006024	940,168	614,263	-2.5	1.7	Junction
HL_DS006033	941,643	614,657	-5.0	2.3	Storage
HL_DS006037	940,837	614,922	-5.0	1.5	Storage
HL_DS006038	940,489	614,911	-3.0	2.1	Junction
HL_DS006041	940,585	610,869	-4.9	1.5	Junction
HL_DS006168	943,130	616,182	-5.6	5.5	Junction
HL_DS006305	939,121	618,022	-1.1	2.4	Junction
HL_DS006306	938,981	618,018	-1.0	2.5	Junction
HL_DS006314	937,539	618,344	2.0	6.7	Junction
HL_DS006318	939,553	618,050	-1.4	2.2	Junction
HL_DS006320	939,416	618,041	-1.3	2.1	Junction
HL_DS006330	939,945	617,553	-2.3	1.6	Junction
HL_DS006337	939,635	616,881	-4.4	1.9	Junction
HL_DS006338	943,295	616,589	-10.0	4.0	Storage
HL_DS006344	939,601	616,241	-1.8	1.9	Junction
HL_DS006347	943,008	615,353	-0.3	3.8	Junction
HL_DS006349	942,962	615,235	-1.6	4.9	Junction
HL_DS006353	942,915	614,691	-5.0	4.8	Storage
HL_DS006358	937,550	617,636	-5.0	7.1	Storage
HL_DS006362	941,367	614,357	-1.0	3.8	Junction
HL_DS006364	941,365	614,207	-1.5	4.1	Junction
HL_DS006370	941,396	614,040	-5.0	4.3	Storage
HL_DS006371	941,450	614,038	-2.9	5.0	Junction
HL_DS006372	939,501	614,058	-1.2	1.7	Junction
HL_DS006378	944,845	613,610	-5.0	1.1	Storage
HL_DS006441	937,666	610,270	0.3	6.1	Junction
HL_DS006442	937,700	610,151	0.3	5.6	Junction
HL_DS006452	937,515	618,105	0.5	7.6	Junction
HL_DS006456	939,370	618,030	-5.0	2.1	Storage
HL_DS006457	938,719	618,011	-5.0	1.8	Storage
HL_DS006458	938,858	618,015	-0.9	2.3	Junction
HL_DS006463	939,809	617,550	-2.2	1.7	Junction
HL_DS006469	940,142	616,333	-5.0	2.1	Storage
HL_DS006473	939,857	616,776	-2.7	1.7	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS006474	939,856	616,664	-2.6	2.0	Junction
HL_DS006475	939,853	616,545	-5.0	1.8	Storage
HL_DS006476	939,843	616,868	-2.8	2.9	Junction
HL_DS006480	939,354	616,233	-1.7	1.9	Junction
HL_DS006483	939,615	616,207	-2.5	2.4	Junction
HL_DS006484	939,192	616,192	-2.2	1.3	Junction
HL_DS006499	937,547	617,960	-5.0	6.7	Storage
HL_DS006560	942,498	618,923	-5.0	2.8	Storage
HL_DS006561	942,546	618,909	1.0	3.1	Junction
HL_DS006579	943,120	616,582	-6.0	3.9	Junction
HL_DS006580	942,491	616,559	-6.8	5.2	Junction
HL_DS006581	942,488	616,672	-4.7	4.5	Junction
HL_DS006582	942,785	616,569	-4.8	3.9	Junction
HL_DS006583	942,519	616,463	-6.7	5.1	Junction
HL_DS006588	943,130	616,383	-5.3	4.1	Junction
HL_DS006590	943,145	616,289	-5.2	4.7	Junction
HL_DS006594	943,145	616,230	-5.5	5.3	Junction
HL_DS006595	942,481	615,962	0.2	5.3	Junction
HL_DS006596	942,531	615,961	-7.5	5.9	Junction
HL_DS006597	942,262	615,965	-5.0	4.5	Storage
HL_DS006599	942,532	615,785	-3.4	5.2	Junction
HL_DS006600	942,683	615,783	-3.4	4.5	Junction
HL_DS006601	942,800	615,779	-5.0	4.7	Storage
HL_DS006607	942,796	615,606	-3.2	4.3	Junction
HL_DS006608	942,892	615,603	-3.8	4.9	Junction
HL_DS006615	942,503	614,997	0.6	5.9	Junction
HL_DS006618	942,666	614,831	-4.1	4.5	Junction
HL_DS006620	942,182	614,840	-1.5	3.7	Junction
HL_DS006621	942,145	614,841	-1.9	4.6	Junction
HL_DS006622	942,708	614,538	-7.8	3.6	Junction
HL_DS007072	943,679	619,008	-2.0	6.2	Junction
HL_DS007073	943,558	619,004	-5.0	3.9	Storage
HL_DS007075	945,493	619,075	-5.0	5.1	Storage
HL_DS007086	942,138	614,515	-5.6	5.1	Junction
HL_DS007116	942,530	612,055	-5.0	0.3	Storage
HL_DS007119	944,928	611,831	-6.5	1.1	Junction
HL_DS007138	941,763	611,291	-2.5	0.6	Junction
HL_DS007146	941,609	609,274	-5.0	1.6	Storage
HL_DS007150	941,436	609,605	-3.4	1.7	Junction
HL_DS007151	938,130	610,450	-0.6	5.4	Junction
HL_DS007152	937,966	610,445	-5.0	5.4	Storage
HL_DS007153	941,558	609,902	-2.0	1.7	Junction
HL_DS007160	937,745	608,765	-5.0	4.4	Storage
HL_DS007163	941,856	609,087	-4.0	0.8	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS007172	940,452	605,537	-10.0	0.7	Storage
HL_DS007182	937,802	618,791	3.0	6.3	Junction
HL_DS007187	937,745	607,503	-1.0	5.3	Junction
HL_DS007188	937,791	607,099	-5.0	4.3	Storage
HL_DS007191	937,806	606,427	-3.0	4.3	Junction
HL_DS007196	937,828	605,750	-5.0	3.4	Storage
HL_DS007217	944,310	619,025	-5.0	3.7	Storage
HL_DS007227	943,746	605,784	-5.0	0.3	Storage
HL_DS007228	944,169	619,026	-2.0	6.8	Junction
HL_DS007241	938,231	610,452	-0.8	5.6	Junction
HL_DS007247	937,724	609,440	-5.0	5.9	Storage
HL_DS007263	940,377	616,940	-2.0	2.9	Junction
HL_DS007264	940,970	617,185	-3.0	0.8	Junction
HL_DS007265	940,839	615,664	-5.0	3.2	Storage
HL_DS007266	940,307	616,876	-5.0	5.4	Storage
HL_DS007267	939,824	616,205	-3.1	2.2	Junction
HL_DS007268	939,644	616,744	-5.0	0.0	Storage
HL_DS007270	937,875	611,207	-0.5	6.0	Junction
HL_DS007272	938,374	610,785	-2.5	4.7	Junction
HL_DS007273	938,038	610,582	-0.2	5.0	Junction
HL_DS007274	938,318	611,095	-0.5	4.3	Junction
HL_DS007317	944,101	605,892	-5.0	2.4	Storage
HL_DS007343	942,734	614,539	-7.8	3.3	Junction
HL_DS007346	942,143	614,731	-4.8	5.2	Junction
HL_DS007519	944,942	611,460	-4.2	0.1	Junction
HL_DS007524	941,019	611,957	-3.5	1.0	Junction
HL_DS007527	941,757	611,494	-3.0	0.2	Junction
HL_DS007541	937,632	618,267	1.8	7.2	Junction
HL_DS007542	937,634	618,201	1.5	7.5	Junction
HL_DS007543	937,727	618,184	1.4	4.9	Junction
HL_DS007544	940,429	606,078	-7.9	0.4	Junction
HL_DS007556	937,867	610,540	0.2	5.2	Junction
HL_DS007557	937,772	610,476	0.0	5.2	Junction
HL_DS007578	937,649	611,140	-0.5	5.2	Junction
HL_DS007579	937,767	611,097	-0.3	5.1	Junction
HL_DS007580	937,740	611,057	-0.3	5.6	Junction
HL_DS007581	937,819	610,960	-0.2	5.7	Junction
HL_DS007583	937,980	610,879	0.1	5.7	Junction
HL_DS007601	939,574	610,575	-5.0	2.4	Storage
HL_DS007604	939,577	610,483	-2.4	2.4	Junction
HL_DS007621	939,507	614,603	-1.8	1.9	Junction
HL_DS007693	941,836	610,570	-5.0	1.1	Junction
HL_DS007699	942,567	610,684	-4.5	0.8	Junction
HL_DS007701	942,571	610,592	-4.5	0.8	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS007707	943,398	610,714	-2.5	0.6	Junction
HL_DS007708	943,401	610,623	-2.5	0.6	Junction
HL_DS007741	938,896	610,810	-0.7	4.8	Junction
HL_DS007746	941,099	610,979	-4.8	2.1	Junction
HL_DS007747	941,574	611,001	-4.8	1.2	Junction
HL_DS007748	941,726	611,006	-4.8	1.4	Junction
HL_DS007749	941,859	611,007	-4.8	1.3	Junction
HL_DS007750	941,726	610,911	-5.1	1.4	Junction
HL_DS007751	941,879	610,915	-5.0	1.3	Storage
HL_DS007752	942,286	611,023	-4.8	1.2	Junction
HL_DS007753	942,282	610,930	-4.8	1.5	Junction
HL_DS007754	942,614	610,943	-4.8	1.1	Junction
HL_DS007755	942,652	611,036	-4.8	1.0	Junction
HL_DS007756	943,158	610,961	-4.8	1.3	Junction
HL_DS007758	943,324	611,060	-4.8	1.6	Junction
HL_DS007759	943,564	611,074	-4.8	1.2	Junction
HL_DS007760	944,143	611,000	-5.0	0.8	Storage
HL_DS007761	944,135	611,090	-5.0	1.5	Storage
HL_DS007762	944,223	611,002	-4.8	0.8	Junction
HL_DS007763	944,219	611,093	-4.8	0.5	Junction
HL_DS007765	941,144	608,403	-1.6	1.1	Junction
HL_DS007767	941,150	608,291	-1.8	1.4	Junction
HL_DS007775	941,912	608,433	-4.0	1.3	Junction
HL_DS007905	944,589	605,787	-5.0	4.0	Storage
HL_DS007908	945,172	607,506	-5.0	4.0	Storage
HL_DS007909	945,193	607,493	-0.5	4.1	Junction
HL_DS007912	945,007	607,217	-2.0	4.3	Junction
HL_DS008011	940,241	618,164	-3.1	1.5	Junction
HL_DS008012	940,248	618,248	-3.3	1.7	Junction
HL_DS008013	940,206	618,257	-2.4	1.5	Junction
HL_DS008014	940,559	618,353	-5.0	1.2	Storage
HL_DS008045	939,872	618,316	-5.0	3.6	Storage
HL_DS008050	939,873	618,256	-2.4	1.5	Junction
HL_DS008051	940,178	618,259	-5.0	1.2	Storage
HL_DS008083	939,478	615,543	-5.0	2.3	Storage
HL_DS008084	939,533	615,536	-2.6	1.8	Junction
HL_DS008085	939,688	615,546	-5.0	0.7	Storage
HL_DS008086	939,829	615,546	-2.7	1.6	Junction
HL_DS008087	939,879	615,545	-2.7	1.8	Junction
HL_DS008090	938,349	607,308	-5.0	4.0	Storage
HL_DS008129	940,404	606,871	-2.5	2.7	Junction
HL_DS008143	941,148	614,459	-5.0	1.6	Storage
HL_DS008145	941,183	614,469	-5.0	2.7	Storage
HL_DS008146	941,204	614,769	0.0	3.2	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS008147	941,172	614,816	0.0	1.5	Junction
HL_DS008149	941,425	614,866	0.0	3.3	Junction
HL_DS008150	941,271	614,913	0.0	4.0	Junction
HL_DS008151	941,209	614,894	0.0	3.7	Junction
HL_DS008152	941,174	614,894	0.0	1.6	Junction
HL_DS008161	940,161	617,230	-2.3	1.3	Junction
HL_DS008164	943,442	608,320	-10.0	1.2	Storage
HL_DS008173	939,013	612,726	-5.0	4.3	Storage
HL_DS008317	942,492	613,629	-2.1	1.3	Junction
HL_DS008318	942,452	613,629	-2.0	1.4	Junction
HL_DS008400	937,720	618,395	-5.0	2.7	Storage
HL_DS008401	937,683	618,516	-2.0	6.3	Junction
HL_DS008403	937,844	618,521	-1.3	6.2	Junction
HL_DS008404	937,843	618,556	0.8	6.0	Junction
HL_DS008405	937,837	618,727	1.0	5.8	Junction
HL_DS008410	938,028	618,527	-1.3	6.1	Junction
HL_DS008412	938,205	618,726	-0.5	5.1	Junction
HL_DS008413	938,211	618,532	-1.0	5.3	Junction
HL_DS008421	938,834	618,288	-5.0	1.5	Storage
HL_DS008422	938,832	618,369	-1.3	4.5	Junction
HL_DS008423	938,834	618,517	-1.0	4.5	Junction
HL_DS008424	938,836	618,558	1.8	4.4	Junction
HL_DS008425	938,836	618,592	1.2	4.6	Junction
HL_DS008426	938,837	618,732	1.5	4.3	Junction
HL_DS008431	938,246	618,333	-2.0	5.5	Junction
HL_DS008432	938,235	618,360	-0.4	5.0	Junction
HL_DS008433	938,232	618,469	0.0	5.1	Junction
HL_DS008434	938,261	618,763	0.2	5.2	Junction
HL_DS008435	938,262	618,713	0.4	4.6	Junction
HL_DS008437	938,321	618,714	0.8	4.6	Junction
HL_DS008439	938,380	618,717	1.0	4.6	Junction
HL_DS008440	938,383	618,599	0.0	4.6	Junction
HL_DS008441	938,441	618,601	0.0	4.6	Junction
HL_DS008444	938,501	618,603	0.0	4.6	Junction
HL_DS008445	938,559	618,604	0.0	4.5	Junction
HL_DS008448	938,624	618,606	0.0	4.6	Junction
HL_DS008449	938,650	618,607	1.2	4.7	Junction
HL_DS008452	937,793	618,774	-5.0	6.3	Storage
HL_DS008465	941,459	613,646	-2.1	1.5	Junction
HL_DS008466	941,735	612,986	-10.0	1.9	Storage
HL_DS008467	941,723	613,321	-10.0	1.9	Storage
HL_DS008645	940,115	616,260	-1.9	2.6	Junction
HL_DS008893	945,007	610,380	-6.7	0.4	Junction
HL_DS008894	945,244	608,695	-5.0	0.9	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_DS008895	944,549	608,712	-4.8	0.8	Junction
HL_DS008902	941,847	610,014	-10.0	1.2	Storage
HL_DS008969	944,129	613,092	-2.5	2.2	Junction
HL_DS009033	945,570	613,450	-2.5	1.1	Junction
HL_DS009034	945,591	613,725	-2.5	2.9	Junction
HL_DS009035	944,851	613,424	-5.0	0.9	Storage
HL_DS009036	944,367	613,407	-2.5	1.4	Junction
HL_DS009039	942,052	612,799	-5.0	1.4	Storage
HL_DS009041	941,745	612,729	-10.0	1.8	Storage
HL_DS009043	941,464	612,612	-5.0	1.5	Storage
HL_DS009044	941,290	612,306	-2.6	1.3	Junction
HL_DS009045	941,338	612,315	-5.0	1.6	Storage
HL_DS009046	941,376	612,128	-1.5	1.4	Junction
HL_DS009047	941,515	611,968	-2.5	1.5	Junction
HL_DS009048	941,493	611,943	-2.4	1.3	Junction
HL_DS009244	941,452	614,970	-3.9	2.8	Junction
HL_DS009303	943,060	615,486	-0.9	4.9	Junction
HL_DS009304	942,966	615,233	1.0	5.0	Junction
HL_DS009308	942,487	616,842	-5.0	3.7	Storage
HL_DS009343	937,688	616,738	-5.0	5.6	Storage
HL_DS009436	941,770	605,935	-0.3	2.7	Junction
HL_DS009437	941,774	605,852	-0.2	2.6	Junction
HL_DS009500	940,175	617,560	-2.5	1.1	Junction
HL_DS009506	938,187	616,138	-5.0	4.7	Storage
HL_DS009508	938,109	615,479	-5.0	5.4	Storage
HL_DS009509	938,865	615,567	-5.0	1.9	Storage
HL_DS009519	939,509	614,808	-2.0	1.9	Junction
HL_DS009532	940,293	610,858	-4.9	1.7	Junction
HL_DS009534	938,910	610,930	0.2	3.8	Junction
HL_DS009536	938,915	610,788	-0.5	3.8	Junction
HL_DS009538	944,176	611,241	-4.3	0.7	Junction
HL_DS009543	939,564	610,949	-1.5	2.7	Junction
HL_DS009550	938,403	614,723	-5.0	5.0	Storage
HL_DS009553	941,786	605,644	-5.0	1.8	Storage
HL_DS009998	940,409	606,719	-3.0	1.9	Junction
HL_DS010007	943,977	610,163	-1.1	1.2	Junction
HL_DS010008	943,873	610,158	-1.0	1.5	Junction
HL_DS010009	943,764	610,156	-0.9	1.4	Junction
HL_DW000019	941,457	614,357	-1.5	5.0	Junction
HL_FDG000033	940,986	612,632	-2.1	1.5	Junction
HL_FDG000036	939,393	611,238	-7.3	3.2	Junction
HL_FDG000037	938,648	611,214	-6.0	3.8	Junction
HL_FDG000043	941,827	610,443	-6.5	1.9	Junction
HL_FDG000046	941,855	610,086	-5.0	1.4	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HL_FDG000048	943,739	608,354	-4.0	2.1	Junction
HL_FDG000054	944,707	608,387	-4.3	1.8	Junction
HL_FDG000055	944,447	608,379	-4.5	2.1	Junction
HL_FDG000056	943,990	608,363	-4.2	1.9	Junction
HL_FDG000059	940,760	607,227	-1.0	2.7	Junction
HL_FDG000065	944,306	608,374	-4.6	2.4	Junction
HL_FDG000076	940,294	614,916	-3.0	2.3	Junction
HL_FDG000077	939,137	611,231	-7.0	3.3	Junction
HL_FDG000078	938,241	611,204	-1.0	4.5	Junction
HL_FDG000124	944,231	608,371	-4.4	2.2	Junction
HL_FDG000140	941,821	610,570	-6.0	1.3	Junction
HL_FDG000148	941,836	610,268	-7.5	1.6	Junction
HL_FDG000150	941,846	610,037	-8.7	1.5	Junction
HL_FDG000155	941,844	610,085	-8.6	1.4	Junction
HL_FDG000161	940,299	613,789	-1.8	1.6	Junction
HL_FDG000167	939,402	617,539	-1.9	2.4	Junction
HL_FDG000180	941,098	609,570	-1.8	1.0	Junction
HL_FDG000214	940,599	605,587	-3.5	4.5	Junction
HL_FDG000224	944,850	613,486	-3.0	1.2	Junction
HL_FDG000245	942,534	616,561	-5.5	5.3	Junction
HL_FM000001	944,927	611,874	4.5	1.6	Junction
HL_FM000002	944,984	610,353	4.0	-3.0	Junction
HL_FM000006	940,487	612,433	-1.2	1.7	Junction
HL_IN10429	940,890	614,667	-5.0	1.8	Junction
HL_IN10433	940,825	614,777	-5.0	2.3	Junction
HL_NID10034	938,977	618,809	-5.0	1.4	Storage
HL_NID10042	940,099	618,839	-5.0	1.8	Junction
HL_NID10044	940,340	618,830	-5.0	1.2	Junction
HL_NID10046	940,641	618,843	-5.0	1.6	Junction
HL_PDP000009	941,593	606,660	-4.1	2.1	Junction
HL_PDP000033	941,536	606,618	-4.0	1.9	Junction
HL_PS000001	944,928	611,854	-7.1	-9,999.0	Junction
HL_PS000002	944,984	610,371	-6.8	-9,999.0	Junction
HL_PS000006	940,460	612,433	-5.7	1.2	Junction
HL_PS000007	941,532	606,612	-7.9	1.8	Junction
HL_PS000008	940,604	605,557	-11.6	4.7	Junction
HL_PS000009	941,853	609,199	-5.6	1.2	Junction
HL_PS000010	940,668	615,666	-10.0	2.4	Storage
HL_SDS007264	940,958	617,186	-5.0	0.7	Storage
HL_VCD000005	941,853	609,206	-2.8	1.6	Junction
HL_VCD000020	943,445	608,317	-5.8	1.5	Junction
HL_VCD000069	943,342	612,007	-3.5	1.1	Junction
NB_DMHBLB102	946,872	625,507	-2.8	2.5	Junction
NB_DMHFRK105	946,874	624,144	-5.4	1.7	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
NB_DMHFRK106	946,871	624,189	-5.0	1.5	Junction
NB_DMHFRK113	946,866	624,329	-4.6	1.8	Junction
NB_DMHFRK125	946,869	624,522	-4.4	2.2	Junction
NB_DMHFRK140	946,879	624,775	-5.0	1.5	Storage
NB_DMHFRK145	946,884	624,929	-3.9	2.1	Junction
NB_DMHFRK149	946,894	625,105	-3.7	2.0	Junction
NB_DMHFRK153	946,934	625,143	-3.4	1.5	Junction
NB_DS006249	946,619	619,903	-1.0	2.2	Junction
NB_DS006250	946,602	619,702	-2.0	2.8	Junction
NB_DS007068	946,610	619,357	-1.7	0.6	Junction
NB_DS007069	946,591	619,211	-2.0	2.0	Junction
NB_DSALN101	946,818	623,143	-2.0	1.4	Junction
NB_DSBLB103	946,879	625,424	-5.0	1.8	Storage
NB_DSBLB105	946,933	625,449	-5.0	1.3	Storage
NB_DSBLB202	946,871	625,248	-2.8	1.4	Junction
NB_DSBLB203	946,910	625,247	-5.0	1.3	Storage
NB_DSCDY101	946,734	621,165	-5.0	2.0	Storage
NB_DSFRK101	946,848	624,143	-6.1	1.8	Junction
NB_DSFRK107	946,882	624,190	-1.7	1.2	Junction
NB_DSFRK114	946,906	624,330	-2.0	1.5	Junction
NB_DSFRK150	946,908	625,105	-2.2	1.7	Junction
NB_DSFRK154	946,934	625,134	-5.0	1.0	Storage
NB_DSFRK201	946,911	624,116	-4.6	1.5	Junction
NB_DSFRK202	946,911	624,162	-5.0	1.1	Storage
NB_DSFRK205	946,846	623,606	-5.0	1.4	Storage
NB-DS007207	946,684	619,356	-5.0	1.7	Storage
NC_AGE999035	935,059	613,317	-5.0	9.7	Storage
NC_AGE999040	935,189	611,650	-5.0	10.0	Storage
NC_AGE999043	934,750	613,431	-5.0	10.2	Storage
NC_AGE999044	934,811	617,252	-5.0	10.4	Storage
NC_AGE999055	934,840	615,398	-5.0	10.0	Storage
NC_AGE999056	934,885	614,482	-5.0	10.1	Storage
NC_AGE999059	934,870	614,835	-5.0	10.0	Storage
NC_AGE999060	934,841	614,379	-5.0	-9,999.0	Storage
NC_AGE999061	934,848	615,756	-5.0	10.8	Storage
NC_DS000381	935,244	613,509	-5.0	9.6	Storage
NC_DS000426	934,415	611,162	-5.0	9.8	Storage
NC_DS000482	933,812	611,580	-5.0	9.6	Storage
NC_DS000635	933,844	610,732	-5.0	10.1	Storage
NC_DS000694	934,014	613,044	-5.0	10.7	Storage
NC_DS002721	935,335	615,744	-5.0	10.2	Storage
NC_DS002837	935,331	615,447	7.5	10.0	Junction
NC_DS003166	935,366	614,755	-5.0	9.1	Storage
NC_DS003171	935,398	614,448	7.0	9.5	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
NC_DS003298	935,309	615,101	7.0	9.7	Junction
NC_DS003871	935,535	610,774	-5.0	8.5	Storage
NC_DS004295	935,459	613,049	6.0	9.8	Junction
NC_DS004331	935,450	613,264	6.5	10.1	Junction
NC_DS004352	935,467	612,829	6.0	9.6	Junction
NC_DS004366	935,496	611,654	5.5	9.7	Junction
NC_DS004588	935,434	612,096	6.0	9.2	Junction
NC_DS004589	935,231	612,085	-5.0	9.0	Storage
NC_DS005066	935,332	616,583	7.1	10.6	Junction
NC_DS005122	934,470	611,590	-5.0	9.7	Storage
NC_DS005179	934,880	616,257	-5.0	10.9	Storage
NC_DS005187	935,159	617,078	-5.0	10.5	Storage
NC_DS005552	935,036	617,402	-5.0	9.6	Storage
NC_DS005586	935,345	616,171	7.5	10.9	Junction
NC_DS005672	933,733	613,769	-5.0	12.1	Storage
NC_DS005737	935,460	612,963	-5.0	9.5	Storage
NC_DS005860	935,426	614,003	-5.0	9.5	Storage
NC_DS005911	933,822	612,459	-5.0	10.7	Storage
NC_DS006490	935,196	618,715	-5.0	8.8	Storage
NC_DS008082	934,480	615,388	-5.0	11.0	Storage
NC_DS008380	935,474	612,515	-5.0	9.5	Storage
NC_DS008783	935,137	611,396	4.2	10.0	Junction
NC_DS008784	935,140	611,296	3.8	9.6	Junction
NC_DS008785	935,314	611,404	4.2	10.0	Junction
NC_DS008786	935,450	611,409	4.5	9.4	Junction
NC_DS008787	934,991	611,390	-5.0	9.5	Storage
NC_DS008788	934,982	611,527	3.5	9.5	Junction
NC_DS008835	933,824	611,281	-5.0	9.6	Storage
NC_DS009455	935,092	617,747	-5.0	9.4	Storage
NC_DS009729	934,872	612,675	-5.0	9.0	Storage
NC_DS009734	934,710	612,553	4.6	10.7	Junction
NC_DS009737	934,563	612,547	4.7	10.7	Junction
NC_DS009739	934,418	612,542	4.6	10.8	Junction
NC_DS009740	934,235	612,535	4.6	10.8	Junction
NC_DS009741	934,095	612,600	-5.0	9.6	Storage
NC_DS009742	934,169	612,713	4.9	11.0	Junction
NC_DS009743	934,191	612,886	4.8	9.7	Junction
NC_DS009745	934,379	612,891	4.8	10.7	Junction
NC_DS009747	934,557	612,897	4.8	10.7	Junction
NC_DS009749	934,734	612,904	4.8	10.7	Junction
PE_AGE999015	945,733	620,698	-5.0	1.7	Storage
PE_AGE999016	941,816	617,269	-5.0	0.3	Storage
PE_AGE999026	943,212	625,918	-5.0	4.3	Storage
PE_AGE999058	942,171	619,047	-5.0	2.6	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
PE_AGE999121	944,836	619,126	-5.0	3.7	Storage
PE_AGE999200	947,933	638,036	-5.0	2.3	Storage
PE_AGE999202	947,321	626,487	-5.0	2.4	Storage
PE_CICW98012	947,029	636,715	-42.6	-3.0	Junction
PE_CICW98015	946,860	630,342	-45.0	-3.0	Storage
PE_CICW98019	946,753	626,904	-16.1	-3.0	Junction
PE_CICW98020	946,726	626,054	-16.0	-3.0	Junction
PE_CICW98026	946,727	625,879	-16.1	-3.0	Junction
PE_CICW98028	946,676	624,494	-20.0	-3.0	Storage
PE_CICW98029	946,580	623,279	-16.1	-3.0	Junction
PE_CICW98030	945,966	620,147	-20.0	-3.0	Storage
PE_CICW98031	945,986	619,235	-16.1	-3.0	Junction
PE_CWL98210	943,848	625,769	-2.6	-3.0	Junction
PE_CWL98220	943,779	624,725	-2.5	-3.0	Junction
PE_CWL98230	943,435	621,066	-2.9	-3.0	Junction
PE_CWL98235	945,539	621,103	-2.4	-0.6	Junction
PE_CWL98240	943,530	620,610	-5.0	-3.0	Storage
PE_CWL98250	943,932	619,155	-4.0	-3.0	Junction
PE_CWL98260	947,827	636,286	-25.0	-3.0	Junction
PE_CWL98262	947,862	636,261	-25.0	-3.0	Junction
PE_CWL98265	948,116	636,069	-25.0	-3.0	Junction
PE_CWL98270	948,097	635,376	-25.0	-3.0	Junction
PE_CWL98275	948,000	634,071	-25.0	-3.0	Junction
PE_CWL98285	947,808	632,732	-25.0	-3.0	Storage
PE_CWL98290	947,735	632,208	-25.0	-3.0	Junction
PE_CWL98295	947,670	631,722	-25.0	-3.0	Junction
PE_CWL98300	947,671	631,691	-25.0	-3.0	Junction
PE_CWL98310	947,441	630,436	-25.0	-3.0	Junction
PE_CWL98315	947,508	630,201	-25.0	-3.0	Junction
PE_CWL98320	947,468	630,008	-25.0	-3.0	Junction
PE_CWL98325	947,418	629,886	-25.0	-3.0	Junction
PE_CWL98330	947,556	628,907	-25.0	-2.0	Junction
PE_CWL98335	947,534	628,107	-25.0	-3.0	Junction
PE_CWL98345	947,269	626,878	-25.0	-3.0	Junction
PE_DMH001533	947,778	639,638	0.4	5.3	Junction
PE_DMH001534	947,775	639,637	-2.9	5.4	Junction
PE_DO000326	941,795	619,524	-5.0	1.2	Storage
PE_DO000723	944,853	619,393	-20.0	0.9	Storage
PE_DO000730	944,953	619,386	-5.0	2.1	Storage
PE_DS001965	946,967	626,132	-2.7	3.5	Junction
PE_DS001977	947,005	626,303	-2.0	4.2	Junction
PE_DS001979	947,123	626,211	-5.0	1.7	Storage
PE_DS003177	941,816	619,569	-5.0	3.7	Storage
PE_DS003178	941,801	619,674	-2.0	3.9	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
PE_DS003179	941,929	619,602	-2.5	3.7	Junction
PE_DS003182	941,950	619,733	-2.0	3.8	Junction
PE_DS003183	941,996	619,721	-1.9	3.7	Junction
PE_DS003185	941,963	619,889	-1.5	3.6	Junction
PE_DS003186	941,847	619,876	-1.0	3.8	Junction
PE_DS004816	946,902	625,943	-4.3	3.9	Junction
PE_DS004819	947,031	625,966	-2.5	21.8	Junction
PE_DS007461	947,064	625,915	-5.0	2.8	Storage
PE_DS008198	947,789	639,612	-5.0	6.5	Storage
PS_AGE999041	936,347	608,749	-5.0	7.3	Storage
PS_AGE999045	935,987	606,619	-5.0	5.8	Storage
PS_AGE999050	936,969	606,057	-5.0	5.3	Storage
PS_AGE999051	937,045	607,098	-5.0	5.7	Storage
PS_AGE999054	936,751	605,893	-5.0	4.9	Storage
PS_AGE999057	936,385	607,328	-5.0	7.0	Storage
PS_AGE999063	937,010	607,426	-5.0	6.1	Storage
PS_DMH000284	936,975	610,458	-1.2	6.8	Junction
PS_DMH000290	935,740	610,387	2.5	8.2	Junction
PS_DMH000292	936,976	610,409	-5.0	6.7	Storage
PS_DMH000293	936,899	610,423	2.1	6.8	Junction
PS_DMH000298	936,244	610,402	2.3	7.9	Junction
PS_DMH000341	937,719	606,417	-3.5	5.0	Junction
PS_DMH000343	937,727	606,081	-4.0	5.4	Junction
PS_DMH000366	937,676	608,102	-1.2	5.8	Junction
PS_DMH000367	937,679	607,954	-1.3	6.2	Junction
PS_DMH000368	937,683	607,768	-1.5	6.1	Junction
PS_DMH000369	937,692	607,457	-2.0	5.5	Junction
PS_DMH000370	937,702	607,084	-2.5	5.1	Junction
PS_DMH000371	937,711	606,748	-2.9	5.6	Junction
PS_DMH000382	936,562	610,412	2.4	7.3	Junction
PS_DMH000383	936,343	610,405	1.4	7.8	Junction
PS_DMH000384	935,991	610,395	2.4	8.0	Junction
PS_DMH000385	937,600	610,332	1.0	6.2	Junction
PS_DMH000387	937,617	610,146	-5.0	6.3	Storage
PS_DMH000388	937,629	609,781	-0.1	6.9	Junction
PS_DMH000389	937,635	609,443	-0.3	6.2	Junction
PS_DMH000395	937,645	609,104	-0.5	6.5	Junction
PS_DMH000396	937,655	608,769	-0.7	5.7	Junction
PS_DMH000397	937,667	608,421	-1.0	6.2	Junction
PS_DMH000454	937,250	610,482	-5.0	6.9	Storage
PS_DMH000487	937,736	605,737	-4.5	4.4	Junction
PS_DMH000488	937,733	605,460	-5.0	4.7	Junction
PS_DMH000862	936,531	610,088	2.3	7.0	Junction
PS_DMH000863	936,665	610,092	2.2	6.9	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
PS_DMH000864	936,325	610,117	2.6	7.3	Junction
PS_DMH000865	936,794	610,097	2.1	6.8	Junction
PS_DMH000866	936,937	610,102	2.0	7.0	Junction
PS_DMH000868	936,352	610,081	2.4	7.5	Junction
PS_DMH001426	937,342	610,768	2.0	6.2	Junction
PS_DMH001607	937,337	610,761	-1.1	6.3	Junction
PS_DS000532	936,350	610,116	2.5	7.3	Junction
PS_DS000536	936,317	610,118	-5.0	7.1	Storage
PS_DS001566	936,395	606,731	-5.0	5.8	Storage
PS_DS001571	937,055	606,762	-5.0	5.5	Storage
PS_DS001605	937,052	606,423	-5.0	5.5	Storage
PS_DS001710	937,118	607,929	-5.0	5.9	Storage
PS_DS003292	937,599	610,424	-5.0	6.0	Storage
PS_DS003810	937,280	610,426	2.6	6.2	Junction
PS_DS003811	937,258	610,456	2.5	6.4	Junction
PS_DS003819	936,307	610,095	2.7	7.2	Junction
PS_DS003833	936,352	610,066	2.5	6.8	Junction
PS_DS003884	936,951	610,411	-2.7	6.8	Junction
PS_DS003886	936,309	610,064	-5.0	6.7	Storage
PS_DS003919	937,361	610,523	1.5	6.5	Junction
PS_DS003932	936,965	610,746	-5.0	7.0	Storage
PS_DS003936	937,104	610,744	-1.0	6.8	Junction
PS_DS003938	936,333	610,715	0.5	6.9	Junction
PS_DS004421	937,021	609,763	0.0	6.2	Junction
PS_DS004423	935,770	610,077	3.9	7.4	Junction
PS_DS004427	936,976	609,414	-5.0	7.1	Storage
PS_DS004442	935,770	609,739	3.9	7.8	Junction
PS_DS004451	935,743	610,338	2.6	7.8	Junction
PS_DS004469	936,410	608,076	4.0	7.2	Junction
PS_DS004486	937,046	609,079	4.0	7.4	Junction
PS_DS004490	937,073	605,716	-5.0	6.0	Storage
PS_DS004491	937,012	608,103	-5.0	6.5	Storage
PS_DS004505	937,069	608,105	3.0	6.4	Junction
PS_DS004607	936,356	608,074	-5.0	7.3	Storage
PS_DS004613	936,967	609,761	-5.0	6.2	Storage
PS_DS004614	935,772	609,713	-5.0	7.8	Storage
PS_DS004617	935,777	609,404	3.9	7.4	Junction
PS_DS004619	937,038	609,417	4.0	7.0	Junction
PS_DS004620	935,778	609,370	3.8	7.7	Junction
PS_DS004627	935,788	609,064	-5.0	7.3	Storage
PS_DS004630	936,985	609,078	-5.0	7.6	Storage
PS_DS004687	937,713	605,459	-5.0	4.2	Storage
PS_DS004700	936,451	605,410	-5.0	6.3	Storage
PS_DS005820	935,763	609,603	3.9	7.6	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
PS_DS006439	936,747	610,417	2.2	7.0	Junction
PS_DS006443	937,579	609,776	-5.0	6.4	Storage
PS_DS007157	936,900	610,412	1.9	6.6	Junction
PS_DS007168	937,101	605,429	-4.0	5.2	Junction
PS_DS007170	937,058	605,428	-3.9	5.3	Junction
PS_DS007192	937,682	606,422	-5.0	4.4	Storage
PS_DS007193	937,698	606,079	-5.0	4.7	Storage
PS_DS007218	937,636	608,100	-5.0	5.2	Storage
PS_DS007220	937,646	607,766	-5.0	5.3	Storage
PS_DS007221	937,652	607,468	-5.0	4.3	Storage
PS_DS007224	937,668	607,095	-5.0	4.6	Storage
PS_DS007225	937,670	606,758	-5.0	4.7	Storage
PS_DS007249	937,593	609,436	-5.0	5.3	Storage
PS_DS007256	937,608	609,099	0.0	6.0	Junction
PS_DS007259	937,615	608,762	-5.0	5.2	Storage
PS_DS007261	937,627	608,424	-0.5	5.5	Junction
PS_DS007287	937,559	605,447	-4.5	4.4	Junction
PS_DS007288	937,683	605,457	-4.8	4.0	Junction
PS_DS007290	937,703	605,742	-3.5	3.8	Junction
PS_DS007304	936,743	605,415	-3.5	5.9	Junction
PS_DS007558	937,539	610,491	-0.5	5.1	Junction
PS_DS007559	937,520	610,542	-0.6	5.7	Junction
PS_DS007560	937,435	610,532	-0.7	4.7	Junction
PS_DS007568	937,372	610,731	-1.0	5.6	Junction
PS_DS007569	937,324	610,653	-0.9	5.3	Junction
PS_DS009430	936,140	608,517	-5.0	6.9	Storage
PS_FDG000064	937,712	606,688	-3.0	5.4	Junction
RP_AGE999017	935,928	614,172	-5.0	8.7	Storage
RP_AGE999018	936,145	614,639	-5.0	6.1	Storage
RP_AGE999019	936,770	616,799	-5.0	7.9	Storage
RP_AGE999020	936,733	617,142	-5.0	7.9	Storage
RP_AGE999021	935,651	611,263	-5.0	9.4	Storage
RP_AGE999023	936,822	613,830	-5.0	7.7	Storage
RP_AGE999024	936,796	615,796	-5.0	7.6	Storage
RP_AGE999025	936,243	612,799	-5.0	8.0	Storage
RP_AGE999029	937,031	613,581	-5.0	6.6	Storage
RP_AGE999030	935,561	614,043	-5.0	9.5	Storage
RP_AGE999064	935,418	617,760	-5.0	9.6	Storage
RP_AGE999066	936,813	616,351	-5.0	8.4	Storage
RP_DMH000166	936,400	618,793	1.8	9.7	Junction
RP_DMH000169	937,458	618,338	-0.7	8.1	Junction
RP_DMH000189	937,458	618,157	-1.4	7.6	Junction
RP_DMH000194	937,455	618,505	0.1	7.9	Junction
RP_DMH000200	937,478	616,492	0.3	7.5	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
RP_DMH000240	937,511	613,476	-0.2	6.1	Junction
RP_DMH000241	937,510	613,513	0.4	5.9	Junction
RP_DMH000275	936,277	611,090	3.6	7.8	Junction
RP_DMH000330	935,459	618,763	0.5	10.2	Junction
RP_DMH000335	937,483	615,924	0.2	7.2	Junction
RP_DMH000344	937,502	614,182	-0.1	6.1	Junction
RP_DMH000349	935,583	610,758	4.2	9.8	Junction
RP_DMH000391	937,492	615,183	1.4	6.4	Junction
RP_DMH000393	937,423	618,156	-5.0	7.2	Storage
RP_DMH000398	937,442	616,493	-5.0	7.0	Storage
RP_DMH000415	937,522	613,166	0.9	7.1	Junction
RP_DMH000416	937,519	613,187	0.9	7.1	Junction
RP_DMH000417	937,521	613,149	0.8	7.0	Junction
RP_DMH000418	937,532	612,829	0.6	6.4	Junction
RP_DMH000419	937,488	612,832	-5.0	6.4	Storage
RP_DMH000422	937,483	616,180	0.6	6.9	Junction
RP_DMH000424	937,543	612,494	-0.3	6.9	Junction
RP_DMH000425	937,503	612,494	0.6	6.4	Junction
RP_DMH000429	937,550	612,144	-0.9	6.2	Junction
RP_DMH000430	937,512	612,156	-5.0	6.2	Storage
RP_DMH000433	937,563	611,819	0.3	6.8	Junction
RP_DMH000434	937,526	611,818	-5.0	6.6	Storage
RP_DMH000436	937,567	611,650	0.8	6.6	Junction
RP_DMH000440	937,574	611,191	1.2	6.7	Junction
RP_DMH000441	937,345	610,823	-2.8	6.2	Junction
RP_DMH000444	936,884	611,121	1.6	7.1	Junction
RP_DMH000445	936,679	611,113	0.8	7.3	Junction
RP_DMH000446	936,591	611,112	1.6	7.4	Junction
RP_DMH000447	936,344	611,093	2.2	7.6	Junction
RP_DMH000450	936,965	610,809	-1.5	7.0	Junction
RP_DMH000457	937,433	617,159	-5.0	7.5	Storage
RP_DMH000458	937,472	617,134	0.3	7.5	Junction
RP_DMH000459	937,439	616,825	-5.0	7.2	Storage
RP_DMH000463	937,130	618,796	3.5	7.4	Junction
RP_DMH000464	937,499	614,312	0.8	5.9	Junction
RP_DMH000466	937,467	617,493	-0.5	7.9	Junction
RP_DMH000467	937,463	617,826	0.0	7.9	Junction
RP_DMH000477	937,476	616,829	-0.1	7.9	Junction
RP_DMH000480	937,498	614,818	-5.0	7.0	Storage
RP_DMH000481	937,446	616,171	-5.0	6.2	Storage
RP_DMH000482	937,529	611,478	1.4	5.9	Junction
RP_DMH000483	937,575	611,413	1.5	6.0	Junction
RP_DMH000484	937,578	611,274	0.8	6.6	Junction
RP_DMH000485	937,571	611,271	0.8	6.5	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
RP_DMH000526	937,430	617,491	-5.0	7.2	Storage
RP_DMH000528	937,462	617,960	-0.6	8.0	Junction
RP_DMH000564	937,510	613,630	0.1	6.1	Junction
RP_DMH000565	937,510	613,701	0.4	6.2	Junction
RP_DMH000566	937,497	614,916	1.5	7.0	Junction
RP_DMH000924	937,109	610,809	-2.0	7.4	Junction
RP_DMH001012	937,580	611,504	1.3	6.3	Junction
RP_DMH001427	937,302	610,876	2.0	5.6	Junction
RP_DMH001608	937,297	610,883	-5.0	5.3	Storage
RP_DMH001610	937,238	611,112	1.3	7.1	Junction
RP_DMH001748	937,295	611,461	2.5	6.5	Junction
RP_DMH001890	937,488	615,515	0.9	6.7	Junction
RP_DMH001892	937,475	613,482	-5.0	5.5	Storage
RP_DMH001893	937,543	612,419	0.3	6.8	Junction
RP_DMH001894	936,100	618,781	1.4	10.1	Junction
RP_DS000366	935,382	616,171	-5.0	10.9	Storage
RP_DS002719	935,398	615,744	7.1	10.4	Junction
RP_DS002832	935,394	615,850	7.2	10.2	Junction
RP_DS002860	937,459	617,608	0.0	7.3	Junction
RP_DS002871	936,225	613,824	-5.0	7.8	Storage
RP_DS003006	935,568	611,166	4.7	9.4	Junction
RP_DS003167	935,441	614,635	6.6	10.0	Junction
RP_DS003169	935,437	614,757	-5.0	9.7	Storage
RP_DS003175	935,577	610,966	4.6	9.2	Junction
RP_DS003272	935,404	615,590	7.0	10.4	Junction
RP_DS003274	935,411	615,427	6.9	10.4	Junction
RP_DS003277	935,417	615,265	6.8	10.2	Junction
RP_DS003280	937,533	611,505	1.3	6.0	Junction
RP_DS003285	936,275	611,423	4.2	7.6	Junction
RP_DS003290	937,356	611,089	-5.0	6.8	Storage
RP_DS003297	935,424	615,104	6.7	10.2	Junction
RP_DS003301	937,467	614,312	-5.0	5.4	Storage
RP_DS003678	935,751	610,764	3.3	8.7	Junction
RP_DS003723	936,258	612,459	-5.0	7.8	Storage
RP_DS003726	936,960	611,808	4.0	6.8	Junction
RP_DS003745	936,282	611,451	4.1	7.5	Junction
RP_DS003752	936,278	611,133	-5.0	7.7	Storage
RP_DS003768	936,345	611,136	2.6	7.6	Junction
RP_DS003778	936,333	610,785	0.0	8.0	Junction
RP_DS003779	936,277	611,086	3.6	7.6	Junction
RP_DS003781	936,924	611,157	1.6	6.6	Junction
RP_DS003869	935,555	610,966	4.5	9.3	Junction
RP_DS003870	935,585	610,801	4.5	9.5	Junction
RP_DS003872	935,561	610,856	4.4	9.3	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
RP_DS003904	936,266	613,431	4.1	7.4	Junction
RP_DS003906	936,054	613,139	-5.0	8.2	Storage
RP_DS003907	936,299	612,460	5.0	7.7	Junction
RP_DS003909	936,918	611,807	-5.0	7.0	Storage
RP_DS003910	936,318	611,785	6.7	7.6	Junction
RP_DS003911	936,268	611,784	-5.0	7.7	Storage
RP_DS003914	936,321	611,452	4.0	7.5	Junction
RP_DS003917	936,932	611,447	-5.0	6.8	Storage
RP_DS003918	936,990	611,157	1.6	6.2	Junction
RP_DS003921	936,961	611,132	1.5	7.0	Junction
RP_DS003922	936,992	611,134	1.5	7.0	Junction
RP_DS003923	936,992	611,113	1.5	6.4	Junction
RP_DS003929	936,344	611,088	2.5	7.6	Junction
RP_DS003930	936,965	610,960	0.0	7.0	Junction
RP_DS003931	936,965	610,829	-5.0	6.5	Storage
RP_DS003933	937,076	610,832	-1.0	6.5	Junction
RP_DS003934	936,646	610,797	-1.0	7.6	Junction
RP_DS003935	936,090	610,776	1.5	8.2	Junction
RP_DS004292	935,558	611,456	4.9	9.5	Junction
RP_DS004296	935,499	613,050	5.9	9.9	Junction
RP_DS004332	935,491	613,265	6.0	10.0	Junction
RP_DS004339	935,487	613,385	6.1	10.2	Junction
RP_DS004349	936,890	612,798	5.1	7.6	Junction
RP_DS004353	935,508	612,831	5.8	9.5	Junction
RP_DS004354	936,924	613,137	-5.0	7.1	Storage
RP_DS004356	935,523	612,409	5.5	9.9	Junction
RP_DS004360	935,526	612,307	5.4	9.8	Junction
RP_DS004367	935,551	611,646	5.0	9.9	Junction
RP_DS004379	935,544	611,816	5.1	10.3	Junction
RP_DS004395	935,566	611,246	-5.0	9.4	Storage
RP_DS004603	935,519	612,515	5.6	9.6	Junction
RP_DS004606	935,512	612,697	-5.0	9.6	Storage
RP_DS004644	937,484	613,150	2.1	6.5	Junction
RP_DS004647	936,934	612,800	5.0	7.7	Junction
RP_DS004649	936,942	612,484	5.0	7.8	Junction
RP_DS004651	936,899	612,483	-5.0	7.6	Storage
RP_DS004656	936,951	612,147	4.0	7.0	Junction
RP_DS004657	936,909	612,145	-5.0	7.2	Storage
RP_DS004666	937,294	611,493	2.3	6.3	Junction
RP_DS004680	937,572	611,506	-5.0	6.2	Storage
RP_DS004727	936,968	611,450	3.9	6.7	Junction
RP_DS004771	935,541	611,945	5.2	10.1	Junction
RP_DS004773	935,535	612,100	5.3	10.0	Junction
RP_DS005067	935,368	616,583	7.0	10.8	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
RP_DS005079	936,139	616,162	-5.0	8.7	Storage
RP_DS005110	937,452	615,477	-5.0	6.2	Storage
RP_DS005207	937,496	614,093	0.8	5.8	Junction
RP_DS005502	936,778	618,458	-5.0	8.0	Storage
RP_DS005596	936,841	615,498	-5.0	7.5	Storage
RP_DS005611	937,220	615,834	-5.0	6.2	Storage
RP_DS005698	935,477	613,639	6.3	10.3	Junction
RP_DS005721	936,905	613,458	-5.0	6.3	Storage
RP_DS005851	935,448	614,445	6.6	10.4	Junction
RP_DS005853	935,457	614,191	-5.0	9.6	Storage
RP_DS005857	935,470	613,861	6.4	9.8	Junction
RP_DS005859	935,464	614,005	6.5	9.7	Junction
RP_DS005861	935,581	610,856	4.3	8.9	Junction
RP_DS005921	937,440	615,182	-5.0	5.9	Storage
RP_DS005928	935,386	616,073	7.3	11.0	Junction
RP_DS005930	935,513	616,737	7.0	10.9	Junction
RP_DS005931	935,481	616,738	7.1	10.5	Junction
RP_DS005937	936,232	613,492	-5.0	7.6	Storage
RP_DS005986	935,936	616,796	-5.0	9.2	Storage
RP_DS005993	936,198	614,582	-5.0	8.3	Storage
RP_DS005995	936,853	614,628	-5.0	8.1	Storage
RP_DS006001	935,484	613,461	6.2	10.6	Junction
RP_DS006258	935,739	618,742	-5.0	8.9	Storage
RP_DS006299	936,760	618,770	3.0	7.8	Junction
RP_DS006316	937,418	618,507	2.0	6.9	Junction
RP_DS006317	936,048	618,606	-5.0	9.0	Storage
RP_DS006327	935,895	617,463	-5.0	9.0	Storage
RP_DS006383	936,330	610,807	0.2	6.9	Junction
RP_DS006486	936,924	611,108	-5.0	6.6	Storage
RP_DS006496	937,448	618,643	-5.0	7.6	Storage
RP_DS006497	937,139	618,778	-5.0	7.3	Storage
RP_DS007271	937,281	611,169	1.5	5.9	Junction
RP_DS007275	937,205	611,118	-5.0	6.6	Storage
RP_DS007285	937,541	611,279	1.0	6.0	Junction
RP_DS007571	937,327	610,962	-1.3	5.2	Junction
RP_DS007572	937,381	611,046	-1.1	5.0	Junction
RP_DS007575	937,539	611,135	-0.8	5.2	Junction
RP_DS007734	935,614	618,172	-5.0	8.8	Storage
RP_DS008610	937,576	611,183	1.5	7.3	Junction
RP_DS008621	937,239	611,100	1.5	6.4	Junction
RP_DS008841	936,707	618,144	-5.0	8.1	Storage
RP_DS009188	936,098	615,746	-5.0	2.9	Storage
RP_DS009379	936,269	613,486	4.0	7.6	Junction
RP_DS009450	935,967	617,769	-5.0	8.2	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
RP_FDG000040	936,474	610,788	-0.5	7.8	Junction
RP_FDG000079	936,202	610,780	0.8	8.1	Junction
SCB_AGE999203	946,603	610,586	-5.0	4.8	Storage
SCB_AGE999204	946,407	609,003	-5.0	6.2	Storage
SCB_DMH000170	946,597	618,324	-1.1	2.7	Junction
SCB_DMH000195	946,529	617,467	-1.9	1.9	Junction
SCB_DMH000203	946,467	616,850	-1.9	2.1	Junction
SCB_DMH000204	945,920	607,629	-2.5	1.1	Junction
SCB_DMH000206	946,405	616,267	-2.4	2.2	Junction
SCB_DMH000207	946,387	616,058	-2.1	1.9	Junction
SCB_DMH000211	946,284	615,613	-2.7	1.9	Junction
SCB_DMH000225	946,195	614,170	-2.8	2.2	Junction
SCB_DMH000248	946,073	612,492	-2.6	1.8	Junction
SCB_DMH000249	946,067	612,326	-2.3	1.7	Junction
SCB_DMH000252	946,048	612,090	-1.5	1.6	Junction
SCB_DMH000253	945,969	611,901	-2.5	1.7	Junction
SCB_DMH000255	945,967	610,680	-2.7	2.1	Junction
SCB_DMH000257	946,100	611,532	-1.9	1.7	Junction
SCB_DMH000258	946,021	611,523	-2.5	3.0	Junction
SCB_DMH000261	945,994	610,928	-2.3	2.7	Junction
SCB_DMH000283	945,935	610,450	-2.8	1.7	Junction
SCB_DMH000288	945,878	609,655	-2.4	1.9	Junction
SCB_DMH000294	945,877	609,473	-3.5	1.6	Junction
SCB_DMH000300	945,830	610,466	-3.9	1.8	Junction
SCB_DMH000301	945,878	610,466	-3.3	2.4	Junction
SCB_DMH000308	945,784	608,908	-3.0	2.2	Junction
SCB_DMH000312	945,736	607,912	-3.3	3.1	Junction
SCB_DMH000313	945,780	607,921	-3.1	2.7	Junction
SCB_DMH000317	945,923	606,809	-1.7	1.3	Junction
SCB_DMH000324	945,515	603,031	-3.4	2.8	Junction
SCB_DMH000325	945,464	602,414	-0.5	2.6	Junction
SCB_DMH000331	945,673	604,372	-5.0	3.1	Storage
SCB_DMH000332	945,670	604,307	-1.0	2.9	Junction
SCB_DMH000336	946,173	613,964	-3.8	2.3	Junction
SCB_DMH000337	946,157	613,795	-3.2	2.1	Junction
SCB_DMH000346	946,512	617,295	-2.1	1.9	Junction
SCB_DMH000350	946,359	615,818	-2.1	2.1	Junction
SCB_DMH000365	946,631	618,760	-2.1	2.3	Junction
SCB_DMH000380	945,535	603,303	-5.0	2.3	Storage
SCB_DMH000381	945,550	603,503	-4.0	2.7	Junction
SCB_DMH000390	945,862	607,214	-3.3	2.3	Junction
SCB_DMH000489	946,444	616,641	-2.4	2.1	Junction
SCB_DMH000490	945,744	608,427	-2.0	1.9	Junction
SCB_DMH000508	945,907	606,627	-1.7	1.2	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
SCB_DMH000509	945,873	606,437	-1.0	2.1	Junction
SCB_DMH000510	945,863	606,221	-2.0	2.0	Junction
SCB_DMH000511	945,846	605,949	-1.5	2.0	Junction
SCB_DMH000513	945,437	602,079	-3.0	1.9	Junction
SCB_DMH000519	945,929	607,417	-1.6	1.4	Junction
SCB_DMH000520	945,902	607,216	-2.9	2.9	Junction
SCB_DMH000543	946,490	617,091	-1.7	2.4	Junction
SCB_DMH000544	946,608	618,532	-1.3	1.9	Junction
SCB_DMH000545	946,628	618,530	-1.0	1.4	Junction
SCB_DMH000546	946,586	618,087	-2.4	2.4	Junction
SCB_DMH000547	946,576	617,914	-1.9	2.1	Junction
SCB_DMH000549	946,555	617,706	-1.8	2.1	Junction
SCB_DMH000551	946,402	616,230	-2.2	2.0	Junction
SCB_DMH000552	946,372	616,456	-2.6	1.6	Junction
SCB_DMH000553	946,340	615,613	-2.7	2.0	Junction
SCB_DMH000555	946,319	615,407	-2.1	2.1	Junction
SCB_DMH000556	946,298	615,200	-2.8	2.1	Junction
SCB_DMH000558	946,246	614,706	-3.1	2.3	Junction
SCB_DMH000559	946,240	614,619	-2.9	1.9	Junction
SCB_DMH000560	946,220	614,408	-2.7	2.1	Junction
SCB_DMH000561	946,278	614,996	-2.9	2.2	Junction
SCB_DMH000849	945,980	611,523	-2.7	3.5	Junction
SCB_DMH000878	945,716	604,077	-7.4	3.0	Junction
SCB_DMH000897	945,612	604,108	-6.3	2.5	Junction
SCB_DMH000898	945,580	604,111	-6.0	3.1	Junction
SCB_DMH000899	946,118	603,726	0.5	8.5	Junction
SCB_DMH000900	946,125	603,223	-5.0	9.9	Storage
SCB_DMH000945	946,259	614,807	-3.0	2.1	Junction
SCB_DMH001485	945,782	606,290	-4.0	2.3	Junction
SCB_DMH001551	945,783	608,026	-2.4	2.6	Junction
SCB_DMH001552	945,808	608,443	-1.3	1.9	Junction
SCB_DMH001553	945,803	609,268	-2.7	3.1	Junction
SCB_DMH001554	945,906	610,668	-3.0	3.0	Junction
SCB_DMH001803	946,077	604,046	-0.8	6.6	Junction
SCB_DMH001819	946,076	604,028	-0.7	11.7	Junction
SCB_DMH001820	946,075	604,025	3.0	11.7	Junction
SCB_DMH001822	945,854	606,630	-3.8	2.8	Junction
SCB_DMH001824	945,869	606,819	-2.1	2.6	Junction
SCB_DMH001825	945,939	607,009	-2.2	1.0	Junction
SCB_DMH001826	945,888	607,020	-2.8	2.7	Junction
SCB_DMH001826-1	945,888	607,020	-2.8	2.7	Junction
SCB_DMH001828	945,896	607,423	-1.8	2.6	Junction
SCB_DMH001832	945,842	607,811	-2.9	2.8	Junction
SCB_DMH001834	945,802	608,029	-2.3	3.0	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
SCB_DMH001835	945,750	609,069	-4.4	1.9	Junction
SCB_DMH001873	946,040	611,974	-1.8	1.8	Junction
SCB_DMH001898	946,152	613,320	-2.5	1.7	Junction
SCB_DMH001899	946,143	613,502	-4.3	2.8	Junction
SCB_DMH001900	946,116	613,510	-4.2	2.9	Junction
SCB_DS000353	946,555	618,537	-5.0	1.8	Storage
SCB_DS000359	946,534	618,091	-5.0	1.7	Storage
SCB_DS000595	945,730	604,586	-1.5	1.8	Junction
SCB_DS000608	946,172	604,017	0.9	12.9	Junction
SCB_DS000699	946,153	603,788	-5.0	8.4	Storage
SCB_DS000700	946,152	603,527	0.6	8.4	Junction
SCB_DS000920	945,893	608,823	-5.0	3.8	Storage
SCB_DS000923	945,876	608,434	-5.0	3.3	Storage
SCB_DS002821	946,557	617,469	-5.0	1.6	Storage
SCB_DS002823	946,500	617,690	-1.4	1.6	Junction
SCB_DS003366	946,629	618,501	-5.0	1.9	Storage
SCB_DS003368	946,513	617,088	-5.0	2.3	Storage
SCB_DS003369	946,613	618,086	-5.0	1.9	Storage
SCB_DS003370	946,598	617,912	-5.0	1.4	Storage
SCB_DS003708	946,093	613,520	-5.0	1.9	Storage
SCB_DS003709	946,077	613,323	-1.0	1.7	Junction
SCB_DS003714	946,018	612,706	-1.8	1.4	Junction
SCB_DS003716	946,009	612,471	-3.2	-9,999.0	Junction
SCB_DS003718	946,031	612,899	-2.4	0.7	Junction
SCB_DS003721	946,037	613,103	-2.3	1.4	Junction
SCB_DS003731	946,086	611,880	-5.0	1.2	Storage
SCB_DS003735	946,038	611,853	-1.8	1.7	Junction
SCB_DS003747	946,148	611,526	-5.0	1.1	Storage
SCB_DS003748	946,056	611,524	-2.2	2.2	Junction
SCB_DS003758	945,897	611,471	-3.1	2.8	Junction
SCB_DS003759	945,961	611,520	-2.9	2.9	Junction
SCB_DS003796	945,835	609,660	-2.7	3.3	Junction
SCB_DS003800	945,842	610,258	-2.7	1.3	Junction
SCB_DS003803	945,847	609,864	-3.4	3.1	Junction
SCB_DS003821	945,768	609,465	-4.8	2.2	Junction
SCB_DS003822	945,816	609,465	-4.5	3.4	Junction
SCB_DS003832	945,885	609,727	-1.5	1.5	Junction
SCB_DS003835	945,935	610,049	-5.0	1.7	Storage
SCB_DS003947	946,081	612,528	-5.0	1.1	Storage
SCB_DS003957	946,449	616,469	-5.0	0.9	Storage
SCB_DS003982	946,471	616,645	-5.0	0.9	Storage
SCB_DS003983	946,500	616,852	-5.0	1.5	Storage
SCB_DS004283	945,909	607,803	-5.0	1.2	Storage
SCB_DS004284	945,942	607,635	-5.0	0.8	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
SCB_DS004286	945,752	608,454	-5.0	1.5	Storage
SCB_DS004391	945,986	611,296	-1.9	3.9	Junction
SCB_DS004392	946,021	611,277	-2.0	2.4	Junction
SCB_DS004399	945,893	610,678	-5.0	2.2	Storage
SCB_DS004463	945,882	608,042	-5.0	1.3	Storage
SCB_DS004472	945,790	609,065	-4.2	2.5	Junction
SCB_DS004497	945,858	608,211	-5.0	1.3	Storage
SCB_DS004559	945,503	602,998	-1.0	3.0	Junction
SCB_DS004560	945,436	602,415	-5.0	1.5	Storage
SCB_DS004570	945,860	605,803	-5.0	0.9	Storage
SCB_DS004690	945,928	606,635	-5.0	1.1	Storage
SCB_DS004704	945,835	608,444	-1.0	1.5	Junction
SCB_DS004706	945,960	606,998	-5.0	0.7	Storage
SCB_DS004707	945,946	606,835	-5.0	0.6	Storage
SCB_DS004711	945,961	607,433	-5.0	0.8	Storage
SCB_DS004716	945,971	607,198	-5.0	0.7	Storage
SCB_DS004717	945,962	607,034	-1.5	0.5	Junction
SCB_DS005077	946,408	616,058	-5.0	1.6	Storage
SCB_DS005253	946,409	616,027	-1.8	2.0	Junction
SCB_DS005254	946,368	615,614	-5.0	1.4	Storage
SCB_DS005685	946,087	613,782	-1.8	1.2	Junction
SCB_DS005711	946,105	613,983	-5.0	1.0	Storage
SCB_DS006027	946,437	616,234	-5.0	1.6	Storage
SCB_DS006028	946,326	616,380	-2.5	1.9	Junction
SCB_DS006384	945,960	610,452	-5.0	1.1	Storage
SCB_DS006390	945,933	609,879	-5.0	1.0	Storage
SCB_DS006391	945,911	609,651	-5.0	1.0	Storage
SCB_DS006392	945,831	610,269	-5.0	1.0	Storage
SCB_DS006393	945,801	609,866	-3.9	1.8	Junction
SCB_DS006396	945,853	610,061	-2.0	2.8	Junction
SCB_DS006398	945,902	609,480	-5.0	1.1	Storage
SCB_DS006403	945,837	610,426	-2.0	0.9	Junction
SCB_DS006404	945,953	610,280	-5.0	0.9	Storage
SCB_DS007076	946,624	618,321	-5.0	2.1	Storage
SCB_DS007079	946,522	617,897	-1.4	1.4	Junction
SCB_DS007081	946,479	617,485	-1.5	1.3	Junction
SCB_DS007082	946,463	617,287	-5.0	1.8	Storage
SCB_DS007083	946,289	615,627	-5.0	1.6	Storage
SCB_DS007085	946,206	614,807	-1.2	1.6	Junction
SCB_DS007087	945,876	609,080	-5.0	1.1	Storage
SCB_DS007089	946,169	614,393	-1.3	1.9	Junction
SCB_DS007091	946,224	614,172	-5.0	1.6	Storage
SCB_DS007092	946,148	614,184	-2.2	1.8	Junction
SCB_DS007094	946,201	613,967	-5.0	0.9	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
SCB_DS007095	946,110	613,796	-2.0	2.0	Junction
SCB_DS007098	946,131	613,971	-3.9	2.4	Junction
SCB_DS007102	946,008	612,289	-2.0	1.4	Junction
SCB_DS007103	946,021	612,492	-5.0	1.4	Storage
SCB_DS007104	946,034	612,705	-1.5	1.5	Junction
SCB_DS007105	946,047	612,902	-2.0	1.5	Junction
SCB_DS007107	946,129	612,921	-1.4	1.1	Junction
SCB_DS007108	946,149	613,092	-5.0	1.2	Storage
SCB_DS007109	946,059	613,103	-5.0	1.3	Storage
SCB_DS007114	946,143	612,323	-5.0	1.0	Storage
SCB_DS007115	946,143	612,493	-5.0	1.2	Storage
SCB_DS007118	946,083	612,092	-5.0	1.3	Storage
SCB_DS007120	945,983	611,914	-2.5	1.4	Junction
SCB_DS007123	946,035	611,891	-2.1	1.9	Junction
SCB_DS007124	945,972	611,707	-1.0	2.7	Junction
SCB_DS007125	946,036	611,768	-0.7	2.0	Junction
SCB_DS007127	945,997	612,107	-5.0	1.1	Storage
SCB_DS007128	946,139	611,695	-5.0	1.4	Storage
SCB_DS007129	946,065	611,691	-1.8	1.2	Junction
SCB_DS007130	946,023	611,690	-2.2	2.8	Junction
SCB_DS007131	945,969	610,707	-2.6	2.1	Junction
SCB_DS007134	946,092	611,456	-5.0	2.1	Storage
SCB_DS007135	946,028	611,387	-5.0	2.2	Storage
SCB_DS007137	945,958	611,312	-0.5	2.7	Junction
SCB_DS007145	945,759	609,234	-1.5	1.9	Junction
SCB_DS007156	945,889	609,280	-5.0	0.8	Storage
SCB_DS007159	945,984	610,649	-5.0	1.1	Storage
SCB_DS007161	945,752	608,881	-5.0	1.3	Storage
SCB_DS007164	945,828	607,611	-5.0	1.9	Storage
SCB_DS007165	945,797	607,813	-2.9	2.2	Junction
SCB_DS007173	945,696	605,192	-5.0	1.7	Storage
SCB_DS007175	945,507	601,875	-3.4	1.7	Junction
SCB_DS007176	945,723	604,498	-1.0	2.1	Junction
SCB_DS007179	945,586	602,933	-5.0	2.6	Storage
SCB_DS007180	945,569	602,668	-5.0	2.2	Storage
SCB_DS007198	946,538	617,292	-5.0	1.4	Storage
SCB_DS007202	945,780	605,183	-5.0	1.8	Storage
SCB_DS007203	945,683	603,988	-5.0	2.4	Storage
SCB_DS007204	946,387	615,819	-5.0	1.7	Storage
SCB_DS007214	946,654	618,863	-1.8	1.9	Junction
SCB_DS007215	946,572	618,741	-2.6	1.8	Junction
SCB_DS007216	946,551	619,086	-2.0	2.2	Junction
SCB_DS007229	945,799	606,428	-3.8	2.3	Junction
SCB_DS007230	945,781	606,228	-5.0	2.1	Storage

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
SCB_DS007231	945,767	606,032	-3.8	2.0	Junction
SCB_DS007232	945,751	605,834	-5.0	1.8	Storage
SCB_DS007233	945,670	604,870	-3.3	2.1	Junction
SCB_DS007234	945,636	604,477	-5.0	2.1	Storage
SCB_DS007235	945,629	604,392	-1.8	2.1	Junction
SCB_DS007236	945,622	604,296	-0.5	1.8	Junction
SCB_DS007237	945,595	603,996	-2.8	2.6	Junction
SCB_DS007238	945,636	603,480	-1.7	2.8	Junction
SCB_DS007239	945,560	603,632	-5.0	2.4	Storage
SCB_DS007240	945,833	606,826	-5.0	1.9	Storage
SCB_DS007253	945,850	607,026	-3.1	2.1	Junction
SCB_DS007254	945,487	602,676	-2.0	2.2	Junction
SCB_DS007255	945,817	606,631	-3.0	2.2	Junction
SCB_DS007282	946,123	612,721	-1.2	1.7	Junction
SCB_DS007283	946,130	612,892	-1.7	1.4	Junction
SCB_DS007291	946,425	616,462	-2.7	2.2	Junction
SCB_DS007292	945,518	602,054	-5.0	1.9	Storage
SCB_DS007293	945,767	608,023	-2.7	2.4	Junction
SCB_DS007294	945,749	608,222	-1.2	2.1	Junction
SCB_DS007296	945,432	602,009	-3.4	1.9	Junction
SCB_DS007308	945,842	608,873	-2.0	1.4	Junction
SCB_DS007311	945,853	607,421	-5.0	1.9	Storage
SCB_DS007322	946,581	617,704	-5.0	1.2	Storage
SCB_DS007325	946,420	616,867	-5.0	1.7	Storage
SCB_DS007326	946,393	616,659	-1.3	1.8	Junction
SCB_DS007327	946,352	616,248	-5.0	1.7	Storage
SCB_DS007328	946,335	616,043	-1.3	2.0	Junction
SCB_DS007329	946,309	615,835	-1.5	1.7	Junction
SCB_DS007331	946,346	615,409	-5.0	1.3	Storage
SCB_DS007333	946,248	615,217	-5.0	1.6	Storage
SCB_DS007334	946,326	615,202	-5.0	1.6	Storage
SCB_DS007335	946,268	614,614	-5.0	1.3	Storage
SCB_DS007336	946,290	614,791	-5.0	1.4	Storage
SCB_DS007338	946,186	614,600	-5.0	1.3	Storage
SCB_DS007340	946,246	614,407	-5.0	1.4	Storage
SCB_DS007342	946,305	614,997	-5.0	1.3	Storage
SCB_DS007344	946,269	615,422	-1.1	1.6	Junction
SCB_DS007345	946,226	615,012	-1.3	1.4	Junction
SCB_DS008172	945,633	603,255	-5.0	2.1	Storage
SCB_DS008256	946,052	610,683	-2.0	0.7	Junction
SCB_DS008622	946,084	613,733	-1.7	1.5	Junction
SCB_DS009385	946,166	613,317	-5.0	1.7	Storage
SCB_DS009388	946,151	613,501	-1.4	2.8	Junction
SCB_DS009391	946,192	613,773	-3.6	1.9	Junction

Table HE-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
SCB_DS009392	946,188	613,708	-5.0	1.9	Storage
SCB_DS009564	946,206	606,432	-5.0	4.0	Storage
SCB_DS010018	946,387	616,024	-1.5	0.8	Junction
SCB_FDG000031	946,176	614,718	-3.1	1.0	Junction
SCB_FDG000044	945,651	610,577	-3.7	1.9	Junction
SCB_FDG000075	945,578	603,785	-3.5	2.9	Junction
SCB_FDG000114	945,418	601,904	-5.0	2.3	Storage
SCB_NID10050	945,647	604,590	-3.7	1.8	Junction
SCB_NID12244	945,849	606,823	-2.0	2.2	Junction
SCB_NID12248	945,865	607,023	-3.0	2.4	Junction
SCB_NID14164	945,833	606,631	-3.8	2.6	Junction
SCB_NID15950	946,259	614,791	-3.0	2.0	Junction
SCB_NID15951	946,135	613,329	-3.0	2.2	Junction
SCB_NID15953	945,866	610,264	-3.0	2.1	Junction
SCB_VCD000018	945,923	607,629	-2.4	1.1	Junction
SCB_VCD000036	946,073	613,521	-4.1	3.1	Junction
SCB_VCD000037	946,040	611,975	-1.8	1.9	Junction
SCB_VCD000038	946,035	611,690	-2.0	2.3	Junction
SCB_VCD000040	945,831	610,466	-3.9	1.8	Junction
SCB_VCD000041	945,939	610,277	-2.5	1.0	Junction
SCB_VCD000041-1	945,938	610,277	-2.5	1.0	Junction
SCB_VCD000044	945,865	609,656	-2.6	2.5	Junction
SCB_VCD000048	945,802	608,029	-2.3	3.0	Junction
SCB_VCD000049	945,842	607,811	-2.9	2.8	Junction
SCB_VCD000050	945,897	607,423	-1.8	2.6	Junction
SCB_VCD000054	945,869	606,819	-2.1	2.6	Junction
SCB_VCD000055	945,854	606,630	-3.8	2.8	Junction
SCB_VCD000076	945,961	611,520	-5.0	2.9	Storage
SCB-DS009386	946,221	613,454	-5.0	5.3	Storage

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DO000514	HL_DO000514	HL_DO000519	Arch	Arch	50	0.013	-4.00	-4.10	7.00	11.10	1	0.5	0.5
HL_DO000515	HL_DO000515	HL_DO000516	Arch	Arch	86	0.024	-5.00	-5.00	4.25	5.50	1	0.5	0.5
HL_DO000531	HL_DO000531	HL_DO000532	Arch	Arch	58	0.013	-4.00	-4.10	7.00	11.10	1	0.5	0.5
HL_AGE999013	HL_AGE999013	HL_DO000160	Arch	Composite	98	0.024	-4.00	-4.10	2.42	3.50	1	0.5	0.5
HL_DO000539	HL_DO000539	HL_DMH001864	Circular	Filled_Circular	32	0.013	-1.10	-1.39	3.00	1.50	1	0.5	0.5
HL_FDG000214	HL_FDG000214	HL_PS000007	Circular	Force_Main	1,920	0.013	-3.50	-3.50	3.50	130.00	1	0.0	0.0
HL_FM000001	HL_FM000001	HL_CNL98141	Circular	Force_Main	19	0.013	4.50	4.40	2.00	130.00	2	0.0	0.0
HL_FM000002	HL_FM000002	HL_CICW98050	Circular	Force_Main	23	0.013	4.00	3.90	3.00	130.00	2	0.0	0.0
HL_FM000006	HL_FM000006	HL_CNL98042	Circular	Force_Main	947	0.013	-1.20	-5.00	1.50	140.00	1	0.0	0.0
BC_AGE999101	BC_AGE999101	BC_DMH000354	Circular	Pipe	124	0.013	-3.50	-3.80	3.00		1	0.5	0.2
BC_AGE999129	BC_AGE999129	BC_AGE999130	Circular	Pipe	190	0.013	-2.50	-2.60	2.00		1	0.5	0.5
BC_DMH000159	BC_DMH000159	RP_DMH000330	Circular	Pipe	255	0.013	1.49	0.97	3.00		1	0.3	0.2
BC_DMH000165	BC_DMH000165	RP_DMH000166	Circular	Pipe	339	0.013	2.68	2.05	2.50		1	0.3	0.2
BC_DMH000320	BC_DMH000320	BC_DMH000333a	Circular	Pipe	262	0.013	-0.70	-0.96	4.00		1	0.3	0.2
BC_DMH000323	BC_DMH000323	BC_DS001642	Circular	Pipe	406	0.013	1.58	-0.36	3.50		1	0.3	0.2
BC_DMH000326	BC_DMH000326	BC_DMH000515	Circular	Pipe	83	0.013	-3.60	-3.80	3.00		1	0.3	0.7
BC_DMH000354	BC_DMH000354	BC_AGE999133	Circular	Pipe	152	0.013	-3.80	-4.00	3.00		1	0.3	1.0
BC_DMH000357	BC_DMH000357	BC_DS001704	Circular	Pipe	165	0.013	-2.50	-2.80	2.00		1	0.3	0.7
BC_DMH000455	BC_DMH000455	BC_DMH000456	Circular	Pipe	245	0.013	0.10	-0.20	3.00		1	0.3	0.2
BC_DMH000456	BC_DMH000456	LB_DMH000173	Circular	Pipe	461	0.013	-0.20	-0.50	3.50		1	0.3	0.2
BC_DMH000514	BC_DMH000514	BC_DS007297	Circular	Pipe	433	0.013	-4.10	-4.20	4.00		1	0.3	0.2
BC_DMH000515	BC_DMH000515	BC_DMH000514	Circular	Pipe	29	0.013	-3.80	-4.10	3.00		1	0.3	0.7
BC_DS001642	BC_DS001642	BC_DMH000320	Circular	Pipe	250	0.013	-0.40	-0.66	4.00		1	0.3	0.2
BC_DS001648	BC_DS001648	BC_DMH000323	Circular	Pipe	272	0.013	0.30	0.04	3.50		1	0.3	0.2
BC_DS001700	BC_DS001700	BC_DMH000357	Circular	Pipe	97	0.013	-2.00	-2.50	1.50		1	0.3	0.2
BC_DS001704	BC_DS001704	BC_AGE999101	Circular	Pipe	131	0.013	-2.80	-3.00	2.00		1	0.3	1.0
BC_DS001812	BC_DS001812	HG_DMH000516	Circular	Pipe	88	0.013	2.00	1.60	1.25		1	0.3	0.7
BC_DS001819	BC_DS001819	HG_DS001817	Circular	Pipe	64	0.013	1.50	1.30	1.25		1	0.3	0.7
BC_DS001822	BC_DS001822	HG_DMH000517	Circular	Pipe	61	0.013	1.50	1.00	1.25		1	0.3	0.7
BC_DS001828	BC_DS001828	HG_DS001829	Circular	Pipe	63	0.013	1.00	0.80	1.25		1	0.3	0.7
BC_DS003964	BC_DS003964	HG_DS003965	Circular	Pipe	63	0.013	2.00	1.92	1.25		1	0.3	0.7
BC_DS004561	BC_DS004561	BC_DMH000326	Circular	Pipe	39	0.013	-3.30	-3.60	3.00		1	0.3	0.2
BC_DS005469	BC_DS005469	BC_DMH000159	Circular	Pipe	37	0.013	2.00	1.50	1.25		1	0.3	0.6
BC_DS005476	BC_DS005476	BC_DMH000165	Circular	Pipe	39	0.013	3.00	2.70	1.25		2	0.3	0.5
BC_DS005978	BC_DS005978	BC_DMH000455	Circular	Pipe	35	0.013	0.50	0.10	1.25		2	0.3	0.7
BC_DS005989	BC_DS005989	RP_DMH000463	Circular	Pipe	53	0.013	4.00	3.50	1.25		1	0.3	0.6
BC_DS007171	BC_DS007171	PS_DS007170	Circular	Pipe	64	0.013	-3.50	-3.90	3.00		1	0.3	0.7
BC_DS007183	BC_DS007183	HL_DMH000462	Circular	Pipe	60	0.013	-0.02	-0.02	2.50		1	0.3	0.7
BC_DS007184	BC_DS007184	BC_DS007183	Circular	Pipe	260	0.013	-0.98	-0.88	2.50		1	0.3	0.7
BC_DS007289	BC_DS007289	PS_DS007288	Circular	Pipe	77	0.013	-4.00	-4.80	1.25		2	0.3	0.7
BC_DS007297	BC_DS007297	BC_CICW98060	Circular	Pipe	168	0.013	-4.20	-4.50	4.00		1	0.3	1.0
BC_DS007301	BC_DS007301	BC_DMH000515	Circular	Pipe	71	0.013	-3.70	-3.80	3.00		1	0.3	0.2
BC_DS007306	BC_DS007306	PS_DS004700	Circular	Pipe	70	0.013	-2.00	-2.50	1.25		3	0.3	0.7
BC_DS008454	BC_DS008454	HL_DMH001579	Circular	Pipe	75	0.013	0.50	0.00	1.50		2	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DS008458	BC_DS008458	BC_NID10033	Circular	Pipe	118	0.013	-2.00	-2.30	1.50		1	0.3	0.2
BC_DS008458_2	BC_DS008458	HL_DM001581	Circular	Pipe	105	0.013	0.50	0.40	1.50		1	0.3	0.7
BC_NID09849	BC_NID09849	HA_NE30C002	Circular	Pipe	13	0.013	-1.90	-1.50	1.25		1	0.3	0.2
BC_NID10033	BC_NID10033	BC_NID10035	Circular	Pipe	224	0.013	-2.30	-2.60	1.50		1	0.3	0.2
BC_NID10035	BC_NID10035	BC_NID10036	Circular	Pipe	298	0.013	-2.60	-2.80	2.00		1	0.3	0.2
BC_NID10036	BC_NID10036	BC_NID10037	Circular	Pipe	251	0.013	-2.80	-3.00	2.00		1	0.3	0.2
BC_NID10037	BC_NID10037	BC_NID10038	Circular	Pipe	82	0.013	-3.00	-3.10	2.00		1	0.3	0.2
BC_NID10038	BC_NID10038	BC_NID10039	Circular	Pipe	198	0.013	-3.10	-3.30	2.00		1	0.3	0.2
BC_NID10039	BC_NID10039	BC_NID10040	Circular	Pipe	166	0.013	-3.20	-3.30	2.00		1	0.3	0.2
BC_NID10040	BC_NID10040	BC_NID10041	Circular	Pipe	124	0.013	-3.30	-3.40	2.00		1	0.3	0.2
BC_NID10041	BC_NID10041	BC_NID10043	Circular	Pipe	248	0.013	-3.40	-3.50	2.00		1	0.3	0.7
BC_NID10043	BC_NID10043	HL_NID10044	Circular	Pipe	160	0.013	-3.50	-3.70	2.00		1	0.3	0.7
BC_NID10043_2	BC_NID10043	BC_AGE999128	Circular	Pipe	220	0.013	-2.50	-2.60	2.00		1	0.5	0.5
BC_NID12410	BC_NID12410	BC_DM000326	Circular	Pipe	258	0.013	-3.10	-3.60	3.00		1	0.3	0.7
HA_DS000576_1	HL_DS000575	HA_DS000576	Circular	Pipe	47	0.013	-3.28	-3.30	1.50		1	0.3	0.5
HA_DS000576_2	HA_DS000576	HA_NE04C118	Circular	Pipe	176	0.013	-3.30	-3.50	2.00		1	0.3	0.2
HA_DS010016	HA_DS010016	HA_DS000576	Circular	Pipe	37	0.013	-3.20	-3.30	1.50		1	0.3	0.5
HA_NE04C071_1	HA_NE04C071	HA_NE04C073	Circular	Pipe	132	0.013	-0.60	-0.80	1.25		1	0.3	0.2
HA_NE04C071_2	HA_NE04C069	HA_NE04C071	Circular	Pipe	144	0.013	-0.50	-0.60	1.75		1	0.3	0.7
HA_NE04C073	HA_NE04C073	HA_NE04C074	Circular	Pipe	146	0.013	-0.80	-1.00	1.25		1	0.3	0.5
HA_NE04C074	HA_NE04C074	HA_NE04C083	Circular	Pipe	60	0.013	-1.00	-1.10	1.25		1	0.3	0.6
HA_NE04C076	HA_NE04C076	HA_NE04C077	Circular	Pipe	24	0.013	-0.50	-0.60	1.25		1	0.3	0.7
HA_NE04C077	HA_NE04C077	HA_NE28C081	Circular	Pipe	98	0.013	-0.60	-0.80	1.25		1	0.3	0.2
HA_NE04C079	HA_NE04C079	HA_NE28C081	Circular	Pipe	40	0.013	-0.60	-0.80	1.25		1	0.3	0.7
HA_NE04C082	HA_NE04C082	HA_NE04C083	Circular	Pipe	40	0.013	-1.00	-1.10	1.25		1	0.3	0.4
HA_NE04C083	HA_NE04C083	HA_NE04C084	Circular	Pipe	15	0.013	-1.10	-1.20	1.25		1	0.3	0.2
HA_NE04C084	HA_NE04C084	HA_NID15	Circular	Pipe	99	0.013	-1.20	-1.30	1.25		1	0.3	0.2
HA_NE04C085	HA_NE04C085	HA_NE04C086	Circular	Pipe	73	0.013	-1.40	-1.50	1.25		1	0.3	0.2
HA_NE04C086	HA_NE04C086	HA_NE04C093	Circular	Pipe	327	0.013	-1.50	-1.80	1.25		1	0.3	0.2
HA_NE04C089_1	HA_NE04C089	HA_NE04C086	Circular	Pipe	29	0.013	-1.40	-1.50	1.25		1	0.3	0.7
HA_NE04C089_2	HA_NE04C089	HA_NE04C090	Circular	Pipe	89	0.013	-1.50	-1.70	1.50		1	0.3	0.2
HA_NE04C090	HA_NE04C090	HA_NE04C092	Circular	Pipe	188	0.013	-1.70	-2.00	1.50		1	0.3	0.2
HA_NE04C092	HA_NE04C092	HA_NE04C096	Circular	Pipe	211	0.013	-2.00	-2.30	2.00		1	0.3	0.2
HA_NE04C093	HA_NE04C093	HA_NE04C094	Circular	Pipe	35	0.013	-1.80	-1.90	1.25		1	0.3	0.2
HA_NE04C094_1	HA_NE04C094	HA_NID129	Circular	Pipe	27	0.013	-1.90	-2.00	2.00		1	0.3	0.2
HA_NE04C094_2	HA_NE04C094	HA_NE04C095	Circular	Pipe	120	0.013	-1.90	-2.30	1.25		1	0.3	0.2
HA_NE04C095	HA_NE04C095	HA_NE04C097	Circular	Pipe	78	0.013	-2.30	-2.50	1.25		1	0.3	0.2
HA_NE04C096_1	HA_NE04C095	HA_NE04C096	Circular	Pipe	29	0.013	-2.20	-2.30	1.25		1	0.3	0.7
HA_NE04C096_2	HA_NE04C096	HA_NE04C100	Circular	Pipe	147	0.013	-2.30	-2.50	2.00		1	0.3	0.2
HA_NE04C097	HA_NE04C097	HA_NE04C098	Circular	Pipe	174	0.013	-2.50	-2.70	1.25		1	0.3	0.2
HA_NE04C098	HA_NE04C098	HA_NE04C099	Circular	Pipe	210	0.013	-2.70	-2.80	1.25		1	0.3	0.7
HA_NE04C099	HA_NE04C099	HA_NE04C102	Circular	Pipe	33	0.013	-2.80	-2.90	1.50		1	0.3	0.7
HA_NE04C100	HA_NE04C100	HA_NE04C101	Circular	Pipe	158	0.013	-2.50	-2.70	2.00		1	0.3	0.2
HA_NE04C101	HA_NE04C101	HA_NE04C102	Circular	Pipe	151	0.013	-2.70	-2.90	2.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HA_NE04C102	HA_NE04C102	HA_NE04C108	Circular	Pipe	80	0.013	-2.90	-3.00	2.00		1	0.3	0.7
HA_NE04C106	HA_NE04C106	HA_NE04C107	Circular	Pipe	33	0.013	-2.70	-2.80	1.25		1	0.3	0.5
HA_NE04C107	HA_NE04C107	HA_NE04C108	Circular	Pipe	107	0.013	-2.80	-3.00	1.25		1	0.3	0.2
HA_NE04C108	HA_NE04C108	HA_NE04C112	Circular	Pipe	192	0.013	-3.00	-3.20	2.00		1	0.3	0.2
HA_NE04C111	HA_NE04C111	HA_NE04C112	Circular	Pipe	33	0.013	-3.00	-3.20	1.25		1	0.3	0.5
HA_NE04C112	HA_NE04C112	HA_NE04C113	Circular	Pipe	129	0.013	-3.20	-3.40	2.00		1	0.3	0.7
HA_NE04C113	HA_NE04C113	HA_NE04C114	Circular	Pipe	46	0.013	-3.40	-3.50	2.00		1	0.3	0.2
HA_NE04C114	HA_NE04C114	HA_NE04C116	Circular	Pipe	537	0.013	-3.50	-4.00	2.00		1	0.3	0.2
HA_NE04C116	HA_NE04C116	HA_NID19	Circular	Pipe	56	0.013	-8.00	-8.10	8.00		1	0.3	0.2
HA_NE04C119	HA_NE04C118	HA_NE04C119	Circular	Pipe	123	0.013	-3.50	-3.70	2.00		1	0.3	0.2
HA_NE04C121	HA_NE04C121	HA_NID131	Circular	Pipe	168	0.013	-3.70	-3.90	1.25		1	0.3	0.7
HA_NE04C122	HA_NE04C122	HA_NE04C123	Circular	Pipe	201	0.013	-4.20	-4.40	4.50		1	0.3	0.2
HA_NE04C123	HA_NE04C123	HA_NE04C124	Circular	Pipe	213	0.013	-4.40	-4.50	4.50		1	0.3	0.2
HA_NE04C124	HA_NE04C124	HA_NE04C125	Circular	Pipe	395	0.013	-4.50	-4.70	4.50		1	0.3	0.2
HA_NE04C125	HA_NE04C125	HA_NE04C126	Circular	Pipe	357	0.013	-4.70	-5.00	4.50		1	0.3	0.2
HA_NE04C126	HA_NE04C126	HA_NE04C130	Circular	Pipe	167	0.013	-5.00	-5.40	4.50		1	0.3	0.2
HA_NE04C128	HA_NE04C128	HA_NE04C129	Circular	Pipe	238	0.013	0.00	0.00	1.00		1	0.3	0.2
HA_NE04C129	HA_NE04C129	HA_NE04C130	Circular	Pipe	194	0.013	0.00	0.00	1.00		1	0.3	0.7
HA_NE04C130	HA_NE04C130	HA_NE04M131	Circular	Pipe	21	0.013	-5.40	-5.50	4.50		1	0.3	0.2
HA_NE04M131	HA_NE04M131	BC_CDW98907	Circular	Pipe	146	0.013	-5.50	-6.00	4.50		1	0.3	1.0
HA_NE28C004	HA_NE28C004	HA_NE28M009	Circular	Pipe	433	0.013	-6.00	-6.50	8.00		1	0.3	0.2
HA_NE28C010	HA_NE28C010	HA_NE28C011	Circular	Pipe	301	0.013	-7.00	-7.50	8.00		1	0.3	0.2
HA_NE28C039	HA_NE28C039	HA_NID127	Circular	Pipe	398	0.013	-8.00	-8.50	8.00		1	0.3	0.2
HA_NE28C044	HA_NE28C044	HA_NE28C045	Circular	Pipe	176	0.013	-1.50	-1.60	1.25		1	0.3	0.2
HA_NE28C045	HA_NE28C045	HA_NE28C047	Circular	Pipe	158	0.013	-1.60	-1.80	1.25		1	0.3	0.2
HA_NE28C047	HA_NE28C047	HA_NID127	Circular	Pipe	47	0.013	-1.80	-2.00	1.25		1	0.3	0.7
HA_NE28C053	HA_NE28C053	HA_NE28M054	Circular	Pipe	331	0.013	-8.70	-9.00	8.00		1	0.3	0.2
HA_NE28C055	HA_NE28M054	HA_NE28C056	Circular	Pipe	445	0.013	-9.00	-9.20	8.00		1	0.3	0.2
HA_NE28C056	HA_NE28C056	HA_NE28C057	Circular	Pipe	358	0.013	-9.20	-9.40	9.00		1	0.3	0.2
HA_NE28C057	HA_NE28C057	HA_NE28C058	Circular	Pipe	243	0.013	-9.40	-9.50	9.00		1	0.3	0.2
HA_NE28C058	HA_NE28C058	HA_NE28C059	Circular	Pipe	158	0.013	-9.50	-9.60	9.00		1	0.3	0.2
HA_NE28C059	HA_NE28C059	HA_NE28M063	Circular	Pipe	199	0.013	-9.60	-9.80	9.00		1	0.3	0.2
HA_NE28C081	HA_NE28C081	HA_NE04C082	Circular	Pipe	132	0.013	-0.80	-1.00	1.25		1	0.3	0.6
HA_NE28M009	HA_NE28M009	HA_NE28C010	Circular	Pipe	322	0.013	-6.50	-7.00	8.00		1	0.3	0.2
HA_NE30C002	HA_NE30C002	HA_NE30C005	Circular	Pipe	150	0.013	-1.50	-1.70	2.00		1	0.3	0.2
HA_NE30C005	HA_NE30C005	HA_NE04C094	Circular	Pipe	157	0.013	-1.70	-1.90	2.00		1	0.3	0.7
HA_NE30C010	HA_NE30C010	HA_NID129	Circular	Pipe	7	0.013	-1.90	-2.00	1.25		1	0.3	0.7
HA_NE30M012	HA_NE30M012	HA_NE28C011	Circular	Pipe	48	0.013	-2.40	-2.50	2.00		1	0.3	0.7
HA_NID110	HA_NID110	HA_NE28C004	Circular	Pipe	45	0.013	-0.50	-1.00	1.25		1	0.3	0.7
HA_NID111	HA_NID111	HA_NE28C004	Circular	Pipe	289	0.013	-5.50	-6.00	8.00		1	0.3	0.2
HA_NID125	HA_NID125	HA_NID111	Circular	Pipe	50	0.013	-4.00	-4.50	1.25		3	0.3	0.7
HA_NID126	HA_NE28C011	HA_NE28C039	Circular	Pipe	329	0.013	-7.50	-8.00	8.00		1	0.3	0.2
HA_NID128	HA_NID127	HA_NE28C053	Circular	Pipe	275	0.013	-8.50	-8.70	8.00		1	0.3	0.2
HA_NID129	HA_NID129	HA_NE30M012	Circular	Pipe	280	0.013	-2.00	-2.40	2.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HA_NID131	HA_NE04C119	HA_NID131	Circular	Pipe	217	0.013	-3.70	-3.90	2.00		1	0.3	0.2
HA_NID132	HA_NID132	HA_NID19	Circular	Pipe	340	0.013	-4.00	-4.10	3.50		1	0.3	0.7
HA_NID142	HA_NE28M063	BC_CDW98906	Circular	Pipe	155	0.013	-9.80	-10.00	9.00		1	0.3	1.0
HA_NID15	HA_NID15	HA_NE04C085	Circular	Pipe	111	0.013	-1.30	-1.40	1.25		1	0.3	0.2
HA_NID16	HA_NID16	HA_NID20	Circular	Pipe	186	0.013	-2.80	-3.00	1.00		1	0.3	0.2
HA_NID17	HA_NID17	HA_NID18	Circular	Pipe	174	0.013	-3.30	-3.50	1.00		1	0.3	0.2
HA_NID18	HA_NID18	HA_NE04C121	Circular	Pipe	235	0.013	-3.50	-3.70	1.00		1	0.3	0.2
HA_NID19_2	HA_NID131	HA_NID19	Circular	Pipe	74	0.013	-3.90	-4.10	2.00		1	0.3	0.7
HA_NID19_3	HA_NID19	HA_NE04C122	Circular	Pipe	48	0.013	-8.10	-8.20	8.00		1	0.3	0.2
HA_NID20	HA_NID20	HA_NID21	Circular	Pipe	237	0.013	-3.00	-3.30	1.25		1	0.3	0.2
HA_NID21	HA_NID21	HA_NE04C118	Circular	Pipe	170	0.013	-3.30	-3.50	1.25		1	0.3	0.7
HA_NID24	HA_NID24	HA_NID29	Circular	Pipe	161	0.013	-2.50	-2.80	1.00		1	0.3	0.2
HA_NID29	HA_NID29	HA_NID30	Circular	Pipe	212	0.013	-2.80	-3.00	1.00		1	0.3	0.2
HA_NID30	HA_NID30	HL_DS000575	Circular	Pipe	72	0.013	-3.00	-3.30	1.50		1	0.3	0.7
HG_DMH000322	HG_DMH000322	BC_DS001648	Circular	Pipe	97	0.013	0.44	0.30	1.25		1	0.3	0.7
HG_DMH000516	HG_DMH000516	HG_DS001817	Circular	Pipe	324	0.013	1.60	1.34	2.50		1	0.3	0.2
HG_DMH000517	HG_DMH000517	HG_DS001829	Circular	Pipe	341	0.013	1.00	0.84	3.50		1	0.3	0.2
HG_DS000928	HG_DS000928	HG_DS003030	Circular	Pipe	34	0.024	5.10	5.00	1.25		1	0.3	0.2
HG_DS001599	HG_DS001599	HG_DS001601	Circular	Pipe	30	0.024	4.60	4.53	1.50		1	0.3	0.7
HG_DS001614	HG_DS001614	HG_DS003863	Circular	Pipe	126	0.013	4.20	4.08	1.00		1	0.3	0.2
HG_DS001641	HG_DS001641	BC_DS001642	Circular	Pipe	64	0.013	0.00	-0.40	1.25		2	0.3	0.7
HG_DS001708	HG_DS001708	HG_DS003880	Circular	Pipe	17	0.024	4.40	4.30	1.00		1	0.3	0.7
HG_DS001817	HG_DS001817	HG_FDG000115	Circular	Pipe	246	0.013	1.30	1.10	3.00		1	0.3	0.2
HG_DS001826	HG_DS001826	HG_DS001825	Circular	Pipe	41	0.013	4.10	4.00	1.50		1	0.3	0.2
HG_DS001829	HG_DS001829	HG_DMH000322	Circular	Pipe	340	0.013	0.80	0.44	3.50		1	0.3	0.7
HG_DS003856	HG_DS003856	HG_DS004498	Circular	Pipe	123	0.024	4.10	4.20	1.50		1	0.3	0.7
HG_DS003857	HG_DS003857	HG_DS003856	Circular	Pipe	63	0.024	4.00	4.10	1.50		1	0.3	0.2
HG_DS003858	HG_DS003858	HG_DS003857	Circular	Pipe	65	0.024	4.10	4.00	1.50		1	0.3	0.2
HG_DS003863	HG_DS003863	HG_DS004534	Circular	Pipe	218	0.013	4.08	4.00	1.00		1	0.3	0.2
HG_DS003879	HG_DS003879	HG_DS003858	Circular	Pipe	186	0.024	4.20	4.10	1.50		1	0.3	0.2
HG_DS003880	HG_DS003880	HG_DS003879	Circular	Pipe	122	0.024	4.30	4.20	1.50		1	0.3	0.2
HG_DS003965	HG_DS003965	HG_DMH000516	Circular	Pipe	270	0.013	1.92	1.64	2.50		1	0.3	0.2
HG_DS003966	HG_DS003966	HG_DS003967	Circular	Pipe	27	0.024	5.00	4.80	1.25		1	0.3	0.7
HG_DS003967	HG_DS003967	RP_DMH000349	Circular	Pipe	94	0.013	4.80	4.20	1.50		1	0.3	0.7
HG_DS003968	HG_DS003968	HG_DS003966	Circular	Pipe	48	0.024	5.50	5.00	1.00		1	0.3	0.4
HG_DS004287	HG_DS004287	PS_DS004423	Circular	Pipe	80	0.024	4.00	3.90	1.00		1	0.3	0.2
HG_DS004425	HG_DS004425	PS_DS005820	Circular	Pipe	40	0.024	4.00	3.90	1.00		1	0.3	0.6
HG_DS004441	HG_DS004441	PS_DS004442	Circular	Pipe	46	0.024	4.00	3.90	1.00		2	0.3	0.2
HG_DS004447	HG_DS004447	HG_DS004641	Circular	Pipe	418	0.024	4.40	4.30	1.50		1	0.3	0.2
HG_DS004453	HG_DS004453	HG_DS004454	Circular	Pipe	40	0.024	4.30	4.40	1.00		1	0.3	0.6
HG_DS004454	HG_DS004454	HG_DS004637	Circular	Pipe	142	0.024	4.40	4.50	1.50		1	0.3	0.2
HG_DS004467	HG_DS004467	HG_DS004626	Circular	Pipe	173	0.024	4.70	4.60	1.50		1	0.3	0.2
HG_DS004475	HG_DS004475	HG_DS004634	Circular	Pipe	197	0.024	4.70	4.80	1.50		1	0.3	0.2
HG_DS004493	HG_DS004493	HG_DS004494	Circular	Pipe	45	0.024	5.00	4.50	1.00		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS004494	HG_DS004494	HG_DS004475	Circular	Pipe	164	0.024	4.60	4.70	1.50		1	0.3	0.2
HG_DS004498	HG_DS004498	HG_DS004453	Circular	Pipe	47	0.024	4.20	4.30	1.00		1	0.3	0.6
HG_DS004534	HG_DS004534	HG_DS004537	Circular	Pipe	33	0.024	4.00	3.90	1.25		1	0.3	0.2
HG_DS004544	HG_DS004544	HG_DS009059	Circular	Pipe	47	0.024	4.10	4.00	1.00		1	0.3	0.2
HG_DS004618	HG_DS004618	PS_DS004617	Circular	Pipe	54	0.024	4.00	3.90	1.00		1	0.3	0.5
HG_DS004623	HG_DS004623	HG_DS004447	Circular	Pipe	66	0.024	4.50	4.40	1.50		1	0.3	0.2
HG_DS004625	HG_DS004625	HG_DS004626	Circular	Pipe	48	0.024	5.00	4.50	1.00		4	0.3	0.7
HG_DS004626	HG_DS004626	HG_DS004623	Circular	Pipe	122	0.024	4.60	4.50	1.50		1	0.3	0.2
HG_DS004633	HG_DS004633	HG_DS004634	Circular	Pipe	35	0.024	5.00	4.50	1.00		2	0.3	0.7
HG_DS004634	HG_DS004634	HG_DS004467	Circular	Pipe	245	0.024	4.80	4.70	1.50		1	0.3	0.2
HG_DS004637	HG_DS004637	HG_DS004494	Circular	Pipe	251	0.024	4.50	4.60	1.50		1	0.3	0.2
HG_DS004638	HG_DS004638	HG_DS004637	Circular	Pipe	53	0.024	5.00	4.50	1.00		1	0.3	0.7
HG_DS004641	HG_DS004641	HG_DS004766	Circular	Pipe	170	0.024	4.30	4.20	1.50		1	0.3	0.2
HG_DS004724	HG_DS004724	HG_DS003966	Circular	Pipe	176	0.024	5.82	5.00	1.50		1	0.3	0.7
HG_DS004766	HG_DS004766	HG_DS004720	Circular	Pipe	241	0.024	4.20	4.10	1.50		1	0.3	0.5
HG_FDG000115	HG_FDG000115	HG_DMH000517	Circular	Pipe	82	0.013	1.10	1.04	3.00		1	0.3	0.2
HL_AGE999073	HL_AGE999073	HL_DG009297	Circular	Pipe	80	0.024	0.00	0.00	6.00		1	0.5	0.5
HL_AGE999108	HL_AGE999108	HL_DS005940	Circular	Pipe	160	0.013	-2.90	-3.00	2.00		1	0.3	0.5
HL_AGE999116	HL_AGE999116	HL_AGE999115	Circular	Pipe	50	0.013	-4.00	-3.90	6.00		1	0.5	0.5
HL_AGE999118	HL_AGE999118	HL_AGE999119	Circular	Pipe	35	0.013	-2.10	-2.20	4.00		1	0.5	0.5
HL_DG009298a	HL_DG009298a	HL_DG009298b	Circular	Pipe	59	0.024	0.00	0.00	6.00		1	0.5	0.5
HL_DG009299	HL_DG009299	HL_DO000515	Circular	Pipe	42	0.024	-5.00	-5.00	6.00		1	0.5	0.5
HL_DMH000107	HL_DMH000107	HL_DS007267	Circular	Pipe	62	0.024	-3.03	-3.08	1.50		1	0.3	0.2
HL_DMH000108	HL_DMH000108	HL_DS004914	Circular	Pipe	125	0.013	-1.50	-1.80	1.25		1	0.3	0.5
HL_DMH000167	HL_DMH000167	HL_DMH000168	Circular	Pipe	156	0.013	0.40	0.20	1.50		1	0.3	0.2
HL_DMH000168	HL_DMH000168	HL_DMH001886	Circular	Pipe	92	0.013	0.20	0.00	1.50		1	0.3	0.2
HL_DMH000172	HL_DMH000172	HL_DMH000468	Circular	Pipe	261	0.013	1.05	1.35	2.00		1	0.3	0.7
HL_DMH000201	HL_DMH000201	HL_DS003673	Circular	Pipe	76	0.013	-3.20	-3.50	1.25		1	0.3	0.2
HL_DMH000202	HL_DMH000202	HL_DMH000276	Circular	Pipe	251	0.013	-3.00	-3.50	2.00		1	0.3	0.2
HL_DMH000212	HL_DMH000212	RP_DMH000391	Circular	Pipe	77	0.013	2.00	1.50	1.50		1	0.3	0.7
HL_DMH000221	HL_DMH000221	HL_DMH000412	Circular	Pipe	195	0.013	-2.00	-2.10	1.50		1	0.3	0.2
HL_DMH000229	HL_DMH000229	HL_DS002946	Circular	Pipe	153	0.013	-1.80	-2.10	1.75		1	0.3	0.2
HL_DMH000230	HL_DMH000230	HL_DS002944	Circular	Pipe	154	0.024	-3.00	-3.40	2.00		1	0.3	0.2
HL_DMH000233_1	HL_DMH000233	HL_DS003699	Circular	Pipe	17	0.013	0.00	-0.50	0.67		1	0.3	0.5
HL_DMH000233_2	HL_DMH000840	HL_DMH000233	Circular	Pipe	207	0.013	-8.65	-8.73	4.00		1	0.3	0.2
HL_DMH000234	HL_DMH000234	HL_DS002895	Circular	Pipe	132	0.013	-1.50	-1.90	1.25		1	0.3	0.2
HL_DMH000235	HL_DS008317	HL_DMH000235	Circular	Pipe	122	0.024	-2.10	-2.30	1.25		1	0.3	0.2
HL_DMH000236	HL_DMH000236	HL_DS003700	Circular	Pipe	123	0.013	-2.50	-2.80	1.25		1	0.3	0.2
HL_DMH000237_1	HL_DMH000237	HL_DS008467	Circular	Pipe	306	0.013	-9.05	-9.17	4.00		1	0.3	0.2
HL_DMH000237_2	HL_DMH000233	HL_DMH000237	Circular	Pipe	786	0.013	-8.73	-9.05	4.00		1	0.3	0.7
HL_DMH000238	HL_DMH000238	HL_DS004336	Circular	Pipe	327	0.011	0.68	-0.26	2.00		1	0.3	1.0
HL_DMH000239	HL_DMH000239	HL_DMH000238	Circular	Pipe	270	0.024	1.73	0.68	2.00		1	0.3	0.7
HL_DMH000242	HL_DMH000242	HL_DS005715	Circular	Pipe	146	0.013	-2.50	-2.83	2.00		1	0.3	0.2
HL_DMH000247	HL_DMH000247	RP_DMH000424	Circular	Pipe	42	0.013	0.71	0.88	2.50		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DMH000250	HL_DMH000250	HL_DS002990	Circular	Pipe	38	0.024	-3.50	-3.00	1.25		1	0.3	0.7
HL_DMH000251	HL_DMH000251	HL_DMH001588	Circular	Pipe	95	0.013	-9.00	-9.50	7.00		1	0.3	0.7
HL_DMH000254	HL_DMH000254	HL_DMH000448	Circular	Pipe	227	0.013	-1.50	-2.00	2.00		1	0.3	0.2
HL_DMH000259	HL_DMH000259	HL_DMH000848	Circular	Pipe	62	0.013	-2.82	-2.88	2.00		1	0.3	0.2
HL_DMH000260	HL_DMH000260	HL_DMH000259	Circular	Pipe	50	0.011	-1.38	-1.71	2.00		1	0.3	0.2
HL_DMH000262	HL_DMH000262	HL_DMH000268	Circular	Pipe	300	0.013	-4.50	-4.80	3.00		1	0.3	0.2
HL_DMH000263	HL_DMH000263	RP_DMH001012	Circular	Pipe	83	0.013	1.50	1.30	2.00		1	0.3	0.2
HL_DMH000264	HL_DMH000264	HL_DS003765	Circular	Pipe	14	0.013	-4.40	-4.50	2.00		1	0.3	0.2
HL_DMH000265	HL_DMH000265	HL_DMH000271	Circular	Pipe	181	0.013	-6.00	-7.00	3.00		1	0.3	0.2
HL_DMH000266	HL_DMH000266	HL_DMH000267	Circular	Pipe	45	0.013	-4.98	-4.88	3.00		1	0.3	0.2
HL_DMH000267	HL_DMH000267	HL_DMH000265	Circular	Pipe	138	0.013	-4.98	-6.00	3.50		1	0.3	0.2
HL_DMH000268	HL_DMH000268	HL_DMH000266	Circular	Pipe	82	0.013	-4.80	-4.98	3.00		1	0.3	0.7
HL_DMH000270	HL_DMH000270	HL_DMH000852	Circular	Pipe	321	0.013	-2.81	-3.39	2.00		1	0.3	0.2
HL_DMH000271	HL_DMH000271	HL_DS000407	Circular	Pipe	480	0.013	-8.30	-8.50	7.00		1	0.3	0.2
HL_DMH000274	HL_DMH000274	HL_DMH000563	Circular	Pipe	109	0.013	-3.80	-4.00	2.50		1	0.3	0.2
HL_DMH000276	HL_DMH000276	HL_DMH000274	Circular	Pipe	135	0.013	-3.50	-3.80	2.50		1	0.3	0.2
HL_DMH000277	HL_DMH000277	HL_DMH000202	Circular	Pipe	227	0.013	-2.50	-3.00	2.00		1	0.3	0.2
HL_DMH000281	HL_DMH000281	HL_DMH000443	Circular	Pipe	317	0.013	-1.02	-2.74	5.00		1	0.3	0.2
HL_DMH000282	HL_DMH000282	HL_DS003786	Circular	Pipe	38	0.024	-3.70	-3.80	2.00		1	0.3	0.2
HL_DMH000285_1	HL_DMH000285	HL_DMH001462	Circular	Pipe	22	0.013	-3.50	-4.00	1.50		1	0.3	0.7
HL_DMH000285_2	HL_DMH000285	SCB_FDG000044	Circular	Pipe	155	0.024	-3.50	-3.70	1.50		1	0.3	0.5
HL_DMH000287	HL_DMH000287	HL_FDG000043	Circular	Pipe	13	0.024	-5.00	-6.50	1.00		1	0.3	0.7
HL_DMH000289_2	HL_DMH000289	HL_FDG000148	Circular	Pipe	12	0.024	-5.40	-5.50	1.00		1	0.3	0.7
HL_DMH000296	HL_DMH000296	HL_DS003838	Circular	Pipe	25	0.024	-4.90	-5.00	2.50		1	0.3	0.7
HL_DMH000297	HL_DMH000297	HL_DMH000296	Circular	Pipe	27	0.024	-4.00	-4.50	2.50		1	0.3	0.7
HL_DMH000299	HL_DMH000299	HL_DMH000296	Circular	Pipe	416	0.024	-4.50	-4.90	2.50		1	0.3	0.7
HL_DMH000302	HL_DMH000302	HL_DS003090	Circular	Pipe	28	0.013	-4.50	-5.00	1.00		1	0.3	0.7
HL_DMH000303	HL_DMH000303	HL_DMH000375	Circular	Pipe	156	0.013	-2.00	-3.00	3.50		1	0.3	0.6
HL_DMH000306	HL_DMH000306	HL_FDG000054	Circular	Pipe	196	0.013	-4.10	-4.30	1.00		1	0.3	0.2
HL_DMH000307	HL_DMH000307	HL_DS003101	Circular	Pipe	23	0.013	-4.70	-4.80	1.00		1	0.3	0.7
HL_DMH000309	HL_DMH000309	HL_DS001538	Circular	Pipe	178	0.013	0.00	0.00	2.00		1	0.3	0.6
HL_DMH000311	HL_DMH000311	HL_DS003133	Circular	Pipe	154	0.013	-2.00	-2.30	1.50		1	0.3	0.2
HL_DMH000314_1	HL_DMH000314	HL_DS003131	Circular	Pipe	141	0.013	-4.00	-4.20	1.00		1	0.3	0.7
HL_DMH000314_2	HL_DMH000314	HL_DMH000372	Circular	Pipe	152	0.013	-4.00	-4.50	1.00		1	0.3	0.7
HL_DMH000315	HL_DMH000315	HL_DS003138	Circular	Pipe	136	0.013	-2.00	-2.40	1.00		1	0.3	0.7
HL_DMH000340	HL_DMH000340	PS_DMH000366	Circular	Pipe	93	0.013	-1.00	-1.20	1.50		1	0.3	0.6
HL_DMH000345	HL_DMH000345	RP_DMH000344	Circular	Pipe	68	0.013	0.95	-0.06	2.50		1	0.3	0.7
HL_DMH000372	HL_DMH000372	HL_FDG000065	Circular	Pipe	25	0.013	-4.50	-4.60	1.00		1	0.3	0.2
HL_DMH000375	HL_DMH000375	HL_DS001732	Circular	Pipe	81	0.013	-3.00	-3.50	3.50		1	0.3	0.2
HL_DMH000376	HL_DMH000376	HL_DS001736	Circular	Pipe	129	0.013	-0.50	-1.00	2.50		1	0.3	0.2
HL_DMH000378	HL_DMH000378	HL_DS001749	Circular	Pipe	154	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DMH000386	HL_DMH000386	PS_DMH000387	Circular	Pipe	39	0.013	0.20	0.10	1.50		1	0.3	0.7
HL_DMH000402	HL_DMH000402	HL_DMH000172	Circular	Pipe	262	0.013	1.00	0.83	2.00		1	0.3	0.2
HL_DMH000404	HL_DMH000404	HL_FDG000076	Circular	Pipe	90	0.013	-3.10	-3.00	2.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DMH000405	HL_DMH000405	HL_DMH000562	Circular	Pipe	360	0.013	-3.42	-2.81	3.00		1	0.3	0.2
HL_DMH000407_1	HL_DS002462	HL_DMH000407	Circular	Pipe	9	0.013	-2.16	-2.20	1.25		1	0.3	0.6
HL_DMH000407_2	HL_DMH000407	HL_DS006475	Circular	Pipe	298	0.013	-2.43	-2.00	3.00		1	0.3	0.2
HL_DMH000408	HL_DMH000408	HL_DO000425	Circular	Pipe	47	0.018	-2.00	-2.50	2.00		2	0.3	1.0
HL_DMH000409	HL_DMH000409	HL_DS008645	Circular	Pipe	26	0.024	-1.80	-1.90	2.00		1	0.3	0.2
HL_DMH000410	HL_DMH000410	HL_DO000426	Circular	Pipe	72	0.024	-3.13	-3.20	3.00		1	0.3	1.0
HL_DMH000412	HL_DMH000412	HL_DMH000836	Circular	Pipe	202	0.013	-3.60	-4.12	3.00		1	0.3	1.4
HL_DMH000423	HL_DMH000423	HL_DMH000246	Circular	Pipe	239	0.013	0.80	0.60	2.50		1	0.3	0.2
HL_DMH000437	HL_DMH000437	HL_DMH000271	Circular	Pipe	806	0.013	-8.05	-8.30	7.00		1	0.3	0.7
HL_DMH000438	HL_DMH000438	HL_DS003013	Circular	Pipe	485	0.013	-4.00	-5.38	4.00		1	0.3	0.2
HL_DMH000439_1	HL_DMH000439	HL_FDG000078	Circular	Pipe	349	0.013	0.00	-1.00	3.00		1	0.3	0.2
HL_DMH000439_2	HL_DMH000439	HL_DS007270	Circular	Pipe	34	0.013	0.00	-0.50	1.50		1	0.3	0.7
HL_DMH000442	HL_DMH000442	HL_DS007273	Circular	Pipe	311	0.013	0.00	-0.20	1.50		1	0.3	0.4
HL_DMH000443	HL_DMH000443	HL_DS003293	Circular	Pipe	369	0.013	-2.62	-3.00	5.00		1	0.3	0.2
HL_DMH000448	HL_DMH000448	HL_DMH000277	Circular	Pipe	195	0.013	-2.00	-2.50	2.00		1	0.3	0.2
HL_DMH000449	HL_DMH000449	HL_DMH000254	Circular	Pipe	233	0.013	-1.00	-1.50	1.50		1	0.3	0.2
HL_DMH000453	HL_DMH000453	HL_DMH000423	Circular	Pipe	199	0.013	1.00	0.80	2.50		1	0.3	0.2
HL_DMH000462	HL_DMH000462	RP_DMH000463	Circular	Pipe	377	0.013	3.70	3.50	2.00		1	0.3	0.2
HL_DMH000468	HL_DMH000468	HL_DS006499	Circular	Pipe	16	0.013	1.35	0.85	1.25		1	0.3	0.7
HL_DMH000491	HL_DMH000491	HL_DS001794	Circular	Pipe	285	0.013	-2.50	-3.00	4.50		1	0.3	0.7
HL_DMH000492	HL_DMH000492	HL_DS001779	Circular	Pipe	87	0.013	-2.00	-2.40	4.00		1	0.3	0.2
HL_DMH000493	HL_DMH000493	HL_DS001778	Circular	Pipe	98	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000494	HL_DMH000494	HL_DMH000493	Circular	Pipe	137	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000495	HL_DMH000495	HL_DS001777	Circular	Pipe	93	0.013	-1.00	-1.50	3.50		1	0.3	0.2
HL_DMH000496	HL_DMH000496	HL_DMH000492	Circular	Pipe	23	0.013	-1.90	-2.00	3.50		1	0.3	0.2
HL_DMH000497	HL_DMH000497	HL_DMH000499	Circular	Pipe	61	0.013	0.00	0.00	1.50		1	0.3	0.7
HL_DMH000498	HL_DMH000498	HL_DMH000495	Circular	Pipe	24	0.013	-0.90	-1.00	3.50		1	0.3	0.2
HL_DMH000499	HL_DMH000499	HL_DMH000503	Circular	Pipe	25	0.013	0.00	0.00	3.00		1	0.3	0.2
HL_DMH000500	HL_DMH000500	HL_DMH000498	Circular	Pipe	107	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DMH000501	HL_DMH000501	HL_DMH000499	Circular	Pipe	105	0.013	0.00	0.00	2.50		1	0.3	0.7
HL_DMH000502	HL_DMH000502	HL_DMH000498	Circular	Pipe	121	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DMH000503	HL_DMH000503	HL_DS001782	Circular	Pipe	100	0.013	0.00	-0.50	3.00		1	0.3	0.2
HL_DMH000504	HL_DMH000504	HL_DMH000506	Circular	Pipe	121	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000505	HL_DMH000505	HL_DMH000504	Circular	Pipe	87	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000506	HL_DMH000506	HL_DS002472	Circular	Pipe	207	0.013	0.00	0.00	2.50		1	0.3	0.5
HL_DMH000522	HL_DMH000522	HL_DMH000524	Circular	Pipe	239	0.013	1.00	0.70	1.50		1	0.3	0.2
HL_DMH000523	HL_DMH000523	HL_DMH000522	Circular	Pipe	193	0.013	1.20	1.00	1.50		1	0.3	0.2
HL_DMH000524	HL_DMH000524	RP_DMH000418	Circular	Pipe	84	0.013	0.70	0.62	2.00		1	0.3	0.7
HL_DMH000535	HL_DMH000535	HL_DMH000536	Circular	Pipe	80	0.013	-0.50	-1.00	1.50		1	0.3	0.7
HL_DMH000536	HL_DMH000536	HL_DO000515	Circular	Pipe	20	0.013	-1.00	-2.00	2.00		1	0.3	1.0
HL_DMH000554	HL_DMH000554	HL_DS006608	Circular	Pipe	51	0.013	-2.33	-3.35	2.50		1	0.3	0.7
HL_DMH000557	HL_DMH001880	HL_DO000532	Circular	Pipe	38	0.013	-4.57	-3.88	4.50		1	0.3	0.5
HL_DMH000562	HL_DMH000562	HL_DMH001862	Circular	Pipe	486	0.013	-3.21	-4.00	3.00		1	0.3	0.2
HL_DMH000563	HL_DMH000563	HL_DMH000262	Circular	Pipe	395	0.013	-4.00	-4.50	3.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DMH000836	HL_DMH000836	HL_DS006337	Circular	Pipe	213	0.013	-4.02	-4.40	3.00		1	0.3	0.2
HL_DMH000837	HL_DMH000837	HL_DMH000861	Circular	Pipe	340	0.013	-3.62	-2.91	2.00		1	0.3	0.2
HL_DMH000838	HL_DMH000838	HL_DS000430	Circular	Pipe	179	0.013	-3.20	-3.50	1.50		1	0.3	0.2
HL_DMH000841	HL_DMH000841	HL_DMH000845	Circular	Pipe	284	0.013	-4.74	-5.06	3.00		1	0.3	0.2
HL_DMH000842	HL_DMH000842	HL_DS007116	Circular	Pipe	182	0.013	-4.43	-4.77	2.00		1	0.3	0.2
HL_DMH000843	HL_DMH000843	HL_DMH001776	Circular	Pipe	36	0.013	-3.02	-3.43	2.00		1	0.3	0.2
HL_DMH000844_1	HL_DMH000844	HL_DMH001425	Circular	Pipe	187	0.013	-4.90	-4.79	3.00		1	0.3	0.7
HL_DMH000844_2	HL_DMH000844	HL_DS002996	Circular	Pipe	39	0.024	-4.91	-5.00	1.00		1	0.3	0.5
HL_DMH000845	HL_DMH000845	HL_DMH000844	Circular	Pipe	302	0.013	-4.84	-4.91	3.00		1	0.3	0.2
HL_DMH000846	HL_DMH000846	HL_DS000481	Circular	Pipe	309	0.013	-4.40	-4.50	1.50		1	0.3	0.2
HL_DMH000847	HL_DMH000847	HL_DMH000841	Circular	Pipe	419	0.013	-4.74	-4.74	3.00		1	0.3	0.2
HL_DMH000848	HL_DMH000848	HL_DMH000837	Circular	Pipe	309	0.013	-2.90	-3.46	2.00		1	0.3	0.2
HL_DMH000850	HL_DMH000850	HL_DMH000847	Circular	Pipe	377	0.013	-4.74	-4.74	3.00		1	0.3	0.2
HL_DMH000851	HL_DS000443	HL_DMH001416	Circular	Pipe	142	0.013	-3.66	-3.71	3.00		1	0.3	0.2
HL_DMH000852	HL_DMH000852	HL_DMH000260	Circular	Pipe	92	0.013	-3.43	-3.32	2.00		1	0.3	0.2
HL_DMH000853	HL_DMH000853	HL_DMH000850	Circular	Pipe	300	0.013	-5.13	-4.74	3.00		1	0.3	0.2
HL_DMH000854	HL_DMH000854	HL_DS000453	Circular	Pipe	185	0.013	-3.20	-3.50	1.50		1	0.3	0.2
HL_DMH000856	HL_DMH000856	HL_DMH000853	Circular	Pipe	297	0.013	-4.88	-4.91	3.00		1	0.3	0.2
HL_DMH000858	HL_DMH000858	HL_DS000483	Circular	Pipe	224	0.013	-4.48	-4.59	2.50		1	0.3	0.2
HL_DMH000859	HL_DMH000859	HL_DMH000858	Circular	Pipe	360	0.013	-4.43	-4.48	2.50		1	0.3	0.2
HL_DMH000860_1	HL_DMH000860	HL_DS002993	Circular	Pipe	34	0.024	-4.43	-4.00	1.50		1	0.3	0.2
HL_DMH000860_2	HL_DMH000860	HL_DMH000859	Circular	Pipe	139	0.013	-4.86	-4.75	2.50		1	0.3	0.2
HL_DMH000861	HL_DMH000861	HL_DMH000860	Circular	Pipe	60	0.013	-4.30	-4.36	2.00		1	0.3	0.7
HL_DMH000871	HL_DMH000871	HL_DS000663	Circular	Pipe	105	0.013	-0.50	-1.00	3.00		1	0.3	0.2
HL_DMH000872	HL_DMH000872	HL_DS003164	Circular	Pipe	31	0.013	-5.78	-5.89	2.50		1	0.3	0.7
HL_DMH000883	HL_DMH000883	HL_DMH000888	Circular	Pipe	240	0.013	-3.20	-3.50	4.50		1	0.3	0.2
HL_DMH000885	HL_DMH000885	HL_DS000560	Circular	Pipe	160	0.013	-3.00	-3.50	3.00		1	0.3	0.2
HL_DMH000886	HL_DMH000886	HL_DMH000890	Circular	Pipe	52	0.013	-2.00	-2.50	3.00		1	0.3	0.2
HL_DMH000887	HL_DMH000887	HL_DMH000886	Circular	Pipe	68	0.013	-1.50	-2.00	3.00		1	0.3	0.2
HL_DMH000888_1	HL_DMH000888	HL_DS000665	Circular	Pipe	99	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000888_2	HL_DMH000888	HL_DMH000891	Circular	Pipe	154	0.013	-3.50	-3.70	4.50		1	0.3	0.2
HL_DMH000889	HL_DMH000889	HL_DMH000888	Circular	Pipe	14	0.013	0.00	0.00	1.25		1	0.3	0.2
HL_DMH000890	HL_DMH000890	HL_DMH000885	Circular	Pipe	59	0.013	-2.50	-3.00	3.00		1	0.3	0.2
HL_DMH000891	HL_DMH000891	HL_DS000675	Circular	Pipe	220	0.013	-3.70	-4.00	4.50		1	0.3	0.2
HL_DMH000892	HL_DMH000892	HL_DS000683	Circular	Pipe	223	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000893	HL_DMH000893	HL_DS000685	Circular	Pipe	99	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DMH000894	HL_DMH000894	HL_DS000907	Circular	Pipe	72	0.013	-1.40	-1.60	3.00		1	0.3	0.2
HL_DMH000901	HL_DMH000901	HL_DMH000903	Circular	Pipe	89	0.013	-2.60	-2.80	4.50		1	0.3	0.2
HL_DMH000902	HL_DMH000902	HL_DS000712	Circular	Pipe	57	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DMH000903	HL_DMH000903	HL_DS000657	Circular	Pipe	137	0.013	-2.80	-3.00	4.50		1	0.3	0.2
HL_DMH000904	HL_DMH000904	HL_DMH000906	Circular	Pipe	88	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000905	HL_DMH000905	HL_DMH000904	Circular	Pipe	63	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000906	HL_DMH000906	HL_DMH000908	Circular	Pipe	77	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DMH000907	HL_DMH000907	HL_DMH000902	Circular	Pipe	82	0.013	0.00	0.00	2.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DMH000908	HL_DMH000908	HL_DS000716	Circular	Pipe	61	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DMH000910	HL_DMH000910	HL_DS000668	Circular	Pipe	152	0.013	-1.00	-1.50	2.50		1	0.3	0.2
HL_DMH000921	HL_DMH000921	HL_DO000410	Circular	Pipe	62	0.013	-4.18	-4.20	6.00		1	0.3	0.2
HL_DMH000928	HL_DMH000928	HL_DS000909	Circular	Pipe	100	0.013	-2.00	-2.20	3.50		1	0.3	0.2
HL_DMH000929	HL_DMH000929	HL_DMH000901	Circular	Pipe	104	0.013	-2.40	-2.60	4.50		1	0.3	0.2
HL_DMH000930	HL_DMH000930	HL_DS001712	Circular	Pipe	170	0.013	-2.00	-2.50	3.00		1	0.3	1.2
HL_DMH000942_1	HL_DMH001886	HL_DMH000942	Circular	Pipe	90	0.013	0.00	-0.50	1.50		1	0.3	0.2
HL_DMH001415	HL_DMH001415	HL_CNL98042	Circular	Pipe	55	0.013	-3.72	-3.72	2.50		1	0.3	2.8
HL_DMH001416	HL_DMH001416	HL_DMH001417	Circular	Pipe	25	0.013	-3.71	-3.73	3.00		1	0.3	0.2
HL_DMH001417	HL_DMH001417	HL_DMH001419	Circular	Pipe	109	0.013	-3.73	-3.79	2.50		1	0.3	0.5
HL_DMH001419	HL_DMH001419	HL_DS000504	Circular	Pipe	18	0.013	-3.79	-3.92	2.50		1	0.3	0.5
HL_DMH001420	HL_DMH001776	HL_CNL98042	Circular	Pipe	58	0.013	-3.40	-2.79	2.00		1	0.3	2.8
HL_DMH001421	HL_DMH001421	HL_DS005772	Circular	Pipe	121	0.013	-2.76	-3.17	1.50		1	0.3	0.2
HL_DMH001422	HL_DMH001422	HL_DMH001423	Circular	Pipe	18	0.013	1.70	1.60	1.50		1	0.3	0.2
HL_DMH001423	HL_DMH001423	HL_DS007542	Circular	Pipe	26	0.013	1.60	1.50	1.50		1	0.3	0.6
HL_DMH001428	HL_DMH001428	HL_DS007581	Circular	Pipe	116	0.011	0.00	-0.22	1.50		1	0.3	0.2
HL_DMH001431	HL_DMH001431	HL_DMH001432	Circular	Pipe	129	0.013	0.00	-0.50	1.50		1	0.3	0.2
HL_DMH001432	HL_DMH001432	HL_DMH001433	Circular	Pipe	335	0.013	-1.40	-1.41	3.00		1	0.3	0.2
HL_DMH001433	HL_DMH001433	HL_DMH001434	Circular	Pipe	160	0.013	-1.44	-2.52	3.00		1	0.3	0.2
HL_DMH001434	HL_DMH001434	HL_DMH001435	Circular	Pipe	270	0.013	-2.58	-2.86	3.00		1	0.3	0.2
HL_DMH001435	HL_DMH001435	HL_DMH001436	Circular	Pipe	186	0.013	-3.50	-4.51	4.00		1	0.3	0.2
HL_DMH001436	HL_DMH001436	HL_DMH001437	Circular	Pipe	207	0.013	-4.63	-5.18	4.00		1	0.3	0.2
HL_DMH001437	HL_DMH001437	HL_DMH001438	Circular	Pipe	17	0.013	-5.18	-5.71	4.00		1	0.3	0.2
HL_DMH001438	HL_DMH001438	HL_DMH001441	Circular	Pipe	193	0.013	-5.71	-5.10	4.50		1	0.3	0.2
HL_DMH001441	HL_DMH001441	HL_DMH001442	Circular	Pipe	397	0.013	-5.06	-5.07	4.50		1	0.3	0.2
HL_DMH001442	HL_DMH001442	HL_DMH001443	Circular	Pipe	197	0.013	-5.30	-5.78	4.50		1	0.3	0.2
HL_DMH001443	HL_DMH001443	HL_DMH001444	Circular	Pipe	17	0.013	-1.32	-1.25	4.50		1	0.3	0.2
HL_DMH001444	HL_DMH001444	HL_DMH001445	Circular	Pipe	177	0.013	-5.68	-5.08	4.50		1	0.3	0.2
HL_DMH001445	HL_DMH001445	HL_DMH001446	Circular	Pipe	372	0.013	-4.94	-5.22	4.50		1	0.3	0.2
HL_DMH001446	HL_DMH001446	HL_DMH001447	Circular	Pipe	213	0.013	-5.01	-5.28	4.50		1	0.3	0.7
HL_DMH001447	HL_DMH001447	HL_FDG000140	Circular	Pipe	41	0.013	-5.75	-6.00	5.00		1	0.3	0.2
HL_DMH001448	HL_DMH001448	HL_DMH001447	Circular	Pipe	189	0.013	-5.13	-5.75	3.50		1	0.3	0.7
HL_DMH001449	HL_DMH001449	HL_DMH001448	Circular	Pipe	386	0.013	-5.08	-5.13	3.50		1	0.3	0.2
HL_DMH001450	HL_DMH001450	HL_DMH001449	Circular	Pipe	164	0.013	-4.95	-5.15	3.00		1	0.3	0.2
HL_DMH001451	HL_DMH001451	HL_DMH001450	Circular	Pipe	242	0.013	-3.15	-4.81	2.00		1	0.3	0.2
HL_DMH001453	HL_DMH001453	HL_DMH001454	Circular	Pipe	200	0.013	-3.08	-3.58	2.50		1	0.3	0.2
HL_DMH001454	HL_DMH001454	HL_DMH001455	Circular	Pipe	428	0.013	-4.08	-4.38	3.00		1	0.3	0.2
HL_DMH001455	HL_DMH001455	HL_DMH001456	Circular	Pipe	171	0.013	-4.38	-4.38	3.00		1	0.3	0.2
HL_DMH001456	HL_DMH001456	HL_DMH001457	Circular	Pipe	182	0.013	-4.91	-5.08	3.50		1	0.3	0.2
HL_DMH001457	HL_DMH001457	HL_DMH001458	Circular	Pipe	429	0.013	-5.08	-5.28	3.50		1	0.3	0.2
HL_DMH001458	HL_DMH001458	HL_DMH001459	Circular	Pipe	165	0.013	-5.28	-7.08	3.50		1	0.3	0.7
HL_DMH001459_1	HL_DMH001459	HL_DMH001460	Circular	Pipe	23	0.013	-7.08	-9.08	3.50		1	0.3	0.7
HL_DMH001460	HL_DMH001460	HL_DS003807	Circular	Pipe	35	0.013	-6.58	-6.58	4.00		1	0.3	0.2
HL_DMH001461	HL_DMH001461	HL_DMH001460	Circular	Pipe	252	0.013	-5.08	-6.58	3.00		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DMH001462	HL_DMH001462	HL_DMH001461	Circular	Pipe	401	0.013	-4.08	-4.08	2.00		1	0.3	0.2
HL_DMH001463	HL_DMH001463	HL_DS003816	Circular	Pipe	130	0.013	-6.58	-6.58	4.00		1	0.3	0.2
HL_DMH001475	HL_DMH001475	HL_DMH001476	Circular	Pipe	102	0.013	-1.00	-1.50	2.50		1	0.3	0.2
HL_DMH001476	HL_DMH001476	HL_DS007912	Circular	Pipe	69	0.013	-1.50	-2.00	2.50		1	0.3	0.2
HL_DMH001490	HL_DMH001490	HL_DS008014	Circular	Pipe	62	0.013	-4.01	-4.08	4.00		1	0.3	1.5
HL_DMH001491	HL_DMH001491	HL_DS008014	Circular	Pipe	33	0.013	-3.66	-4.08	4.00		1	0.3	1.0
HL_DMH001492	HL_DMH001492	HL_FDG000155	Circular	Pipe	50	0.013	-8.54	-8.60	5.00		1	0.3	0.2
HL_DMH001517	HL_DMH001517	HL_DMH000840	Circular	Pipe	561	0.013	-8.43	-8.65	4.00		1	0.3	0.2
HL_DMH001519	HL_DMH001519	HL_AGE999110	Circular	Pipe	98	0.024	-1.50	-2.00	1.25		1	0.3	1.0
HL_DMH001528	HL_DMH001528	HL_DS005738	Circular	Pipe	176	0.024	-2.00	-2.20	1.50		1	0.3	0.2
HL_DMH001556	HL_DMH001556	HL_DS003081	Circular	Pipe	17	0.024	-1.00	-1.10	1.50		1	0.3	0.2
HL_DMH001563	HL_DMH001563	HL_DS008421	Circular	Pipe	70	0.013	-1.50	-2.00	2.00		1	0.3	1.0
HL_DMH001565	HL_DMH001565	HL_DMH001564	Circular	Pipe	166	0.013	0.96	-0.03	2.00		1	0.3	0.2
HL_DMH001567	HL_DMH001567	HL_DS003692	Circular	Pipe	127	0.024	-2.00	-2.30	1.00		1	0.3	0.5
HL_DMH001569_1	HL_DMH001569	HL_DMH001568	Circular	Pipe	398	0.013	1.24	1.00	2.00		1	0.3	0.2
HL_DMH001569_2	HL_DS008431	HL_DMH001569	Circular	Pipe	135	0.013	-0.49	-0.51	2.00		1	0.3	0.7
HL_DMH001571	HL_DMH001571	HL_DS008431	Circular	Pipe	40	0.013	-1.77	-2.01	2.00		1	0.3	0.7
HL_DMH001572	HL_DMH001572	HL_DMH001571	Circular	Pipe	126	0.013	-1.49	-1.78	2.00		1	0.3	0.7
HL_DMH001573_1	HL_DMH001573	HL_DMH001572	Circular	Pipe	91	0.013	-1.27	-1.50	2.00		1	0.3	0.4
HL_DMH001573_2	HL_DMH001574	HL_DMH001573	Circular	Pipe	221	0.013	0.02	0.01	2.00		1	0.3	0.4
HL_DMH001575	HL_DMH001575	HL_DMH000462	Circular	Pipe	126	0.013	0.16	-0.02	2.50		1	0.3	0.2
HL_DMH001580	HL_DMH001580	HL_DMH001579	Circular	Pipe	239	0.013	0.20	0.00	2.00		1	0.3	0.2
HL_DMH001581	HL_DMH001581	HL_DMH001580	Circular	Pipe	256	0.013	0.40	0.20	2.00		1	0.3	0.2
HL_DMH001582	HL_DMH001582	HL_DMH001581	Circular	Pipe	116	0.013	0.50	0.40	1.50		1	0.3	0.7
HL_DMH001588	HL_DMH001588	HL_DMH001775	Circular	Pipe	37	0.013	-9.50	-9.80	7.00		1	0.3	0.2
HL_DMH001639	HL_DMH001639	PS_DMH000371	Circular	Pipe	247	0.013	-2.50	-2.90	2.00		1	0.3	1.4
HL_DMH001761	HL_DMH001761	HL_CICW98040	Circular	Pipe	29	0.024	-2.50	-3.00	1.50		1	0.3	1.0
HL_DMH001762	HL_DMH001762	HL_CICW98038	Circular	Pipe	222	0.013	-2.50	-3.00	1.50		1	0.3	1.0
HL_DMH001764	HL_DMH001764	HL_CNL98041	Circular	Pipe	14	0.011	-2.50	-3.00	1.50		1	0.3	1.0
HL_DMH001765	HL_DMH001765	HL_CNL98142	Circular	Pipe	40	0.024	-4.47	-5.00	3.00		1	0.3	2.8
HL_DMH001766	HL_DMH001766	HL_CNL98042	Circular	Pipe	101	0.011	-4.58	-4.58	3.00		1	0.3	2.8
HL_DMH001775	HL_DMH001775	HL_CNL98042	Circular	Pipe	32	0.013	-9.92	-10.10	7.00		1	0.3	2.8
HL_DMH001862	HL_DMH001862	HL_DMH001863	Circular	Pipe	118	0.013	-4.00	-4.51	3.00		1	0.3	0.5
HL_DMH001864	HL_DMH001864	HL_AGE999012	Circular	Pipe	39	0.013	-4.39	-3.90	3.00		1	0.3	1.0
HL_DMH001866	HL_DMH001866	HL_DMH001867	Circular	Pipe	445	0.011	0.00	-0.50	1.50		1	0.3	0.2
HL_DMH001867	HL_DMH001867	HL_DMH001868	Circular	Pipe	307	0.011	-0.50	-1.00	1.50		1	0.3	0.7
HL_DMH001868	HL_DMH001868	HL_DS005838	Circular	Pipe	11	0.011	-1.00	-1.10	1.50		1	0.3	0.7
HL_DMH001881	HL_DMH001881	HL_DMH001575	Circular	Pipe	39	0.024	-0.21	0.16	2.00		1	0.3	0.2
HL_DMH001888	HL_DMH001888	HL_DMH000167	Circular	Pipe	247	0.013	0.60	0.40	1.50		1	0.3	0.2
HL_DMH001889	HL_DMH001889	HL_DO000846	Circular	Pipe	134	0.013	-5.43	-6.58	3.50		1	0.3	1.0
HL_DMH001891	HL_DMH001891	RP_DMH000565	Circular	Pipe	57	0.013	1.00	0.50	1.25		1	0.3	0.6
HL_DMH001896	HL_DMH001896	HL_DMH000281	Circular	Pipe	233	0.024	0.00	-1.02	3.00		1	0.3	0.7
HL_DMH001925	HL_DMH001925	HL_DS003294	Circular	Pipe	33	0.013	0.00	-0.50	1.50		1	0.3	0.7
HL_DMH001928	HL_DMH001928	HL_DS005809	Circular	Pipe	21	0.013	-1.80	-2.00	1.50		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DM0002048	HL_DM0002048	HL_DM0002049	Circular	Pipe	237	0.013	-2.20	-2.30	1.25		1	0.3	0.7
HL_DM0002049	HL_DM0002049	HL_DS007601	Circular	Pipe	15	0.013	-2.30	-2.40	1.25		1	0.3	0.7
HL_DM0002050	HL_DM0002050	HL_DM0002066	Circular	Pipe	46	0.013	-4.88	-4.98	2.00		1	0.3	0.2
HL_DM0002052	HL_DM0002052	HL_CSL98052	Circular	Pipe	47	0.011	-3.50	-4.00	2.50		1	0.3	2.8
HL_DM0002054	HL_DM0002054	HL_CDW98914	Circular	Pipe	144	0.013	-3.50	-4.00	2.50		1	0.3	2.8
HL_DM0002059	HL_DM0002059	HL_DS005794	Circular	Pipe	131	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DM0002060	HL_DM0002060	HL_DM0002099	Circular	Pipe	380	0.024	-4.00	-4.50	2.50		1	0.3	0.2
HL_DM0002061	HL_DM0002061	HL_CSL98252	Circular	Pipe	239	0.013	-2.80	-3.00	2.00		1	0.3	2.8
HL_DM0002062	HL_DM0002062	HL_CICW98050	Circular	Pipe	23	0.013	-2.50	-3.00	2.00		1	0.3	2.8
HL_DO000183	HL_DO000183	HL_DO000184	Circular	Pipe	49	0.013	-4.00	-4.10	6.00		1	0.5	0.5
HL_DO000232	HL_DO000232DS	HL_PS000006	Circular	Pipe	231	0.011	-3.50	-4.00	2.50		1	0.3	1.0
HL_DO000308	HL_DO000308	HL_DS007544	Circular	Pipe	146	0.013	-4.33	-7.93	4.00		1	0.3	0.7
HL_DO000313	HL_DO000313	HL_DO000300	Circular	Pipe	46	0.024	-4.00	-4.10	4.00		2	0.5	1.0
HL_DO000316	HL_DO000316	HL_DO000313	Circular	Pipe	45	0.013	-3.00	-3.10	3.00		1	0.5	1.0
HL_DO000400	HL_DO000400	HL_DM000921	Circular	Pipe	40	0.013	-4.10	-4.18	6.00		1	0.3	0.2
HL_DO000401	HL_DO000401	HL_AGE999114	Circular	Pipe	37	0.013	-3.85	-5.00	6.00		1	0.5	0.5
HL_DO000403	HL_DO000403	HL_DO000404	Circular	Pipe	35	0.013	-4.00	-4.29	6.00		1	0.5	0.5
HL_DO000413	HL_DO000413	HL_SDS007264	Circular	Pipe	56	0.013	-2.13	-1.92	2.00		1	0.5	1.0
HL_DO000421	HL_DO000421	HL_DO000424	Circular	Pipe	48	0.013	-3.50	-3.60	5.00		1	0.5	0.5
HL_DO000424	HL_DO000424	HL_DO000406	Circular	Pipe	86	0.013	-3.50	-3.60	5.00		1	0.5	0.5
HL_DO000432	HL_DO000432	HL_DO000426	Circular	Pipe	16	0.024	-2.58	-2.58	3.00		1	0.5	0.5
HL_DO000473	HL_DO000473	HL_DO000381	Circular	Pipe	176	0.013	-4.00	-4.10	3.00		1	0.5	0.5
HL_DO000843	HL_DO000214	HL_DO000844	Circular	Pipe	122	0.013	-0.24	-0.35	2.00		1	0.5	1.0
HL_DS000363	HL_DS000363	HL_DS000474	Circular	Pipe	45	0.013	-2.50	-3.00	1.25		1	0.3	0.7
HL_DS000364	HL_DS000364	HL_DS000441	Circular	Pipe	42	0.013	-2.50	-2.60	1.25		1	0.3	0.7
HL_DS000365	HL_DS000365	HL_DS000443	Circular	Pipe	35	0.013	-2.80	-3.00	1.25		1	0.3	0.7
HL_DS000396	HL_DS000396	HL_CNL98042	Circular	Pipe	37	0.013	-4.70	-4.70	2.00		1	0.3	2.8
HL_DS000407	HL_DS000407	HL_DS003001	Circular	Pipe	163	0.013	-8.50	-8.70	7.00		1	0.3	0.7
HL_DS000430	HL_DS000430	HL_DS004389	Circular	Pipe	161	0.013	-3.50	-3.70	1.50		1	0.3	0.2
HL_DS000441	HL_DS000441	HL_DS000443	Circular	Pipe	169	0.013	-2.60	-3.59	2.50		1	0.3	0.7
HL_DS000444	HL_DS000444	HL_DS004397	Circular	Pipe	169	0.013	-3.39	-3.54	2.50		1	0.3	0.2
HL_DS000447	HL_DS000447	HL_DS000456	Circular	Pipe	35	0.013	-3.22	-3.29	2.00		1	0.3	0.7
HL_DS000449	HL_DS000449	HL_DS000447	Circular	Pipe	48	0.011	-3.20	-3.22	1.67		1	0.3	0.7
HL_DS000450	HL_DS000450	HL_DS000449	Circular	Pipe	177	0.013	-3.00	-3.20	2.00		1	0.3	0.2
HL_DS000453	HL_DS000453	HL_DS004390	Circular	Pipe	193	0.013	-3.50	-3.90	1.50		1	0.3	0.7
HL_DS000454	HL_DS000454	HL_DS000444	Circular	Pipe	405	0.013	-3.29	-3.39	2.50		1	0.3	0.2
HL_DS000456	HL_DS000456	HL_DS000454	Circular	Pipe	154	0.013	-3.29	-3.29	2.50		1	0.3	0.2
HL_DS000459	HL_DS000459	HL_DS000450	Circular	Pipe	395	0.013	-2.64	-3.00	2.00		1	0.3	0.2
HL_DS000474	HL_DS000474	HL_DM000854	Circular	Pipe	186	0.013	-3.00	-3.20	1.25		1	0.3	0.2
HL_DS000481_1	HL_DS000481	HL_DM000842	Circular	Pipe	210	0.013	-4.40	-4.43	1.50		1	0.3	0.2
HL_DS000481_2	HL_DS000481	HL_DM000856	Circular	Pipe	210	0.013	-4.59	-4.77	3.00		1	0.3	0.2
HL_DS000483_1	HL_DS000483	HL_DS000481	Circular	Pipe	32	0.013	-4.59	-4.59	3.00		1	0.3	0.7
HL_DS000504	HL_DS000504	HL_DM000860	Circular	Pipe	15	0.013	-3.92	-4.43	2.50		1	0.3	0.7
HL_DS000509	HL_DS000509	HL_DM000838	Circular	Pipe	173	0.013	-3.00	-3.20	1.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS000557	HL_DS000557	HL_DS007317	Circular	Pipe	77	0.013	-4.00	-4.50	3.00		1	0.3	1.0
HL_DS000558	HL_DS000558	HL_DS000674	Circular	Pipe	98	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS000560	HL_DS000560	HL_DS000557	Circular	Pipe	65	0.013	-3.50	-4.00	3.00		1	0.3	0.2
HL_DS000573	HL_DS000573	HL_DS000578	Circular	Pipe	124	0.013	-8.73	-8.85	3.50		1	0.3	0.2
HL_DS000575	HL_DS000575	HL_DS007172	Circular	Pipe	21	0.013	-3.28	-3.31	2.00		1	0.3	0.7
HL_DS000578	HL_DS000578	HL_DS003165	Circular	Pipe	65	0.013	-8.89	-8.98	3.50		1	0.3	0.4
HL_DS000656	HL_DS000656	HL_DM000871	Circular	Pipe	113	0.013	0.00	-0.50	3.00		1	0.3	0.2
HL_DS000657	HL_DS000657	HL_DM000883	Circular	Pipe	169	0.013	-3.00	-3.20	4.50		1	0.3	0.2
HL_DS000663	HL_DS000663	HL_DM000887	Circular	Pipe	128	0.013	-1.00	-1.50	3.00		1	0.3	0.2
HL_DS000665	HL_DS000665	HL_DS000663	Circular	Pipe	140	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS000668	HL_DS000668	HL_DM000930	Circular	Pipe	156	0.013	-1.50	-2.00	2.50		1	0.3	0.2
HL_DS000671	HL_DS000671	HL_DM000930	Circular	Pipe	115	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DS000672	HL_DS000672	HL_DM000887	Circular	Pipe	22	0.013	0.00	0.00	1.25		1	0.3	0.2
HL_DS000674	HL_DS000674	HL_DS000684	Circular	Pipe	269	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS000675	HL_DS000675	HL_DS000676	Circular	Pipe	68	0.013	-4.00	-4.10	4.50		1	0.3	0.2
HL_DS000676	HL_DS000676	HL_DS000677	Circular	Pipe	74	0.013	-4.10	-4.30	4.50		1	0.3	0.2
HL_DS000677	HL_DS000677	HL_DS000681	Circular	Pipe	98	0.013	-4.30	-4.50	4.50		1	0.3	0.2
HL_DS000678	HL_DS000678	HL_DS000679	Circular	Pipe	181	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS000679	HL_DS000679	HL_DM000893	Circular	Pipe	104	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS000681	HL_DS000681	HL_DS007317	Circular	Pipe	127	0.013	-4.50	-4.80	4.50		1	0.3	1.0
HL_DS000683	HL_DS000683	HL_DS000685	Circular	Pipe	88	0.013	0.00	-0.50	2.50		1	0.3	0.2
HL_DS000684	HL_DS000684	HL_DM000892	Circular	Pipe	100	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS000685	HL_DS000685	HL_DS000686	Circular	Pipe	105	0.013	-0.50	-1.00	2.50		1	0.3	0.2
HL_DS000686	HL_DS000686	HL_DS007905	Circular	Pipe	95	0.013	-1.00	-1.50	2.50		1	0.3	0.2
HL_DS000688	HL_DS000688	HL_DM000894	Circular	Pipe	118	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS000689	HL_DS000689	HL_DS000688	Circular	Pipe	166	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS000709	HL_DS000709	HL_DM000928	Circular	Pipe	102	0.013	0.00	0.00	1.25		1	0.3	0.2
HL_DS000711	HL_DS000711	HL_DS000909	Circular	Pipe	63	0.013	0.00	0.00	1.25		1	0.3	0.2
HL_DS000712	HL_DS000712	HL_DS000718	Circular	Pipe	140	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DS000715	HL_DS000715	HL_DM000905	Circular	Pipe	144	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS000716	HL_DS000716	HL_DM000907	Circular	Pipe	79	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DS000717	HL_DS000717	HL_DS000657	Circular	Pipe	59	0.013	0.00	0.00	1.25		1	0.3	0.2
HL_DS000718	HL_DS000718	HL_DS000656	Circular	Pipe	128	0.013	0.00	0.00	3.00		1	0.3	0.2
HL_DS000721	HL_DS000721	HL_DS000723	Circular	Pipe	270	0.013	0.00	0.00	2.00		1	0.3	0.4
HL_DS000723	HL_DS000723	HL_DS000671	Circular	Pipe	58	0.013	0.00	0.00	2.00		1	0.3	0.6
HL_DS000724	HL_DS000724	HL_DM000910	Circular	Pipe	138	0.013	-0.50	-1.00	2.50		1	0.3	0.7
HL_DS000726	HL_DS000726	HL_DS000724	Circular	Pipe	135	0.013	0.00	-0.50	2.00		1	0.3	0.2
HL_DS000727	HL_DS000727	HL_DS000726	Circular	Pipe	144	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS000787	HL_DS000787	HL_DS003287	Circular	Pipe	36	0.024	0.00	-0.50	1.00		1	0.3	0.7
HL_DS000907	HL_DS000907	HL_DS000908	Circular	Pipe	25	0.013	-1.60	-1.80	3.00		1	0.3	0.2
HL_DS000908	HL_DS000908	HL_DM000928	Circular	Pipe	59	0.013	-1.80	-2.00	3.00		1	0.3	0.2
HL_DS000909	HL_DS000909	HL_DM000929	Circular	Pipe	116	0.013	-2.20	-2.40	4.00		1	0.3	0.2
HL_DS000917	HL_DS000917	HL_DS003330	Circular	Pipe	121	0.024	-4.08	-4.22	4.00		1	0.3	0.2
HL_DS001028	HL_DS001028	HL_DM000846	Circular	Pipe	195	0.013	-4.00	-4.40	1.50		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS001538	HL_DS001538	HL_DS001735	Circular	Pipe	26	0.013	0.00	0.00	2.00		1	0.3	0.6
HL_DS001544	HL_DS001544	HL_DM000303	Circular	Pipe	237	0.013	-1.00	-2.00	2.50		1	0.3	0.2
HL_DS001546	HL_DS001546	HL_DM000309	Circular	Pipe	196	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS001554	HL_DS001554	HL_DS003323	Circular	Pipe	117	0.013	-3.50	-3.58	2.50		1	0.3	0.7
HL_DS001555	HL_DS001555	HL_DS001789	Circular	Pipe	56	0.013	-2.00	-1.90	2.00		1	0.3	0.2
HL_DS001576	HL_DS001576	HL_DS003340	Circular	Pipe	72	0.013	-3.00	-3.58	1.50		1	0.3	0.7
HL_DS001593	HL_DS001593	HL_DS003864	Circular	Pipe	31	0.013	0.10	0.00	1.25		1	0.3	0.2
HL_DS001608	HL_DS001608	HL_DS001615	Circular	Pipe	64	0.013	-1.70	-1.60	2.00		1	0.3	0.2
HL_DS001615	HL_DS001615	HL_DS003324	Circular	Pipe	271	0.013	-1.60	-1.70	2.00		1	0.3	0.2
HL_DS001619	HL_DS001619	HL_DS003165	Circular	Pipe	130	0.013	-6.00	-8.00	1.50		1	0.3	0.2
HL_DS001624	HL_DS001624	BC_NID09849	Circular	Pipe	49	0.013	-1.90	-2.00	2.00		1	0.3	0.2
HL_DS001628	HL_DS001628	HL_DM000872	Circular	Pipe	85	0.013	-5.69	-5.78	2.50		1	0.3	0.2
HL_DS001636	HL_DS001636	HL_DS001624	Circular	Pipe	262	0.013	-1.80	-1.90	2.00		1	0.3	0.2
HL_DS001711	HL_DS001711	HL_DS001770	Circular	Pipe	110	0.013	0.00	0.00	1.50		1	0.3	0.7
HL_DS001712	HL_DS001712	HL_DS001715	Circular	Pipe	59	0.013	-2.50	-3.00	3.50		1	0.3	0.7
HL_DS001714	HL_DS001714	HL_DS007227	Circular	Pipe	114	0.013	0.00	0.00	2.00		1	0.3	1.0
HL_DS001715	HL_DS001715	HL_DS001722	Circular	Pipe	321	0.013	-3.00	-4.00	3.50		1	0.3	0.7
HL_DS001719	HL_DS001719	HL_DS002461	Circular	Pipe	86	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS001720	HL_DS001720	HL_DS001719	Circular	Pipe	133	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS001721	HL_DS001721	HL_DS001720	Circular	Pipe	50	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS001722	HL_DS001722	HL_DS007227	Circular	Pipe	78	0.013	-4.00	-4.50	4.50		1	0.3	1.0
HL_DS001730	HL_DS001730	HL_DS001544	Circular	Pipe	309	0.013	0.00	-1.00	2.50		1	0.3	0.2
HL_DS001731	HL_DS001731	HL_DO000381	Circular	Pipe	94	0.013	-4.00	-4.50	3.50		1	0.3	1.0
HL_DS001732_1	HL_DS001732	HL_DS001731	Circular	Pipe	62	0.013	-3.50	-4.00	3.50		1	0.3	0.2
HL_DS001732_2	HL_DS001732	HL_DO000381	Circular	Pipe	216	0.013	-2.00	-2.50	1.50		1	0.3	1.0
HL_DS001735	HL_DS001735	HL_DM000376	Circular	Pipe	178	0.013	0.00	-0.50	2.50		1	0.3	0.6
HL_DS001736	HL_DS001736	HL_DM000303	Circular	Pipe	148	0.013	-1.00	-2.00	3.00		1	0.3	0.5
HL_DS001738	HL_DS001738	HL_DM000378	Circular	Pipe	173	0.013	0.00	0.00	1.50		1	0.3	0.5
HL_DS001740	HL_DS001740	HL_DS001741	Circular	Pipe	27	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS001741	HL_DS001741	HL_DO000381	Circular	Pipe	128	0.013	-2.50	-3.00	2.00		1	0.3	1.0
HL_DS001742	HL_DS001742	HL_DS001740	Circular	Pipe	83	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS001743	HL_DS001743	HL_CDW98913	Circular	Pipe	233	0.013	-1.50	-2.50	1.50		1	0.3	1.0
HL_DS001744	HL_DS001744	HL_DO000381	Circular	Pipe	198	0.013	-1.50	-2.50	1.50		1	0.5	0.2
HL_DS001745	HL_DS001745	HL_DO000381	Circular	Pipe	104	0.013	-3.00	-3.50	2.50		1	0.3	1.0
HL_DS001746	HL_DS001746	HL_DS001745	Circular	Pipe	25	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DS001747	HL_DS001747	HL_DM000378	Circular	Pipe	182	0.013	0.00	0.00	2.00		1	0.3	0.5
HL_DS001748	HL_DS001748	HL_DS001746	Circular	Pipe	72	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DS001749	HL_DS001749	HL_DS001748	Circular	Pipe	24	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS001751	HL_DS001751	HL_DS001742	Circular	Pipe	169	0.013	0.00	0.00	1.50		1	0.3	0.7
HL_DS001770	HL_DS001770	HL_DM000491	Circular	Pipe	206	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS001771	HL_DS001771	HL_DS008129	Circular	Pipe	44	0.013	-2.00	-2.50	1.50		1	0.3	0.7
HL_DS001775	HL_DS001775	HL_DM000496	Circular	Pipe	273	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS001777	HL_DS001777	HL_DM000496	Circular	Pipe	87	0.013	-1.50	-1.90	3.50		1	0.3	0.2
HL_DS001778	HL_DS001778	HL_DS001788	Circular	Pipe	28	0.013	0.00	0.00	2.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS001779	HL_DS001779	HL_DMH000491	Circular	Pipe	39	0.013	-2.40	-2.50	4.00		1	0.3	0.7
HL_DS001780	HL_DS001780	HL_DMH000505	Circular	Pipe	220	0.013	0.00	0.00	1.50		1	0.3	0.7
HL_DS001782	HL_DS001782	HL_DMH000498	Circular	Pipe	89	0.013	-0.50	-0.90	3.00		1	0.3	0.2
HL_DS001783	HL_DS001783	HL_DMH000500	Circular	Pipe	93	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS001785	HL_DS001785	HL_DMH000494	Circular	Pipe	98	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS001786	HL_DS001786	HL_DS001785	Circular	Pipe	250	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS001788	HL_DS001788	HL_DMH000492	Circular	Pipe	167	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS001789	HL_DS001789	HL_DS001608	Circular	Pipe	284	0.013	-1.90	-1.70	2.00		1	0.3	0.2
HL_DS001793	HL_DS001793	HL_DS001722	Circular	Pipe	63	0.013	-3.50	-4.00	4.50		1	0.3	0.2
HL_DS001794	HL_DS001794	HL_DS001793	Circular	Pipe	98	0.013	-3.00	-3.50	4.50		1	0.3	0.7
HL_DS001795	HL_DS001795	HL_DS001779	Circular	Pipe	43	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS001797	HL_DS001797	HL_DS001777	Circular	Pipe	48	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS001799	HL_DS001799	HL_DO000473	Circular	Pipe	133	0.013	-1.50	-2.50	1.50		4	0.3	1.0
HL_DS001805	HL_DS001805	HL_DS001782	Circular	Pipe	43	0.013	0.00	0.00	1.50		1	0.3	0.7
HL_DS001807	HL_DS001807	HL_DO000313	Circular	Pipe	238	0.024	-0.50	-1.00	1.00		1	0.3	1.0
HL_DS001809	HL_DS001809	HL_DS001807	Circular	Pipe	175	0.024	-0.40	-0.50	1.00		1	0.3	0.7
HL_DS001833	HL_DS001833	HL_DS007227	Circular	Pipe	140	0.013	0.00	0.00	2.00		1	0.3	1.0
HL_DS002448	HL_DS002448	HL_DMH000221	Circular	Pipe	153	0.013	-1.90	-2.00	1.50		1	0.3	0.2
HL_DS002449	HL_DS002449	HL_DS002997	Circular	Pipe	40	0.024	-6.00	-6.49	2.00		1	0.3	0.7
HL_DS002451	HL_DS002451	HL_DS002452	Circular	Pipe	47	0.013	-2.50	-3.00	1.50		1	0.3	0.2
HL_DS002452	HL_DS002452	HL_VCD000069	Circular	Pipe	102	0.013	-3.00	-3.50	1.50		1	0.3	0.2
HL_DS002453	HL_DS002453	HL_DS002454	Circular	Pipe	146	0.013	-2.00	-2.50	1.50		1	0.3	0.2
HL_DS002454	HL_DS002454	HL_DMH001421	Circular	Pipe	21	0.013	-2.50	-2.76	1.50		1	0.3	0.2
HL_DS002457	HL_DS002457	HL_DS008893	Circular	Pipe	241	0.024	-5.00	-6.70	1.75		1	0.3	0.2
HL_DS002461	HL_DS002461	HL_DS001714	Circular	Pipe	158	0.013	0.00	0.00	2.00		1	0.3	0.7
HL_DS002463	HL_DS002463	HL_DO000423	Circular	Pipe	121	0.013	-4.52	-5.00	3.00		1	0.3	0.2
HL_DS002470	HL_DS002470	HL_DMH000502	Circular	Pipe	96	0.013	0.00	0.00	2.00		1	0.3	0.2
HL_DS002471	HL_DS002471	HL_DMH000506	Circular	Pipe	190	0.013	0.00	0.00	1.50		1	0.3	0.7
HL_DS002472	HL_DS002472	HL_DMH000501	Circular	Pipe	106	0.013	0.00	0.00	2.50		1	0.3	0.2
HL_DS002473	HL_DS002473	HL_DMH000497	Circular	Pipe	118	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS002811	HL_DS002811	HL_DS008011	Circular	Pipe	52	0.011	-2.65	-2.73	3.00		1	0.3	0.2
HL_DS002814	HL_DS002814	HL_DS003893	Circular	Pipe	54	0.024	-1.50	-1.60	0.67		1	0.3	0.7
HL_DS002816	HL_DS002816	HL_DS002811	Circular	Pipe	44	0.024	-2.50	-2.65	1.50		1	0.3	0.7
HL_DS002817	HL_DS002817	HL_DS002816	Circular	Pipe	21	0.024	-2.40	-2.50	1.00		1	0.3	0.7
HL_DS002827	HL_DS002827	HL_FDG000077	Circular	Pipe	236	0.013	-6.50	-7.00	7.00		1	0.3	0.2
HL_DS002844	HL_DS002844	HL_DS002845	Circular	Pipe	65	0.013	-2.00	-2.50	0.67		1	0.3	0.2
HL_DS002845	HL_DS002845	HL_AGE999108	Circular	Pipe	49	0.013	-2.50	-2.90	0.67		1	0.3	0.7
HL_DS002852	HL_DS002852	HL_DS007621	Circular	Pipe	29	0.013	-1.70	-1.80	1.25		1	0.3	0.2
HL_DS002853	HL_DS002853	HL_DMH000314	Circular	Pipe	58	0.013	-3.80	-4.00	1.00		1	0.3	0.7
HL_DS002854	HL_DS002854	HL_DS003131	Circular	Pipe	31	0.013	-4.00	-4.20	1.00		1	0.3	0.2
HL_DS002863	HL_DS002863	HL_DS002864	Circular	Pipe	108	0.013	-1.50	-1.60	1.25		1	0.3	0.2
HL_DS002864	HL_DS002864	HL_DS002852	Circular	Pipe	44	0.013	-1.60	-1.70	1.25		1	0.3	0.2
HL_DS002869	HL_DS002869	HL_DMH000234	Circular	Pipe	115	0.013	-1.20	-1.50	1.25		1	0.3	0.2
HL_DS002875	HL_DS002875	HL_DMH000230	Circular	Pipe	144	0.024	-2.60	-3.00	2.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS002876	HL_DS002876	HL_DS002921	Circular	Pipe	525	0.024	-3.00	-3.90	1.25		1	0.3	0.7
HL_DS002878_1	HL_DS005717	HL_DS002878	Circular	Pipe	50	0.013	-2.00	-2.50	1.00		1	0.3	0.2
HL_DS002878_2	HL_DS002878	HL_DS002876	Circular	Pipe	175	0.024	-2.50	-3.00	1.00		1	0.3	0.2
HL_DS002881	HL_DS002881	HL_DS002885	Circular	Pipe	50	0.024	-1.54	-2.06	2.00		1	0.3	0.5
HL_DS002882	HL_DS002882	HL_DS008467	Circular	Pipe	35	0.024	-4.50	-5.00	1.25		1	0.3	0.7
HL_DS002883	HL_DS002883	HL_DS002882	Circular	Pipe	26	0.024	-4.00	-4.50	1.25		1	0.3	0.5
HL_DS002885	HL_DS002885	HL_DS002886	Circular	Pipe	156	0.011	-2.21	-2.25	2.50		1	0.3	0.2
HL_DS002886_1	HL_DS002886	HL_DS002888	Circular	Pipe	272	0.011	-2.10	-2.60	2.50		1	0.3	0.2
HL_DS002886_2	HL_DO000235	HL_DS002886	Circular	Pipe	165	0.011	0.00	-2.10	2.00		1	0.5	0.7
HL_DS002887	HL_DS002887	HL_DS005720	Circular	Pipe	218	0.011	-2.30	-2.47	2.50		1	0.3	0.5
HL_DS002888	HL_DS002888	HL_DS002889	Circular	Pipe	311	0.011	-2.55	-3.28	2.50		1	0.3	0.2
HL_DS002889	HL_DS002889	HL_DS002890	Circular	Pipe	209	0.011	-3.28	-3.03	2.50		1	0.3	0.2
HL_DS002890	HL_DS002890	HL_DS002891	Circular	Pipe	98	0.011	-3.03	-3.50	2.50		1	0.3	0.2
HL_DS002891	HL_DS002891	HL_PS000006	Circular	Pipe	35	0.011	-3.50	-4.00	2.50		1	0.3	1.0
HL_DS002892	HL_DS002892	HL_PS000006	Circular	Pipe	24	0.011	-3.40	-3.50	2.00		1	0.3	1.0
HL_DS002893	HL_DS002893	HL_DS002892	Circular	Pipe	315	0.011	-3.20	-3.40	2.00		1	0.3	0.4
HL_DS002894	HL_DS002894	HL_DS002893	Circular	Pipe	322	0.011	-3.00	-3.20	2.00		1	0.3	0.2
HL_DS002895	HL_DS002895	HL_DS002913	Circular	Pipe	40	0.013	-1.90	-2.00	2.00		1	0.3	0.2
HL_DS002899	HL_DS002899	HL_DS002887	Circular	Pipe	235	0.011	-2.20	-2.30	2.50		1	0.3	0.2
HL_DS002900	HL_DS002900	HL_DS002901	Circular	Pipe	222	0.011	-2.02	-2.10	2.50		1	0.3	0.2
HL_DS002901	HL_DS002901	HL_DS002899	Circular	Pipe	257	0.011	-2.10	-2.20	2.50		1	0.3	0.2
HL_DS002902	HL_DS002902	HL_DS002900	Circular	Pipe	412	0.011	-1.50	-1.60	2.00		1	0.3	0.2
HL_DS002903	HL_DS002903	HL_DS002902	Circular	Pipe	196	0.011	-1.00	-1.50	2.00		1	0.3	0.2
HL_DS002904	HL_DS002904	HL_DS002903	Circular	Pipe	311	0.011	-0.10	-1.00	2.00		1	0.3	0.2
HL_DS002906	HL_DS002906	HL_DS008969	Circular	Pipe	21	0.013	-2.30	-2.54	2.00		1	0.3	0.2
HL_DS002909	HL_DS002909	HL_DS002917	Circular	Pipe	34	0.024	-4.00	-4.50	1.00		1	0.3	0.5
HL_DS002910_1	HL_DS002910	HL_DS002875	Circular	Pipe	39	0.024	-2.50	-2.60	2.00		1	0.3	0.2
HL_DS002910_2	HL_DM000235	HL_DS002910	Circular	Pipe	138	0.013	-2.30	-2.50	1.25		1	0.3	0.2
HL_DS002913	HL_DS002913	HL_DS002906	Circular	Pipe	298	0.013	-2.00	-2.30	1.75		1	0.3	0.7
HL_DS002915	HL_DS002915	HL_DS002950	Circular	Pipe	158	0.024	-1.80	-2.00	1.00		1	0.3	0.2
HL_DS002917	HL_DS002917	HL_DS008466	Circular	Pipe	35	0.024	-4.50	-5.00	1.00		1	0.3	0.5
HL_DS002919	HL_DS002919	HL_DS002888	Circular	Pipe	46	0.024	-0.40	-1.80	2.00		1	0.3	0.7
HL_DS002921	HL_DS002921	HL_DS002883	Circular	Pipe	26	0.024	-3.90	-4.00	1.25		1	0.3	0.6
HL_DS002924	HL_DS002924	HL_DM000229	Circular	Pipe	40	0.013	-1.70	-1.80	1.75		1	0.3	0.7
HL_DS002925	HL_DS002925	HL_DS002924	Circular	Pipe	144	0.024	-1.50	-1.70	1.75		1	0.3	0.2
HL_DS002926	HL_DS002926	HL_DS002949	Circular	Pipe	29	0.024	-1.70	-1.80	1.00		1	0.3	0.2
HL_DS002927	HL_DS002927	HL_DS002926	Circular	Pipe	63	0.024	-1.60	-1.70	1.00		1	0.3	0.2
HL_DS002928	HL_DS002928	HL_DS002927	Circular	Pipe	65	0.024	-1.50	-1.60	1.50		1	0.3	0.2
HL_DS002929	HL_DS002929	HL_DM001766	Circular	Pipe	135	0.024	-3.05	-4.46	3.00		1	0.3	0.5
HL_DS002930	HL_DS002930	HL_DS002954	Circular	Pipe	40	0.024	-3.18	-3.39	2.25		1	0.3	0.2
HL_DS002931	HL_DS002931	HL_DS002889	Circular	Pipe	44	0.024	-0.52	-2.23	2.00		1	0.3	0.7
HL_DS002932	HL_DS002932	HL_DS002944	Circular	Pipe	414	0.024	-3.00	-3.40	1.00		1	0.3	0.7
HL_DS002933	HL_DS002933	HL_DS002930	Circular	Pipe	40	0.024	-2.50	-3.00	1.00		2	0.3	0.7
HL_DS002934	HL_DS002934	HL_CNL98042	Circular	Pipe	47	0.024	-2.10	-2.50	1.25		1	0.3	2.8

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS002936	HL_DS002936	HL_DS002937	Circular	Pipe	157	0.024	-2.50	-2.90	1.00		1	0.3	0.2
HL_DS002937	HL_DS002937	HL_DS002932	Circular	Pipe	27	0.024	-2.90	-3.00	1.00		1	0.3	0.7
HL_DS002938	HL_DS002938	HL_DS002928	Circular	Pipe	39	0.024	-1.40	-1.50	1.00		1	0.3	0.2
HL_DS002939	HL_DS002939	HL_DS002938	Circular	Pipe	50	0.013	-1.30	-1.40	1.25		1	0.3	0.7
HL_DS002940	HL_DS002940	HL_DS002941	Circular	Pipe	146	0.024	-3.50	-4.00	2.00		1	0.3	0.2
HL_DS002941	HL_DS002941	HL_DS002929	Circular	Pipe	40	0.024	-4.05	-3.30	2.50		1	0.3	0.2
HL_DS002942	HL_DS002942	HL_DS009043	Circular	Pipe	46	0.011	-2.70	-2.80	1.50		1	0.3	0.2
HL_DS002943	HL_DS002943	HL_DS002942	Circular	Pipe	184	0.024	-2.50	-2.70	1.50		1	0.3	0.5
HL_DS002944	HL_DS002944	HL_DS002940	Circular	Pipe	38	0.024	-3.40	-3.50	2.00		1	0.3	0.2
HL_DS002946	HL_DS002946	HL_DS002906	Circular	Pipe	33	0.013	-2.10	-2.30	1.75		1	0.3	0.2
HL_DS002947	HL_DS002947	HL_DS002943	Circular	Pipe	259	0.024	-2.20	-2.50	1.50		1	0.3	0.2
HL_DS002948	HL_DS002948	HL_FDG000033	Circular	Pipe	21	0.024	-2.00	-2.10	1.00		1	0.3	0.2
HL_DS002949	HL_DS002949	HL_DS002948	Circular	Pipe	124	0.024	-1.80	-2.00	1.00		1	0.3	0.2
HL_DS002950	HL_DS002950	HL_FDG000033	Circular	Pipe	43	0.024	-2.00	-2.10	1.25		1	0.3	0.2
HL_DS002951	HL_DS002951	HL_DS002940	Circular	Pipe	40	0.024	-3.00	-3.50	1.00		2	0.3	0.7
HL_DS002954	HL_DS002954	HL_DM001765	Circular	Pipe	195	0.024	-3.39	-4.39	3.00		1	0.3	0.5
HL_DS002964	HL_DS002964	HL_DS002890	Circular	Pipe	44	0.024	-2.50	-3.00	1.50		1	0.3	0.7
HL_DS002972	HL_DS002972	HL_DM001415	Circular	Pipe	91	0.013	-4.14	-3.72	2.50		1	0.3	0.2
HL_DS002976	HL_DS002976	HL_DS002972	Circular	Pipe	91	0.013	-3.70	-3.87	2.50		1	0.3	0.5
HL_DS002979	HL_DS002979	HL_DM000250	Circular	Pipe	31	0.013	-2.80	-3.00	1.50		1	0.3	0.2
HL_DS002984	HL_DS002984	HL_DS002893	Circular	Pipe	45	0.024	-3.50	-3.00	1.50		1	0.3	0.7
HL_DS002985	HL_DS002985	HL_DS002986	Circular	Pipe	110	0.013	0.20	0.10	1.00		1	0.3	0.7
HL_DS002986_1	HL_DS002986	HL_DS003010	Circular	Pipe	53	0.024	0.10	0.00	0.67		1	0.3	0.2
HL_DS002986_2	HL_DS002986	HL_DS003010	Circular	Pipe	53	0.024	0.10	0.00	0.67		1	0.3	0.2
HL_DS002989	HL_DS002989	HL_DM001776	Circular	Pipe	15	0.016	-3.00	-3.40	1.25		1	0.3	0.6
HL_DS002990	HL_DS002990	HL_DM000843	Circular	Pipe	24	0.013	-3.00	-3.02	2.00		1	0.3	0.2
HL_DS002993	HL_DS002993	HL_DM000250	Circular	Pipe	168	0.011	-4.00	-3.50	1.00		1	0.3	0.7
HL_DS002996	HL_DS002996	HL_DS002997	Circular	Pipe	168	0.024	-5.23	-6.49	3.00		1	0.3	0.7
HL_DS002997	HL_DS002997	HL_DS007119	Circular	Pipe	50	0.024	-6.49	-6.50	4.50		1	0.3	0.2
HL_DS002998	HL_DS002998	HL_DS002996	Circular	Pipe	191	0.024	-4.82	-5.23	3.00		1	0.3	0.2
HL_DS002999	HL_DS002999	HL_DS002998	Circular	Pipe	240	0.024	-4.00	-4.82	3.00		1	0.3	0.2
HL_DS003001	HL_DS003001	HL_DM000251	Circular	Pipe	443	0.013	-8.70	-9.00	7.00		1	0.3	0.2
HL_DS003007	HL_DS003007	HL_DS002827	Circular	Pipe	36	0.011	0.00	-0.50	1.33		1	0.3	0.7
HL_DS003010	HL_DS003010	HL_FDG000078	Circular	Pipe	279	0.013	0.00	-1.00	1.00		1	0.3	0.7
HL_DS003013	HL_DS003013	HL_FDG000037	Circular	Pipe	298	0.013	-5.38	-6.00	7.00		1	0.3	0.2
HL_DS003015	HL_DS003015	HL_DS003013	Circular	Pipe	60	0.013	-1.90	-3.00	3.00		1	0.3	0.2
HL_DS003017	HL_DS003017	HL_DM000263	Circular	Pipe	13	0.013	1.60	1.50	1.25		1	0.3	0.7
HL_DS003018	HL_DS003018	HL_DS003762	Circular	Pipe	132	0.024	-4.00	-3.48	1.75		1	0.3	0.2
HL_DS003019	HL_DS003019	HL_DS000459	Circular	Pipe	182	0.013	-1.96	-2.66	2.00		1	0.3	0.2
HL_DS003031	HL_DS003031	HL_DS003051	Circular	Pipe	42	0.024	-1.80	-2.00	1.00		1	0.3	0.2
HL_DS003041	HL_DS003041	HL_DS003793	Circular	Pipe	243	0.024	-2.50	-3.00	1.00		1	0.3	0.2
HL_DS003047	HL_DS003047	HL_CSL98052	Circular	Pipe	240	0.024	-2.50	-3.00	1.00		1	0.3	2.8
HL_DS003049	HL_DS003049	HL_DM000287	Circular	Pipe	29	0.024	-5.00	-5.00	1.00		1	0.3	0.2
HL_DS003050	HL_DS003050	HL_DS003047	Circular	Pipe	36	0.024	-2.30	-2.50	1.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003051	HL_DS003051	HL_DS003050	Circular	Pipe	143	0.024	-2.00	-2.30	1.00		1	0.3	0.2
HL_DS003055	HL_DS003055	HL_DS003068	Circular	Pipe	38	0.024	-1.40	-1.50	1.50		1	0.3	0.6
HL_DS003058	HL_DS003058	HL_DS004428	Circular	Pipe	194	0.013	-4.00	-5.01	2.00		1	0.3	0.2
HL_DS003060	HL_DS003060	HL_FDG000043	Circular	Pipe	55	0.024	-5.00	-6.50	1.00		1	0.3	0.7
HL_DS003061	HL_DS003061	HL_FDG000140	Circular	Pipe	25	0.013	-5.00	-5.00	1.00		1	0.3	0.7
HL_DS003062	HL_DS003062	HL_DMH000289	Circular	Pipe	15	0.024	-5.00	-5.40	1.00		1	0.3	0.2
HL_DS003064	HL_DS003064	HL_FDG000148	Circular	Pipe	45	0.024	-5.00	-5.50	1.00		1	0.3	0.7
HL_DS003068	HL_DS003068	HL_DS003069	Circular	Pipe	125	0.024	-1.50	-1.70	1.50		1	0.3	0.5
HL_DS003069	HL_DS003069	HL_DS007153	Circular	Pipe	37	0.024	-1.70	-2.00	1.25		1	0.3	0.2
HL_DS003071	HL_DS003071	HL_DS007150	Circular	Pipe	63	0.013	-3.00	-3.40	1.50		1	0.3	0.5
HL_DS003073	HL_DS003073	HL_DS003071	Circular	Pipe	265	0.013	-2.00	-3.00	1.25		1	0.3	0.4
HL_DS003074	HL_DS003074	HL_FDG000180	Circular	Pipe	43	0.013	-1.50	-1.80	1.00		1	0.3	0.2
HL_DS003077	HL_DS003077	HL_FDG000046	Circular	Pipe	21	0.024	-4.50	-5.00	1.00		1	0.3	0.2
HL_DS003081	HL_DS003081	HL_DS003055	Circular	Pipe	280	0.024	-1.10	-1.40	1.50		1	0.3	0.5
HL_DS003090	HL_DS003090	HL_DS003092	Circular	Pipe	30	0.013	-5.00	-5.62	1.50		1	0.3	0.6
HL_DS003092	HL_DS003092	HL_DS008164	Circular	Pipe	53	0.013	-5.62	-5.84	2.00		1	0.3	0.6
HL_DS003094	HL_DS003094	HL_DS003058	Circular	Pipe	39	0.013	-3.77	-4.00	1.25		1	0.3	0.2
HL_DS003095	HL_DS003095	HL_DS003094	Circular	Pipe	146	0.013	-3.00	-3.59	1.50		1	0.3	0.2
HL_DS003098	HL_DS003098	HL_DMH000306	Circular	Pipe	23	0.013	-4.00	-4.10	1.00		1	0.3	0.7
HL_DS003101	HL_DS003101	HL_DS003223	Circular	Pipe	107	0.013	-4.80	-4.90	1.00		1	0.3	0.7
HL_DS003102	HL_DS003102	HL_DS003147	Circular	Pipe	165	0.013	-2.30	-2.50	2.00		1	0.3	0.2
HL_DS003105	HL_DS003105	HL_CDW98916	Circular	Pipe	125	0.013	-5.84	-6.14	3.00		1	0.3	1.0
HL_DS003106	HL_DS003106	HL_DMH002061	Circular	Pipe	35	0.013	-2.60	-2.80	2.00		1	0.3	0.2
HL_DS003107	HL_DS003107	HL_DS003106	Circular	Pipe	145	0.013	-2.50	-2.60	2.00		1	0.3	0.2
HL_DS003115	HL_DS003115	HL_DS003130	Circular	Pipe	129	0.013	-3.00	-4.00	0.67		1	0.3	0.2
HL_DS003119	HL_DS003119	HL_DS007163	Circular	Pipe	134	0.013	-3.70	-4.00	1.00		1	0.3	0.2
HL_DS003121	HL_DS003121	HL_DS008895	Circular	Pipe	37	0.013	-4.50	-4.80	1.50		1	0.3	0.2
HL_DS003126	HL_DS003126	HL_DMH002062	Circular	Pipe	37	0.013	-2.00	-2.50	2.00		1	0.3	0.2
HL_DS003127	HL_DS003127	HL_DMH000311	Circular	Pipe	145	0.013	-1.50	-2.00	1.50		1	0.3	0.2
HL_DS003129	HL_DS003129	HL_CDW98914	Circular	Pipe	144	0.013	-4.45	-5.00	2.50		1	0.3	3.3
HL_DS003130	HL_DS003130	HL_DS003129	Circular	Pipe	71	0.013	-4.00	-4.35	0.67		1	0.3	0.5
HL_DS003131	HL_DS003131	HL_DS003121	Circular	Pipe	271	0.013	-4.20	-4.50	1.50		1	0.3	0.7
HL_DS003133	HL_DS003133	HL_DS003107	Circular	Pipe	40	0.013	-2.30	-2.50	1.50		1	0.3	0.2
HL_DS003137	HL_DS003137	HL_DS003145	Circular	Pipe	42	0.013	-2.50	-2.66	1.00		1	0.3	0.2
HL_DS003138	HL_DS003138	HL_DS003137	Circular	Pipe	29	0.013	-2.40	-2.50	1.00		1	0.3	0.7
HL_DS003139	HL_DS003139	HL_DS003311	Circular	Pipe	42	0.013	-1.90	-2.00	1.50		1	0.3	0.4
HL_DS003143	HL_DS003143	HL_DS003095	Circular	Pipe	37	0.013	-2.80	-3.00	1.50		1	0.3	0.2
HL_DS003144	HL_DS003144	HL_DS003143	Circular	Pipe	46	0.024	-1.50	-1.60	1.00		2	0.3	0.7
HL_DS003145	HL_DS003145	HL_DS003143	Circular	Pipe	298	0.013	-2.32	-2.80	1.00		1	0.3	0.2
HL_DS003147	HL_DS003147	HL_DS003158	Circular	Pipe	214	0.013	-2.50	-2.80	2.00		1	0.3	0.7
HL_DS003149	HL_DS003149	HL_DS003119	Circular	Pipe	37	0.013	-3.50	-3.70	1.00		1	0.3	0.2
HL_DS003151	HL_DS003151	HL_CDW98908	Circular	Pipe	148	0.013	-3.00	-3.50	2.50		1	0.3	1.0
HL_DS003155	HL_DS003155	HL_CDW98908	Circular	Pipe	166	0.013	-1.00	-2.00	1.00		1	0.3	1.0
HL_DS003156	HL_DS003156	HL_DS003155	Circular	Pipe	75	0.013	0.00	-1.00	1.00		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003157	HL_DS003157	HL_DMH002054	Circular	Pipe	348	0.013	-3.00	-3.50	2.50		1	0.3	0.2
HL_DS003158	HL_DS003158	HL_DS003157	Circular	Pipe	146	0.013	-2.80	-3.00	2.00		1	0.3	0.2
HL_DS003159	HL_DS003159	HL_FDG000059	Circular	Pipe	408	0.013	-0.50	-1.00	1.50		1	0.3	0.2
HL_DS003164	HL_DS003164	HL_DS000573	Circular	Pipe	117	0.013	-8.54	-8.68	3.50		1	0.3	0.2
HL_DS003165	HL_DS003165	HL_DS007172	Circular	Pipe	17	0.013	-8.98	-8.95	3.50		1	0.3	0.7
HL_DS003174	HL_DS003174	HL_DS003161	Circular	Pipe	87	0.024	-3.34	-3.58	4.00		1	0.3	0.7
HL_DS003219	HL_DS003219	HL_DMH000314	Circular	Pipe	38	0.013	-3.80	-4.00	1.00		1	0.3	0.7
HL_DS003223	HL_DS003223	HL_CDW98918	Circular	Pipe	138	0.011	-4.90	-5.00	1.00		1	0.3	2.8
HL_DS003260	HL_DS003260	HL_DS007152	Circular	Pipe	320	0.013	0.50	-0.40	2.50		1	0.3	0.2
HL_DS003281	HL_DS003281	HL_DS002900	Circular	Pipe	45	0.013	-1.50	-2.02	1.00		1	0.3	0.7
HL_DS003287	HL_DS003287	HL_DMH000437	Circular	Pipe	667	0.013	-7.50	-8.05	7.00		1	0.3	0.2
HL_DS003288	HL_DS003288	HL_DMH000439	Circular	Pipe	79	0.013	0.10	0.00	1.00		1	0.3	0.5
HL_DS003289	HL_DS003289	HL_DMH000442	Circular	Pipe	47	0.013	0.10	0.00	1.25		1	0.3	0.7
HL_DS003291	HL_DS003291	HL_DS007273	Circular	Pipe	94	0.013	0.00	-0.20	1.25		1	0.3	0.7
HL_DS003293	HL_DS003293	HL_DS003013	Circular	Pipe	58	0.013	-1.00	-0.99	3.00		1	0.3	0.7
HL_DS003294	HL_DS003294	HL_DMH000449	Circular	Pipe	49	0.013	-0.50	-0.68	1.50		1	0.3	0.7
HL_DS003295	HL_DS003295	HL_DS003296	Circular	Pipe	91	0.013	-0.50	-1.00	1.25		1	0.3	0.7
HL_DS003296	HL_DS003296	HL_DMH000443	Circular	Pipe	124	0.013	-1.00	-2.62	1.50		1	0.3	0.7
HL_DS003310	HL_DS003310	HL_DS003129	Circular	Pipe	64	0.013	-4.29	-4.35	2.00		1	0.3	0.4
HL_DS003311	HL_DS003311	HL_DS003102	Circular	Pipe	286	0.013	-2.00	-2.30	1.50		1	0.3	0.2
HL_DS003316	HL_DS003316	HL_DS003102	Circular	Pipe	81	0.013	-2.00	-2.30	1.50		1	0.3	0.7
HL_DS003323	HL_DS003323	HL_DS003339	Circular	Pipe	143	0.024	-3.58	-3.69	3.50		1	0.3	0.2
HL_DS003324	HL_DS003324	HL_DS001636	Circular	Pipe	64	0.013	-1.70	-1.80	2.00		1	0.3	0.2
HL_DS003325	HL_DS003325	HL_DS003327	Circular	Pipe	147	0.013	-1.50	-2.00	1.50		1	0.3	0.2
HL_DS003327	HL_DS003327	HL_DS003335	Circular	Pipe	543	0.013	-2.00	-2.80	2.00		1	0.3	0.4
HL_DS003329	HL_DS003329	HL_DS003174	Circular	Pipe	232	0.024	-3.84	-3.56	4.00		1	0.3	0.2
HL_DS003330	HL_DS003330	HL_DS003329	Circular	Pipe	277	0.024	-4.12	-3.69	4.00		1	0.3	0.2
HL_DS003331	HL_DS003331	HL_DS003334	Circular	Pipe	43	0.024	-3.58	-3.58	3.50		1	0.3	0.7
HL_DS003332	HL_DS003332	HL_DS003334	Circular	Pipe	31	0.013	-3.50	-3.58	1.50		1	0.3	0.7
HL_DS003340	HL_DS003340	HL_DS003331	Circular	Pipe	36	0.024	-3.58	-2.38	3.50		1	0.3	0.2
HL_DS003669_2	HL_DS003670	HL_DS003669	Circular	Pipe	126	0.024	-2.58	-2.58	3.00		1	0.3	0.7
HL_DS003670_2	HL_DS003667	HL_DS003670	Circular	Pipe	75	0.011	-2.58	-2.58	3.00		1	0.3	0.2
HL_DS003671	HL_DS003671	HL_DS005562	Circular	Pipe	421	0.013	-0.50	-1.50	1.25		1	0.3	0.2
HL_DS003672	HL_DS003672	HL_DS003772	Circular	Pipe	76	0.013	-4.03	-4.18	2.00		1	0.3	0.2
HL_DS003673	HL_DS003673	HL_DS003754	Circular	Pipe	271	0.013	-3.50	-3.80	1.50		1	0.3	0.2
HL_DS003677	HL_DS003677	HL_DMH000201	Circular	Pipe	12	0.013	-3.00	-3.20	1.25		1	0.3	0.7
HL_DS003681	HL_DS003681	HL_DS005580	Circular	Pipe	44	0.013	-1.00	-1.10	1.00		1	0.3	0.2
HL_DS003683	HL_DS003683	HL_DS003684	Circular	Pipe	161	0.013	-1.20	-1.35	1.00		1	0.3	0.7
HL_DS003684	HL_DS003684	HL_DS003838	Circular	Pipe	170	0.013	-1.31	-2.00	1.25		1	0.3	0.7
HL_DS003692	HL_DS003692	HL_DS009034	Circular	Pipe	41	0.024	-2.30	-2.50	1.00		1	0.3	0.5
HL_DS003695	HL_DS003695	HL_DS009035	Circular	Pipe	30	0.024	-3.90	-4.00	2.00		1	0.3	0.2
HL_DS003698	HL_DS003698	HL_DMH000233	Circular	Pipe	33	0.013	0.00	-0.50	0.67		1	0.3	0.7
HL_DS003700	HL_DS003700	HL_DS006023	Circular	Pipe	46	0.013	-2.80	-2.90	1.00		1	0.3	0.2
HL_DS003702	HL_DS003702	HL_DS003700	Circular	Pipe	40	0.024	-2.00	-2.50	1.00		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003705_1	HL_DS003705	HL_DMH000236	Circular	Pipe	132	0.013	-2.33	-2.50	1.25		1	0.3	0.2
HL_DS003705_2	HL_DS003705	HL_DS003711	Circular	Pipe	40	0.013	-2.33	-2.33	2.00		1	0.3	0.2
HL_DS003707	HL_DS003707	HL_DMH000236	Circular	Pipe	51	0.013	-2.00	-2.50	1.00		1	0.3	0.7
HL_DS003710	HL_DS003710	HL_DMH000242	Circular	Pipe	12	0.013	-2.00	-2.50	1.00		1	0.3	0.7
HL_DS003711	HL_DS003711	HL_DMH000242	Circular	Pipe	152	0.013	-2.33	-2.50	2.00		1	0.3	0.2
HL_DS003713	HL_DS003713	HL_DS003711	Circular	Pipe	40	0.013	-2.00	-2.30	1.00		2	0.3	0.7
HL_DS003724	HL_DS003724	HL_DMH000841	Circular	Pipe	20	0.013	-2.81	-4.47	3.00		1	0.3	0.7
HL_DS003725	HL_DS003725	HL_DS003724	Circular	Pipe	28	0.011	-4.50	-4.80	1.25		1	0.3	0.7
HL_DS003730	HL_DS003730	HL_DMH000259	Circular	Pipe	19	0.011	-2.00	-2.50	1.25		2	0.3	0.7
HL_DS003734	HL_DS003734	HL_DS003728	Circular	Pipe	33	0.011	-4.30	-4.50	1.25		1	0.3	0.7
HL_DS003738	HL_DS003738	HL_DMH001425	Circular	Pipe	20	0.024	-4.66	-4.79	2.00		1	0.3	0.2
HL_DS003739	HL_DS003739	HL_DS003738	Circular	Pipe	51	0.024	-4.50	-4.66	2.00		1	0.3	0.2
HL_DS003749	HL_DS003749	HL_DMH000259	Circular	Pipe	10	0.011	-2.00	-2.50	1.25		3	0.3	0.7
HL_DS003751	HL_DS003751	HL_DS003672	Circular	Pipe	28	0.024	-4.00	-4.30	1.25		1	0.3	0.7
HL_DS003754	HL_DS003754	HL_DS003760	Circular	Pipe	48	0.013	-3.80	-4.00	2.00		1	0.3	0.2
HL_DS003756	HL_DS003756	HL_DS003757	Circular	Pipe	63	0.013	-4.70	-4.90	2.00		1	0.3	0.2
HL_DS003760	HL_DS003760	HL_DMH000264	Circular	Pipe	230	0.013	-4.00	-4.40	2.00		1	0.3	0.7
HL_DS003762	HL_DS003762	HL_DMH001456	Circular	Pipe	45	0.013	-3.48	-4.00	1.50		1	0.3	0.7
HL_DS003765	HL_DS003765	HL_DS003756	Circular	Pipe	54	0.013	-4.50	-4.70	2.00		1	0.3	0.5
HL_DS003767	HL_DS003767	HL_DS003018	Circular	Pipe	110	0.024	-4.40	-4.00	1.75		1	0.3	0.2
HL_DS003769	HL_DS003769	HL_DS009538	Circular	Pipe	130	0.024	-4.60	-4.30	1.75		1	0.3	0.2
HL_DS003770	HL_DS003770	HL_DS003767	Circular	Pipe	32	0.024	-4.50	-4.40	1.50		1	0.3	0.7
HL_DS003771	HL_DS003771	HL_DS003769	Circular	Pipe	27	0.024	-4.70	-4.60	1.50		1	0.3	0.2
HL_DS003773	HL_DS003773	HL_DS003772	Circular	Pipe	37	0.013	-4.00	-4.10	1.50		1	0.3	0.5
HL_DS003785	HL_DS003785	HL_DMH002060	Circular	Pipe	20	0.024	-3.90	-4.00	1.00		1	0.3	0.7
HL_DS003786	HL_DS003786	HL_DS003785	Circular	Pipe	134	0.024	-3.80	-3.90	2.00		1	0.3	0.2
HL_DS003789	HL_DS003789	HL_DMH000282	Circular	Pipe	149	0.024	-3.50	-3.70	1.25		1	0.3	0.7
HL_DS003793	HL_DS003793	HL_DS003789	Circular	Pipe	202	0.024	-3.00	-3.50	1.25		1	0.3	0.2
HL_DS003806	HL_DS003806	HL_DS002457	Circular	Pipe	355	0.024	-4.00	-5.00	1.75		1	0.3	0.2
HL_DS003807_1	HL_DS003807	HL_DMH001463	Circular	Pipe	136	0.013	-6.58	-6.58	4.00		1	0.3	0.2
HL_DS003807_2	HL_DS003807	HL_DS003808	Circular	Pipe	25	0.024	-6.50	-7.00	1.00		1	0.3	0.7
HL_DS003816	HL_DS003816	HL_DS008893	Circular	Pipe	46	0.013	-6.58	-6.70	4.00		1	0.3	0.7
HL_DS003827_1	HL_DS003827	HL_DMH001456	Circular	Pipe	47	0.024	-3.48	-3.68	2.00		1	0.3	0.7
HL_DS003827_2	HL_DS003827	HL_DMH000297	Circular	Pipe	258	0.024	-3.40	-4.00	2.50		1	0.3	0.2
HL_DS003830	HL_DS003830	HL_DMH000297	Circular	Pipe	26	0.024	-3.00	-4.00	1.25		1	0.3	0.7
HL_DS003836	HL_DS003836	HL_DMH002060	Circular	Pipe	23	0.024	-3.90	-4.00	1.00		1	0.3	0.6
HL_DS003838	HL_DS003838	HL_PS000002	Circular	Pipe	773	0.024	-5.00	-6.80	3.00		1	0.3	1.0
HL_DS003839	HL_DS003839	HL_DS003838	Circular	Pipe	25	0.024	-2.00	-2.50	1.25		1	0.3	0.2
HL_DS003840	HL_DS003840	HL_DS003149	Circular	Pipe	301	0.013	-3.00	-3.50	1.25		1	0.3	0.2
HL_DS003860_1	HL_DS003860	HL_DS004501	Circular	Pipe	31	0.011	-3.00	-3.50	1.50		1	0.3	0.7
HL_DS003860_2	HL_DS003860	HL_DS003840	Circular	Pipe	36	0.011	-3.00	-3.00	1.25		1	0.3	0.2
HL_DS003893	HL_DS003893	HL_DS005479	Circular	Pipe	28	0.011	-1.60	-1.70	1.50		1	0.3	0.7
HL_DS003894_1	HL_DS003894	HL_DS002811	Circular	Pipe	251	0.011	-2.58	-2.65	3.00		1	0.3	0.2
HL_DS003894_2	HL_DS003894	HL_DS003895	Circular	Pipe	249	0.024	-2.58	-2.58	3.00		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003895	HL_DS003895	HL_DS003667	Circular	Pipe	34	0.024	-2.58	-2.58	3.00		1	0.3	0.7
HL_DS003896	HL_DS003896	HL_DO000408	Circular	Pipe	28	0.024	-2.58	-2.58	3.00		1	0.3	1.0
HL_DS003897	HL_DS005944	HL_DS003897	Circular	Pipe	58	0.024	-2.58	-2.58	3.00		1	0.3	0.2
HL_DS003898_1	HL_DS003897	HL_DS003898	Circular	Pipe	164	0.024	-2.58	-2.58	3.00		1	0.3	0.6
HL_DS003898_2	HL_DS003898	HL_DO000409	Circular	Pipe	61	0.024	-2.58	-2.58	3.00		1	0.3	1.0
HL_DS003899	HL_DS003899	HL_DS006476	Circular	Pipe	94	0.013	-2.20	-2.30	1.50		1	0.3	0.7
HL_DS003900	HL_DS003900	HL_DS003899	Circular	Pipe	92	0.013	-2.10	-2.20	1.50		1	0.3	0.2
HL_DS003901	HL_DS003901	HL_DS003900	Circular	Pipe	96	0.013	-2.00	-2.10	1.50		1	0.3	0.7
HL_DS003902	HL_DS003902	HL_DS005960	Circular	Pipe	152	0.013	0.50	0.11	1.00		1	0.3	0.2
HL_DS003969	HL_DS003969	HL_DMH000523	Circular	Pipe	10	0.013	1.30	1.20	1.50		1	0.3	0.7
HL_DS003984	HL_DS003984	HL_DMH001567	Circular	Pipe	14	0.011	-1.90	-2.00	0.67		1	0.3	0.6
HL_DS003985	HL_DS003985	HL_DS009033	Circular	Pipe	43	0.024	-2.00	-2.50	1.00		1	0.3	0.5
HL_DS004334	HL_DS004334	HL_DS008318	Circular	Pipe	58	0.013	-1.90	-2.00	1.00		1	0.3	0.5
HL_DS004335	HL_DS004335	HL_DS002904	Circular	Pipe	272	0.011	0.00	-0.12	2.00		1	0.3	0.2
HL_DS004336	HL_DS004336	HL_DS004335	Circular	Pipe	83	0.011	-0.26	0.00	2.00		1	0.3	0.2
HL_DS004337	HL_DS004337	HL_DS004336	Circular	Pipe	102	0.024	0.00	-0.26	1.50		1	0.3	0.2
HL_DS004341	HL_DS004341	HL_DS004337	Circular	Pipe	40	0.024	0.20	0.00	1.00		1	0.3	0.2
HL_DS004343	HL_DS004343	HL_DS008465	Circular	Pipe	43	0.024	-2.00	-2.10	1.50		1	0.3	0.2
HL_DS004344	HL_DS004344	HL_DMH000239	Circular	Pipe	19	0.013	1.73	1.43	2.00		1	0.3	0.7
HL_DS004365	HL_DS004365	HL_DS002449	Circular	Pipe	474	0.024	-5.44	-6.00	2.00		1	0.3	0.2
HL_DS004372	HL_DS004372	HL_DS004365	Circular	Pipe	42	0.024	-5.00	-5.44	1.75		1	0.3	0.7
HL_DS004373	HL_DS004373	HL_DS004372	Circular	Pipe	161	0.013	-4.05	-5.00	1.50		1	0.3	0.7
HL_DS004375	HL_DS004375	HL_DS004373	Circular	Pipe	32	0.013	-3.80	-4.00	1.50		1	0.3	0.2
HL_DS004384	HL_DS004384	HL_DS004389	Circular	Pipe	39	0.013	-3.50	-3.70	1.25		2	0.3	0.7
HL_DS004385	HL_DS004385	HL_DS004390	Circular	Pipe	36	0.013	-3.80	-3.90	1.25		2	0.3	0.2
HL_DS004387	HL_DS004387	HL_DMH000846	Circular	Pipe	21	0.013	-4.30	-4.40	1.50		1	0.3	0.7
HL_DS004389	HL_DS004389	HL_DS004390	Circular	Pipe	34	0.013	-3.70	-3.90	1.50		1	0.3	0.7
HL_DS004390	HL_DS004390	HL_DS007519	Circular	Pipe	18	0.024	-3.90	-4.00	1.50		1	0.3	0.2
HL_DS004396_1	HL_DS004396	HL_DMH000262	Circular	Pipe	44	0.013	-4.88	-4.50	1.50		1	0.3	0.7
HL_DS004396_2	HL_DS004396	HL_DS005771	Circular	Pipe	268	0.013	-4.88	-4.88	2.00		1	0.3	0.2
HL_DS004397	HL_DS004397	HL_DS000443	Circular	Pipe	51	0.013	-3.11	-2.96	2.50		1	0.3	0.7
HL_DS004398	HL_DS004398	HL_DS005776	Circular	Pipe	79	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS004401	HL_DS004401	HL_DMH000263	Circular	Pipe	24	0.013	1.70	1.50	1.25		1	0.3	0.7
HL_DS004411	HL_DS004411	HL_DS004416	Circular	Pipe	71	0.024	-3.00	-3.50	1.25		1	0.3	0.2
HL_DS004416	HL_DS004416	HL_DS004375	Circular	Pipe	257	0.024	-3.50	-3.80	1.50		1	0.3	0.7
HL_DS004428	HL_DS004428	HL_CSL98052	Circular	Pipe	49	0.013	-5.03	-6.00	1.50		1	0.3	2.8
HL_DS004460	HL_DS004460	HL_DS007765	Circular	Pipe	151	0.011	-1.30	-1.60	1.50		1	0.3	0.2
HL_DS004473	HL_DS004473	HL_CICW98050	Circular	Pipe	50	0.013	-1.00	-2.00	0.67		1	0.3	2.8
HL_DS004501	HL_DS004501	HL_DS007775	Circular	Pipe	147	0.011	-3.50	-4.00	1.50		1	0.3	0.2
HL_DS004658	HL_DS004658	RP_DMH000429	Circular	Pipe	89	0.013	1.00	0.60	1.50		1	0.3	0.7
HL_DS004668	HL_DS004668	HL_DMH000563	Circular	Pipe	48	0.013	-3.50	-4.00	1.50		1	0.3	0.7
HL_DS004671	HL_DS004671	HL_DMH000453	Circular	Pipe	10	0.013	1.10	1.00	2.50		1	0.3	0.7
HL_DS004750	HL_DS004750	HL_DS004763	Circular	Pipe	177	0.013	-2.17	-3.72	3.00		1	0.3	0.2
HL_DS004751	HL_DS004751	HL_DS004753	Circular	Pipe	50	0.024	-1.80	-2.00	2.00		1	0.3	0.5

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS004753	HL_DS004753	HL_DS006370	Circular	Pipe	55	0.024	-2.00	-2.50	2.00		1	0.3	0.7
HL_DS004761	HL_DS004761	HL_DO000845	Circular	Pipe	51	0.013	-4.28	-6.08	3.50		1	0.3	1.0
HL_DS004762	HL_DS004762	HL_DS004761	Circular	Pipe	62	0.013	-4.24	-4.15	3.50		1	0.3	0.5
HL_DS004763	HL_DS004763	HL_DS007086	Circular	Pipe	100	0.013	-6.14	-5.64	3.00		1	0.3	0.2
HL_DS004764_1	HL_DS004764	HL_DS009532	Circular	Pipe	32	0.013	-4.88	-4.88	2.00		1	0.3	0.4
HL_DS004764_2	HL_DS004764	HL_DM000563	Circular	Pipe	41	0.013	-4.88	-4.00	2.00		1	0.3	0.7
HL_DS004912	HL_DS004912	HL_DM000107	Circular	Pipe	40	0.024	-2.50	-3.00	1.25		1	0.3	0.2
HL_DS004914	HL_DS004914	HL_DS005454	Circular	Pipe	67	0.024	-1.80	-2.00	1.25		1	0.3	0.2
HL_DS005094	HL_DS005094	HL_DS005184	Circular	Pipe	110	0.013	-1.10	-1.20	1.25		1	0.3	0.2
HL_DS005096	HL_DS005096	HL_DS005094	Circular	Pipe	270	0.013	-1.00	-1.10	1.25		1	0.3	0.2
HL_DS005108	HL_DS005108	RP_DM001890	Circular	Pipe	92	0.013	1.50	1.00	1.50		1	0.3	0.6
HL_DS005124	HL_DS005124	RP_DM000200	Circular	Pipe	55	0.013	1.00	0.50	1.25		1	0.3	0.7
HL_DS005127	HL_DS005127	HL_DS005128	Circular	Pipe	175	0.013	-1.00	-1.20	1.00		1	0.3	0.2
HL_DS005129_2	HL_DS005129	HL_DS002863	Circular	Pipe	170	0.013	-1.40	-1.50	1.25		1	0.3	0.2
HL_DS005129_3	HL_DS005128	HL_DS005129	Circular	Pipe	202	0.013	-1.20	-1.40	1.25		1	0.3	0.7
HL_DS005131	HL_DS005131	RP_DM000464	Circular	Pipe	75	0.013	1.50	1.00	1.25		2	0.3	0.7
HL_DS005138	HL_DS005138	HL_DS006372	Circular	Pipe	141	0.013	-1.10	-1.20	1.00		1	0.3	0.2
HL_DS005141	HL_DS005141	HL_DS005129	Circular	Pipe	51	0.013	-1.30	-1.40	1.00		1	0.3	0.2
HL_DS005144	HL_DS005144	HL_DS005138	Circular	Pipe	53	0.013	-1.00	-1.10	1.00		1	0.3	0.2
HL_DS005151	HL_DS005151	HL_DS005819	Circular	Pipe	140	0.013	-1.00	-2.20	1.50		1	0.3	0.5
HL_DS005164	HL_DS005164	RP_DS005207	Circular	Pipe	62	0.013	1.50	1.00	1.25		1	0.3	0.7
HL_DS005182	HL_DS005182	HL_DS005183	Circular	Pipe	86	0.013	0.00	-1.00	1.50		4	0.3	0.2
HL_DS005183	HL_DS005183	HL_DS007268	Circular	Pipe	24	0.013	-1.00	-2.00	1.50		4	0.3	0.2
HL_DS005184	HL_DS005184	HL_DM000108	Circular	Pipe	116	0.024	-1.20	-1.50	1.25		1	0.3	0.7
HL_DS005454	HL_DS005454	HL_DS005453	Circular	Pipe	80	0.024	-2.00	-2.50	1.25		1	0.3	0.5
HL_DS005455	HL_DS005455	HL_DS006483	Circular	Pipe	123	0.024	-2.40	-2.50	2.00		1	0.3	0.2
HL_DS005467	HL_DS005467	HL_DS005947	Circular	Pipe	240	0.024	-1.90	-2.00	1.50		1	0.3	0.2
HL_DS005479	HL_DS005479	HL_DS005504	Circular	Pipe	96	0.011	-1.70	-1.80	1.50		1	0.3	0.5
HL_DS005490	HL_DS005490	HL_DS008013	Circular	Pipe	579	0.024	-2.00	-2.30	1.50		1	0.3	0.7
HL_DS005503	HL_DS005503	HL_DS002817	Circular	Pipe	110	0.011	-2.30	-2.40	1.50		1	0.3	0.7
HL_DS005504	HL_DS005504	HL_DS005925	Circular	Pipe	40	0.011	-1.80	-1.90	1.50		1	0.3	0.5
HL_DS005505	HL_DS005505	HL_DS005540	Circular	Pipe	317	0.024	0.00	-1.00	1.50		1	0.3	0.2
HL_DS005510_1	HL_DS005517	HL_DS005510	Circular	Pipe	122	0.024	-1.70	-1.80	1.50		1	0.3	0.2
HL_DS005510_2	HL_DS005510	HL_FDG000167	Circular	Pipe	43	0.011	-1.80	-1.90	1.50		1	0.3	0.7
HL_DS005512	HL_DS005512	HL_DS008161	Circular	Pipe	32	0.024	-2.20	-2.30	1.50		1	0.3	0.2
HL_DS005513	HL_DS005513	HL_DS005512	Circular	Pipe	68	0.024	-2.10	-2.20	1.50		1	0.3	0.6
HL_DS005530	HL_DS005530	HL_DS009500	Circular	Pipe	130	0.024	-2.40	-2.50	1.50		1	0.3	0.5
HL_DS005531	HL_DS005531	HL_DS005945	Circular	Pipe	106	0.024	-2.00	-2.10	1.50		1	0.3	0.2
HL_DS005538	HL_DS005538	HL_DS005517	Circular	Pipe	57	0.024	-1.60	-1.70	1.50		1	0.3	0.7
HL_DS005540	HL_DS005540	HL_DS005538	Circular	Pipe	311	0.024	-1.00	-1.60	1.50		1	0.3	0.2
HL_DS005543	HL_DS005543	HL_DS005944	Circular	Pipe	41	0.011	-2.40	-2.50	1.50		1	0.3	0.7
HL_DS005553	HL_DS005553	HL_DS003671	Circular	Pipe	126	0.013	0.00	-0.50	1.25		1	0.3	0.2
HL_DS005555	HL_DS005555	HL_DS005467	Circular	Pipe	126	0.024	-1.80	-1.90	1.50		1	0.3	0.2
HL_DS005556_1	HL_DS005950	HL_DS005556	Circular	Pipe	163	0.024	-1.50	-2.00	1.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS005556_2	HL_DS005556	HL_DMH000836	Circular	Pipe	36	0.013	-2.00	-2.20	2.00		1	0.3	0.7
HL_DS005557	HL_DS005557	HL_DS005555	Circular	Pipe	133	0.024	-1.70	-1.80	1.50		1	0.3	0.2
HL_DS005558	HL_DS005558	HL_DS005559	Circular	Pipe	58	0.011	-1.50	-1.60	1.50		1	0.3	0.2
HL_DS005559	HL_DS005559	HL_DS005557	Circular	Pipe	48	0.024	-1.60	-1.70	1.50		1	0.3	0.2
HL_DS005560	HL_DS005560	HL_DS005558	Circular	Pipe	104	0.024	-1.40	-1.50	1.50		1	0.3	0.2
HL_DS005562	HL_DS005562	HL_DS005677	Circular	Pipe	271	0.013	-1.50	-1.80	1.50		1	0.3	0.2
HL_DS005569	HL_DS005569	HL_DS005763	Circular	Pipe	258	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005571	HL_DS005571	HL_DS007754	Circular	Pipe	86	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005579	HL_DS005579	HL_DS005562	Circular	Pipe	113	0.013	-1.20	-1.50	1.25		1	0.3	0.7
HL_DS005580	HL_DS005580	HL_DS005579	Circular	Pipe	24	0.024	-1.10	-1.20	1.00		1	0.3	0.7
HL_DS005615	HL_DS005615	HL_DMH001862	Circular	Pipe	19	0.013	-3.00	-3.50	1.50		1	0.3	0.5
HL_DS005635	HL_DS005635	HL_AGE999108	Circular	Pipe	109	0.013	-2.82	-2.90	2.00		1	0.3	0.2
HL_DS005643	HL_DS005643	HL_DS005644	Circular	Pipe	186	0.013	-1.80	-2.00	2.50		1	0.3	0.2
HL_DS005644	HL_DS005644	HL_DS008083	Circular	Pipe	108	0.013	-2.00	-2.48	3.00		1	0.3	0.2
HL_DS005645	HL_DS005645	HL_DS005643	Circular	Pipe	84	0.013	-1.57	-1.80	2.50		1	0.3	0.2
HL_DS005646	HL_DS005646	HL_DS005645	Circular	Pipe	236	0.013	-1.42	-1.55	2.50		1	0.3	0.2
HL_DS005647	HL_DS005647	HL_DS005646	Circular	Pipe	31	0.013	-1.40	-1.42	2.25		1	0.3	0.7
HL_DS005648	HL_DS005648	HL_DS005647	Circular	Pipe	107	0.013	-1.30	-1.40	1.75		1	0.3	0.2
HL_DS005651	HL_DS005651	HL_DS005635	Circular	Pipe	59	0.013	-2.00	-2.50	1.00		1	0.3	0.5
HL_DS005666	HL_DS005666	HL_DMH000221	Circular	Pipe	39	0.013	-1.50	-2.00	1.00		1	0.3	0.7
HL_DS005669	HL_DS005669	RP_DMH000566	Circular	Pipe	64	0.013	2.00	1.50	1.25		1	0.3	0.7
HL_DS005673	HL_DS005673	HL_DS006024	Circular	Pipe	42	0.013	-2.00	-2.50	1.00		1	0.3	0.7
HL_DS005674	HL_DS005674	HL_DMH000345	Circular	Pipe	214	0.013	0.82	0.69	2.50		1	0.3	0.8
HL_DS005677	HL_DS005677	HL_DS002448	Circular	Pipe	52	0.013	-1.80	-1.90	1.50		1	0.3	0.2
HL_DS005686	HL_DS005686	HL_DO000539	Circular	Pipe	116	0.024	-1.00	-2.00	1.25		1	0.3	1.0
HL_DS005697	HL_DS005697	HL_DMH000840	Circular	Pipe	122	0.024	-0.50	-1.00	1.00		1	0.3	0.7
HL_DS005701	HL_DS005701	HL_DMH000233	Circular	Pipe	30	0.024	0.00	-0.50	0.83		1	0.3	0.7
HL_DS005703	HL_DS005703	HL_DS005712	Circular	Pipe	162	0.013	-1.50	-1.60	1.25		1	0.3	0.7
HL_DS005704	HL_DS005704	HL_DO000539	Circular	Pipe	115	0.024	-1.00	-2.00	1.25		1	0.3	1.0
HL_DS005706	HL_DS005706	HL_FDG000161	Circular	Pipe	73	0.013	-1.70	-1.80	1.25		1	0.3	0.2
HL_DS005710	HL_DS005710	HL_DS006024	Circular	Pipe	228	0.013	-2.20	-2.50	1.50		1	0.3	0.2
HL_DS005712	HL_DS005712	HL_DS005706	Circular	Pipe	43	0.013	-1.60	-1.70	1.25		1	0.3	0.7
HL_DS005713	HL_DS005713	HL_DS005710	Circular	Pipe	171	0.013	-1.90	-2.20	1.50		1	0.3	0.2
HL_DS005715	HL_DS005715	HL_DS005733	Circular	Pipe	40	0.013	-2.83	-2.83	2.00		1	0.3	0.2
HL_DS005718	HL_DS005718	HL_DS005715	Circular	Pipe	43	0.013	-2.50	-2.80	1.00		3	0.3	0.7
HL_DS005720	HL_DS005720	HL_DS002885	Circular	Pipe	64	0.011	-2.32	-2.06	2.50		1	0.3	0.5
HL_DS005723	HL_DS005723	HL_DS005710	Circular	Pipe	111	0.013	-2.00	-2.20	1.00		1	0.3	0.4
HL_DS005726	HL_DS005726	HL_DMH000235	Circular	Pipe	50	0.024	-2.00	-2.30	1.00		1	0.3	0.7
HL_DS005733	HL_DS005733	HL_DS002930	Circular	Pipe	143	0.024	-2.83	-3.18	2.25		1	0.3	0.2
HL_DS005738	HL_DS005738	HL_DS009044	Circular	Pipe	109	0.024	-2.20	-2.60	1.50		1	0.3	0.2
HL_DS005745	HL_DS005745	HL_DMH000842	Circular	Pipe	22	0.013	-4.00	-4.43	0.67		1	0.3	0.7
HL_DS005757	HL_DS005757	HL_DS005745	Circular	Pipe	49	0.024	-3.80	-4.00	1.00		1	0.3	0.7
HL_DS005759	HL_DS005759	HL_DS007755	Circular	Pipe	123	0.013	-4.77	-4.78	2.00		1	0.3	0.2
HL_DS005761	HL_DS005761	HL_DS005762	Circular	Pipe	194	0.013	-5.00	-4.78	2.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS005762	HL_DS005762	HL_DS005764	Circular	Pipe	32	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005763	HL_DS005763	HL_DS007752	Circular	Pipe	55	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005764	HL_DS005764	HL_DS005777	Circular	Pipe	295	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005768	HL_DS005768	HL_DMH002050	Circular	Pipe	85	0.013	-3.83	-4.88	2.00		1	0.3	0.7
HL_DS005770	HL_DS005770	HL_DMH000267	Circular	Pipe	44	0.013	-4.78	-4.78	2.00		1	0.3	0.7
HL_DS005771	HL_DS005771	HL_DS005768	Circular	Pipe	46	0.013	-4.88	-4.88	2.00		1	0.3	0.2
HL_DS005772	HL_DS005772	HL_DMH000850	Circular	Pipe	20	0.011	-3.17	-3.30	1.50		1	0.3	0.7
HL_DS005773	HL_DS005773	HL_DS005780	Circular	Pipe	113	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005774	HL_DS005774	HL_DS005778	Circular	Pipe	140	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005776	HL_DS005776	HL_DS007746	Circular	Pipe	248	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005777	HL_DS005777	HL_DMH002050	Circular	Pipe	48	0.013	-3.83	-4.88	2.00		1	0.3	0.7
HL_DS005778	HL_DS005778	HL_DS007762	Circular	Pipe	141	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005780	HL_DS005780	HL_DS007763	Circular	Pipe	285	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005782	HL_DS005782	HL_DS007760	Circular	Pipe	139	0.013	-4.78	-4.78	2.00		1	0.3	0.5
HL_DS005787	HL_DS005787	HL_DS007761	Circular	Pipe	136	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005791	HL_DS005791	HL_DS005782	Circular	Pipe	248	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005793	HL_DS005793	HL_DS005787	Circular	Pipe	220	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005794	HL_DS005794	HL_DS005791	Circular	Pipe	237	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005796	HL_DS005796	HL_DMH002059	Circular	Pipe	75	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005798	HL_DS005798	HL_DS007759	Circular	Pipe	65	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005799	HL_DS005799	HL_DS005798	Circular	Pipe	69	0.013	-4.78	-3.78	2.00		1	0.3	0.2
HL_DS005800	HL_DS005800	HL_DS007756	Circular	Pipe	69	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005801	HL_DS005801	HL_DS007758	Circular	Pipe	24	0.013	-3.27	-4.78	2.00		1	0.3	0.2
HL_DS005802	HL_DS005802	HL_DS005801	Circular	Pipe	174	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005805	HL_DS005805	HL_DS005800	Circular	Pipe	100	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005806	HL_DS005806	HL_DS005805	Circular	Pipe	283	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005808	HL_DS005808	HL_DS005802	Circular	Pipe	124	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005809	HL_DS005809	HL_DMH000277	Circular	Pipe	46	0.013	-2.00	-2.50	1.50		1	0.3	0.7
HL_DS005810	HL_DS005810	HL_DS007753	Circular	Pipe	116	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005812	HL_DS005812	HL_DMH001447	Circular	Pipe	50	0.013	-5.00	-5.75	1.50		1	0.3	0.2
HL_DS005815	HL_DS005815	HL_DS005808	Circular	Pipe	305	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005816	HL_DS005816	HL_DS005810	Circular	Pipe	172	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS005817	HL_DS005817	HL_DS007146	Circular	Pipe	50	0.013	-2.30	-2.80	1.50		1	0.3	0.2
HL_DS005819	HL_DS005819	HL_DS005817	Circular	Pipe	51	0.013	-2.20	-2.30	1.50		1	0.3	0.7
HL_DS005838	HL_DS005838	HL_DS004460	Circular	Pipe	39	0.011	-1.10	-1.30	1.50		1	0.3	0.7
HL_DS005923	HL_DS005923	HL_DS005503	Circular	Pipe	32	0.011	-2.20	-2.30	1.50		1	0.3	0.5
HL_DS005924	HL_DS005924	HL_DS005923	Circular	Pipe	123	0.011	-2.10	-2.20	1.50		1	0.3	0.6
HL_DS005925	HL_DS005925	HL_DS005926	Circular	Pipe	92	0.024	-1.90	-2.00	1.50		1	0.3	0.2
HL_DS005926	HL_DS005926	HL_DS005924	Circular	Pipe	52	0.024	-2.00	-2.10	1.50		1	0.3	0.2
HL_DS005927	HL_DS005927	HL_DMH000277	Circular	Pipe	43	0.013	-2.00	-2.50	1.50		1	0.3	0.7
HL_DS005940_2	HL_DS005940	HL_DMH000404	Circular	Pipe	26	0.013	-3.00	-3.10	2.50		1	0.3	0.5
HL_DS005941	HL_DS005941	HL_DMH000404	Circular	Pipe	29	0.013	-2.50	-3.00	1.50		1	0.3	0.5
HL_DS005942	HL_DS005942	HL_DMH000405	Circular	Pipe	20	0.013	-3.00	-3.40	1.50		1	0.3	0.7
HL_DS005943	HL_DS005943	HL_DMH000562	Circular	Pipe	23	0.013	-3.00	-3.20	1.50		1	0.3	0.5

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS005944	HL_DS005944	HL_DS003896	Circular	Pipe	200	0.024	-2.58	-2.58	3.00		1	0.3	0.7
HL_DS005945	HL_DS005945	HL_DS006463	Circular	Pipe	160	0.011	-2.10	-2.20	1.50		1	0.3	0.2
HL_DS005947	HL_DS005947	HL_DS005513	Circular	Pipe	168	0.011	-2.00	-2.10	1.50		1	0.3	0.2
HL_DS005950	HL_DS005950	HL_DS005951	Circular	Pipe	126	0.024	-1.50	-1.60	0.83		1	0.3	0.2
HL_DS005951	HL_DS005951	HL_DS005557	Circular	Pipe	44	0.024	-1.60	-1.70	1.00		1	0.3	0.7
HL_DS005953	HL_DS005953	HL_DS003898	Circular	Pipe	56	0.024	-2.00	-2.58	1.50		1	0.3	0.6
HL_DS005960	HL_DS005960	HL_DO000423	Circular	Pipe	26	0.013	-1.50	-2.00	1.00		1	0.3	0.2
HL_DS005962	HL_DS005962	HL_DO000428	Circular	Pipe	38	0.024	-1.50	-2.00	1.00		1	0.3	0.2
HL_DS005964	HL_DS005964	HL_DS005455	Circular	Pipe	219	0.024	-2.30	-2.40	2.00		1	0.3	0.2
HL_DS005969	HL_DS005969	RP_DMH000335	Circular	Pipe	66	0.013	1.00	0.50	1.25		1	0.3	0.7
HL_DS005971	HL_DS005971	RP_DMH000422	Circular	Pipe	81	0.013	1.00	0.70	1.50		1	0.3	0.7
HL_DS005997	HL_DS005997	RP_DMH000458	Circular	Pipe	64	0.013	1.00	0.50	1.25		1	0.3	0.7
HL_DS006022	HL_DS006022	HL_DO000539	Circular	Pipe	71	0.024	-1.00	-2.00	1.25		1	0.3	1.0
HL_DS006023	HL_DS006023	HL_CWL98110	Circular	Pipe	36	0.024	-2.90	-3.00	1.25		1	0.3	0.2
HL_DS006024	HL_DS006024	HL_DS005635	Circular	Pipe	367	0.013	-2.50	-2.80	1.50		1	0.3	0.2
HL_DS006033	HL_DS006033	HL_DO000539	Circular	Pipe	75	0.024	-1.00	-2.00	1.25		1	0.3	1.0
HL_DS006037	HL_DS006037	HL_DMH000562	Circular	Pipe	16	0.013	-3.00	-3.20	1.50		1	0.3	0.5
HL_DS006038	HL_DS006038	HL_DMH000405	Circular	Pipe	10	0.013	-3.00	-3.40	1.50		1	0.3	0.7
HL_DS006041	HL_DS006041	HL_DS004396	Circular	Pipe	68	0.013	-4.88	-4.88	2.00		1	0.3	0.2
HL_DS006168	HL_DS006168	HL_DMH001889	Circular	Pipe	14	0.013	-5.59	-5.51	3.50		1	0.3	0.5
HL_DS006305	HL_DS006305	HL_DS006456	Circular	Pipe	250	0.011	-1.10	-1.20	1.50		1	0.3	0.2
HL_DS006306	HL_DS006306	HL_DS006305	Circular	Pipe	139	0.011	-1.00	-1.10	1.50		1	0.3	0.2
HL_DS006314	HL_DS006314	RP_DMH000169	Circular	Pipe	81	0.013	2.00	1.00	1.25		1	0.3	0.7
HL_DS006318	HL_DS006318	HL_DS002814	Circular	Pipe	89	0.024	-1.40	-1.50	1.50		1	0.3	0.2
HL_DS006320	HL_DS006320	HL_DS006318	Circular	Pipe	137	0.011	-1.30	-1.40	1.50		1	0.3	0.2
HL_DS006330	HL_DS006330	HL_DS005530	Circular	Pipe	100	0.024	-2.30	-2.40	1.50		1	0.3	0.2
HL_DS006337	HL_DS006337	HL_DS002463	Circular	Pipe	206	0.013	-4.40	-4.71	3.00		1	0.3	0.2
HL_DS006338	HL_DS006338	HL_DS006579	Circular	Pipe	175	0.013	-5.76	-6.02	3.00		1	0.3	0.7
HL_DS006344	HL_DS006344	HL_DS002462	Circular	Pipe	230	0.013	-1.80	-2.00	1.50		1	0.3	0.7
HL_DS006347_1	HL_DS006347	HL_DS006349	Circular	Pipe	127	0.013	-0.33	-1.64	2.00		1	0.3	0.7
HL_DS006347_2	HL_DS009303	HL_DS006347	Circular	Pipe	143	0.013	0.00	-0.33	1.50		1	0.3	0.2
HL_DS006353	HL_DS006353	HL_DO000845	Circular	Pipe	58	0.013	0.65	-3.98	2.00		2	0.3	1.0
HL_DS006358	HL_DS006358	RP_DS002860	Circular	Pipe	95	0.013	0.50	0.00	1.25		1	0.3	0.7
HL_DS006362_1	HL_DS006362	HL_DS006364	Circular	Pipe	150	0.024	-1.00	-1.50	2.00		1	0.3	0.2
HL_DS006362_2	HL_DS006362	HL_DW000019	Circular	Pipe	90	0.013	-1.00	-1.50	1.50		1	0.3	0.2
HL_DS006364	HL_DS006364	HL_DS004751	Circular	Pipe	76	0.024	-1.50	-1.80	2.00		1	0.3	0.5
HL_DS006370	HL_DS006370	HL_DS006371	Circular	Pipe	54	0.024	-2.50	-2.90	2.00		1	0.3	0.2
HL_DS006371	HL_DS006371	HL_DO000539	Circular	Pipe	17	0.024	-2.90	-3.00	2.00		1	0.3	1.0
HL_DS006372	HL_DS006372	HL_DS005141	Circular	Pipe	143	0.013	-1.20	-1.30	1.00		1	0.3	0.2
HL_DS006378	HL_DS006378	HL_FDG000224	Circular	Pipe	124	0.024	-2.00	-3.00	1.50		1	0.3	0.2
HL_DS006441	HL_DS006441	HL_DMH000386	Circular	Pipe	121	0.013	0.30	0.20	1.50		1	0.3	0.7
HL_DS006442	HL_DS006442	HL_DMH000386	Circular	Pipe	44	0.013	0.30	0.20	2.00		1	0.3	0.2
HL_DS006452	HL_DS006452	RP_DMH000189	Circular	Pipe	76	0.013	0.50	0.00	1.25		1	0.3	0.5
HL_DS006456	HL_DS006456	HL_DS006320	Circular	Pipe	47	0.011	-1.20	-1.30	1.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS006457	HL_DS006457	HL_DS006458	Circular	Pipe	139	0.011	-0.50	-0.90	1.50		1	0.3	0.2
HL_DS006458	HL_DS006458	HL_DS006306	Circular	Pipe	123	0.011	-0.90	-1.00	1.50		1	0.3	0.2
HL_DS006463	HL_DS006463	HL_DS006330	Circular	Pipe	137	0.011	-2.20	-2.30	1.50		1	0.3	0.2
HL_DS006469	HL_DS006469	HL_DMH000409	Circular	Pipe	73	0.024	-1.50	-1.80	2.00		1	0.3	0.7
HL_DS006473	HL_DS006473	HL_DS006476	Circular	Pipe	93	0.013	-2.70	-2.80	3.00		1	0.3	0.2
HL_DS006474	HL_DS006474	HL_DS006473	Circular	Pipe	112	0.013	-2.60	-2.70	3.00		1	0.3	0.2
HL_DS006475	HL_DS006475	HL_DS006474	Circular	Pipe	119	0.013	-2.43	-2.60	3.00		1	0.3	0.2
HL_DS006476	HL_DS006476	HL_DS002463	Circular	Pipe	17	0.013	-2.80	-2.94	1.25		1	0.3	0.7
HL_DS006480	HL_DS006480	HL_DS006344	Circular	Pipe	247	0.013	-1.70	-1.80	1.25		1	0.3	0.2
HL_DS006483	HL_DS006483	HL_DMH000107	Circular	Pipe	148	0.024	-2.50	-2.73	2.00		1	0.3	0.2
HL_DS006484	HL_DS006484	HL_DS005964	Circular	Pipe	82	0.013	-2.20	-2.30	2.00		1	0.3	0.2
HL_DS006499	HL_DS006499	RP_DMH000528	Circular	Pipe	84	0.013	0.10	-0.56	2.00		1	0.3	0.7
HL_DS006560	HL_DS006560	HL_DMH001888	Circular	Pipe	14	0.013	0.70	0.60	1.00		1	0.3	0.2
HL_DS006561	HL_DS006561	HL_DS006560	Circular	Pipe	49	0.013	1.00	0.70	1.25		1	0.3	0.7
HL_DS006579	HL_DS006579	HL_DS006588	Circular	Pipe	200	0.013	-5.27	-5.30	3.00		1	0.3	0.2
HL_DS006580	HL_DS006580	HL_DS006583	Circular	Pipe	100	0.013	-6.75	-6.69	4.50		1	0.3	0.4
HL_DS006581	HL_DS006581	HL_DS006580	Circular	Pipe	113	0.013	-4.74	-5.62	3.50		1	0.3	0.2
HL_DS006582	HL_DS006582	HL_FD000245	Circular	Pipe	251	0.013	-4.76	-5.50	2.00		1	0.3	0.2
HL_DS006583	HL_DS006583	HL_DO000846	Circular	Pipe	75	0.024	-6.69	-6.38	4.50		1	0.3	1.0
HL_DS006588	HL_DS006588	HL_DS006590	Circular	Pipe	95	0.013	-4.92	-5.22	3.50		1	0.3	0.2
HL_DS006590	HL_DS006590	HL_DS006594	Circular	Pipe	59	0.013	-5.04	-5.45	3.50		1	0.3	0.2
HL_DS006594	HL_DS006594	HL_DS006168	Circular	Pipe	50	0.013	-5.37	-5.41	3.50		1	0.3	0.5
HL_DS006595	HL_DS006595	HL_DS006596	Circular	Pipe	50	0.013	0.16	-1.00	3.50		1	0.3	0.2
HL_DS006596	HL_DS006596	HL_DO000846	Circular	Pipe	57	0.024	-7.50	-6.28	5.00		1	0.3	1.0
HL_DS006600	HL_DS006600	HL_DS006599	Circular	Pipe	151	0.013	-3.41	-3.38	4.50		1	0.3	0.7
HL_DS006601	HL_DS006601	HL_DS006600	Circular	Pipe	117	0.013	-3.77	-3.39	4.50		1	0.3	0.2
HL_DS006607	HL_DS006607	HL_DS006601	Circular	Pipe	173	0.013	-3.22	-3.35	4.00		1	0.3	0.7
HL_DS006608	HL_DS006608	HL_DS006607	Circular	Pipe	96	0.013	-3.77	-3.05	3.50		1	0.3	0.7
HL_DS006615_1	HL_DS006615	HL_DMH001880	Circular	Pipe	94	0.013	0.61	-3.77	4.50		1	0.3	0.5
HL_DS006615_2	HL_DS006615	HL_DO000844	Circular	Pipe	137	0.013	0.65	-7.38	4.50		1	0.3	1.0
HL_DS006618	HL_DS006618	HL_DO000844	Circular	Pipe	20	0.013	-4.13	-4.38	1.50		2	0.3	1.0
HL_DS006620	HL_DS006620	HL_DS006621	Circular	Pipe	38	0.013	-1.50	-1.89	1.50		1	0.3	0.7
HL_DS006621	HL_DS006621	HL_DS007346	Circular	Pipe	110	0.013	-1.89	-1.55	2.00		1	0.3	0.5
HL_DS006622_1	HL_DS006622	HL_DO000844	Circular	Pipe	41	0.013	-7.77	-8.08	3.50		1	0.3	1.0
HL_DS006622_2	HL_DS007343	HL_DS006622	Circular	Pipe	26	0.013	-7.78	-7.77	3.50		1	0.3	0.2
HL_DS007072	HL_DS007072	HL_DO000375	Circular	Pipe	212	0.013	-2.00	-2.50	1.25		1	0.3	1.0
HL_DS007073	HL_DS007073	HL_DS007072	Circular	Pipe	121	0.013	-1.50	-2.00	1.25		1	0.3	0.2
HL_DS007075_1	HL_DS007075	HL_DO000375	Circular	Pipe	28	0.013	2.50	2.00	1.25		2	0.3	0.5
HL_DS007075_2	HL_DS007075	PE_DO000730	Circular	Pipe	28	0.013	2.50	2.00	1.25		2	0.3	0.5
HL_DS007086	HL_DS007086	HL_DO000214	Circular	Pipe	76	0.013	-5.64	0.00	3.50		1	0.3	0.2
HL_DS007116	HL_DS007116	HL_DS000396	Circular	Pipe	17	0.013	-4.77	-4.70	2.00		1	0.3	0.2
HL_DS007119	HL_DS007119	HL_PS000001	Circular	Pipe	18	0.024	-6.50	-6.40	4.50		1	0.3	0.2
HL_DS007138	HL_DS007138	HL_DS000365	Circular	Pipe	52	0.013	-2.50	-2.80	1.25		1	0.3	0.7
HL_DS007146	HL_DS007146	HL_CSL98052	Circular	Pipe	50	0.013	-2.80	-3.00	1.50		1	0.3	2.8

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS007150	HL_DS007150	HL_DMH002052	Circular	Pipe	10	0.011	-3.40	-3.50	2.50		1	0.3	0.2
HL_DS007151	HL_DS007151	HL_DS007241	Circular	Pipe	101	0.013	-0.60	-0.80	3.00		1	0.3	0.2
HL_DS007152	HL_DS007152	HL_DS007151	Circular	Pipe	164	0.013	-0.40	-0.60	3.00		1	0.3	0.2
HL_DS007153	HL_DS007153	HL_CSL98052	Circular	Pipe	63	0.024	-2.00	-2.50	1.25		1	0.3	2.8
HL_DS007160	HL_DS007160	PS_DMH000396	Circular	Pipe	90	0.013	0.00	-0.70	1.25		1	0.3	0.7
HL_DS007163	HL_DS007163	HL_DMH001516	Circular	Pipe	55	0.013	-4.00	-4.50	1.50		1	0.3	0.2
HL_DS007172	HL_DS007172	HL_PS000008	Circular	Pipe	154	0.013	-8.54	-9.00	4.50		1	0.3	0.2
HL_DS007182	HL_DS007182	BC_DS007184	Circular	Pipe	92	0.013	3.02	2.82	2.50		1	0.3	0.6
HL_DS007187	HL_DS007187	PS_DMH000369	Circular	Pipe	70	0.013	-1.00	-2.00	1.25		1	0.3	0.5
HL_DS007188	HL_DS007188	PS_DMH000370	Circular	Pipe	90	0.013	-2.00	-2.50	1.25		1	0.3	0.7
HL_DS007191	HL_DS007191	PS_DMH000341	Circular	Pipe	87	0.013	-3.00	-3.50	1.25		1	0.3	0.7
HL_DS007196	HL_DS007196	PS_DMH000487	Circular	Pipe	84	0.013	-3.00	-4.50	1.25		2	0.3	0.7
HL_DS007217	HL_DS007217	HL_DS007228	Circular	Pipe	140	0.013	-1.50	-2.00	1.25		1	0.3	0.2
HL_DS007227	HL_DS007227	HL_CDW98910	Circular	Pipe	59	0.013	-4.50	-5.00	5.00		1	0.5	0.5
HL_DS007228	HL_DS007228	HL_DO000375	Circular	Pipe	195	0.013	-2.00	-2.50	1.25		1	0.3	1.0
HL_DS007241	HL_DS007241	HL_DMH000281	Circular	Pipe	164	0.013	-0.80	-1.02	3.00		1	0.3	0.7
HL_DS007247	HL_DS007247	PS_DMH000389	Circular	Pipe	89	0.013	0.50	0.00	1.50		1	0.3	0.7
HL_DS007263	HL_DS007263	HL_DO000409	Circular	Pipe	78	0.013	-0.14	-0.14	2.00		1	0.3	1.0
HL_DS007264	HL_DS007264	HL_DO000403	Circular	Pipe	55	0.013	-1.37	-2.29	2.00		1	0.5	1.0
HL_DS007266	HL_DS007266	HL_DO000409	Circular	Pipe	63	0.013	-0.68	-0.70	2.50		1	0.3	1.0
HL_DS007267	HL_DS007267	HL_DMH000410	Circular	Pipe	14	0.024	-3.08	-3.13	1.50		1	0.3	0.2
HL_DS007268	HL_DS007268	HL_DS003901	Circular	Pipe	29	0.013	-2.10	-2.00	1.50		1	0.5	0.5
HL_DS007270	HL_DS007270	HL_DMH000438	Circular	Pipe	36	0.013	-0.50	-1.00	2.00		1	0.3	0.7
HL_DS007272	HL_DS007272	HL_DMH000443	Circular	Pipe	12	0.013	-2.50	-2.62	1.00		1	0.3	0.7
HL_DS007273	HL_DS007273	HL_DS007152	Circular	Pipe	154	0.013	-0.20	-0.40	2.00		1	0.3	0.7
HL_DS007274	HL_DS007274	HL_DS003293	Circular	Pipe	70	0.024	-0.50	-1.00	1.00		1	0.3	0.5
HL_DS007317	HL_DS007317	HL_CDW98910	Circular	Pipe	59	0.013	-4.50	-5.00	5.00		1	0.5	0.5
HL_DS007343	HL_DO000845	HL_DS007343	Circular	Pipe	35	0.013	-8.08	-7.78	3.50		1	0.5	0.2
HL_DS007346	HL_DS007346	HL_DO000214	Circular	Pipe	70	0.013	-4.79	-4.79	3.00		1	0.3	1.0
HL_DS007519	HL_DS007519	HL_DS003739	Circular	Pipe	218	0.024	-4.20	-4.50	2.00		1	0.3	0.2
HL_DS007524	HL_DS007524	HL_DS002976	Circular	Pipe	297	0.013	-3.45	-3.70	2.50		1	0.3	0.2
HL_DS007527	HL_DS007527	HL_DMH001417	Circular	Pipe	40	0.013	-3.01	-3.19	3.00		1	0.3	0.7
HL_DS007541	HL_DS007541	HL_DMH001422	Circular	Pipe	23	0.013	1.80	1.70	1.50		1	0.3	0.2
HL_DS007542	HL_DS007542	HL_DS007543	Circular	Pipe	94	0.011	1.50	1.42	1.50		1	0.3	0.5
HL_DS007544_1	HL_DS007544	HL_DS003164	Circular	Pipe	221	0.013	-7.93	-8.49	3.00		1	0.3	0.2
HL_DS007544_2	HL_DS007544	HL_DS003323	Circular	Pipe	147	0.013	-3.98	-4.49	3.00		1	0.3	0.2
HL_DS007556	HL_DS007556	HL_DS007557	Circular	Pipe	114	0.011	0.20	0.00	1.50		1	0.3	0.5
HL_DS007557	HL_DS007557	PS_DS007558	Circular	Pipe	234	0.011	0.00	-0.50	1.50		1	0.3	0.5
HL_DS007578	HL_DS007578	RP_DS007575	Circular	Pipe	110	0.011	-0.50	-0.80	1.50		1	0.3	0.4
HL_DS007579	HL_DS007579	HL_DS007578	Circular	Pipe	125	0.011	-0.28	-0.50	1.50		1	0.3	0.4
HL_DS007580	HL_DS007580	HL_DS007579	Circular	Pipe	48	0.011	-0.25	-0.28	1.50		1	0.3	0.7
HL_DS007581	HL_DS007581	HL_DS007580	Circular	Pipe	126	0.011	-0.22	-0.25	1.50		1	0.3	0.7
HL_DS007583	HL_DS007583	HL_DMH001428	Circular	Pipe	132	0.011	0.10	0.00	1.50		1	0.3	0.7
HL_DS007601	HL_DS007601	HL_DMH001434	Circular	Pipe	45	0.013	-2.40	-2.50	1.50		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS007604	HL_DS007604	HL_DMH001434	Circular	Pipe	48	0.013	-2.40	-2.50	1.50		1	0.3	0.7
HL_DS007621	HL_DS007621	HL_DS009519	Circular	Pipe	206	0.013	-1.80	-2.00	1.25		1	0.3	0.2
HL_DS007693	HL_DS007693	HL_FDG000140	Circular	Pipe	15	0.024	-5.00	-6.00	1.00		1	0.3	0.7
HL_DS007699	HL_DS007699	HL_DMH001450	Circular	Pipe	47	0.013	-4.50	-4.95	1.50		1	0.3	0.7
HL_DS007701	HL_DS007701	HL_DMH001450	Circular	Pipe	48	0.013	-4.50	-4.95	1.50		1	0.3	0.7
HL_DS007707	HL_DS007707	HL_DMH001453	Circular	Pipe	46	0.013	-2.50	-3.00	1.50		1	0.3	0.7
HL_DS007708	HL_DS007708	HL_DMH001453	Circular	Pipe	46	0.013	-2.50	-3.00	1.50		1	0.3	0.7
HL_DS007741	HL_DS007741	HL_DMH000449	Circular	Pipe	42	0.013	-0.68	-1.00	1.50		1	0.3	0.7
HL_DS007746	HL_DS007746	HL_DS005770	Circular	Pipe	16	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007747	HL_DS007747	HL_DS004398	Circular	Pipe	149	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007748_2	HL_DS007748	HL_DS007747	Circular	Pipe	153	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007749	HL_DS007749	HL_DS005569	Circular	Pipe	114	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007750_2	HL_DS007750	HL_DS005761	Circular	Pipe	108	0.013	-5.08	-5.00	2.00		1	0.3	0.2
HL_DS007751	HL_DS007751	HL_DS005816	Circular	Pipe	115	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007752	HL_DS007752	HL_DS005759	Circular	Pipe	243	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007753	HL_DS007753	HL_DS005571	Circular	Pipe	247	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007754	HL_DS007754	HL_DS005806	Circular	Pipe	92	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007755	HL_DS007755	HL_DS005815	Circular	Pipe	48	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007756	HL_DS007756	HL_DS005796	Circular	Pipe	155	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007758	HL_DS007758	HL_DS005799	Circular	Pipe	105	0.013	-4.78	-2.42	2.00		1	0.3	0.2
HL_DS007759	HL_DS007759	HL_DS005793	Circular	Pipe	216	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007760	HL_DS007760	HL_DS003770	Circular	Pipe	23	0.013	-4.78	-4.50	1.50		1	0.3	0.5
HL_DS007761	HL_DS007761	HL_DS003771	Circular	Pipe	28	0.013	-4.78	-4.70	1.50		1	0.3	0.2
HL_DS007762	HL_DS007762	HL_DS007760	Circular	Pipe	81	0.013	-4.78	-4.78	2.00		1	0.3	0.7
HL_DS007763	HL_DS007763	HL_DS007761	Circular	Pipe	84	0.013	-4.78	-4.78	2.00		1	0.3	0.2
HL_DS007765	HL_DS007765	HL_DS007767	Circular	Pipe	112	0.011	-1.60	-1.80	1.50		1	0.3	0.5
HL_DS007767	HL_DS007767	HL_DS003139	Circular	Pipe	30	0.011	-1.80	-1.90	1.50		1	0.3	0.4
HL_DS007775	HL_DS007775	HL_DS003310	Circular	Pipe	105	0.011	-4.00	-4.29	1.50		1	0.3	0.4
HL_DS007905	HL_DS007905	HL_DS007317	Circular	Pipe	55	0.013	-1.50	-2.00	2.50		1	0.3	1.0
HL_DS007908	HL_DS007908	HL_DS007909	Circular	Pipe	24	0.013	0.00	-0.50	2.00		1	0.3	0.2
HL_DS007909	HL_DS007909	HL_DMH001475	Circular	Pipe	165	0.013	-0.50	-1.00	2.00		1	0.3	0.2
HL_DS007912	HL_DS007912	HL_DS000909	Circular	Pipe	82	0.013	-2.00	-2.20	3.00		1	0.3	0.2
HL_DS008011	HL_DS008011	HL_DS008012	Circular	Pipe	85	0.013	-3.13	-2.90	3.00		1	0.3	0.2
HL_DS008012_2	HL_DS008012	HL_DMH000176	Circular	Pipe	27	0.024	-3.25	-4.00	4.00		1	0.3	0.2
HL_DS008013_2	HL_DS008013	HL_DMH001491	Circular	Pipe	76	0.024	-2.38	-3.66	4.00		1	0.3	0.2
HL_DS008014	HL_DS008014	HL_DO000754	Circular	Pipe	105	0.013	-2.63	-2.86	4.00		1	0.5	0.5
HL_DS008045	HL_DS008045	HL_DS008050	Circular	Pipe	60	0.024	-2.00	-2.30	1.00		3	0.3	0.7
HL_DS008050	HL_DS008050	HL_DS008051	Circular	Pipe	305	0.024	-2.39	-2.75	2.00		1	0.3	0.2
HL_DS008051	HL_DO000156W	HL_DS008051	Circular	Pipe	79	0.024	-1.88	-1.88	2.00		1	0.3	0.7
HL_DS008083	HL_DS008083	HL_DS008084	Circular	Pipe	55	0.024	-2.58	-2.62	3.00		1	0.3	0.2
HL_DS008084	HL_DS008084	HL_DS008085	Circular	Pipe	154	0.024	-2.62	-2.56	3.00		1	0.3	0.2
HL_DS008085	HL_DS008085	HL_DS008086	Circular	Pipe	142	0.024	-2.56	-2.63	3.00		1	0.3	0.2
HL_DS008129	HL_DS008129	HL_DS009998	Circular	Pipe	152	0.013	-2.50	-3.00	1.50		1	0.3	0.2
HL_DS008143_1	HL_DS008143	HL_AGE999110	Circular	Pipe	212	0.011	-1.58	-2.58	2.00		1	0.3	1.0

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS008145	HL_DS008145	HL_DMH001519	Circular	Pipe	88	0.024	-1.00	-1.50	1.25		1	0.3	0.5
HL_DS008147	HL_DS008147	HL_DS008146	Circular	Pipe	92	0.024	0.00	0.00	1.50		1	0.3	0.2
HL_DS008149	HL_DS008149	HL_DS008150	Circular	Pipe	161	0.024	0.00	0.00	1.50		1	0.3	0.2
HL_DS008150	HL_DS008150	HL_DS008151	Circular	Pipe	66	0.024	0.00	0.00	1.50		1	0.3	0.2
HL_DS008151	HL_DS008151	HL_DS008152	Circular	Pipe	35	0.024	0.00	0.00	1.50		1	0.3	0.2
HL_DS008161	HL_DS008161	HL_DS005543	Circular	Pipe	37	0.011	-2.30	-2.40	1.50		1	0.3	0.5
HL_DS008318	HL_DS008318	HL_DS008317	Circular	Pipe	40	0.024	-2.00	-2.10	1.00		1	0.3	0.7
HL_DS008401	HL_DS008403	HL_DS008401	Circular	Pipe	161	0.013	-1.27	-2.02	2.00		1	0.3	0.7
HL_DS008401_1	HL_DS008401	HL_DS008400	Circular	Pipe	126	0.013	-2.02	-2.50	2.50		1	0.3	1.0
HL_DS008404	HL_DS008404	HL_DS008403	Circular	Pipe	36	0.013	0.77	0.52	2.00		1	0.3	0.7
HL_DS008405	HL_DS008405	HL_DS008404	Circular	Pipe	170	0.013	1.00	0.77	1.50		1	0.3	0.2
HL_DS008410	HL_DS008410	HL_DS008403	Circular	Pipe	184	0.013	-1.28	-1.28	2.00		1	0.3	0.2
HL_DS008412	HL_DS008412	HL_DS008413	Circular	Pipe	195	0.013	-0.50	-1.00	1.25		1	0.3	0.7
HL_DS008413	HL_DS008413	HL_DS008410	Circular	Pipe	183	0.013	-1.00	-1.28	1.50		1	0.3	0.2
HL_DS008422	HL_DS008422	HL_DMH001563	Circular	Pipe	16	0.013	-1.27	-1.52	2.00		1	0.3	0.5
HL_DS008423	HL_DS008423	HL_DS008422	Circular	Pipe	148	0.013	-0.95	-1.20	2.00		1	0.3	0.5
HL_DS008424	HL_DS008424	HL_DS008423	Circular	Pipe	41	0.013	1.83	1.59	2.00		1	0.3	0.2
HL_DS008425_1	HL_DS008425	HL_DS008424	Circular	Pipe	35	0.013	2.00	1.76	2.00		1	0.3	0.2
HL_DS008425_2	HL_DMH001564	HL_DS008425	Circular	Pipe	19	0.013	0.02	1.51	2.00		1	0.3	0.7
HL_DS008426	HL_DS008426	HL_DS008425	Circular	Pipe	140	0.013	1.50	1.20	1.25		1	0.3	0.2
HL_DS008430	HL_DMH001568	HL_DS008421	Circular	Pipe	91	0.013	1.07	-0.57	2.00		1	0.3	1.0
HL_DS008432	HL_DS008432	HL_DS008431	Circular	Pipe	30	0.013	-0.40	-0.50	1.25		1	0.3	0.2
HL_DS008433	HL_DS008433	HL_DS008432	Circular	Pipe	109	0.013	0.00	-0.40	1.25		1	0.3	0.2
HL_DS008434	HL_DS008434	HL_DMH001574	Circular	Pipe	20	0.013	0.25	-0.01	2.50		1	0.3	0.7
HL_DS008435	HL_DS008435	HL_DS008434	Circular	Pipe	50	0.013	0.52	0.24	2.50		1	0.3	0.7
HL_DS008437	HL_DS008437	HL_DS008435	Circular	Pipe	59	0.013	0.75	0.44	2.50		1	0.3	0.7
HL_DS008439	HL_DS008439	HL_DS008437	Circular	Pipe	59	0.013	1.03	0.78	2.50		1	0.3	0.2
HL_DS008440_1	HL_DS008440	HL_DS008439	Circular	Pipe	118	0.013	1.98	1.98	2.00		1	0.3	0.7
HL_DS008440_2	HL_DS008440	HL_DS008441	Circular	Pipe	58	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS008441	HL_DS008441	HL_DS008444	Circular	Pipe	59	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS008444	HL_DS008444	HL_DS008445	Circular	Pipe	59	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS008445	HL_DS008445	HL_DS008448	Circular	Pipe	65	0.013	0.00	0.00	1.50		1	0.3	0.2
HL_DS008448	HL_DS008448	HL_DS008449	Circular	Pipe	27	0.013	1.44	1.18	2.00		1	0.3	0.7
HL_DS008449	HL_DS008449	HL_DMH001565	Circular	Pipe	19	0.013	1.26	0.97	2.00		1	0.3	0.7
HL_DS008452	HL_DS008452	HL_DS007182	Circular	Pipe	20	0.013	3.10	3.02	1.50		1	0.3	0.5
HL_DS008465	HL_DS008465	HL_DO000539	Circular	Pipe	122	0.024	-2.10	-2.50	1.50		1	0.3	1.0
HL_DS008466	HL_DS008466	HL_DS009041	Circular	Pipe	257	0.011	-9.31	-9.41	4.00		1	0.3	0.2
HL_DS008467	HL_DS008467	HL_DS008466	Circular	Pipe	335	0.013	-9.17	-9.31	4.00		1	0.3	0.2
HL_DS008645	HL_DS008645	HL_DMH000408	Circular	Pipe	14	0.013	-1.90	-2.00	2.00		1	0.3	0.7
HL_DS008893	HL_DS008893	HL_PS000002	Circular	Pipe	18	0.013	-6.70	-6.80	4.00		1	0.3	1.0
HL_DS008894	HL_DS008894	HL_CICW98050	Circular	Pipe	89	0.013	-3.00	-3.50	2.50		1	0.3	2.8
HL_DS008895	HL_DS008895	HL_CICW98050	Circular	Pipe	31	0.013	-4.80	-5.00	2.00		1	0.3	2.8
HL_DS008969	HL_DS008969	HL_CNL98041	Circular	Pipe	12	0.011	-2.54	-2.57	2.00		1	0.3	2.8
HL_DS009035	HL_DS009035	HL_CNL98141	Circular	Pipe	45	0.024	-4.00	-4.50	2.00		1	0.3	2.8

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS009039	HL_DS009039	HL_CNL98042	Circular	Pipe	232	0.024	0.00	0.00	1.25		1	0.3	2.8
HL_DS009041	HL_DS009041	HL_CNL98042	Circular	Pipe	120	0.013	-9.48	-9.50	4.00		1	0.3	2.8
HL_DS009043	HL_DS009043	HL_CNL98042	Circular	Pipe	50	0.011	-2.80	-3.00	1.50		1	0.3	2.8
HL_DS009044	HL_DS009044	HL_DS009045	Circular	Pipe	47	0.011	-2.60	-2.80	1.50		1	0.3	0.2
HL_DS009045	HL_DS009045	HL_CNL98042	Circular	Pipe	58	0.011	-2.80	-3.00	1.50		1	0.3	2.8
HL_DS009046	HL_DS009046	HL_CNL98042	Circular	Pipe	45	0.024	-1.50	-2.00	1.25		1	0.3	2.8
HL_DS009047	HL_DS009047	HL_CNL98042	Circular	Pipe	68	0.011	-2.50	-3.00	1.50		1	0.3	2.8
HL_DS009048	HL_DS009048	HL_DS009047	Circular	Pipe	33	0.011	-2.40	-2.50	1.00		1	0.3	0.2
HL_DS009244	HL_DS009244	HL_DM001863	Circular	Pipe	17	0.011	-3.87	-3.87	3.00		1	0.3	0.7
HL_DS009303	HL_DS009303	HL_DM000554	Circular	Pipe	182	0.013	-0.90	-1.23	2.50		1	0.3	0.6
HL_DS009304	HL_DS009304	HL_CWL98109	Circular	Pipe	78	0.024	0.95	-4.43	4.50		1	0.3	1.0
HL_DS009308	HL_DS009308	HL_DS006581	Circular	Pipe	170	0.013	-4.70	-4.70	3.50		1	0.3	0.2
HL_DS009436	HL_DS009436	HL_DS001809	Circular	Pipe	68	0.024	-0.30	-0.40	1.00		1	0.3	0.2
HL_DS009437	HL_DS009437	HL_DS009436	Circular	Pipe	83	0.024	-0.20	-0.30	1.00		1	0.3	0.2
HL_DS009500	HL_DS009500	HL_DS003670	Circular	Pipe	29	0.024	-2.50	-2.58	1.50		1	0.3	0.5
HL_DS009509	HL_DS009509	HL_DS005646	Circular	Pipe	44	0.013	-1.00	-1.40	1.25		2	0.3	0.2
HL_DS009519	HL_DS009519	HL_DS002842	Circular	Pipe	74	0.013	-2.00	-2.06	1.25		1	0.3	0.7
HL_DS009532	HL_DS009532	HL_DS006041	Circular	Pipe	292	0.013	-4.88	-4.88	2.00		1	0.3	0.2
HL_DS009534	HL_DS009534	HL_DM001925	Circular	Pipe	31	0.013	0.20	0.00	1.50		1	0.3	0.7
HL_DS009536	HL_DS009536	HL_DS007741	Circular	Pipe	30	0.013	-0.50	-0.68	1.50		1	0.3	0.2
HL_DS009538	HL_DS009538	HL_DS003672	Circular	Pipe	120	0.024	-4.30	-4.10	1.75		1	0.3	0.2
HL_DS009543	HL_DS009543	HL_DM001928	Circular	Pipe	23	0.013	-1.50	-1.80	1.50		1	0.3	0.7
HL_DS009553	HL_DS009553	HL_DS009437	Circular	Pipe	209	0.024	0.00	-0.20	1.00		1	0.3	0.2
HL_DS009998	HL_DS009998	HL_DS003332	Circular	Pipe	52	0.013	-3.00	-3.50	1.50		1	0.3	0.2
HL_DS010007	HL_DS010007	HL_DS003683	Circular	Pipe	72	0.013	-1.10	-1.20	1.00		1	0.3	0.2
HL_DS010008	HL_DS010008	HL_DS010007	Circular	Pipe	104	0.013	-1.00	-1.10	1.00		1	0.3	0.2
HL_DS010009	HL_DS010009	HL_DS010008	Circular	Pipe	110	0.013	-0.90	-1.00	1.00		1	0.3	0.2
HL_DW000019	HL_DW000019	HL_DO000539	Circular	Pipe	20	0.013	-1.50	-2.00	1.50		1	0.3	1.0
HL_FDG000033	HL_FDG000033	HL_DS002947	Circular	Pipe	7	0.024	-2.10	-2.20	1.25		1	0.3	0.2
HL_FDG000036	HL_FDG000036	HL_DS003287	Circular	Pipe	159	0.013	-7.30	-7.50	7.00		1	0.3	0.2
HL_FDG000037	HL_FDG000037	HL_DS002827	Circular	Pipe	254	0.013	-6.00	-6.50	7.00		1	0.3	0.2
HL_FDG000043	HL_FDG000043	HL_FDG000148	Circular	Pipe	177	0.013	-6.50	-7.50	5.00		1	0.3	0.2
HL_FDG000046	HL_FDG000046	HL_FDG000155	Circular	Pipe	11	0.024	-5.00	-5.50	1.00		1	0.3	0.7
HL_FDG000048_1	HL_FDG000048	HL_FDG000056	Circular	Pipe	251	0.013	-4.00	-4.20	1.00		1	0.3	0.2
HL_FDG000048_2	HL_FDG000048	HL_DM000302	Circular	Pipe	253	0.013	-4.00	-4.50	1.00		1	0.3	0.7
HL_FDG000054	HL_FDG000054	HL_FDG000055	Circular	Pipe	259	0.013	-4.30	-4.50	1.00		1	0.3	0.2
HL_FDG000055	HL_FDG000055	HL_DM000307	Circular	Pipe	40	0.013	-4.50	-4.70	1.00		1	0.3	0.7
HL_FDG000056	HL_FDG000056	HL_FDG000124	Circular	Pipe	241	0.013	-4.20	-4.40	1.00		1	0.3	0.2
HL_FDG000059	HL_FDG000059	HL_DS003325	Circular	Pipe	253	0.013	-1.00	-1.50	1.50		1	0.3	0.6
HL_FDG000065	HL_FDG000065	HL_DM000307	Circular	Pipe	102	0.013	-4.60	-4.70	1.00		1	0.3	0.7
HL_FDG000076	HL_FDG000076	HL_DM000405	Circular	Pipe	195	0.013	-3.00	-2.92	2.50		1	0.3	0.2
HL_FDG000077	HL_FDG000077	HL_FDG000036	Circular	Pipe	257	0.013	-7.00	-7.30	7.00		1	0.3	0.2
HL_FDG000078	HL_FDG000078	HL_DS003015	Circular	Pipe	49	0.013	-1.00	-1.90	3.00		1	0.3	0.2
HL_FDG000124	HL_FDG000124	HL_DM000372	Circular	Pipe	50	0.013	-4.40	-4.50	1.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_FDG000140	HL_FDG000140	HL_FDG000043	Circular	Pipe	127	0.013	-6.00	-6.50	5.00		1	0.3	0.2
HL_FDG000148	HL_FDG000148	HL_DM001492	Circular	Pipe	128	0.013	-7.50	-8.50	5.00		1	0.3	0.2
HL_FDG000161	HL_FDG000161	HL_DS005713	Circular	Pipe	122	0.013	-1.80	-1.90	1.25		1	0.3	0.4
HL_FDG000167	HL_FDG000167	HL_DS005531	Circular	Pipe	141	0.011	-1.90	-2.00	1.50		1	0.3	0.2
HL_FDG000180	HL_FDG000180	HL_DS003073	Circular	Pipe	15	0.013	-1.80	-2.00	1.00		1	0.3	0.2
HL_FDG000224	HL_FDG000224	HL_DS003695	Circular	Pipe	30	0.024	-3.00	-3.10	2.00		1	0.3	0.2
HL_FDG000245	HL_FDG000245	HL_DS006580	Circular	Pipe	44	0.013	-5.50	-5.75	3.50		1	0.3	0.7
HL_IN10429	HL_IN10429	HL_IN10433	Circular	Pipe	121	0.011	-2.00	-2.50	1.50		1	0.3	0.4
HL_IN10433	HL_IN10433	HL_DS006037	Circular	Pipe	134	0.011	-2.50	-3.00	1.50		1	0.3	0.5
HL_NID10034	HL_NID10034	BC_NID10035	Circular	Pipe	131	0.013	-2.50	-2.60	1.50		1	0.3	0.7
HL_NID10042	HL_NID10042	BC_NID10041	Circular	Pipe	132	0.013	-3.00	-3.40	2.00		1	0.3	0.7
HL_NID10044	HL_NID10044	HL_NID10046	Circular	Pipe	302	0.013	-3.70	-3.90	2.00		1	0.3	0.7
HL_NID10046	HL_NID10046	HL_AGE999073	Circular	Pipe	25	0.013	-3.90	-4.00	2.00		1	0.3	3.5
HL_PDP000009	HL_PDP000009	HL_CDW98908	Circular	Pipe	350	0.013	-4.10	-4.50	4.00		1	0.3	1.0
HL_PDP000033	HL_PDP000033	HL_PDP000009	Circular	Pipe	76	0.013	-4.00	-4.10	3.50		1	0.5	0.5
HL_VCD000020	HL_VCD000020	HL_DS003105	Circular	Pipe	17	0.013	-5.84	-5.74	3.00		1	0.3	0.5
HL_VCD000069	HL_VCD000069	HL_CNL98142	Circular	Pipe	131	0.011	-3.50	-4.00	2.00		1	0.3	2.8
NB_DMHLB102	NB_DMHLB102	PE_CICW98026	Circular	Pipe	74	0.013	-2.80	-3.00	2.00		1	0.3	2.8
NB_DMHRK125	NB_DMHRK125	NB_DMHRK113	Circular	Pipe	193	0.013	-4.40	-4.60	4.00		1	0.3	0.2
NB_DMHRK140	NB_DMHRK140	NB_DMHRK125	Circular	Pipe	253	0.013	-4.35	-4.40	3.50		1	0.3	0.2
NB_DMHRK145	NB_DMHRK145	NB_DMHRK140	Circular	Pipe	154	0.013	-3.90	-4.35	3.50		1	0.3	0.2
NB_DMHRK149	NB_DMHRK149	NB_DMHRK145	Circular	Pipe	176	0.013	-3.70	-3.90	3.00		1	0.3	0.2
NB_DMHRK153	NB_DMHRK153	NB_DMHRK149	Circular	Pipe	72	0.013	-3.40	-3.70	2.50		1	0.3	0.9
NB_DS003266_3	NB_DMHRK113	NB_DMHRK106	Circular	Pipe	140	0.013	-4.60	-5.00	4.00		1	0.3	0.2
NB_DS006249	NB_DS006249	NB_DS006250	Circular	Pipe	201	0.013	-1.00	-2.00	2.00		1	0.3	0.7
NB_DS006250	NB_DS006250	PE_CICW98030	Circular	Pipe	35	0.013	-2.00	-3.00	2.00		1	0.3	1.0
NB_DS007068	NB_DS007068	NB_DS007069	Circular	Pipe	155	0.013	-1.70	-2.00	1.50		1	0.3	0.8
NB_DS007069	NB_DS007069	PE_CICW98031	Circular	Pipe	93	0.013	-2.00	-3.00	1.50		1	0.3	1.0
NB_DSALN101	NB_DSALN101	PE_CICW98029	Circular	Pipe	110	0.013	-1.83	-2.00	1.25		2	0.3	2.8
NB_DSBLB103	NB_DSBLB103	NB_DMHLB102	Circular	Pipe	85	0.013	-2.60	-2.80	2.00		1	0.3	1.1
NB_DSBLB105	NB_DSBLB105	NB_DSBLB103	Circular	Pipe	64	0.013	-3.91	-4.44	2.00		1	0.3	0.7
NB_DSBLB202	NB_DSBLB202	NB_DSBLB103	Circular	Pipe	176	0.013	-2.60	-4.70	2.00		1	0.3	0.5
NB_DSBLB203	NB_DSBLB203	NB_DSBLB202	Circular	Pipe	43	0.013	-2.70	-2.80	1.50		1	0.3	0.7
NB_DSCDY101	NB_DSCDY101	PE_CICW98030	Circular	Pipe	128	0.013	-1.74	-2.00	1.25		2	0.3	2.8
NB_DSFRK101	NB_DSFRK101	PE_CICW98028	Circular	Pipe	64	0.013	-4.00	-4.10	4.50		1	0.3	2.8
NB_DSFRK105	NB_DMHRK105	NB_DSFRK101	Circular	Pipe	32	0.013	-5.40	-6.10	4.00		1	0.3	0.2
NB_DSFRK106	NB_DMHRK106	NB_DMHRK105	Circular	Pipe	50	0.013	-5.00	-5.10	4.00		1	0.3	0.7
NB_DSFRK107	NB_DSFRK107	NB_DMHRK106	Circular	Pipe	12	0.013	-1.70	-1.80	1.50		1	0.3	0.7
NB_DSFRK114	NB_DSFRK114	NB_DMHRK113	Circular	Pipe	46	0.013	-2.00	-2.10	1.17		1	0.3	0.7
NB_DSFRK150	NB_DSFRK150	NB_DMHRK149	Circular	Pipe	12	0.013	-2.20	-2.30	1.50		1	0.3	0.7
NB_DSFRK154	NB_DSFRK154	NB_DMHRK153	Circular	Pipe	10	0.013	-3.30	-3.40	2.00		1	0.3	0.7
NB_DSFRK201	NB_DSFRK201	NB_DMHRK105	Circular	Pipe	45	0.013	-3.50	-3.60	1.50		1	0.3	0.4
NB_DSFRK202	NB_DSFRK202	NB_DSFRK201	Circular	Pipe	50	0.013	-4.50	-4.60	1.50		1	0.3	0.7
NB_DSFRK205	NB_DSFRK205	NB_DSFRK201	Circular	Pipe	548	0.013	-3.63	-2.00	1.50		1	0.3	1.9

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NB-DS007207	NB-DS007207	NB_DS007068	Circular	Pipe	78	0.013	-1.50	-1.70	1.50		1	0.3	0.7
NC_DS002721	NC_DS002721	RP_DS002719	Circular	Pipe	48	0.013	7.50	7.10	1.00		3	0.3	0.7
NC_DS002837	NC_DS002837	RP_DS003274	Circular	Pipe	57	0.013	7.50	7.00	1.00		3	0.3	0.8
NC_DS003166	NC_DS003166	RP_DS003169	Circular	Pipe	57	0.013	7.00	6.70	1.00		2	0.3	0.7
NC_DS003171	NC_DS003171	RP_DS005851	Circular	Pipe	45	0.013	7.00	6.60	1.00		2	0.3	0.7
NC_DS003298	NC_DS003298	RP_DS003297	Circular	Pipe	115	0.013	7.00	6.70	1.00		1	0.3	0.7
NC_DS003871	NC_DS003871	RP_DS003870	Circular	Pipe	57	0.013	5.00	4.50	1.00		1	0.3	0.7
NC_DS004295	NC_DS004295	RP_DS004296	Circular	Pipe	41	0.024	6.00	5.90	1.00		1	0.3	0.7
NC_DS004331	NC_DS004331	RP_DS004332	Circular	Pipe	41	0.024	6.50	6.00	1.00		2	0.3	0.7
NC_DS004352	NC_DS004352	RP_DS004353	Circular	Pipe	40	0.024	6.00	5.80	1.00		2	0.3	0.7
NC_DS004366	NC_DS004366	RP_DS004367	Circular	Pipe	41	0.013	5.50	5.00	1.00		3	0.3	0.6
NC_DS004588	NC_DS004588	RP_DS004773	Circular	Pipe	100	0.024	6.00	5.30	1.00		1	0.3	0.7
NC_DS005066	NC_DS005066	RP_DS005067	Circular	Pipe	36	0.024	7.10	7.00	0.67		1	0.3	0.2
NC_DS005586	NC_DS005586	RP_DS000366	Circular	Pipe	43	0.013	7.50	7.40	1.00		1	0.3	0.7
NC_DS005737	NC_DS005737	NC_DS004295	Circular	Pipe	86	0.024	6.50	6.00	1.00		1	0.3	0.7
NC_DS005860	NC_DS005860	RP_DS005859	Circular	Pipe	39	0.013	7.00	6.50	1.00		4	0.3	0.7
NC_DS006490	NC_DS006490	BC_DMH000455	Circular	Pipe	53	0.013	0.50	0.10	1.25		2	0.3	0.7
NC_DS008380	NC_DS008380	RP_DS004603	Circular	Pipe	56	0.024	6.00	5.60	1.00		3	0.3	0.7
NC_DS008783	NC_DS008783	NC_DS008787	Circular	Pipe	146	0.011	4.17	3.53	2.00		1	0.3	0.2
NC_DS008784	NC_DS008784	NC_DS008783	Circular	Pipe	100	0.011	3.82	4.17	2.00		1	0.3	0.2
NC_DS008785	NC_DS008785	NC_DS008783	Circular	Pipe	178	0.011	4.22	4.17	2.00		1	0.3	0.2
NC_DS008786	NC_DS008786	NC_DS008785	Circular	Pipe	136	0.011	4.50	4.22	2.00		1	0.3	0.2
NC_DS008787	NC_DS008787	NC_DS008788	Circular	Pipe	137	0.011	3.53	3.52	2.00		1	0.3	0.2
NC_DS009734	NC_DS009734	NC_DS009729	Circular	Pipe	137	0.013	4.64	4.64	2.00		1	0.3	0.5
NC_DS009737	NC_DS009737	NC_DS009734	Circular	Pipe	147	0.013	4.69	4.62	2.00		1	0.3	0.2
NC_DS009739	NC_DS009739	NC_DS009737	Circular	Pipe	146	0.013	6.61	6.72	2.00		1	0.3	0.2
NC_DS009740	NC_DS009740	NC_DS009739	Circular	Pipe	182	0.013	4.58	4.57	2.00		1	0.3	0.2
NC_DS009741	NC_DS009741	NC_DS009740	Circular	Pipe	155	0.013	4.60	4.61	2.00		1	0.3	0.4
NC_DS009742	NC_DS009742	NC_DS009741	Circular	Pipe	135	0.013	4.85	4.83	2.00		1	0.3	0.7
NC_DS009743	NC_DS009743	NC_DS009742	Circular	Pipe	174	0.013	4.84	4.85	2.00		1	0.3	0.2
NC_DS009745	NC_DS009745	NC_DS009743	Circular	Pipe	189	0.013	4.78	4.80	2.00		1	0.3	0.7
NC_DS009747	NC_DS009747	NC_DS009745	Circular	Pipe	178	0.013	4.79	4.80	2.00		1	0.3	0.2
NC_DS009749	NC_DS009749	NC_DS009747	Circular	Pipe	178	0.013	4.78	4.82	2.00		1	0.3	0.2
PE_AGE999015	PE_AGE999015	PE_DO000723	Circular	Pipe	100	0.013	0.00	0.00	1.50		2	0.3	0.5
PE_DMH001534	PE_DMH001534	PE_CICW98012	Circular	Pipe	54	0.013	-2.93	-3.18	2.00		1	0.3	1.0
PE_DO000730_1	PE_DO000730	PE_DO000723	Circular	Pipe	100	0.013	0.00	0.00	4.00		2	0.5	0.5
PE_DO000730_2	PE_DO000730	PE_CICW98031	Circular	Pipe	92	0.013	0.00	0.00	4.00		2	0.5	0.5
PE_DS001965	PE_DS001965	PE_DS004816	Circular	Pipe	200	0.022	-2.70	-3.00	2.00		1	0.3	0.6
PE_DS001977	PE_DS001977	PE_DS001965	Circular	Pipe	175	0.022	-2.00	-2.70	2.00		1	0.3	0.4
PE_DS001979	PE_DS001979	PE_DS001977	Circular	Pipe	150	0.022	-0.50	-2.00	1.25		1	0.3	0.8
PE_DS003177	PE_DS003177	PE_DO000326	Circular	Pipe	50	0.013	-2.80	-3.00	1.00		1	0.3	1.0
PE_DS003178	PE_DS003178	PE_DS003177	Circular	Pipe	106	0.013	-2.00	-2.50	1.00		1	0.3	0.5
PE_DS003179	PE_DS003179	PE_DS003177	Circular	Pipe	117	0.013	-2.50	-2.80	2.00		1	0.3	0.5
PE_DS003182	PE_DS003182	PE_DS003179	Circular	Pipe	133	0.013	-2.00	-2.50	2.00		1	0.3	0.6

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
PE_DS003183	PE_DS003183	PE_DS003182	Circular	Pipe	48	0.011	-1.90	-2.00	1.50		1	0.3	0.7
PE_DS003185	PE_DS003185	PE_DS003183	Circular	Pipe	172	0.011	-1.50	-1.90	1.25		1	0.3	0.7
PE_DS003186	PE_DS003186	PE_DS003185	Circular	Pipe	116	0.011	-1.00	-1.50	1.25		1	0.3	0.7
PE_DS004816	PE_DS004816	PE_CICW98026	Circular	Pipe	71	0.013	-4.30	-4.50	3.00		1	0.3	1.0
PE_DS004819	PE_DS004819	PE_DS004816	Circular	Pipe	130	0.022	-2.50	-3.00	2.00		1	0.3	0.2
PE_DS007461	PE_DS007461	PE_DS004819	Circular	Pipe	61	0.022	-2.20	-2.50	1.25		1	0.3	0.7
PE_DS008198	PE_DS008198	PE_DM001533	Circular	Pipe	28	0.011	0.42	0.42	2.50		1	0.3	0.2
PS_DM000284	PS_DM000284	PS_DS003932	Circular	Pipe	280	0.013	-1.17	-1.30	3.00		1	0.3	0.2
PS_DM000290	PS_DM000290	PS_DM000384	Circular	Pipe	251	0.013	2.50	2.43	1.25		1	0.3	0.2
PS_DM000292	PS_DM000292	PS_DM000284	Circular	Pipe	49	0.013	-0.91	-1.05	3.00		1	0.3	0.2
PS_DM000293	PS_DM000293	PS_DS007157	Circular	Pipe	11	0.013	2.13	1.90	1.25		1	0.3	0.7
PS_DM000298	PS_DM000298	PS_DM000383	Circular	Pipe	99	0.013	2.29	1.39	2.00		1	0.3	0.2
PS_DM000341	PS_DM000341	PS_DM000343	Circular	Pipe	335	0.013	-3.50	-4.00	5.00		1	0.3	0.2
PS_DM000343	PS_DM000343	PS_DM000487	Circular	Pipe	345	0.013	-4.00	-4.50	5.00		1	0.3	0.2
PS_DM000366	PS_DM000366	PS_DM000367	Circular	Pipe	149	0.013	-1.20	-1.30	4.50		1	0.3	0.2
PS_DM000367	PS_DM000367	PS_DM000368	Circular	Pipe	186	0.013	-1.30	-1.50	4.50		1	0.3	0.2
PS_DM000368	PS_DM000368	PS_DM000369	Circular	Pipe	311	0.013	-1.50	-2.00	5.00		1	0.3	0.2
PS_DM000369	PS_DM000369	PS_DM000370	Circular	Pipe	373	0.013	-2.00	-2.50	5.00		1	0.3	0.2
PS_DM000370	PS_DM000370	PS_DM000371	Circular	Pipe	337	0.013	-2.50	-2.90	5.00		1	0.3	0.2
PS_DM000371	PS_DM000371	PS_FDG00064	Circular	Pipe	59	0.013	-2.90	-3.00	5.00		1	0.3	0.2
PS_DM000382	PS_DM000382	PS_DS006439	Circular	Pipe	186	0.024	2.41	2.23	2.00		1	0.3	0.2
PS_DM000383	PS_DM000383	PS_DM000382	Circular	Pipe	219	0.024	2.43	2.41	2.00		1	0.3	0.2
PS_DM000384	PS_DM000384	PS_DM000298	Circular	Pipe	253	0.024	2.43	2.43	2.00		1	0.3	0.2
PS_DM000385	PS_DM000385	HL_DS003260	Circular	Pipe	67	0.013	1.00	0.50	1.50		1	0.3	0.2
PS_DM000387	PS_DM000387	PS_DM000388	Circular	Pipe	365	0.013	0.10	-0.10	2.50		1	0.3	0.2
PS_DM000388	PS_DM000388	PS_DM000389	Circular	Pipe	338	0.013	-0.10	-0.30	3.00		1	0.3	0.2
PS_DM000389	PS_DM000389	PS_DM000395	Circular	Pipe	339	0.013	-0.30	-0.50	3.50		1	0.3	0.2
PS_DM000395	PS_DM000395	PS_DM000396	Circular	Pipe	335	0.013	-0.50	-0.70	5.00		1	0.3	0.2
PS_DM000396	PS_DM000396	PS_DM000397	Circular	Pipe	347	0.013	-0.70	-1.00	5.00		1	0.3	0.2
PS_DM000397	PS_DM000397	PS_DM000366	Circular	Pipe	319	0.013	-1.00	-1.20	4.50		1	0.3	0.2
PS_DM000454	PS_DM000454	PS_DS003919	Circular	Pipe	117	0.013	2.33	1.50	2.00		1	0.3	0.5
PS_DM000487	PS_DM000487	PS_DM000488	Circular	Pipe	277	0.013	-4.50	-5.00	6.00		1	0.3	0.2
PS_DM000488	PS_DM000488	HA_NID111	Circular	Pipe	731	0.013	-5.00	-5.50	6.83		1	0.3	0.7
PS_DM000862	PS_DM000862	PS_DM000863	Circular	Pipe	134	0.024	2.30	2.20	1.00		1	0.3	0.2
PS_DM000863	PS_DM000863	PS_DM000865	Circular	Pipe	129	0.024	2.20	2.10	1.50		1	0.3	0.2
PS_DM000864	PS_DM000864	PS_DS000532	Circular	Pipe	25	0.024	2.60	2.50	1.00		1	0.3	0.7
PS_DM000865	PS_DM000865	PS_DM000866	Circular	Pipe	144	0.024	2.10	2.00	1.50		1	0.3	0.2
PS_DM000868	PS_DM000868	PS_DM000862	Circular	Pipe	179	0.024	2.40	2.30	1.50		1	0.3	0.2
PS_DM001426	PS_DM001426	RP_DM000441	Circular	Pipe	55	0.013	2.01	1.66	2.00		1	0.3	0.5
PS_DS000532	PS_DS000532	PS_DM000868	Circular	Pipe	35	0.024	2.50	2.40	1.00		1	0.3	0.7
PS_DS000536	PS_DS000536	PS_DM000864	Circular	Pipe	8	0.024	2.70	2.60	1.00		1	0.3	0.2
PS_DS003292	PS_DS003292	HL_DS003260	Circular	Pipe	115	0.013	1.00	0.50	2.00		1	0.3	0.6
PS_DS003810	PS_DS003810	PS_DS003811	Circular	Pipe	37	0.013	2.60	2.50	1.25		1	0.3	0.2
PS_DS003811	PS_DS003811	PS_DM000454	Circular	Pipe	27	0.013	2.50	2.33	1.25		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
PS_DS003819	PS_DS003819	PS_DS003886	Circular	Pipe	31	0.024	2.70	2.60	1.00		1	0.3	0.7
PS_DS003833	PS_DS003833	PS_DMH000868	Circular	Pipe	15	0.024	2.50	2.40	1.00		1	0.3	0.7
PS_DS003884	PS_DS003884	PS_DMH000292	Circular	Pipe	26	0.013	-2.72	-1.51	2.00		1	0.3	0.7
PS_DS003886	PS_DS003886	PS_DS003833	Circular	Pipe	44	0.024	2.60	2.50	1.00		1	0.3	0.7
PS_DS003919	PS_DS003919	PS_DS003292	Circular	Pipe	258	0.013	1.50	1.00	2.00		1	0.3	0.2
PS_DS003932	PS_DS003932	RP_DMH000450	Circular	Pipe	72	0.013	-1.30	-1.50	2.00		1	0.3	0.7
PS_DS003936	PS_DS003936	RP_DMH000924	Circular	Pipe	65	0.013	-1.00	-2.00	1.25		1	0.3	0.7
PS_DS003938	PS_DS003938	RP_DS003778	Circular	Pipe	69	0.024	0.50	0.00	1.00		1	0.3	0.7
PS_DS004427	PS_DS004427	PS_DS004619	Circular	Pipe	63	0.013	4.10	4.00	1.25		1	0.3	0.2
PS_DS004451	PS_DS004451	PS_DMH000290	Circular	Pipe	49	0.013	2.60	2.50	1.25		1	0.3	0.7
PS_DS004491	PS_DS004491	PS_DS004505	Circular	Pipe	57	0.013	3.10	3.00	1.25		1	0.3	0.2
PS_DS004607	PS_DS004607	PS_DS004469	Circular	Pipe	66	0.013	4.10	4.00	1.25		1	0.3	0.2
PS_DS004613	PS_DS004613	PS_DS004421	Circular	Pipe	54	0.024	4.10	0.00	1.00		1	0.3	0.2
PS_DS004617	PS_DS004617	PS_DS004620	Circular	Pipe	32	0.024	3.90	3.80	1.00		2	0.3	0.2
PS_DS004630	PS_DS004630	PS_DS004486	Circular	Pipe	61	0.013	4.10	4.00	1.25		1	0.3	0.2
PS_DS004687	PS_DS004687	PS_DMH000488	Circular	Pipe	20	0.013	-4.90	-5.00	5.00		1	0.3	0.7
PS_DS004700	PS_DS004700	PS_DS007304	Circular	Pipe	292	0.013	-2.50	-3.50	3.50		1	0.3	0.2
PS_DS005820	PS_DS005820	PS_DS004614	Circular	Pipe	123	0.024	3.90	3.80	1.00		1	0.3	0.7
PS_DS006439	PS_DS006439	PS_DMH000293	Circular	Pipe	152	0.024	2.23	2.13	2.00		1	0.3	0.7
PS_DS006443	PS_DS006443	PS_DMH000388	Circular	Pipe	51	0.013	0.50	0.00	1.50		1	0.3	0.7
PS_DS007157	PS_DS007157	PS_DS003884	Circular	Pipe	51	0.013	1.90	1.51	2.00		1	0.3	0.2
PS_DS007168	PS_DS007168	PS_DS007287	Circular	Pipe	459	0.013	-4.00	-4.50	4.50		1	0.3	0.2
PS_DS007170	PS_DS007170	PS_DS007168	Circular	Pipe	42	0.013	-3.90	-4.00	4.50		1	0.3	0.2
PS_DS007192	PS_DS007192	PS_DMH000341	Circular	Pipe	38	0.013	-3.00	-3.50	1.25		1	0.3	0.7
PS_DS007193	PS_DS007193	PS_DMH000343	Circular	Pipe	29	0.013	-3.00	-4.00	1.25		1	0.3	0.7
PS_DS007218	PS_DS007218	PS_DMH000366	Circular	Pipe	40	0.013	-1.00	-1.20	1.50		1	0.3	0.7
PS_DS007220	PS_DS007220	PS_DMH000368	Circular	Pipe	38	0.013	-1.00	-1.50	1.25		1	0.3	0.7
PS_DS007221	PS_DS007221	PS_DMH000369	Circular	Pipe	41	0.013	-1.00	-2.00	1.25		1	0.3	0.6
PS_DS007224	PS_DS007224	PS_DMH000370	Circular	Pipe	36	0.013	-2.00	-2.50	1.25		1	0.3	0.6
PS_DS007225	PS_DS007225	PS_DMH000371	Circular	Pipe	30	0.013	-2.50	-2.90	1.25		2	0.3	0.7
PS_DS007249	PS_DS007249	PS_DMH000389	Circular	Pipe	42	0.013	0.50	0.00	1.50		1	0.3	0.7
PS_DS007256	PS_DS007256	PS_DMH000395	Circular	Pipe	38	0.013	0.00	-0.50	1.50		1	0.3	0.7
PS_DS007259	PS_DS007259	PS_DMH000396	Circular	Pipe	41	0.013	0.00	-0.70	1.25		1	0.3	0.7
PS_DS007261	PS_DS007261	PS_DMH000397	Circular	Pipe	39	0.013	-0.50	-1.00	1.50		1	0.3	0.7
PS_DS007287	PS_DS007287	PS_DS007288	Circular	Pipe	124	0.013	-4.50	-4.80	4.50		1	0.3	0.2
PS_DS007288	PS_DS007288	PS_DS004687	Circular	Pipe	30	0.013	-4.80	-4.90	5.00		1	0.3	0.2
PS_DS007290	PS_DS007290	PS_DMH000487	Circular	Pipe	27	0.013	-3.50	-4.50	1.25		2	0.3	0.7
PS_DS007304	PS_DS007304	PS_DS007170	Circular	Pipe	315	0.013	-3.50	-3.90	4.00		1	0.3	0.2
PS_DS007558	PS_DS007558	PS_DS007559	Circular	Pipe	54	0.011	-0.50	-0.60	1.50		1	0.3	0.6
PS_DS007559	PS_DS007559	PS_DS007560	Circular	Pipe	85	0.011	-0.60	-0.70	1.50		1	0.3	0.6
PS_DS007560	PS_DS007560	PS_DS007569	Circular	Pipe	165	0.011	-0.70	-0.90	1.50		1	0.3	0.6
PS_DS007568	PS_DS007568	PS_DMH001607	Circular	Pipe	45	0.011	-1.00	-1.13	1.50		1	0.3	1.0
PS_DS007569	PS_DS007569	PS_DS007568	Circular	Pipe	91	0.011	-0.90	-1.00	1.50		1	0.3	0.7
PS_FDG000064	PS_FDG000064	PS_DMH000341	Circular	Pipe	272	0.013	-3.00	-3.50	5.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DMH000166	RP_DMH000166	RP_DMH001894	Circular	Pipe	301	0.013	1.78	1.39	3.00		1	0.3	0.2
RP_DMH000169	RP_DMH000169	RP_DMH000194	Circular	Pipe	167	0.013	-0.71	0.26	2.50		1	0.3	0.2
RP_DMH000189	RP_DMH000189	RP_DMH000169	Circular	Pipe	181	0.013	-0.38	-0.21	2.50		1	0.3	0.2
RP_DMH000194	RP_DMH000194	RP_DS006496	Circular	Pipe	138	0.013	0.07	-0.01	2.50		1	0.3	0.2
RP_DMH000200	RP_DMH000200	RP_DMH000477	Circular	Pipe	338	0.013	0.42	0.34	2.50		1	0.3	0.2
RP_DMH000240	RP_DMH000240	HL_DS004344	Circular	Pipe	89	0.013	1.71	0.04	2.00		1	0.3	0.7
RP_DMH000241	RP_DMH000241	RP_DMH000240	Circular	Pipe	38	0.013	0.37	-0.21	2.50		1	0.3	0.7
RP_DMH000330	RP_DMH000330	BC_DMH000455	Circular	Pipe	244	0.013	0.53	0.10	3.00		1	0.3	0.2
RP_DMH000335	RP_DMH000335	RP_DMH000422	Circular	Pipe	256	0.013	0.22	0.62	2.00		1	0.3	0.2
RP_DMH000344	RP_DMH000344	RP_DS005207	Circular	Pipe	89	0.013	0.24	0.82	2.50		1	0.3	0.2
RP_DMH000349	RP_DMH000349	RP_DS003678	Circular	Pipe	169	0.013	4.20	3.30	2.00		1	0.3	0.2
RP_DMH000391	RP_DMH000391	RP_DMH001890	Circular	Pipe	331	0.013	1.41	0.93	2.00		1	0.3	0.2
RP_DMH000393	RP_DMH000393	RP_DMH000189	Circular	Pipe	36	0.013	0.50	0.00	1.25		1	0.3	0.7
RP_DMH000398	RP_DMH000398	RP_DMH000200	Circular	Pipe	35	0.013	1.00	0.50	1.50		1	0.3	0.7
RP_DMH000415	RP_DMH000415	RP_DMH000416	Circular	Pipe	21	0.013	1.01	0.89	2.50		1	0.3	0.2
RP_DMH000416	RP_DMH000416	RP_DMH000240	Circular	Pipe	289	0.013	1.00	-0.14	2.50		1	0.3	0.7
RP_DMH000417	RP_DMH000417	RP_DMH000415	Circular	Pipe	17	0.013	0.78	0.91	2.50		1	0.3	0.2
RP_DMH000418	RP_DMH000418	RP_DMH000417	Circular	Pipe	320	0.013	0.80	0.80	2.50		1	0.3	0.2
RP_DMH000422	RP_DMH000422	RP_DMH000200	Circular	Pipe	312	0.013	0.62	0.32	2.00		1	0.3	0.2
RP_DMH000424	RP_DMH000424	RP_DMH000418	Circular	Pipe	335	0.013	0.83	0.57	2.50		1	0.3	0.2
RP_DMH000429	RP_DMH000429	RP_DMH001893	Circular	Pipe	275	0.013	0.60	0.33	2.50		1	0.3	0.2
RP_DMH000433	RP_DMH000433	RP_DMH000429	Circular	Pipe	325	0.013	0.33	0.60	2.50		1	0.3	0.2
RP_DMH000434	RP_DMH000434	RP_DMH000433	Circular	Pipe	37	0.013	0.50	0.33	2.00		1	0.3	0.7
RP_DMH000436	RP_DMH000436	RP_DMH000433	Circular	Pipe	169	0.013	0.80	0.33	2.50		1	0.3	0.2
RP_DMH000440	RP_DMH000440	RP_DS007285	Circular	Pipe	94	0.013	1.15	1.04	2.00		1	0.3	0.7
RP_DMH000441	RP_DMH000441	HL_DMH000438	Circular	Pipe	627	0.013	-2.78	-4.00	4.50		1	0.3	0.4
RP_DMH000444	RP_DMH000444	RP_DS006486	Circular	Pipe	42	0.013	1.60	1.55	2.50		1	0.3	0.2
RP_DMH000445	RP_DMH000445	RP_DMH000444	Circular	Pipe	205	0.013	1.62	1.60	2.00		1	0.3	0.2
RP_DMH000447	RP_DMH000447	RP_DMH000446	Circular	Pipe	247	0.024	2.42	2.58	2.00		1	0.3	0.2
RP_DMH000450	RP_DMH000450	RP_DMH000924	Circular	Pipe	144	0.013	-1.50	-2.00	4.00		1	0.3	0.2
RP_DMH000457	RP_DMH000457	RP_DMH000458	Circular	Pipe	46	0.013	1.00	0.50	1.50		1	0.3	0.7
RP_DMH000458	RP_DMH000458	RP_DMH000466	Circular	Pipe	360	0.013	0.46	0.33	2.50		1	0.3	0.2
RP_DMH000459	RP_DMH000459	RP_DMH000477	Circular	Pipe	37	0.013	0.50	0.00	1.50		1	0.3	0.7
RP_DMH000463	RP_DMH000463	BC_DMH000165	Circular	Pipe	391	0.013	3.50	3.20	2.00		1	0.3	0.2
RP_DMH000464	RP_DMH000464	RP_DMH000344	Circular	Pipe	130	0.013	0.84	0.02	2.50		1	0.3	0.2
RP_DMH000466	RP_DMH000466	RP_DS002860	Circular	Pipe	115	0.013	-0.49	0.00	2.50		1	0.3	0.2
RP_DMH000467	RP_DMH000467	RP_DMH000528	Circular	Pipe	135	0.013	0.01	-0.38	2.50		1	0.3	0.2
RP_DMH000477	RP_DMH000477	RP_DMH000458	Circular	Pipe	304	0.013	-0.12	0.27	2.50		1	0.3	0.2
RP_DMH000480_1	RP_DMH000480_1	HL_DMH000219	Circular	Pipe	179	0.013	-1.41	-1.18	3.00		1	0.3	0.2
RP_DMH000480_2	RP_DMH000480_2	RP_DMH000566	Circular	Pipe	98	0.013	1.60	1.50	1.50		1	0.3	0.2
RP_DMH000481	RP_DMH000481	RP_DMH000422	Circular	Pipe	38	0.013	1.00	0.70	1.50		1	0.3	0.7
RP_DMH000482	RP_DMH000482	RP_DS003280	Circular	Pipe	28	0.013	1.42	1.30	1.25		1	0.3	0.7
RP_DMH000483	RP_DMH000483	RP_DS004680	Circular	Pipe	94	0.013	1.47	1.15	2.50		1	0.3	0.2
RP_DMH000484_1	RP_DMH000484_1	RP_DMH000483	Circular	Pipe	138	0.013	0.97	1.47	2.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DMH000484_2	RP_DMH000484	HL_DMH000439	Circular	Pipe	330	0.013	0.80	0.00	3.00		1	0.3	0.2
RP_DMH000485	RP_DMH000485	RP_DMH000484	Circular	Pipe	10	0.012	0.83	0.80	2.00		1	0.3	0.6
RP_DMH000526	RP_DMH000526	RP_DMH000466	Circular	Pipe	37	0.013	0.50	0.00	1.50		2	0.3	0.6
RP_DMH000528	RP_DMH000528	RP_DMH000189	Circular	Pipe	197	0.013	-0.12	-1.35	2.50		1	0.3	0.2
RP_DMH000564	RP_DMH000564	RP_DMH000241	Circular	Pipe	117	0.013	0.09	0.38	2.50		1	0.3	0.2
RP_DMH000565	RP_DMH000565	RP_DMH000564	Circular	Pipe	71	0.013	0.43	0.31	2.50		1	0.3	0.2
RP_DMH000566	RP_DMH000566	RP_DMH000391	Circular	Pipe	268	0.013	1.50	1.41	1.50		1	0.3	0.2
RP_DMH000924	RP_DMH000924	RP_DMH000441	Circular	Pipe	237	0.013	-2.00	-2.78	4.00		1	0.3	0.5
RP_DMH001012	RP_DMH001012	RP_DS004680	Circular	Pipe	9	0.013	1.30	1.15	1.25		1	0.3	0.7
RP_DMH001427	RP_DMH001427	RP_DMH000441	Circular	Pipe	69	0.011	2.01	1.58	2.00		1	0.3	0.7
RP_DMH001610	RP_DMH001610	RP_DS003290	Circular	Pipe	120	0.013	1.30	1.25	2.00		1	0.3	0.5
RP_DMH001748	RP_DMH001748	RP_DS004666	Circular	Pipe	32	0.024	2.50	2.30	1.50		1	0.3	0.7
RP_DMH001890	RP_DMH001890	RP_DMH000335	Circular	Pipe	410	0.013	0.97	0.97	2.00		1	0.3	0.2
RP_DMH001892	RP_DMH001892	RP_DMH000240	Circular	Pipe	36	0.013	-0.20	-0.01	2.00		1	0.3	0.2
RP_DMH001893	RP_DMH001893	RP_DMH000424	Circular	Pipe	75	0.013	0.39	0.38	2.50		1	0.3	0.2
RP_DMH001894	RP_DMH001894	BC_DMH000159	Circular	Pipe	386	0.013	1.36	1.49	3.00		1	0.3	0.2
RP_DS000366	RP_DS000366	RP_DS005928	Circular	Pipe	97	0.013	7.40	7.30	1.50		1	0.3	0.2
RP_DS002719	RP_DS002719	RP_DS003272	Circular	Pipe	154	0.013	7.10	7.00	1.50		1	0.3	0.2
RP_DS002832	RP_DS002832	RP_DS002719	Circular	Pipe	106	0.013	7.20	7.10	1.50		1	0.3	0.2
RP_DS002860	RP_DS002860	RP_DMH000467	Circular	Pipe	218	0.013	0.00	0.13	2.50		1	0.3	0.2
RP_DS003006	RP_DS003006	RP_DS003175	Circular	Pipe	200	0.013	4.70	4.60	1.50		1	0.3	0.7
RP_DS003167	RP_DS003167	RP_DS005851	Circular	Pipe	190	0.013	6.60	6.55	1.50		1	0.3	0.2
RP_DS003169	RP_DS003169	RP_DS003167	Circular	Pipe	123	0.013	6.65	6.60	1.50		1	0.3	0.2
RP_DS003272	RP_DS003272	RP_DS003274	Circular	Pipe	163	0.013	7.00	6.90	1.50		1	0.3	0.2
RP_DS003274	RP_DS003274	RP_DS003277	Circular	Pipe	162	0.013	6.90	6.80	1.50		1	0.3	0.2
RP_DS003277	RP_DS003277	RP_DS003297	Circular	Pipe	162	0.013	6.80	6.70	1.50		1	0.3	0.2
RP_DS003280	RP_DS003280	RP_DS004680	Circular	Pipe	38	0.024	1.30	1.20	1.50		1	0.3	0.7
RP_DS003285	RP_DS003285	RP_DS003745	Circular	Pipe	29	0.024	4.20	4.10	1.00		1	0.3	0.2
RP_DS003290	RP_DS003290	RP_DMH000440	Circular	Pipe	241	0.013	1.25	1.15	2.00		1	0.3	0.7
RP_DS003297	RP_DS003297	RP_DS003169	Circular	Pipe	347	0.013	6.70	6.65	1.50		1	0.3	0.2
RP_DS003301	RP_DS003301	RP_DMH000464	Circular	Pipe	32	0.013	0.76	1.04	2.00		1	0.3	0.7
RP_DS003678	RP_DS003678	RP_DS003935	Circular	Pipe	338	0.013	3.30	1.50	2.00		1	0.3	0.2
RP_DS003723	RP_DS003723	RP_DS003907	Circular	Pipe	41	0.013	5.10	5.00	0.67		2	0.3	0.2
RP_DS003745	RP_DS003745	RP_DS003914	Circular	Pipe	39	0.013	4.10	4.00	0.83		1	0.3	0.2
RP_DS003752	RP_DS003752	RP_DMH000275	Circular	Pipe	43	0.024	3.70	3.58	1.25		1	0.3	0.7
RP_DS003768	RP_DS003768	RP_DMH000447	Circular	Pipe	43	0.024	2.60	2.42	1.25		1	0.3	0.7
RP_DS003778	RP_DS003778	RP_FDG000040	Circular	Pipe	141	0.013	0.00	-0.50	2.00		1	0.3	0.2
RP_DS003779	RP_DS003779	RP_DMH000275	Circular	Pipe	10	0.015	3.60	3.58	1.00		1	0.3	0.7
RP_DS003781	RP_DS003781	RP_DS006486	Circular	Pipe	49	0.013	1.60	1.55	2.50		1	0.3	0.7
RP_DS003869	RP_DS003869	RP_DS003872	Circular	Pipe	111	0.013	4.50	4.40	1.50		1	0.3	0.7
RP_DS003870	RP_DS003870	RP_DMH000349	Circular	Pipe	44	0.013	4.50	4.20	1.25		1	0.3	0.7
RP_DS003872	RP_DS003872	RP_DS005861	Circular	Pipe	20	0.013	4.40	4.30	1.50		1	0.3	0.7
RP_DS003904	RP_DS003904	RP_DS009379	Circular	Pipe	56	0.013	4.10	4.00	1.00		1	0.3	0.7
RP_DS003909	RP_DS003909	RP_DS003726	Circular	Pipe	44	0.024	4.10	4.00	1.00		2	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DS003911	RP_DS003911	RP_DS003910	Circular	Pipe	50	0.024	6.38	6.74	5.00		1	0.3	0.2
RP_DS003917	RP_DS003917	RP_DS004727	Circular	Pipe	50	0.024	4.00	3.92	1.00		2	0.3	0.2
RP_DS003918	RP_DS003918	RP_DS003922	Circular	Pipe	24	0.013	1.60	1.50	1.50		1	0.3	0.2
RP_DS003921_1	RP_DS003921	RP_DS003930	Circular	Pipe	150	0.013	1.50	0.00	2.00		1	0.3	0.2
RP_DS003921_2	RP_DS003921	RP_DS003923	Circular	Pipe	34	0.013	1.50	1.45	2.00		1	0.3	0.2
RP_DS003922	RP_DS003922	RP_DS003923	Circular	Pipe	20	0.013	1.50	1.45	1.50		1	0.3	0.7
RP_DS003923	RP_DS003923	RP_DS007275	Circular	Pipe	213	0.013	1.45	1.35	1.50		1	0.3	0.2
RP_DS003929	RP_DS003929	RP_DMH000447	Circular	Pipe	15	0.014	2.50	2.42	1.25		1	0.3	0.7
RP_DS003930	RP_DS003930	RP_DS003931	Circular	Pipe	132	0.013	0.00	-1.00	2.00		1	0.3	0.2
RP_DS003931	RP_DS003931	RP_DMH000450	Circular	Pipe	20	0.013	-1.00	-1.50	2.00		1	0.3	0.7
RP_DS003933	RP_DS003933	RP_DMH000924	Circular	Pipe	40	0.013	-1.00	-2.00	1.25		1	0.3	0.5
RP_DS003934	RP_DS003934	RP_DMH000450	Circular	Pipe	319	0.013	-1.00	-1.50	2.00		1	0.3	0.2
RP_DS003935	RP_DS003935	RP_FDG000079	Circular	Pipe	112	0.013	1.50	0.80	2.00		1	0.3	0.2
RP_DS004292	RP_DS004292	RP_DS004395	Circular	Pipe	211	0.024	4.90	4.80	1.50		1	0.3	0.2
RP_DS004296	RP_DS004296	RP_DS004353	Circular	Pipe	220	0.024	5.90	5.80	1.50		1	0.3	0.2
RP_DS004332	RP_DS004332	RP_DS004296	Circular	Pipe	215	0.024	6.00	5.90	1.50		1	0.3	0.2
RP_DS004339	RP_DS004339	RP_DS004332	Circular	Pipe	120	0.024	6.10	6.00	1.50		1	0.3	0.2
RP_DS004349	RP_DS004349	RP_DS004647	Circular	Pipe	43	0.013	5.10	5.00	1.25		2	0.3	0.2
RP_DS004353	RP_DS004353	RP_DS004606	Circular	Pipe	133	0.024	5.80	5.70	1.50		1	0.3	0.2
RP_DS004356	RP_DS004356	RP_DS004360	Circular	Pipe	102	0.024	5.50	5.40	1.50		1	0.3	0.2
RP_DS004360	RP_DS004360	RP_DS004773	Circular	Pipe	208	0.024	5.40	5.30	1.50		1	0.3	0.2
RP_DS004367	RP_DS004367	RP_DS004292	Circular	Pipe	189	0.024	5.00	4.90	1.50		1	0.3	0.2
RP_DS004379	RP_DS004379	RP_DS004367	Circular	Pipe	170	0.024	5.10	5.00	1.50		1	0.3	0.2
RP_DS004395	RP_DS004395	RP_DS003006	Circular	Pipe	80	0.024	4.80	4.70	1.50		1	0.3	0.2
RP_DS004603	RP_DS004603	RP_DS004356	Circular	Pipe	106	0.024	5.60	5.50	1.50		1	0.3	0.2
RP_DS004606	RP_DS004606	RP_DS004603	Circular	Pipe	183	0.024	5.70	5.60	1.50		1	0.3	0.2
RP_DS004644	RP_DS004644	RP_DMH000415	Circular	Pipe	41	0.013	2.08	1.27	2.00		1	0.3	0.2
RP_DS004651	RP_DS004651	RP_DS004649	Circular	Pipe	43	0.013	5.10	5.00	1.25		2	0.3	0.2
RP_DS004657	RP_DS004657	RP_DS004656	Circular	Pipe	44	0.024	4.10	4.00	1.25		2	0.3	0.2
RP_DS004666	RP_DS004666	RP_DMH000482	Circular	Pipe	236	0.024	2.30	1.42	1.25		1	0.3	0.7
RP_DS004680	RP_DS004680	RP_DMH000436	Circular	Pipe	143	0.013	1.15	0.80	2.50		1	0.3	0.2
RP_DS004727	RP_DS004727	RP_DMH001748	Circular	Pipe	327	0.024	3.92	2.50	1.00		1	0.3	0.7
RP_DS004771	RP_DS004771	RP_DS004379	Circular	Pipe	130	0.024	5.20	5.10	1.50		1	0.3	0.2
RP_DS004773	RP_DS004773	RP_DS004771	Circular	Pipe	154	0.024	5.30	5.20	1.50		1	0.3	0.2
RP_DS005110	RP_DS005110	RP_DMH001890	Circular	Pipe	52	0.013	1.50	1.00	1.50		1	0.3	0.5
RP_DS005207	RP_DS005207	RP_DMH000565	Circular	Pipe	392	0.013	0.82	0.53	2.50		1	0.3	0.2
RP_DS005698	RP_DS005698	RP_DS006001	Circular	Pipe	179	0.013	6.30	6.20	1.50		1	0.3	0.2
RP_DS005851	RP_DS005851	RP_DS005853	Circular	Pipe	255	0.013	6.55	6.50	1.50		1	0.3	0.2
RP_DS005853	RP_DS005853	RP_DS005859	Circular	Pipe	186	0.013	6.50	6.45	1.50		1	0.3	0.2
RP_DS005857	RP_DS005857	RP_DS005698	Circular	Pipe	222	0.013	6.40	6.30	1.50		1	0.3	0.2
RP_DS005859	RP_DS005859	RP_DS005857	Circular	Pipe	144	0.013	6.45	6.40	1.50		1	0.3	0.2
RP_DS005861	RP_DS005861	RP_DMH000349	Circular	Pipe	99	0.024	4.30	4.20	1.50		1	0.3	0.7
RP_DS005921	RP_DS005921	RP_DMH000391	Circular	Pipe	52	0.013	1.62	1.55	2.00		1	0.3	0.7
RP_DS005928	RP_DS005928	RP_DS002832	Circular	Pipe	228	0.013	7.30	7.20	1.50		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DS005931	RP_DS005931	RP_DS005930	Circular	Pipe	32	0.013	7.10	7.00	1.25		1	0.3	0.2
RP_DS006001	RP_DS006001	RP_DS004339	Circular	Pipe	75	0.013	6.20	6.10	1.75		1	0.3	0.2
RP_DS006258	RP_DS006258	BC_DMH000159	Circular	Pipe	42	0.013	2.00	1.50	1.25		1	0.3	0.6
RP_DS006299	RP_DS006299	BC_DMH000165	Circular	Pipe	42	0.013	3.00	2.70	1.25		2	0.3	0.6
RP_DS006316	RP_DS006316	RP_DMH000194	Circular	Pipe	37	0.013	2.00	1.00	1.25		1	0.3	0.7
RP_DS006383	RP_DS006383	RP_DS003778	Circular	Pipe	22	0.024	0.20	0.00	1.00		1	0.3	0.7
RP_DS006486	RP_DS006486	RP_DS003921	Circular	Pipe	34	0.013	1.55	1.50	2.00		1	0.3	0.7
RP_DS006496	RP_DS006496	HL_DMH001881	Circular	Pipe	64	0.013	-0.94	-0.63	2.00		1	0.3	0.7
RP_DS006497	RP_DS006497	RP_DMH000463	Circular	Pipe	20	0.013	4.00	3.50	1.25		1	0.3	0.6
RP_DS007271	RP_DS007271	RP_DS007275	Circular	Pipe	88	0.013	1.50	1.35	1.25		1	0.3	0.7
RP_DS007275	RP_DS007275	RP_DMH001610	Circular	Pipe	33	0.013	1.35	1.30	2.00		1	0.3	0.2
RP_DS007285	RP_DS007285	RP_DMH000485	Circular	Pipe	31	0.013	1.04	0.83	2.50		1	0.3	0.5
RP_DS007571	RP_DS007571	RP_DMH001608	Circular	Pipe	84	0.011	-1.30	-1.48	1.50		1	0.3	1.0
RP_DS007572	RP_DS007572	RP_DS007571	Circular	Pipe	100	0.011	-1.10	-1.30	1.50		1	0.3	0.2
RP_DS007575	RP_DS007575	RP_DS007572	Circular	Pipe	181	0.011	-0.80	-1.10	1.50		1	0.3	0.4
RP_DS008610	RP_DS008610	RP_DMH000440	Circular	Pipe	15	0.009	1.50	1.15	1.25		1	0.3	0.2
RP_DS008621	RP_DS008621	RP_DMH001610	Circular	Pipe	12	0.013	1.50	1.30	1.25		1	0.3	0.7
RP_DS009379	RP_DS009379	RP_DS005937	Circular	Pipe	37	0.013	4.00	3.90	1.00		1	0.3	0.2
RP_FDG000040	RP_FDG000040	RP_DS003934	Circular	Pipe	173	0.013	-0.50	-1.00	2.00		1	0.3	0.2
RP_FDG000079	RP_FDG000079	RP_DS003778	Circular	Pipe	132	0.013	0.80	0.00	2.00		1	0.3	0.2
SCB_DMH000170	SCB_DMH000170	SCB_DMH000544	Circular	Pipe	208	0.013	-1.10	-1.20	1.50		1	0.3	0.4
SCB_DMH000195	SCB_DMH000195	SCB_DMH000346	Circular	Pipe	173	0.013	-1.90	-2.08	1.50		1	0.3	0.7
SCB_DMH000203	SCB_DMH000203	SCB_DMH000489	Circular	Pipe	210	0.013	-1.88	-1.98	2.00		1	0.3	0.2
SCB_DMH000204	SCB_DMH000204	SCB_DS007164	Circular	Pipe	94	0.013	-2.40	-2.70	2.00		1	0.3	0.7
SCB_DMH000206	SCB_DMH000206	SCB_DS007291	Circular	Pipe	196	0.013	-2.38	-2.68	2.00		1	0.3	0.7
SCB_DMH000207_1	SCB_DMH000207	SCB_DMH000551	Circular	Pipe	170	0.013	-2.11	-2.15	2.00		1	0.3	0.2
SCB_DMH000207_2	SCB_DMH000551	SCB_DMH000206	Circular	Pipe	35	0.013	-2.15	-2.18	2.00		1	0.0	0.2
SCB_DMH000211	SCB_DMH000211	HL_CICW98034	Circular	Pipe	73	0.013	-2.68	-2.68	2.00		1	0.3	2.8
SCB_DMH000225	SCB_DMH000225	SCB_DMH000336	Circular	Pipe	207	0.013	-2.78	-2.88	2.00		1	0.3	0.7
SCB_DMH000248	SCB_DMH000248	SCB_DS007103	Circular	Pipe	52	0.013	-2.60	-2.90	2.50		1	0.3	0.6
SCB_DMH000249	SCB_DMH000249	SCB_DMH000248	Circular	Pipe	165	0.013	-2.30	-2.60	2.50		1	0.3	0.7
SCB_DMH000252	SCB_DMH000252	SCB_VCD000037	Circular	Pipe	115	0.013	-1.50	-1.80	1.50		1	0.3	0.2
SCB_DMH000253	SCB_DMH000253	HL_CICW98044	Circular	Pipe	70	0.013	-2.50	-3.00	2.50		1	0.3	2.8
SCB_DMH000257	SCB_DMH000257	SCB_DS003748	Circular	Pipe	45	0.013	-1.90	-2.20	2.00		1	0.3	0.5
SCB_DMH000261	SCB_DMH000261	SCB_DS007131	Circular	Pipe	223	0.013	-2.30	-2.60	2.50		1	0.3	0.2
SCB_DMH000283	SCB_DMH000283	SCB_DMH000301	Circular	Pipe	60	0.013	-2.80	-3.30	2.00		1	0.3	0.4
SCB_DMH000288	SCB_DMH000288	SCB_VCD000044	Circular	Pipe	13	0.013	-2.40	-2.60	2.00		1	0.3	0.2
SCB_DMH000294	SCB_DMH000294	SCB_DS003822	Circular	Pipe	62	0.013	-3.50	-4.50	2.00		1	0.3	0.7
SCB_DMH000300	SCB_DMH000300	HL_CICW98047	Circular	Pipe	16	0.013	-3.90	-4.30	3.50		1	0.3	1.0
SCB_DMH000301	SCB_DMH000301	SCB_VCD000040	Circular	Pipe	46	0.013	-3.30	-3.90	3.50		1	0.3	0.2
SCB_DMH000308	SCB_DMH000308	SCB_DS004472	Circular	Pipe	156	0.013	-3.00	-4.20	2.00		1	0.3	0.7
SCB_DMH000312	SCB_DMH000312	HL_CICW98055	Circular	Pipe	66	0.013	-3.30	-3.60	3.50		1	0.3	1.0
SCB_DMH000313	SCB_DMH000313	SCB_DMH000312	Circular	Pipe	45	0.013	-3.10	-3.30	3.50		1	0.3	0.2
SCB_DMH000317	SCB_DMH000317	SCB_VCD000054	Circular	Pipe	55	0.013	-1.70	-1.90	2.00		1	0.3	0.2

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DMH000324	SCB_DMH000324	SCB_DMH000380	Circular	Pipe	272	0.013	-3.40	-3.70	4.00		1	0.3	0.7
SCB_DMH000325	SCB_DMH000325	SCB_DS007254	Circular	Pipe	263	0.013	-0.50	-2.00	1.50		1	0.3	0.2
SCB_DMH000331	SCB_DMH000331	SCB_DS007235	Circular	Pipe	48	0.013	-1.40	-1.80	2.00		1	0.3	0.6
SCB_DMH000332	SCB_DMH000332	SCB_DMH000331	Circular	Pipe	66	0.013	-1.00	-1.40	2.00		1	0.3	0.6
SCB_DMH000336	SCB_DMH000336	SCB_DS007098	Circular	Pipe	43	0.013	-3.78	-3.88	3.00		1	0.3	0.4
SCB_DMH000337	SCB_DMH000337	SCB_DMH000336	Circular	Pipe	171	0.013	-3.18	-3.78	2.50		1	0.3	0.7
SCB_DMH000346	SCB_DMH000346	SCB_DS007082	Circular	Pipe	50	0.013	-2.08	-2.68	2.00		1	0.3	0.2
SCB_DMH000350	SCB_DMH000350	SCB_DMH000553	Circular	Pipe	206	0.013	-2.10	-2.68	1.50		1	0.3	0.7
SCB_DMH000365	SCB_DMH000365	SCB_DS007215	Circular	Pipe	62	0.013	-2.10	-2.58	1.25		1	0.3	0.4
SCB_DMH000377	SCB_NID10050	BC_CICW98056	Circular	Pipe	190	0.013	-3.70	-3.90	3.50		1	0.3	1.0
SCB_DMH000379	SCB_DS008172	SCB_DMH000380	Circular	Pipe	113	0.013	-3.50	-3.70	4.00		1	0.3	0.9
SCB_DMH000380	SCB_DMH000380	BC_CICW98057	Circular	Pipe	378	0.013	-3.70	-4.00	4.50		1	0.3	1.0
SCB_DMH000380_1	SCB_DMH000380	SCB_DMH000381	Circular	Pipe	201	0.013	-3.70	-3.85	3.50		1	0.3	0.2
SCB_DMH000381	SCB_DMH000381	SCB_DS007239	Circular	Pipe	129	0.013	-4.00	-3.85	3.50		1	0.3	0.7
SCB_DMH000390	SCB_DMH000390	HL_CICW98055	Circular	Pipe	250	0.013	-3.30	-3.50	3.00		1	0.3	1.0
SCB_DMH000489	SCB_DMH000489	SCB_DS007291	Circular	Pipe	180	0.013	-2.38	-2.68	2.50		1	0.3	0.7
SCB_DMH000509	SCB_DMH000509	SCB_DS007229	Circular	Pipe	75	0.013	-1.00	-1.50	1.50		1	0.3	0.6
SCB_DMH000510	SCB_DMH000510	SCB_DS007230	Circular	Pipe	75	0.013	-2.00	-2.10	1.50		1	0.3	0.7
SCB_DMH000511	SCB_DMH000511	SCB_DS007231	Circular	Pipe	114	0.013	-1.50	-2.40	1.50		1	0.3	0.9
SCB_DMH000513	SCB_DMH000513	SCB_DS007296	Circular	Pipe	70	0.013	-3.00	-3.40	2.50		1	0.3	0.2
SCB_DMH000519	SCB_DMH000519	SCB_VCD000050	Circular	Pipe	33	0.013	-1.60	-1.80	2.00		1	0.3	0.4
SCB_DMH000543	SCB_DMH000543	SCB_DMH000346	Circular	Pipe	206	0.013	-1.70	-2.08	1.50		1	0.3	0.7
SCB_DMH000544	SCB_DMH000544	SCB_DS007215	Circular	Pipe	212	0.013	-1.28	-1.38	2.00		1	0.3	0.6
SCB_DMH000545	SCB_DMH000545	SCB_DMH000544	Circular	Pipe	20	0.013	-1.00	-1.28	1.25		1	0.3	0.6
SCB_DMH000546	SCB_DMH000546	SCB_DS000359	Circular	Pipe	52	0.013	-2.40	-2.70	2.50		1	0.3	0.4
SCB_DMH000547	SCB_DMH000547	SCB_DMH000546	Circular	Pipe	174	0.013	-1.88	-1.98	2.00		1	0.3	0.7
SCB_DMH000549	SCB_DMH000549	SCB_DMH000547	Circular	Pipe	209	0.013	-1.78	-1.88	2.00		1	0.3	0.2
SCB_DMH000552	SCB_DMH000552	HL_CICW98034	Circular	Pipe	115	0.013	-2.58	-3.50	3.00		1	0.3	2.8
SCB_DMH000553	SCB_DMH000553	SCB_DMH000211	Circular	Pipe	56	0.013	-2.58	-2.68	2.00		1	0.3	0.2
SCB_DMH000555	SCB_DMH000555	SCB_DMH000556	Circular	Pipe	209	0.013	-2.08	-2.28	2.00		1	0.3	0.2
SCB_DMH000556	SCB_DMH000556	SCB_DMH000561	Circular	Pipe	205	0.013	-2.78	-2.88	2.50		1	0.3	0.2
SCB_DMH000559	SCB_DMH000559	SCB_DMH000558	Circular	Pipe	87	0.013	-2.88	-2.98	2.00		1	0.3	0.7
SCB_DMH000560	SCB_DMH000560	SCB_DMH000559	Circular	Pipe	212	0.013	-2.68	-2.88	2.00		1	0.3	0.2
SCB_DMH000561	SCB_DMH000561	SCB_DMH000945	Circular	Pipe	190	0.013	-2.88	-2.98	3.00		1	0.3	0.2
SCB_DMH000849	SCB_DMH000849	SCB_VCD000076	Circular	Pipe	20	0.013	-2.70	-2.90	2.00		1	0.3	0.4
SCB_DMH000878	SCB_DMH000878	SCB_DMH000897	Circular	Pipe	109	0.011	-7.38	-6.18	3.00		1	0.3	0.4
SCB_DMH000897	SCB_DMH000897	SCB_DMH000898	Circular	Pipe	32	0.011	-6.32	-6.04	3.00		1	0.3	0.2
SCB_DMH000898	SCB_DMH000898	BC_CICW98057	Circular	Pipe	160	0.011	-1.72	-1.86	3.00		1	0.3	1.0
SCB_DMH000899	SCB_DMH000899	SCB_DS000699	Circular	Pipe	75	0.011	0.54	2.18	3.00		1	0.3	0.5
SCB_DMH000900	SCB_DMH000900	SCB_DS000700	Circular	Pipe	306	0.011	0.70	0.60	3.00		1	0.3	0.4
SCB_DMH000945	SCB_DMH000945	SCB_NID15950	Circular	Pipe	16	0.013	-2.98	-2.98	3.00		1	0.3	0.2
SCB_DMH001485	SCB_DMH001485	BC_CICW98056	Circular	Pipe	199	0.013	-4.00	-4.10	4.00		1	0.3	1.0
SCB_DMH001551	SCB_DMH001551	SCB_DS007293	Circular	Pipe	16	0.013	-2.40	-2.70	2.00		1	0.3	0.7
SCB_DMH001552	SCB_DMH001552	SCB_DS004286	Circular	Pipe	57	0.013	-1.30	-1.60	1.25		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DMH001553	SCB_DMH001553	SCB_DS003822	Circular	Pipe	197	0.013	-2.70	-4.50	2.00		1	0.3	0.7
SCB_DMH001554	SCB_DMH001554	SCB_DMH000301	Circular	Pipe	204	0.013	-3.00	-3.30	2.50		1	0.3	0.6
SCB_DMH001803	SCB_DMH001803	SCB_DMH000878	Circular	Pipe	362	0.011	-0.77	-4.13	3.00		1	0.3	0.4
SCB_DMH001819	SCB_DMH001819	SCB_DMH001803	Circular	Pipe	18	0.011	-0.72	-0.77	3.00		1	0.3	0.7
SCB_DMH001824	SCB_DMH001824	SCB_NID12244	Circular	Pipe	21	0.013	-1.90	-2.00	2.00		1	0.3	2.8
SCB_DMH001825	SCB_DMH001825	SCB_DMH001826	Circular	Pipe	52	0.011	-2.20	-2.80	1.50		1	0.3	0.2
SCB_DMH001826	SCB_DMH001826	SCB_NID12248	Circular	Pipe	23	0.011	-2.80	-3.00	1.50		1	0.3	2.8
SCB_DMH001827	SCB_DMH000520	SCB_DMH000390	Circular	Pipe	40	0.013	-2.90	-3.30	1.50		1	0.3	0.7
SCB_DMH001828	SCB_DMH001828	SCB_DS007311	Circular	Pipe	43	0.013	-1.80	-2.00	2.00		1	0.3	0.7
SCB_DMH001832	SCB_DMH001832	SCB_DS007165	Circular	Pipe	45	0.013	-2.70	-2.90	2.00		1	0.3	0.6
SCB_DMH001834	SCB_DMH001834	SCB_DMH001551	Circular	Pipe	19	0.013	-2.10	-2.40	2.00		1	0.3	0.2
SCB_DMH001835	SCB_DMH001835	HL_CICW98053	Circular	Pipe	24	0.013	-4.35	-4.50	3.00		1	0.3	2.8
SCB_DMH001873	SCB_DMH001873	SCB_DS007123	Circular	Pipe	83	0.013	-1.80	-2.10	1.50		1	0.3	0.7
SCB_DMH001898	SCB_DMH001898	SCB_NID15951	Circular	Pipe	20	0.013	-2.50	-3.00	2.00		1	0.3	0.5
SCB_DMH001899	SCB_DMH001899	SCB_DMH001900	Circular	Pipe	28	0.013	-4.34	-4.24	2.50		1	0.3	0.2
SCB_DMH001900	SCB_DMH001900	SCB_DS003708	Circular	Pipe	29	0.013	-3.92	-4.00	2.50		1	0.3	0.5
SCB_DS000353	SCB_DS000353	SCB_DMH000544	Circular	Pipe	51	0.013	-1.00	-1.28	1.25		1	0.3	0.8
SCB_DS000359	SCB_DS000359	HL_CICW98033	Circular	Pipe	79	0.013	-2.70	-3.10	2.50		1	0.3	1.0
SCB_DS000595	SCB_DS000595	SCB_NID10050	Circular	Pipe	83	0.013	-1.50	-1.80	1.50		1	0.3	0.6
SCB_DS000608	SCB_DS000608	SCB_DMH001820	Circular	Pipe	97	0.011	2.97	2.97	3.00		1	0.3	0.7
SCB_DS000699	SCB_DS000699	SCB_DS000608	Circular	Pipe	230	0.011	1.08	0.88	3.00		1	0.3	0.7
SCB_DS000700	SCB_DS000700	SCB_DMH000899	Circular	Pipe	203	0.011	0.64	0.63	3.00		1	0.3	0.6
SCB_DS002821	SCB_DS002821	SCB_DMH000195	Circular	Pipe	28	0.013	-1.50	-1.90	1.50		1	0.3	0.7
SCB_DS002823	SCB_DS002823	SCB_DMH000549	Circular	Pipe	57	0.013	-1.40	-1.78	1.25		1	0.3	0.6
SCB_DS003366	SCB_DS003366	SCB_DMH000545	Circular	Pipe	29	0.013	-0.70	-1.00	1.25		1	0.3	0.7
SCB_DS003368	SCB_DS003368	SCB_DMH000543	Circular	Pipe	23	0.013	-1.00	-1.70	1.50		1	0.3	0.7
SCB_DS003369	SCB_DS003369	SCB_DMH000546	Circular	Pipe	26	0.013	-1.50	-1.98	1.25		1	0.3	0.2
SCB_DS003370	SCB_DS003370	SCB_DMH000547	Circular	Pipe	23	0.013	-1.40	-1.88	1.50		1	0.3	0.7
SCB_DS003708	SCB_DS003708	SCB_VCD000036	Circular	Pipe	16	0.013	-3.92	-4.10	2.50		1	0.3	0.2
SCB_DS003709	SCB_DS003709	SCB_NID15951	Circular	Pipe	58	0.013	-1.00	-1.20	1.25		1	0.3	0.6
SCB_DS003714	SCB_DS003714	HL_CICW98040	Circular	Pipe	64	0.013	-1.80	-2.10	2.00		1	0.3	1.0
SCB_DS003716	SCB_DS003716	HL_CICW98040	Circular	Pipe	64	0.013	-3.20	-3.50	2.50		1	0.3	2.8
SCB_DS003718	SCB_DS003718	HL_CICW98040	Circular	Pipe	66	0.013	-2.40	-2.70	2.00		1	0.3	2.8
SCB_DS003721	SCB_DS003721	HL_CICW98039	Circular	Pipe	54	0.013	-2.30	-2.70	2.00		1	0.3	1.0
SCB_DS003731	SCB_DS003731	SCB_DS007123	Circular	Pipe	53	0.013	-1.50	-2.10	1.50		1	0.3	0.2
SCB_DS003735	SCB_DS003735	SCB_DS007123	Circular	Pipe	39	0.013	-1.80	-2.10	1.25		1	0.3	0.7
SCB_DS003747	SCB_DS003747	SCB_DMH000257	Circular	Pipe	48	0.013	-1.70	-1.90	1.25		1	0.3	0.4
SCB_DS003758	SCB_DS003758	HL_CICW98045	Circular	Pipe	24	0.013	-3.10	-3.50	2.50		1	0.3	1.0
SCB_DS003759	SCB_DS003759	SCB_DS003758	Circular	Pipe	80	0.013	-2.90	-3.10	2.50		1	0.3	0.5
SCB_DS003796	SCB_DS003796	SCB_DS003803	Circular	Pipe	204	0.013	-2.70	-3.40	2.00		1	0.3	0.7
SCB_DS003800	SCB_DS003800	SCB_NID15953	Circular	Pipe	25	0.013	-2.70	-3.00	1.25		1	0.3	0.6
SCB_DS003803	SCB_DS003803	SCB_DS006393	Circular	Pipe	46	0.013	-3.10	-3.90	2.00		1	0.3	0.4
SCB_DS003804	SCB_DS006393	HL_CICW98050	Circular	Pipe	14	0.013	-3.90	-4.40	2.50		1	0.3	2.8
SCB_DS003821	SCB_DS003821	HL_CICW98050	Circular	Pipe	13	0.013	-4.83	-5.10	2.50		1	0.3	2.8

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS003822	SCB_DS003822	SCB_DS003821	Circular	Pipe	48	0.013	-4.50	-4.83	2.50		1	0.3	0.2
SCB_DS003832	SCB_DS003832	SCB_DMH000288	Circular	Pipe	73	0.013	-1.50	-2.40	1.25		1	0.3	0.7
SCB_DS003947	SCB_DS003947	SCB_DMH000248	Circular	Pipe	36	0.013	-1.50	-1.70	1.50		1	0.3	0.6
SCB_DS003957	SCB_DS003957	SCB_DS007291	Circular	Pipe	25	0.013	-1.30	-1.50	1.50		1	0.3	0.4
SCB_DS003982	SCB_DS003982	SCB_DMH000489	Circular	Pipe	28	0.013	-1.30	-1.50	1.50		1	0.3	0.6
SCB_DS003983	SCB_DS003983	SCB_DMH000203	Circular	Pipe	33	0.013	-1.30	-1.50	1.50		1	0.3	0.6
SCB_DS004283_1	SCB_DS004283	SCB_VCD000049	Circular	Pipe	67	0.013	-2.40	-2.70	2.00		1	0.3	0.2
SCB_DS004284	SCB_DS004284	SCB_VCD000018	Circular	Pipe	20	0.013	-2.30	-2.40	2.00		1	0.3	0.5
SCB_DS004286	SCB_DS004286	SCB_DMH000490	Circular	Pipe	28	0.013	-1.60	-2.00	2.00		1	0.3	0.6
SCB_DS004391	SCB_DS004391	SCB_DS004392	Circular	Pipe	40	0.013	-1.90	-2.00	2.50		1	0.3	0.5
SCB_DS004392	SCB_DS004392	SCB_DMH000261	Circular	Pipe	351	0.013	-2.00	-2.30	2.50		1	0.3	0.2
SCB_DS004399	SCB_DS004399	SCB_DMH001554	Circular	Pipe	16	0.013	-1.50	-2.00	1.25		1	0.3	0.5
SCB_DS004463	SCB_DS004463	SCB_VCD000048	Circular	Pipe	81	0.013	-1.80	-2.10	2.00		1	0.3	0.2
SCB_DS004472	SCB_DS004472	SCB_DMH001835	Circular	Pipe	41	0.013	-4.20	-4.34	3.00		1	0.3	0.2
SCB_DS004497	SCB_DS004497	SCB_DS007294	Circular	Pipe	110	0.013	-1.00	-1.20	1.25		1	0.3	0.7
SCB_DS004559	SCB_DS004559	SCB_DMH000324	Circular	Pipe	35	0.013	-1.00	-1.50	1.25		1	0.3	0.4
SCB_DS004560	SCB_DS004560	SCB_DMH000325	Circular	Pipe	28	0.013	-0.20	-0.50	1.25		1	0.3	0.7
SCB_DS004570	SCB_DS004570	SCB_DS007232	Circular	Pipe	114	0.013	-2.20	-2.80	2.00		1	0.3	0.8
SCB_DS004609	SCB_DMH000490	HL_CICW98055	Circular	Pipe	48	0.013	-2.00	-3.50	2.50		1	0.3	1.7
SCB_DS004690	SCB_DS004690	SCB_DMH000508	Circular	Pipe	22	0.011	-1.50	-1.73	1.25		2	0.3	0.4
SCB_DS004704	SCB_DS004704	SCB_DMH001552	Circular	Pipe	27	0.013	-1.00	-1.30	1.25		1	0.3	0.4
SCB_DS004706	SCB_DS004706	SCB_DMH001825	Circular	Pipe	23	0.013	-2.10	-2.20	2.00		1	0.3	0.4
SCB_DS004707	SCB_DS004707	SCB_DMH000317	Circular	Pipe	34	0.013	-1.50	-1.70	1.25		2	0.3	0.5
SCB_DS004711	SCB_DS004711	SCB_DMH000519	Circular	Pipe	36	0.013	-1.00	-1.60	1.25		2	0.3	0.4
SCB_DS004716	SCB_DS004716	SCB_DMH000520	Circular	Pipe	71	0.013	-2.00	-2.90	1.25		1	0.3	0.4
SCB_DS004717	SCB_DS004717	SCB_DMH001825	Circular	Pipe	34	0.011	-1.50	-1.70	1.25		1	0.3	0.5
SCB_DS005077	SCB_DS005077	SCB_DMH000207	Circular	Pipe	21	0.013	-2.00	-2.11	1.50		1	0.3	0.7
SCB_DS005253	SCB_DS005253	SCB_DS005077	Circular	Pipe	31	0.013	-1.80	-2.00	1.50		1	0.3	0.7
SCB_DS005254	SCB_DS005254	SCB_DMH000553	Circular	Pipe	28	0.013	-1.30	-1.50	1.50		1	0.3	0.2
SCB_DS005685	SCB_DS005685	SCB_DS007095	Circular	Pipe	27	0.013	-1.80	-2.00	1.25		1	0.3	0.5
SCB_DS005711	SCB_DS005711	HL_CICW98038	Circular	Pipe	58	0.013	-3.88	-4.30	3.00		1	0.3	2.8
SCB_DS006027	SCB_DS006027	SCB_DMH000551	Circular	Pipe	35	0.013	-1.30	-1.50	1.50		1	0.3	0.7
SCB_DS006028	SCB_DS006028	HL_CICW98034	Circular	Pipe	39	0.013	-2.50	-3.00	2.00		1	0.3	1.0
SCB_DS006384	SCB_DS006384	SCB_DMH000283	Circular	Pipe	25	0.013	-2.20	-2.80	2.00		1	0.3	0.4
SCB_DS006390	SCB_DS006390	SCB_DS003803	Circular	Pipe	87	0.013	-2.50	-3.10	2.00		1	0.3	0.4
SCB_DS006391	SCB_DS006391	SCB_DMH000288	Circular	Pipe	34	0.013	-2.20	-2.40	2.00		1	0.3	0.2
SCB_DS006392	SCB_DS006392	SCB_DS003800	Circular	Pipe	16	0.013	-2.40	-2.70	1.25		1	0.3	0.5
SCB_DS006396	SCB_DS006396	SCB_DS003803	Circular	Pipe	197	0.013	-2.00	-3.10	2.00		1	0.3	0.7
SCB_DS006398	SCB_DS006398	SCB_DMH000294	Circular	Pipe	26	0.013	-2.00	-3.50	1.25		3	0.3	0.4
SCB_DS006403	SCB_DS006403	SCB_DMH000300	Circular	Pipe	40	0.013	-2.00	-2.50	1.50		1	0.3	0.5
SCB_DS006404	SCB_DS006404	SCB_VCD000041	Circular	Pipe	15	0.013	-2.20	-2.50	2.00		1	0.3	0.2
SCB_DS007076	SCB_DS007076	SCB_DMH000170	Circular	Pipe	26	0.013	-0.80	-1.10	1.25		1	0.3	0.7
SCB_DS007079	SCB_DS007079	SCB_DMH000547	Circular	Pipe	57	0.013	-1.40	-1.78	1.25		1	0.3	0.6
SCB_DS007081	SCB_DS007081	SCB_DMH000195	Circular	Pipe	53	0.013	-1.50	-1.90	1.25		1	0.3	0.6

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS007082	SCB_DS007082	HL_CICW98033	Circular	Pipe	44	0.013	-2.68	-4.00	2.50		1	0.3	2.8
SCB_DS007083	SCB_DS007083	SCB_DMH000211	Circular	Pipe	15	0.013	-1.30	-1.50	1.25		1	0.3	0.6
SCB_DS007085	SCB_DS007085	SCB_NID15950	Circular	Pipe	55	0.013	-1.20	-1.50	1.25		1	0.3	0.6
SCB_DS007087	SCB_DS007087	SCB_DS004472	Circular	Pipe	88	0.013	-3.50	-4.20	2.00		1	0.3	0.4
SCB_DS007089	SCB_DS007089	SCB_DMH000560	Circular	Pipe	53	0.013	-1.30	-1.50	1.25		1	0.3	0.6
SCB_DS007091	SCB_DS007091	SCB_DMH000225	Circular	Pipe	30	0.013	-2.20	-2.50	1.50		1	0.3	0.6
SCB_DS007092	SCB_DS007092	SCB_DMH000225	Circular	Pipe	49	0.013	-2.20	-2.50	1.25		1	0.3	0.6
SCB_DS007094	SCB_DS007094	SCB_DMH000336	Circular	Pipe	27	0.013	-2.00	-2.50	1.50		1	0.3	0.4
SCB_DS007095	SCB_DS007095	SCB_DMH000337	Circular	Pipe	47	0.013	-2.00	-2.50	1.25		1	0.3	0.7
SCB_DS007098	SCB_DS007098	SCB_DS005711	Circular	Pipe	29	0.013	-3.88	-3.88	3.00		1	0.3	0.5
SCB_DS007102	SCB_DS007102	SCB_DMH000249	Circular	Pipe	70	0.013	-2.00	-2.30	1.50		1	0.3	0.4
SCB_DS007103	SCB_DS007103	SCB_DS003716	Circular	Pipe	24	0.013	-2.90	-3.20	2.50		1	0.3	0.5
SCB_DS007104	SCB_DS007104	SCB_DS003714	Circular	Pipe	16	0.013	-1.50	-1.80	2.00		1	0.3	0.2
SCB_DS007105	SCB_DS007105	SCB_DS003718	Circular	Pipe	16	0.013	-2.00	-2.40	2.00		1	0.3	0.2
SCB_DS007107	SCB_DS007107	SCB_DS007283	Circular	Pipe	29	0.013	-1.40	-1.70	1.50		1	0.3	0.7
SCB_DS007108	SCB_DS007108	SCB_DS007109	Circular	Pipe	90	0.013	-1.40	-2.00	1.50		1	0.3	0.4
SCB_DS007109	SCB_DS007109	SCB_DS003721	Circular	Pipe	22	0.013	-2.00	-2.30	2.00		1	0.3	0.2
SCB_DS007114	SCB_DS007114	SCB_DMH000249	Circular	Pipe	76	0.013	-2.00	-2.30	2.00		1	0.3	0.7
SCB_DS007115	SCB_DS007115	SCB_DMH000248	Circular	Pipe	70	0.013	-2.00	-2.60	2.00		1	0.3	0.2
SCB_DS007118	SCB_DS007118	SCB_DMH000252	Circular	Pipe	35	0.013	-1.20	-1.50	1.50		1	0.3	0.7
SCB_DS007120_1	SCB_DS007120	SCB_DMH000253	Circular	Pipe	28	0.013	-2.49	-2.50	1.50		1	0.3	0.5
SCB_DS007123	SCB_DS007123	SCB_DMH000253	Circular	Pipe	59	0.013	-2.10	-2.50	2.00		1	0.3	0.2
SCB_DS007124	SCB_DS007124	SCB_DS007130	Circular	Pipe	54	0.013	-1.00	-2.20	1.25		1	0.3	0.6
SCB_DS007125	SCB_DS007125	SCB_DS003735	Circular	Pipe	85	0.013	-0.70	-1.80	1.25		1	0.3	0.2
SCB_DS007127	SCB_DS007127	SCB_DS007120	Circular	Pipe	193	0.013	-2.10	-2.50	1.50		1	0.3	0.7
SCB_DS007128	SCB_DS007128	SCB_DS007129	Circular	Pipe	74	0.013	-1.60	-1.80	2.00		1	0.3	0.2
SCB_DS007129	SCB_DS007129	SCB_VCD000038	Circular	Pipe	29	0.013	-1.80	-2.00	2.00		1	0.3	0.2
SCB_DS007130	SCB_DS007130	SCB_DMH000258	Circular	Pipe	166	0.013	-2.20	-2.50	2.00		1	0.3	0.7
SCB_DS007131	SCB_DS007131	SCB_DMH000255	Circular	Pipe	26	0.013	-2.60	-2.70	2.50		1	0.3	0.6
SCB_DS007134	SCB_DS007134	SCB_DS007135	Circular	Pipe	94	0.013	-1.00	-1.50	1.50		1	0.3	0.5
SCB_DS007135	SCB_DS007135	SCB_DS004392	Circular	Pipe	110	0.013	-1.50	-2.00	2.50		1	0.3	0.2
SCB_DS007137	SCB_DS007137	SCB_DS004391	Circular	Pipe	32	0.013	-0.50	-1.90	1.25		1	0.3	0.2
SCB_DS007145	SCB_DS007145	SCB_DMH001553	Circular	Pipe	56	0.013	-1.50	-1.80	1.25		1	0.3	0.5
SCB_DS007159	SCB_DS007159	SCB_DMH000255	Circular	Pipe	31	0.013	-2.50	-2.70	2.50		1	0.3	0.6
SCB_DS007161	SCB_DS007161	SCB_DMH000308	Circular	Pipe	42	0.013	-2.00	-3.00	1.25		1	0.3	0.5
SCB_DS007164	SCB_DS007164	SCB_DS007165	Circular	Pipe	204	0.013	-2.70	-2.90	2.00		1	0.3	0.2
SCB_DS007165	SCB_DS007165	SCB_DMH000313	Circular	Pipe	109	0.013	-2.90	-3.10	2.00		1	0.3	0.7
SCB_DS007173	SCB_DS007173	SCB_DS007233	Circular	Pipe	324	0.013	-3.10	-3.30	3.00		1	0.3	0.4
SCB_DS007175	SCB_DS007175	SCB_FDG000114	Circular	Pipe	93	0.013	-3.40	-3.60	2.00		1	0.3	0.6
SCB_DS007176	SCB_DS007176	SCB_DS007234	Circular	Pipe	90	0.013	-1.00	-1.20	1.25		1	0.3	0.8
SCB_DS007179	SCB_DS007179	SCB_DMH000324	Circular	Pipe	121	0.013	-1.00	-1.40	2.00		1	0.3	0.5
SCB_DS007180	SCB_DS007180	SCB_DS007254	Circular	Pipe	83	0.013	-1.00	-1.50	2.50		1	0.3	0.7
SCB_DS007198	SCB_DS007198	SCB_DMH000346	Circular	Pipe	26	0.013	-1.20	-1.50	1.50		1	0.3	0.4
SCB_DS007202	SCB_DS007202	SCB_DS007173	Circular	Pipe	84	0.013	-1.60	-1.90	2.50		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS007203	SCB_DS007203	SCB_DS007237	Circular	Pipe	88	0.013	-2.50	-2.80	2.50		1	0.3	0.7
SCB_DS007204	SCB_DS007204	SCB_DMH000350	Circular	Pipe	27	0.013	-1.30	-1.50	1.50		1	0.3	0.7
SCB_DS007214	SCB_DS007214	SCB_DMH000365	Circular	Pipe	106	0.013	-1.80	-2.10	1.25		1	0.3	0.5
SCB_DS007215	SCB_DS007215	HL_CICW98033	Circular	Pipe	71	0.013	-2.58	-4.00	2.50		1	0.3	2.8
SCB_DS007216	SCB_DS007216	HL_CICW98032	Circular	Pipe	67	0.013	-2.00	-3.00	1.25		1	0.3	2.8
SCB_DS007229	SCB_DS007229	SCB_DMH001485	Circular	Pipe	143	0.013	-3.80	-4.00	3.50		1	0.3	0.7
SCB_DS007230	SCB_DS007230	SCB_DMH001485	Circular	Pipe	58	0.013	-3.90	-4.00	3.50		1	0.3	0.7
SCB_DS007231	SCB_DS007231	SCB_DS007230	Circular	Pipe	196	0.013	-3.80	-3.90	3.00		1	0.3	0.2
SCB_DS007232	SCB_DS007232	SCB_DS007231	Circular	Pipe	198	0.013	-3.60	-3.80	2.50		1	0.3	0.2
SCB_DS007233	SCB_DS007233	SCB_NID10050	Circular	Pipe	280	0.013	-3.30	-3.50	3.00		1	0.3	0.7
SCB_DS007234	SCB_DS007234	SCB_NID10050	Circular	Pipe	114	0.013	-2.00	-2.20	3.00		1	0.3	0.4
SCB_DS007235	SCB_DS007235	SCB_DS007234	Circular	Pipe	86	0.013	-1.80	-2.00	2.50		1	0.3	0.2
SCB_DS007236	SCB_DS007236	SCB_DMH000332	Circular	Pipe	50	0.013	-0.50	-1.00	1.50		1	0.3	0.6
SCB_DS007237	SCB_DS007237	SCB_FDG000075	Circular	Pipe	212	0.013	-2.80	-3.50	3.00		1	0.3	0.2
SCB_DS007238	SCB_DS007238	SCB_DMH000381	Circular	Pipe	90	0.013	-1.70	-3.00	2.00		1	0.3	0.6
SCB_DS007239	SCB_DS007239	BC_CICW98057	Circular	Pipe	272	0.013	-4.00	-6.00	4.50		1	0.3	1.0
SCB_DS007240	SCB_DS007240	SCB_DS007253	Circular	Pipe	201	0.013	-2.10	-2.40	2.00		1	0.3	0.2
SCB_DS007253	SCB_DS007253	SCB_DS007253	Circular	Pipe	16	0.013	0.00	0.00	2.00		1	0.3	0.2
SCB_DS007253_1	SCB_DS007253	SCB_DMH000390	Circular	Pipe	189	0.013	-3.10	-3.30	2.00		1	0.3	0.7
SCB_DS007254	SCB_DS007254	SCB_DMH000324	Circular	Pipe	356	0.013	-2.00	-3.40	4.00		1	0.3	0.2
SCB_DS007255	SCB_DS007255	SCB_DS007229	Circular	Pipe	204	0.013	-3.00	-3.50	2.00		1	0.3	0.4
SCB_DS007282	SCB_DS007282	SCB_DS007104	Circular	Pipe	90	0.013	-1.20	-1.50	1.50		1	0.3	0.4
SCB_DS007283	SCB_DS007283	SCB_DS007105	Circular	Pipe	84	0.013	-1.70	-2.00	1.50		1	0.3	0.4
SCB_DS007291	SCB_DS007291	SCB_DMH000552	Circular	Pipe	54	0.013	-2.68	-2.58	2.50		1	0.3	0.4
SCB_DS007292	SCB_DS007292	SCB_DMH000513	Circular	Pipe	87	0.013	-2.40	-3.00	2.00		2	0.3	0.8
SCB_DS007293	SCB_DS007293	SCB_DMH000313	Circular	Pipe	103	0.013	-2.70	-3.10	2.00		1	0.3	0.7
SCB_DS007294	SCB_DS007294	SCB_DMH000490	Circular	Pipe	204	0.013	-1.20	-2.00	2.00		1	0.3	0.7
SCB_DS007296	SCB_DS007296	SCB_FDG000114	Circular	Pipe	106	0.013	-3.40	-3.60	3.00		1	0.3	0.2
SCB_DS007308	SCB_DS007308	SCB_DMH000308	Circular	Pipe	68	0.013	-2.00	-3.00	1.25		1	0.3	0.5
SCB_DS007311	SCB_DS007311	SCB_DMH000390	Circular	Pipe	207	0.013	-2.00	-2.70	2.00		1	0.3	0.7
SCB_DS007322	SCB_DS007322	SCB_DMH000549	Circular	Pipe	27	0.013	-1.40	-1.78	1.50		1	0.3	0.7
SCB_DS007325	SCB_DS007325	SCB_DMH000203	Circular	Pipe	50	0.013	-1.30	-1.50	1.25		1	0.3	0.6
SCB_DS007326	SCB_DS007326	SCB_DMH000489	Circular	Pipe	54	0.013	-1.30	-1.50	1.25		1	0.3	0.6
SCB_DS007327	SCB_DS007327	SCB_DMH000206	Circular	Pipe	57	0.013	-1.50	-2.08	1.25		1	0.3	0.6
SCB_DS007328	SCB_DS007328	SCB_DMH000207	Circular	Pipe	54	0.013	-1.30	-1.50	1.25		1	0.3	0.6
SCB_DS007329	SCB_DS007329	SCB_DMH000350	Circular	Pipe	53	0.013	-1.50	-2.10	1.25		1	0.3	0.7
SCB_DS007331	SCB_DS007331	SCB_DMH000555	Circular	Pipe	27	0.013	-1.20	-1.50	1.50		1	0.3	0.7
SCB_DS007333	SCB_DS007333	SCB_DMH000556	Circular	Pipe	53	0.013	-1.40	-1.50	1.25		1	0.3	0.6
SCB_DS007334	SCB_DS007334	SCB_DMH000556	Circular	Pipe	28	0.013	-1.30	-1.50	1.50		1	0.3	0.7
SCB_DS007335	SCB_DS007335	SCB_DMH000559	Circular	Pipe	29	0.013	-1.40	-1.50	1.50		1	0.3	0.6
SCB_DS007336	SCB_DS007336	SCB_NID15950	Circular	Pipe	31	0.013	-1.20	-1.50	1.50		1	0.3	0.7
SCB_DS007338	SCB_DS007338	SCB_DMH000559	Circular	Pipe	57	0.013	-1.30	-1.50	1.50		1	0.3	0.6
SCB_DS007340	SCB_DS007340	SCB_DMH000560	Circular	Pipe	25	0.013	-1.30	-1.50	1.50		1	0.3	0.7
SCB_DS007342	SCB_DS007342	SCB_DMH000561	Circular	Pipe	26	0.013	-1.20	-1.50	1.50		1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS007344	SCB_DS007344	SCB_DMH000555	Circular	Pipe	53	0.013	-1.10	-1.50	1.25		1	0.3	0.6
SCB_DS007345	SCB_DS007345	SCB_DMH000561	Circular	Pipe	54	0.013	-1.30	-1.50	1.25		1	0.3	0.6
SCB_DS008256	SCB_DS008256	SCB_DMH000255	Circular	Pipe	85	0.013	-2.00	-2.70	1.33		1	0.3	0.4
SCB_DS008622	SCB_DS008622	SCB_DS005685	Circular	Pipe	49	0.013	-1.70	-1.80	2.00		1	0.3	0.5
SCB_DS009385	SCB_DS009385	SCB_DMH001898	Circular	Pipe	14	0.011	-1.80	-2.50	1.50		1	0.3	0.2
SCB_DS009388	SCB_DS009388	SCB_DMH001899	Circular	Pipe	8	0.011	-1.40	-3.00	1.50		1	0.3	0.2
SCB_DS009391	SCB_DS009391	SCB_DMH000337	Circular	Pipe	41	0.013	-3.60	-3.18	2.00		1	0.3	0.5
SCB_DS009392	SCB_DS009392	SCB_DS009391	Circular	Pipe	65	0.011	-2.30	-2.36	2.00		1	0.3	0.5
SCB_DS010018	SCB_DS010018	SCB_DS005253	Circular	Pipe	21	0.013	-1.50	-1.80	1.50		1	0.3	0.7
SCB_FDG000044	SCB_FDG000044	HL_DS003806	Circular	Pipe	195	0.024	-3.70	-4.00	1.50		1	0.3	0.6
SCB_FDG000075	SCB_FDG000075	SCB_DS007239	Circular	Pipe	154	0.013	-3.50	-4.00	3.00		1	0.3	0.7
SCB_FDG000114	SCB_FDG000114	BC_DMH000514	Circular	Pipe	193	0.013	-3.60	-4.10	3.00		1	0.3	0.7
SCB_NID12244	SCB_NID12244	SCB_DS007240	Circular	Pipe	16	0.013	-2.00	-2.10	2.00		1	0.3	0.7
SCB_NID12248	SCB_NID12248	SCB_DS007253	Circular	Pipe	16	0.013	-3.00	-3.10	2.00		1	0.3	0.7
SCB_NID14164	SCB_NID14164	SCB_DS007255	Circular	Pipe	16	0.013	-2.80	-3.00	2.00		1	0.3	0.7
SCB_NID15951	SCB_NID15951	SCB_DMH001899	Circular	Pipe	172	0.013	-3.00	-4.00	2.50		1	0.3	0.6
SCB_NID15953	SCB_NID15953	SCB_DMH000301	Circular	Pipe	202	0.013	-3.00	-3.30	2.00		1	0.3	0.7
SCB_VCD000036	SCB_VCD000036	HL_CICW98039	Circular	Pipe	64	0.013	-4.10	-4.40	2.50		1	0.3	2.8
SCB_VCD000038	SCB_VCD000038	SCB_DS007130	Circular	Pipe	12	0.013	-2.00	-2.20	2.00		1	0.3	0.7
SCB_VCD000039	SCB_DMH000255	SCB_DMH001554	Circular	Pipe	61	0.013	-2.70	-3.00	2.50		1	0.3	0.5
SCB_VCD000041	SCB_VCD000041-1	SCB_NID15953	Circular	Pipe	73	0.013	-2.50	-3.00	2.00		1	0.3	0.8
SCB_VCD000042	SCB_DS003835	SCB_DS006396	Circular	Pipe	62	0.013	-1.50	-2.00	2.00		1	0.3	0.8
SCB_VCD000044	SCB_VCD000044	SCB_DS003796	Circular	Pipe	31	0.013	-2.60	-2.70	2.00		1	0.3	0.7
SCB_VCD000046	SCB_DS007156	SCB_DMH001553	Circular	Pipe	87	0.013	-2.50	-2.70	2.00		1	0.3	0.8
HG_DS001601	HG_DS001601	HG_DS003863	Elliptical	Pipe	242	0.024	4.53	4.08	1.00	1.50	1	0.3	0.7
HG_DS004720	HG_DS004720	HG_DS004719	Elliptical	Pipe	26	0.024	4.10	4.00	1.00	1.83	1	0.3	0.2
HG_DS004721	HG_DS004721	HG_DS004724	Elliptical	Pipe	200	0.024	6.27	5.82	1.08	1.83	1	0.3	0.2
HL_DMH000246	HL_DMH000246	HL_DMH000247	Elliptical	Pipe	36	0.013	0.68	-0.09	2.00	3.00	1	0.3	0.2
HL_DMH000942_2	HL_DMH000942	HL_DMH000535	Elliptical	Pipe	17	0.013	2.65	2.58	1.17	1.92	1	0.3	0.2
HL_DMH001425	HL_DMH001425	HL_DS002997	Elliptical	Pipe	30	0.024	-4.79	-5.96	1.83	3.00	1	0.3	0.2
HL_DMH001452	HL_DMH001452	HL_DMH001453	Elliptical	Pipe	211	0.013	-2.50	-3.00	1.83	2.83	1	0.3	0.2
HL_DMH001459_2	HL_DMH001459	HL_DS003808	Elliptical	Pipe	37	0.013	-7.07	-7.08	2.58	4.17	1	0.3	0.2
HL_DMH001516	HL_DMH001516	HL_PS000009	Elliptical	Pipe	42	0.013	-4.50	-5.00	1.25	2.00	2	0.3	1.0
HL_DMH002057	HL_DMH002057	HL_CSL98052	Elliptical	Pipe	32	0.013	-8.54	-8.54	4.00	6.33	1	0.3	1.0
HL_DS002842	HL_DS002842	HL_DS005111	Elliptical	Pipe	181	0.013	-2.06	-2.06	1.92	1.17	1	0.3	0.2
HL_DS003161	HL_DS003161	HL_PS000007	Elliptical	Pipe	38	0.013	-3.58	-4.00	3.00	4.83	1	0.3	1.5
HL_DS003334	HL_DS003334	HL_DS000917	Elliptical	Pipe	388	0.024	-3.58	-4.08	3.00	4.83	1	0.3	0.2
HL_DS003335	HL_DS003335	HL_DS003151	Elliptical	Pipe	49	0.013	-2.80	-3.00	2.00	3.00	1	0.3	0.4
HL_DS003339	HL_DS003339	HL_DS003340	Elliptical	Pipe	190	0.024	-3.58	-3.58	2.58	4.17	1	0.3	0.2
HL_DS003669_1	HL_DS003669	HL_DS003896	Elliptical	Pipe	39	0.024	-2.33	-2.33	3.58	2.25	1	0.3	0.2
HL_DS003670_1	HL_DS003670	HL_DO000408	Elliptical	Pipe	58	0.024	-2.58	-2.60	3.58	2.25	1	0.3	1.0
HL_DS003728	HL_DS003728	HL_DMH000841	Elliptical	Pipe	32	0.024	-4.50	-4.70	2.00	3.16	1	0.3	0.7
HL_DS003743	HL_DS003743	HL_DMH001459	Elliptical	Pipe	36	0.024	-7.08	-7.08	2.25	3.58	1	0.3	0.2
HL_DS003757	HL_DS003757	HL_DS003761	Elliptical	Pipe	25	0.013	-4.90	-5.00	1.50	2.42	1	0.3	0.7

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003761	HL_DS003761	HL_DS003743	Elliptical	Pipe	248	0.024	-5.00	-7.00	2.25	3.58	1	0.3	0.2
HL_DS003772	HL_DS003772	HL_DS003724	Elliptical	Pipe	264	0.024	-4.83	-1.93	1.83	3.00	1	0.3	0.2
HL_DS003808	HL_DS003808	HL_DS003817	Elliptical	Pipe	268	0.024	-7.08	-6.58	2.58	4.17	1	0.3	0.2
HL_DS003817	HL_DS003817	HL_PS000002	Elliptical	Pipe	37	0.024	-6.58	-6.80	2.58	4.17	1	0.3	1.0
HL_DS005111	HL_DS005111	HL_DS005630	Elliptical	Pipe	445	0.013	-2.06	-1.85	1.92	1.17	1	0.3	0.2
HL_DS005940_1	HL_DS005630	HL_DS005940	Elliptical	Pipe	45	0.013	-1.63	-1.63	1.92	1.17	1	0.3	0.5
HL_DS006597	HL_DS006597	HL_DS006595	Elliptical	Pipe	219	0.013	0.15	0.21	2.83	4.42	1	0.3	0.2
HL_DS006599	HL_DS006599	HL_DS006596	Elliptical	Pipe	176	0.013	-3.38	-3.37	3.58	5.67	1	0.3	0.7
HL_DS007748_1	HL_DS007748	HL_DS007749	Elliptical	Pipe	133	0.013	-4.77	-4.78	2.00	3.16	1	0.3	0.2
HL_DS007750_1	HL_DS007750	HL_DS007751	Elliptical	Pipe	153	0.013	-4.78	-4.78	2.00	3.16	1	0.3	0.2
HL_DS008013_1	HL_DS008051	HL_DS008013	Elliptical	Pipe	28	0.024	-1.10	-1.38	2.00	3.00	1	0.3	0.5
HL_FDG000150	HL_FDG000150	HL_DS008902	Elliptical	Pipe	22	0.013	-8.70	-8.80	4.00	6.33	1	0.3	0.2
HL_FDG000155	HL_FDG000155	HL_FDG000150	Elliptical	Pipe	49	0.013	-8.60	-8.70	4.00	6.33	1	0.3	0.2
HL_VCD000005	HL_VCD000005	HL_CSL98052	Elliptical	Pipe	34	0.013	-2.84	-2.84	1.25	2.00	2	0.3	1.0
RP_DM000275	RP_DM000275	RP_DM000447	Elliptical	Pipe	68	0.024	3.58	2.20	1.50	2.42	1	0.3	0.2
RP_DM000419	RP_DM000419	RP_DM000418	Elliptical	Pipe	44	0.013	1.00	0.80	2.00	3.00	1	0.3	0.7
RP_DM000425	RP_DM000425	RP_DM000424	Elliptical	Pipe	39	0.013	0.57	-0.27	2.00	3.00	1	0.3	0.7
RP_DM000430	RP_DM000430	RP_DM000429	Elliptical	Pipe	40	0.013	0.40	-0.89	2.00	3.00	1	0.3	0.7
RP_DM000446	RP_DM000446	RP_DM000445	Elliptical	Pipe	89	0.024	1.62	0.77	1.50	2.42	1	0.3	0.2
RP_DS003175	RP_DS003175	RP_DS003869	Elliptical	Pipe	22	0.024	4.60	4.50	1.08	1.83	1	0.3	0.7
SCB_DM000258	SCB_DM000258	SCB_DM000849	Elliptical	Pipe	40	0.013	-2.50	-2.70	2.00	3.00	1	0.3	0.4
SCB_DM000508	SCB_DM000508	SCB_VCD000055	Elliptical	Pipe	54	0.013	-1.73	-3.69	1.17	1.92	1	0.3	0.2
SCB_DM000558	SCB_DM000558	SCB_FDG000031	Elliptical	Pipe	71	0.013	-3.08	-3.08	3.17	5.00	1	0.3	0.2
SCB_DM001822	SCB_DM001822	SCB_NID14164	Elliptical	Pipe	21	0.013	-3.69	-3.80	1.17	1.92	1	0.3	2.8
SCB_DS003748	SCB_DS003748	SCB_DM000258	Elliptical	Pipe	35	0.013	-2.20	-2.50	2.00	3.00	1	0.3	0.4
SCB_FDG000031	SCB_FDG000031	HL_CICW98038	Elliptical	Pipe	55	0.013	-3.08	-3.08	3.17	5.00	1	0.3	2.8
SCB_NID15950	SCB_NID15950	SCB_DM000558	Elliptical	Pipe	86	0.013	-2.98	-2.98	2.83	4.42	1	0.3	0.7
BC_BAGE999136	BC_AGE999136	PE_CWL98230	Irregular	Bridge	100		-3.00	-2.90					
BC_BDW98903	BC_CDW98903	BC_CDW98902	Irregular	Bridge	100		-14.00	-13.90					
BC_BDW98905	BC_CDW98905	BC_CDW98904	Irregular	Bridge	100		-14.00	-13.90					
BC_BDW98906	BC_CDW98906	BC_CDW98907	Irregular	Bridge	100		-13.90	-14.00					
BC_BICW98060	BC_CICW98060	BC_CICW98059	Irregular	Bridge	100		-13.90	-14.00					
HL_B000375	HL_DO000375	PE_CWL98250	Irregular	Bridge	100		-4.10	-4.00					
HL_BDW98909	HL_CDW98909	HL_CDW98913	Irregular	Bridge	100		-14.00	-13.90					
HL_BDW98910	HL_CDW98910	HL_CDW98911	Irregular	Bridge	100		-14.00	-13.90					
HL_BICW98032	HL_CICW98032	PE_CICW98031	Irregular	Bridge	100		-16.00	-16.10					
HL_BICW98046	HL_CICW98046	HL_CICW98045	Irregular	Bridge	100		-15.00	-15.10					
HL_BWL98155	HL_CWL98155	HL_CWL98150	Irregular	Bridge	100		-3.00	-3.10					
PE_BICW98026	PE_CICW98026	PE_CICW98020	Irregular	Bridge	100		-16.10	-16.00					
BC_CAGE999134	BC_AGE999134	BC_AGE999135	Irregular	Channel	1,250		-3.00	-2.90					
BC_CAGE999135	BC_AGE999135	BC_AGE999136	Irregular	Channel	1,150		-2.00	-2.10					
BC_CAGE999137	BC_AGE999137	BC_AGE999135	Irregular	Channel	1,350		-2.00	-2.10					
BC_CDW98901	BC_CDW98901	BC_CICW98058	Irregular	Channel	820		-14.00	-13.90					
BC_CDW98902	BC_CDW98902	BC_CDW98901	Irregular	Channel	1,180		-13.90	-14.00					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_CDW98903	BC_CDW98903	HL_CDW98910	Irregular	Channel	1,940		-13.90	-14.00					
BC_CDW98904	BC_CDW98904	BC_CDW98901	Irregular	Channel	570		-13.90	-14.00					
BC_CDW98906	BC_CDW98906	BC_CDW98905	Irregular	Channel	2,450		-13.90	-14.00					
BC_CDW98907	BC_CDW98907	HL_CDW98908	Irregular	Channel	1,920		-14.00	-13.90					
BC_CICW98056	BC_CICW98056	HL_CICW98055	Irregular	Channel	2,300		-14.00	-13.90					
BC_CICW98057	BC_CICW98057	BC_CICW98056	Irregular	Channel	1,790		-14.00	-13.90					
BC_CICW98058	BC_CICW98058	BC_CICW98057	Irregular	Channel	1,200		-13.90	-14.00					
BC_CICW98059	BC_CICW98059	BC_CICW98058	Irregular	Channel	1,000		-14.00	-13.90					
BC_CICW98060	BC_CICW98060	BC_CICW98061	Irregular	Channel	500		-13.90	-14.00					
HL_AGE999012	HL_AGE999012	HL_DO000531	Irregular	Channel	350		-4.00	-3.90					
HL_CAGE999110	HL_AGE999110	HL_DO000539	Irregular	Channel	30		-1.00	-1.10					
HL_CAGE999111	HL_AGE999111	HL_AGE999112	Irregular	Channel	210		-3.70	-3.60					
HL_CAGE999112	HL_AGE999112	HL_AGE999113	Irregular	Channel	500		-3.60	-3.70					
HL_CAGE999113	HL_AGE999113	HL_DO000410	Irregular	Channel	500		-3.70	-3.80					
HL_CAGE999114	HL_AGE999114	HL_DO000183	Irregular	Channel	270		-3.90	-4.00					
HL_CAGE999115	HL_AGE999115	HL_DO000401	Irregular	Channel	175		-3.90	-3.85					
HL_CAGE999117	HL_AGE999117	HL_DO000403	Irregular	Channel	450		-3.70	-4.00					
HL_CAGE999119	HL_AGE999119	HL_DO000400	Irregular	Channel	200		-2.20	-4.00					
HL_CDG009297	HL_DG009297	HL_DG009298a	Irregular	Channel	250		-1.90	-2.00					
HL_CDG009298b	HL_DG009298b	HL_DG009299	Irregular	Channel	240		-2.00	-2.10					
HL_CDO000160	HL_DO000160	HL_DO000375	Irregular	Channel	900		-1.60	-1.70					
HL_CDO000184	HL_DO000184	HL_DO000514	Irregular	Channel	475		-3.90	-4.00					
HL_CDO000375	HL_DO000375	HL_CWL98105	Irregular	Channel	1,500		-2.90	-3.00					
HL_CDO000404	HL_DO000404	HL_AGE999116	Irregular	Channel	520		-4.10	-4.00					
HL_CDO000406	HL_DO000406	HL_AGE999111	Irregular	Channel	440		-3.60	-3.70					
HL_CDO000408	HL_DO000408	HL_AGE999117	Irregular	Channel	850		-2.60	-2.70					
HL_CDO000409	HL_DO000409	HL_DO000408	Irregular	Channel	450		-2.70	-2.60					
HL_CDO000410	HL_DO000410	HL_AGE999114	Irregular	Channel	200		-3.80	-3.90					
HL_CDO000423	HL_DO000423	HL_DO000409	Irregular	Channel	130		-2.60	-2.70					
HL_CDO000425	HL_DO000425	HL_DO000432	Irregular	Channel	120		-2.50	-2.60					
HL_CDO000426	HL_DO000426	HL_DO000428	Irregular	Channel	280		-3.20	-3.30					
HL_CDO000428	HL_DO000428	HL_DO000762	Irregular	Channel	350		-3.30	-3.40					
HL_CDO000516_1	HL_DO000516	HL_CWL98150	Irregular	Channel	600		-1.50	-1.60					
HL_CDO000516_2	HL_DO000516	HL_DO000160	Irregular	Channel	300		-1.60	-1.50					
HL_CDO000519	HL_DO000519	HL_AGE999012	Irregular	Channel	1,150		-3.90	-4.00					
HL_CDO000532	HL_DO000532	HL_CWL98109	Irregular	Channel	530		-4.00	-4.10					
HL_CDO000754	HL_DO000754	HL_AGE999073	Irregular	Channel	970		-1.40	-1.50					
HL_CDO000762	HL_DO000762	HL_DO000421	Irregular	Channel	490		-3.40	-3.50					
HL_CDS007263	HL_DS007263	HL_DO000413	Irregular	Channel	440		-2.00	-2.10					
HL_CDS007265	HL_DS007265	HL_AGE999118	Irregular	Channel	580		-2.00	-2.10					
HL_CDW98908_1	HL_CDW98908	HL_CDW98909	Irregular	Channel	800		-13.90	-14.00					
HL_CDW98908_2	HL_CDW98908	HL_CDW98914	Irregular	Channel	1,200		-13.90	-14.00					
HL_CDW98911	HL_CDW98911	HL_CDW98912	Irregular	Channel	540		-13.90	-14.00					
HL_CDW98912	HL_CDW98912	HL_CDW98917	Irregular	Channel	480		-14.00	-13.90					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_CDW98913	HL_CDW98913	HL_CDW98912	Irregular	Channel	780		-13.90	-14.00					
HL_CDW98914	HL_CDW98914	HL_CDW98915	Irregular	Channel	1,180		-14.00	-13.90					
HL_CDW98916	HL_CDW98916	HL_CDW98918	Irregular	Channel	1,400		-13.90	-14.00					
HL_CDW98917	HL_CDW98917	HL_CDW98918	Irregular	Channel	1,100		-13.90	-14.00					
HL_CDW98918	HL_CDW98918	HL_CICW98055	Irregular	Channel	630		-14.00	-13.90					
HL_CICW98033	HL_CICW98033	HL_CICW98032	Irregular	Channel	800		-16.10	-16.00					
HL_CICW98034	HL_CICW98034	HL_CICW98033	Irregular	Channel	2,150		-16.00	-16.10					
HL_CICW98038	HL_CICW98038	HL_CICW98034	Irregular	Channel	2,000		-15.80	-16.00					
HL_CICW98039	HL_CICW98039	HL_CICW98038	Irregular	Channel	650		-15.70	-15.80					
HL_CICW98040	HL_CICW98040	HL_CICW98039	Irregular	Channel	780		-14.50	-15.00					
HL_CICW98044	HL_CICW98044	HL_CICW98040	Irregular	Channel	780		-14.00	-14.50					
HL_CICW98045	HL_CICW98045	HL_CICW98044	Irregular	Channel	960		-15.10	-15.30					
HL_CICW98047	HL_CICW98047	HL_CICW98046	Irregular	Channel	680		-14.80	-15.00					
HL_CICW98050	HL_CICW98050	HL_CICW98047	Irregular	Channel	1,000		-13.00	-15.00					
HL_CICW98053	HL_CICW98053	HL_CICW98050	Irregular	Channel	600		-20.00	-25.00					
HL_CICW98055	HL_CICW98055	HL_CICW98053	Irregular	Channel	325		-14.00	-14.20					
HL_CNL98041	HL_CNL98041	HL_CNL98141	Irregular	Channel	500		-6.40	-6.00					
HL_CNL98042	HL_CNL98042	HL_CNL98142	Irregular	Channel	1,200		-6.70	-7.10					
HL_CNL98141	HL_CNL98141	HL_CICW98040	Irregular	Channel	1,000		-7.00	-12.00					
HL_CNL98142	HL_CNL98142	HL_CNL98041	Irregular	Channel	850		-7.10	-6.40					
HL_CSL98051	HL_CSL98051	HL_CICW98050	Irregular	Channel	1,250		-32.00	-38.00					
HL_CSL98052	HL_CSL98052	HL_CSL98152	Irregular	Channel	950		-13.00	-17.00					
HL_CSL98152	HL_CSL98152	HL_CSL98252	Irregular	Channel	200		-14.70	-14.80					
HL_CSL98252	HL_CSL98252	HL_CSL98051	Irregular	Channel	1,000		-15.00	-17.00					
HL_CWL98100	HL_CWL98100	HL_CWL98101	Irregular	Channel	1,075		-3.10	-3.00					
HL_CWL98101	HL_CWL98101	HL_DO000375	Irregular	Channel	1,325		-3.00	-2.90					
HL_CWL98110_1	HL_CWL98110	HL_CWL98120	Irregular	Channel	1,050		-4.00	-4.10					
HL_CWL98110_3	HL_CWL98110	HL_CWL98109	Irregular	Channel	900		-4.00	-3.95					
HL_CWL98110_4	HL_CWL98109	HL_CWL98100	Irregular	Channel	1,600		-3.95	-3.90					
HL_CWL98120	HL_CWL98120	HL_CICW98038	Irregular	Channel	800		-10.00	-10.10					
HL_CWL98145_1	HL_CWL98145	HL_CWL98100	Irregular	Channel	900		-2.00	-2.10					
HL_CWL98145_2	HL_CWL98145	HL_CWL98150	Irregular	Channel	940		-1.00	-1.10					
HL_CWL98150	HL_CWL98150	HL_CWL98101	Irregular	Channel	900		-3.10	-3.00					
PE_CDO000723	PE_DO000723	PE_CWL98250	Irregular	Channel	550		-1.90	-2.00					
PE_CICW98012	PE_CICW98012	PE_CICW98010	Irregular	Channel	3,375		-42.60	-43.00					
PE_CICW98015	PE_CICW98015	PE_CICW98012	Irregular	Channel	5,925		-42.00	-42.60					
PE_CICW98019	PE_CICW98019	PE_CICW98015	Irregular	Channel	3,370		-16.10	-16.00					
PE_CICW98020	PE_CICW98020	PE_CICW98019	Irregular	Channel	830		-16.00	-16.10					
PE_CICW98028	PE_CICW98028	PE_CICW98026	Irregular	Channel	1,500		-16.00	-16.10					
PE_CICW98029	PE_CICW98029	PE_CICW98028	Irregular	Channel	1,250		-16.10	-16.00					
PE_CICW98030	PE_CICW98030	PE_CICW98029	Irregular	Channel	3,050		-16.00	-16.10					
PE_CICW98031	PE_CICW98031	PE_CICW98030	Irregular	Channel	830		-16.10	-16.00					
PE_CWL98210	PE_CWL98210	PE_CICW98026	Irregular	Channel	2,600		-2.60	-3.00					
PE_CWL98220	PE_CWL98220	PE_CWL98210	Irregular	Channel	1,100		-2.50	-2.60					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
PE_CWL98230	PE_CWL98230	PE_CWL98220	Irregular	Channel	3,500		-2.40	-2.50					
PE_CWL98235	PE_CWL98235	PE_CWL98230	Irregular	Channel	900		-2.40	-2.50					
PE_CWL98240	PE_CWL98240	PE_CWL98230	Irregular	Channel	400		-2.40	-2.50					
PE_CWL98250	PE_CWL98250	PE_CWL98240	Irregular	Channel	1,600		-2.50	-2.40					
PE_CWL98260	PE_CWL98260	PE_CICW98012	Irregular	Channel	500		-14.90	-15.10					
PE_CWL98262	PE_CWL98262	PE_CWL98260	Irregular	Channel	100		-9.90	-10.10					
PE_CWL98265	PE_CWL98265	PE_CWL98262	Irregular	Channel	325		-15.10	-15.20					
PE_CWL98270	PE_CWL98270	PE_CWL98265	Irregular	Channel	694		-15.10	-15.20					
PE_CWL98275	PE_CWL98275	PE_CWL98270	Irregular	Channel	1,320		-15.00	-15.10					
PE_CWL98285	PE_CWL98285	PE_CWL98275	Irregular	Channel	1,085		-14.90	-15.00					
PE_CWL98290	PE_CWL98290	PE_CWL98285	Irregular	Channel	530		-10.10	-9.90					
PE_CWL98295	PE_CWL98295	PE_CWL98290	Irregular	Channel	420		-14.90	-15.00					
PE_CWL98300	PE_CWL98300	PE_CWL98295	Irregular	Channel	100		-13.10	-12.90					
PE_CWL98310	PE_CWL98310	PE_CWL98300	Irregular	Channel	1,308		-15.45	-15.50					
PE_CWL98315	PE_CWL98315	PE_CWL98310	Irregular	Channel	245		-15.40	-15.45					
PE_CWL98320	PE_CWL98320	PE_CWL98315	Irregular	Channel	197		-15.35	-15.40					
PE_CWL98325	PE_CWL98325	PE_CWL98320	Irregular	Channel	132		-15.30	-15.35					
PE_CWL98330	PE_CWL98330	PE_CWL98325	Irregular	Channel	1,020		-15.20	-15.30					
PE_CWL98335	PE_CWL98335	PE_CWL98330	Irregular	Channel	801		-15.10	-15.20					
PE_CWL98345	PE_CWL98345	PE_CWL98335	Irregular	Channel	1,149		-15.00	-15.10					
PE_CWL98350	PE_CICW98019	PE_CWL98345	Irregular	Channel	514		-14.90	-15.00					
BC_AGE999005_O1	HA_NE04C128	HA_NE04C122	Irregular	Overflow	20		3.15	3.10					
BC_AGE999005_O2	HA_NE04C128	HL_DS009553	Irregular	Overflow	20		2.45	2.40					
BC_AGE999005_O3	HA_NE04C128	BC_AGE999080	Irregular	Overflow	20		3.10	3.00					
BC_AGE999005_O4	HA_NE04C128	HL_AGE999009	Irregular	Overflow	20		3.90	3.80					
BC_AGE999079_O1	HA_NE28C058	HA_NE04C122	Irregular	Overflow	20		3.30	3.20					
BC_AGE999079_O2	HA_NE28C058	BC_AGE999107	Irregular	Overflow	20		4.15	4.10					
BC_AGE999080_O	BC_AGE999080	HL_DO000316	Irregular	Overflow	20		3.50	3.40					
BC_AGE999081_O1	HA_NE04C122	HA_NID24	Irregular	Overflow	20		3.30	3.20					
BC_AGE999081_O2	HA_NE04C122	HL_AGE999022	Irregular	Overflow	20		3.90	3.80					
BC_AGE999081_O3	HA_NE04C122	BC_AGE999080	Irregular	Overflow	20		3.10	3.00					
BC_AGE999085_O	BC_AGE999085	BC_DS003964	Irregular	Overflow	20		8.80	8.70					
BC_AGE999090_O1	BC_AGE999090	PE_CWL98220	Irregular	Overflow	20		4.10	4.00					
BC_AGE999090_O2	BC_AGE999090	BC_AGE999099	Irregular	Overflow	20		4.00	3.90					
BC_AGE999090_O3	BC_AGE999090	BC_AGE999138	Irregular	Overflow	20		4.00	3.90					
BC_AGE999091_O	BC_AGE999091	PE_CWL98220	Irregular	Overflow	20		0.80	0.70					
BC_AGE999094_O1	BC_AGE999094	BC_AGE999095	Irregular	Overflow	20		9.60	9.50					
BC_AGE999094_O2	BC_AGE999094	BC_AGE999096	Irregular	Overflow	20		9.95	9.90					
BC_AGE999095_O1	BC_AGE999095	BC_DS005476	Irregular	Overflow	20		8.40	8.30					
BC_AGE999095_O2	BC_AGE999095	BC_DS005989	Irregular	Overflow	20		8.20	8.10					
BC_AGE999095_O3	BC_AGE999095	BC_AGE999102	Irregular	Overflow	20		8.20	8.10					
BC_AGE999096_O	BC_AGE999096	BC_DS005469	Irregular	Overflow	20		9.40	9.30					
BC_AGE999097_O	BC_AGE999097	BC_AGE999099	Irregular	Overflow	20		8.90	8.80					
BC_AGE999098_O	BC_AGE999098	BC_AGE999097	Irregular	Overflow	20		9.80	9.70					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_AGE999099_O BC_AGE999099	BC_AGE999099	PE_CWL98220	Irregular	Overflow			3.40	3.30					
BC_AGE999099_O3 BC_AGE999099	BC_AGE999099	PE_AGE999138	Irregular	Overflow	20		3.00	2.90					
BC_AGE999100_O1 BC_AGE999100	BC_AGE999100	PE_DO000326	Irregular	Overflow	20		4.90	4.80					
BC_AGE999100_O2 BC_AGE999100	BC_AGE999100	BC_AGE999102	Irregular	Overflow	20		4.20	4.10					
BC_AGE999101_O1 BC_DS001700	BC_DS001700	BC_AGE999135	Irregular	Overflow	20		4.40	4.30					
BC_AGE999101_O2 BC_DS001700	BC_DS001700	BC_AGE999101	Irregular	Overflow	20		5.40	5.30					
BC_AGE999101_O3 BC_DS001700	BC_DS001700	PE_DO000326	Irregular	Overflow	20		4.60	4.50					
BC_AGE999102_O1 BC_AGE999102	BC_AGE999102	BC_AGE999099	Irregular	Overflow	20		3.00	2.90					
BC_AGE999102_O2 BC_AGE999102	BC_AGE999102	BC_AGE999133	Irregular	Overflow	20		4.40	4.30					
BC_AGE999103_O1 BC_AGE999103	BC_AGE999103	BC_DS008458	Irregular	Overflow	20		4.00	3.90					
BC_AGE999103_O2 BC_AGE999103	BC_AGE999103	BC_NID10043	Irregular	Overflow	20		4.00	3.90					
BC_AGE999125_O BC_NID10040	BC_NID10040	BC_NID10043	Irregular	Overflow	20		3.55	3.50					
BC_AGE999129_O BC_AGE999129	BC_AGE999129	BC_AGE999130	Irregular	Overflow	20		4.00	3.90					
BC_AGE999130_O1 BC_AGE999130	BC_AGE999130	BC_AGE999131	Irregular	Overflow	20		4.00	3.90					
BC_AGE999130_O2 BC_AGE999130	BC_AGE999130	HL_AGE999073	Irregular	Overflow	20		4.40	4.30					
BC_AGE999131_O BC_AGE999131	BC_AGE999131	PE_AGE999058	Irregular	Overflow	20		3.80	3.70					
BC_AGE999133_O BC_AGE999133	BC_AGE999133	BC_AGE999137	Irregular	Overflow	20		0.25	0.20					
BC_AGE999136_O BC_AGE999136	BC_AGE999136	PE_CWL98230	Irregular	Overflow	20		1.00	0.90					
BC_AGE999138_O1 BC_AGE999138	BC_AGE999138	PE_CWL98220	Irregular	Overflow	20		2.70	2.60					
BC_AGE999138_O2 BC_AGE999138	BC_AGE999138	BC_AGE999091	Irregular	Overflow	20		3.10	3.00					
BC_DS001642_O BC_DS001642	BC_DS001642	BC_DS001648	Irregular	Overflow	20		10.80	10.70					
BC_DS001648_O BC_DS001648	BC_DS001648	BC_DS001828	Irregular	Overflow	20		10.25	10.20					
BC_DS001812_O BC_DS001812	BC_DS001812	BC_DS003964	Irregular	Overflow	20		7.65	7.60					
BC_DS001819_O BC_DS001819	BC_DS001819	BC_DS001812	Irregular	Overflow	20		7.80	7.70					
BC_DS001822_O BC_DS001822	BC_DS001822	BC_DS001819	Irregular	Overflow	20		8.60	8.50					
BC_DS001828_O BC_DS001828	BC_DS001828	BC_DS001822	Irregular	Overflow	20		8.20	8.10					
BC_DS002651_O BC_DS002651	BC_DS002651	PE_CWL98345	Irregular	Overflow	20		3.90	3.85					
BC_DS003964_O BC_DS003964	BC_DS003964	HG_DS003965	Irregular	Overflow	20		7.75	7.70					
BC_DS004561_O BC_DS004561	BC_DS004561	SCB_DS007175	Irregular	Overflow	20		2.95	2.90					
BC_DS005469_O BC_DS005469	BC_DS005469	BC_DS005476	Irregular	Overflow	20		9.30	9.20					
BC_DS005476_O BC_DS005476	BC_DS005476	BC_DS005989	Irregular	Overflow	20		8.10	8.00					
BC_DS005978_O BC_DS005978	BC_DS005978	BC_AGE999397a	Irregular	Overflow	20		10.20	10.10					
BC_DS005989_O1 BC_DS005989	BC_DS005989	RP_DS006497	Irregular	Overflow	20		8.20	8.10					
BC_DS005989_O2 BC_DS005989	BC_DS005989	BC_DS007184	Irregular	Overflow	20		8.05	8.00					
BC_DS007171_O BC_DS007171	BC_DS007171	BC_DS007289	Irregular	Overflow	20		5.30	5.20					
BC_DS007184_O1 BC_DS007184	BC_DS007184	BC_DS008454	Irregular	Overflow	20		6.85	6.80					
BC_DS007289_O2 BC_DS007289	BC_DS007289	PS_DS004687	Irregular	Overflow	20		4.60	4.50					
BC_DS007301_O BC_DS007301	BC_DS007301	BC_DO000999	Irregular	Overflow	20		2.77	2.72					
BC_DS007306_O1 BC_DS007306	BC_DS007306	BC_DS007171	Irregular	Overflow	20		6.60	6.50					
BC_DS007306_O2 BC_DS007306	BC_DS007306	PS_DS004700	Irregular	Overflow	20		6.65	6.60					
BC_DS008454_O1 BC_DS008454	BC_DS008454	BC_DS008458	Irregular	Overflow	20		5.20	5.10					
BC_DS008454_O2 BC_DS008454	BC_DS008454	HL_DMH001579	Irregular	Overflow	20		5.65	5.60					
BC_DS008458_O1 BC_DS008458	BC_DS008458	HL_DMH001582	Irregular	Overflow	20		4.35	4.30					
BC_DS008458_O2 BC_DS008458	BC_DS008458	BC_NID10035	Irregular	Overflow	20		3.85	3.80					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_NID09849_O1	BC_NID09849	HA_NE30C002	Irregular	Overflow	20		2.40	2.30					
BC_NID09849_O2	BC_NID09849	HA_DS010016	Irregular	Overflow	20		2.60	2.50					
BC_NID10037_O	BC_NID10037	BC_NID10038	Irregular	Overflow	20		3.30	3.20					
BC_NID10043_O1	BC_NID10043	HL_DS005490	Irregular	Overflow	20		4.45	4.40					
BC_NID10043_O2	BC_NID10043	BC_AGE999128	Irregular	Overflow	20		3.90	3.80					
BC_NID10043_O3	BC_NID10043	BC_AGE999100	Irregular	Overflow	20		3.60	3.50					
BC_NID12410_O	BC_NID12410	BC_DS004561	Irregular	Overflow	20		2.56	2.51					
HA_DS000576_O	HA_DS000576	HL_DS000575	Irregular	Overflow	20		1.25	1.20					
HA_DS010016_O1	HA_DS010016	HA_DS000576	Irregular	Overflow	20		1.00	0.90					
HA_DS010016_O2	HA_DS010016	HL_DS001619	Irregular	Overflow	20		0.80	0.70					
HA_NE04C069_O	HA_NE04C069	BC_NID09849	Irregular	Overflow	20		3.15	3.10					
HA_NE04C071_O1	HA_NE04C071	HA_NE04C069	Irregular	Overflow	20		3.45	3.40					
HA_NE04C071_O2	HA_NE04C071	HL_DS004576	Irregular	Overflow	20		3.60	3.50					
HA_NE04C076_O1	HA_NE04C076	HA_NE04C079	Irregular	Overflow	20		3.70	3.60					
HA_NE04C077_O1	HA_NE04C077	HA_NE04C082	Irregular	Overflow	20		3.80	3.70					
HA_NE04C077_O2	HA_NE04C077	HA_NE04C076	Irregular	Overflow	20		3.75	3.70					
HA_NE04C079_O1	HA_NE04C079	HA_NE04C084	Irregular	Overflow	20		3.10	3.00					
HA_NE04C079_O2	HA_NE04C079	HA_NE30C010	Irregular	Overflow	20		3.50	3.40					
HA_NE04C082_O1	HA_NE04C082	HA_NE04C071	Irregular	Overflow	20		3.70	3.60					
HA_NE04C082_O2	HA_NE04C082	HA_NE04C084	Irregular	Overflow	20		3.75	3.70					
HA_NE04C084_O	HA_NE04C084	HA_NE04C092	Irregular	Overflow	20		3.35	3.30					
HA_NE04C092_O1	HA_NE04C092	HA_NE30C010	Irregular	Overflow	20		2.80	2.70					
HA_NE04C092_O2	HA_NE04C092	HA_NE04C096	Irregular	Overflow	20		2.75	2.70					
HA_NE04C096_O	HA_NE04C096	HA_NE04C102	Irregular	Overflow	20		2.50	2.40					
HA_NE04C102_O1	HA_NE04C102	HA_NE04C111	Irregular	Overflow	20		2.10	2.00					
HA_NE04C102_O2	HA_NE04C102	HA_NE04C106	Irregular	Overflow	20		2.00	1.90					
HA_NE04C102_O3	HA_NE04C102	HA_NE04C108	Irregular	Overflow	20		2.15	2.10					
HA_NE04C106_O1	HA_NE04C106	HA_NE04C107	Irregular	Overflow	20		2.00	1.90					
HA_NE04C106_O2	HA_NE04C106	HA_DS010016	Irregular	Overflow	20		2.05	2.00					
HA_NE04C108_O1	HA_NE04C108	HA_NE28C044	Irregular	Overflow	20		1.95	1.90					
HA_NE04C108_O2	HA_NE04C108	HA_NE04C107	Irregular	Overflow	20		1.95	1.90					
HA_NE04C108_O3	HA_NE04C108	HA_NE04C112	Irregular	Overflow	20		2.00	1.90					
HA_NE04C111_O	HA_NE04C111	HA_NE04C112	Irregular	Overflow	20		2.25	2.20					
HA_NE04C112_O1	HA_NE04C112	HA_NE28C039	Irregular	Overflow	20		3.10	3.00					
HA_NE04C112_O2	HA_NE04C112	HA_NE04C116	Irregular	Overflow	20		2.95	2.90					
HA_NE04C116_O1	HA_NE04C116	HA_NE04C118	Irregular	Overflow	20		3.40	3.30					
HA_NE04C116_O2	HA_NE04C116	HA_NE04C122	Irregular	Overflow	20		3.20	3.10					
HA_NE04C118_O	HA_NE04C118	HA_DS000576	Irregular	Overflow	20		2.80	2.70					
HA_NE28C039_O	HA_NE28C039	HA_NID132	Irregular	Overflow	20		3.00	2.90					
HA_NE28C045_O	HA_NE28C045	HA_NE04C112	Irregular	Overflow	20		1.90	1.80					
HA_NE28C053_O1	HA_NE28C053	HA_NE28C039	Irregular	Overflow	20		3.00	2.95					
HA_NE28C053_O2	HA_NE28C053	HA_NE04C116	Irregular	Overflow	20		3.00	2.90					
HA_NE28C053_O3	HA_NE28C053	HA_NE28C056	Irregular	Overflow	20		3.15	3.10					
HA_NE28C056_O	HA_NE28C056	HA_NID132	Irregular	Overflow	20		3.15	3.10					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HA_NE28C058_O3	HA_NE28C058	HA_NE28C056	Irregular	Overflow	20		2.90	2.80					
HA_NE30C002_O	HA_NE30C002	HA_NE04C092	Irregular	Overflow	20		2.60	2.50					
HA_NE30C010_O	HA_NE30C010	HA_NE04C096	Irregular	Overflow	20		2.50	2.40					
HA_NID110_O	HA_NID110	HA_NE04C077	Irregular	Overflow	20		4.00	3.90					
HA_NID125_O1	HA_NID125	BC_DS007289	Irregular	Overflow	20		4.40	4.30					
HA_NID125_O2	HA_NID125	HA_NE04C082	Irregular	Overflow	20		5.00	4.90					
HA_NID16_O	HA_NID16	HA_NE04C107	Irregular	Overflow	20		2.55	2.50					
HA_NID17_O	HA_NID17	HA_NE04C112	Irregular	Overflow	20		3.05	3.00					
HA_NID24_O	HA_NID24	HL_DS000575	Irregular	Overflow	20		3.50	3.40					
HG_AGE999031_O	HG_AGE999031	PS_DS004607	Irregular	Overflow	20		7.90	7.80					
HG_AGE999032_O1	HG_AGE999032	HG_DS001614	Irregular	Overflow	20		7.55	7.50					
HG_AGE999032_O2	HG_AGE999032	HG_DS004539	Irregular	Overflow	20		7.60	7.50					
HG_AGE999039_O	HG_AGE999039	HG_DS004290	Irregular	Overflow	20		10.10	10.00					
HG_AGE999042_O	HG_AGE999042	HG_DS005887	Irregular	Overflow	20		10.35	10.30					
HG_AGE999048_O	HG_AGE999048	HG_AGE999052	Irregular	Overflow	20		8.05	8.00					
HG_AGE999052_O	HG_AGE999052	HG_DS001572	Irregular	Overflow	20		7.50	7.40					
HG_DS000515_O1	HG_DS000515	HG_DS007508	Irregular	Overflow	20		9.55	9.50					
HG_DS000515_O2	HG_DS000515	HG_DS004719	Irregular	Overflow	20		9.45	9.40					
HG_DS000567_O	HG_DS000567	HG_DS001834	Irregular	Overflow	20		8.80	8.70					
HG_DS000928_O1	HG_DS000928	HG_DS009353	Irregular	Overflow	20		10.30	10.20					
HG_DS000928_O2	HG_DS000928	HG_DS003030	Irregular	Overflow	20		10.35	10.30					
HG_DS001578_O	HG_DS001578	HG_DS001572	Irregular	Overflow	20		7.30	7.20					
HG_DS001581_O	HG_DS001581	HG_DS000567	Irregular	Overflow	20		9.25	9.20					
HG_DS001612_O1	HG_DS001612	HG_DS001539	Irregular	Overflow	20		7.20	7.10					
HG_DS001612_O2	HG_DS001612	HG_DS001614	Irregular	Overflow	20		6.60	6.50					
HG_DS001613_O1	HG_DS001613	HG_DS004290	Irregular	Overflow	20		10.60	10.50					
HG_DS001613_O2	HG_DS001613	HG_AGE999039	Irregular	Overflow	20		10.75	10.70					
HG_DS001614_O1	HG_DS001614	HG_DS001599	Irregular	Overflow	20		6.95	6.90					
HG_DS001614_O2	HG_DS001614	HG_DS003863	Irregular	Overflow	20		6.95	6.90					
HG_DS001634_O1	HG_DS001634	HG_DS001817	Irregular	Overflow	20		7.80	7.70					
HG_DS001634_O2	HG_DS001634	HG_DS001612	Irregular	Overflow	20		7.10	7.00					
HG_DS001641_O1	HG_DS001641	BC_DS001642	Irregular	Overflow	20		10.75	10.70					
HG_DS001641_O2	HG_DS001641	HG_DS001829	Irregular	Overflow	20		10.80	10.70					
HG_DS001708_O	HG_DS001708	HG_DS004498	Irregular	Overflow	20		8.30	8.20					
HG_DS001817_O	HG_DS001817	BC_DS001819	Irregular	Overflow	20		7.80	7.70					
HG_DS001825_O1	HG_DS001825	HG_DS003965	Irregular	Overflow	20		8.15	8.10					
HG_DS001825_O2	HG_DS001825	HG_DS001539	Irregular	Overflow	20		7.90	7.80					
HG_DS001826_O	HG_DS001826	HG_DS001825	Irregular	Overflow	20		8.00	7.90					
HG_DS001829_O1	HG_DS001829	BC_DS001828	Irregular	Overflow	20		8.40	8.30					
HG_DS001829_O2	HG_DS001829	HG_DS004701	Irregular	Overflow	20		8.25	8.20					
HG_DS001834_O1	HG_DS001834	HG_DS009059	Irregular	Overflow	20		7.85	7.80					
HG_DS001834_O2	HG_DS001834	HG_AGE999048	Irregular	Overflow	20		8.10	8.00					
HG_DS003030_O1	HG_DS003030	HG_DS000515	Irregular	Overflow	20		10.20	10.10					
HG_DS003030_O2	HG_DS003030	HG_DS003342	Irregular	Overflow	20		10.30	10.20					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS003342_O	HG_DS003342	HG_DS003968	Irregular	Overflow	20		8.60	8.50					
HG_DS003687_O1	HG_DS003687	HG_DS004701	Irregular	Overflow	20		7.90	7.80					
HG_DS003687_O2	HG_DS003687	HG_DS001612	Irregular	Overflow	20		7.60	7.50					
HG_DS003687_O3	HG_DS003687	HG_AGE999032	Irregular	Overflow	20		7.60	7.50					
HG_DS003851_O1	HG_DS003851	HG_DS001708	Irregular	Overflow	20		8.40	8.30					
HG_DS003851_O2	HG_DS003851	HG_DS004493	Irregular	Overflow	20		8.50	8.40					
HG_DS003861_O	HG_DS003861	HG_DS003851	Irregular	Overflow	20		8.50	8.40					
HG_DS003863_O1	HG_DS003863	HG_DS001599	Irregular	Overflow	20		6.90	6.80					
HG_DS003863_O2	HG_DS003863	HG_DS004534	Irregular	Overflow	20		6.80	6.70					
HG_DS003965_O	HG_DS003965	HG_DS001539	Irregular	Overflow	20		7.85	7.80					
HG_DS003968_O	HG_DS003968	HG_DS004721	Irregular	Overflow	20		8.75	8.70					
HG_DS004287_O	HG_DS004287	HG_DS004441	Irregular	Overflow	20		8.00	7.90					
HG_DS004290_O1	HG_DS004290	HG_DS001829	Irregular	Overflow	20		8.50	8.40					
HG_DS004290_O2	HG_DS004290	HG_DS004701	Irregular	Overflow	20		8.10	8.00					
HG_DS004290_O3	HG_DS004290	HG_DS003687	Irregular	Overflow	20		7.70	7.60					
HG_DS004290_O4	HG_DS004290	HG_AGE999032	Irregular	Overflow	20		7.75	7.70					
HG_DS004290_O5	HG_DS004290	HG_DS004544	Irregular	Overflow	20		7.80	7.70					
HG_DS004425_O	HG_DS004425	HG_DS004618	Irregular	Overflow	20		7.80	7.70					
HG_DS004441_O1	HG_DS004441	PS_DS004442	Irregular	Overflow	20		8.10	8.00					
HG_DS004441_O2	HG_DS004441	HG_DS004425	Irregular	Overflow	20		7.75	7.70					
HG_DS004454_O1	HG_DS004454	HG_DS001826	Irregular	Overflow	20		9.00	8.90					
HG_DS004454_O2	HG_DS004454	HG_DS004494	Irregular	Overflow	20		8.60	8.50					
HG_DS004470_O1	HG_DS004470	HG_DS001581	Irregular	Overflow	20		9.45	9.40					
HG_DS004470_O2	HG_DS004470	HG_DS001834	Irregular	Overflow	20		9.55	9.50					
HG_DS004470_O3	HG_DS004470	HG_DS003861	Irregular	Overflow	20		9.55	9.50					
HG_DS004493_O	HG_DS004493	HG_DS004638	Irregular	Overflow	20		8.60	8.50					
HG_DS004494_O	HG_DS004494	HG_DS004634	Irregular	Overflow	20		8.80	8.70					
HG_DS004498_O1	HG_DS004498	HG_DS001578	Irregular	Overflow	20		8.90	8.80					
HG_DS004498_O2	HG_DS004498	HG_DS004454	Irregular	Overflow	20		8.65	8.60					
HG_DS004513_O1	HG_DS004513	HG_DS009059	Irregular	Overflow	20		8.45	8.40					
HG_DS004513_O2	HG_DS004513	HG_DS001834	Irregular	Overflow	20		8.65	8.60					
HG_DS004513_O3	HG_DS004513	HG_DS000567	Irregular	Overflow	20		8.60	8.50					
HG_DS004514_O1	HG_DS004514	HG_DS009059	Irregular	Overflow	20		8.50	8.40					
HG_DS004514_O2	HG_DS004514	HG_DS004544	Irregular	Overflow	20		8.70	8.60					
HG_DS004515_O	HG_DS004515	HG_DS004537	Irregular	Overflow	20		7.50	7.40					
HG_DS004534_O1	HG_DS004534	HG_DS004537	Irregular	Overflow	20		6.95	6.90					
HG_DS004534_O2	HG_DS004534	HG_DS001572	Irregular	Overflow	20		6.95	6.90					
HG_DS004537_O	HG_DS004537	HG_DS001572	Irregular	Overflow	20		7.00	6.90					
HG_DS004539_O1	HG_DS004539	HG_DS001614	Irregular	Overflow	20		7.20	7.10					
HG_DS004539_O2	HG_DS004539	HG_DS004534	Irregular	Overflow	20		7.25	7.20					
HG_DS004539_O3	HG_DS004539	HG_DS004537	Irregular	Overflow	20		7.20	7.10					
HG_DS004544_O1	HG_DS004544	HG_DS009059	Irregular	Overflow	20		7.75	7.70					
HG_DS004544_O2	HG_DS004544	HG_DS004515	Irregular	Overflow	20		7.65	7.60					
HG_DS004618_O1	HG_DS004618	PS_DS004617	Irregular	Overflow	20		7.90	7.80					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HG_DS004618_O2	HG_DS004618	HG_AGE999031	Irregular	Overflow	20		7.95	7.90					
HG_DS004625_O1	HG_DS004625	HG_DS008833	Irregular	Overflow	20		8.30	8.20					
HG_DS004633_O1	HG_DS004633	HG_DS004493	Irregular	Overflow	20		8.65	8.60					
HG_DS004633_O2	HG_DS004633	HG_DS004625	Irregular	Overflow	20		8.55	8.50					
HG_DS004634_O1	HG_DS004634	HG_DS004633	Irregular	Overflow	20		8.90	8.80					
HG_DS004634_O2	HG_DS004634	HG_DS004626	Irregular	Overflow	20		8.75	8.70					
HG_DS004638_O	HG_DS004638	HG_DS004498	Irregular	Overflow	20		8.30	8.20					
HG_DS004701_O	HG_DS004701	HG_DS001634	Irregular	Overflow	20		7.80	7.70					
HG_DS004719_O1	HG_DS004719	HG_DS004721	Irregular	Overflow	20		8.75	8.70					
HG_DS004719_O2	HG_DS004719	HG_DS004766	Irregular	Overflow	20		8.60	8.50					
HG_DS004766_O1	HG_DS004766	HG_DS004626	Irregular	Overflow	20		8.85	8.80					
HG_DS004766_O2	HG_DS004766	HG_DS004625	Irregular	Overflow	20		8.70	8.60					
HG_DS005659_O	HG_DS005659	HG_DS003861	Irregular	Overflow	20		9.85	9.80					
HG_DS005825_O1	HG_DS005825	HG_DS003851	Irregular	Overflow	20		8.40	8.30					
HG_DS005825_O2	HG_DS005825	HG_DS004625	Irregular	Overflow	20		8.45	8.40					
HG_DS005887_O1	HG_DS005887	HG_DS005825	Irregular	Overflow	20		8.55	8.50					
HG_DS005887_O2	HG_DS005887	HG_DS008140	Irregular	Overflow	20		8.35	8.30					
HG_DS007508_O1	HG_DS007508	HG_DS005825	Irregular	Overflow	20		9.20	9.10					
HG_DS007508_O2	HG_DS007508	HG_DS004766	Irregular	Overflow	20		9.35	9.30					
HG_DS008140_O1	HG_DS008140	HG_DS003861	Irregular	Overflow	20		8.60	8.50					
HG_DS008140_O2	HG_DS008140	HG_DS003851	Irregular	Overflow	20		8.10	8.00					
HG_DS008833_O	HG_DS008833	HG_DS003851	Irregular	Overflow	20		8.20	8.10					
HG_DS009059_O	HG_DS009059	HG_DS004515	Irregular	Overflow	20		7.60	7.50					
HG_DS009064_O	HG_DS009064	HG_DS008140	Irregular	Overflow	20		9.65	9.60					
HG_DS009353_O1	HG_DS009353	HG_DS000515	Irregular	Overflow	20		10.50	10.40					
HG_DS009353_O2	HG_DS009353	HG_AGE999042	Irregular	Overflow	20		10.30	10.20					
HL_AGE999005_O	HL_AGE999005	HL_DS003677	Irregular	Overflow	20		1.00	0.90					
HL_AGE999010_O1	HL_AGE999010	HL_DS004334	Irregular	Overflow	20		1.80	1.70					
HL_AGE999010_O2	HL_AGE999010	HL_DS008465	Irregular	Overflow	20		2.00	1.90					
HL_AGE999011_O	HL_AGE999011	HL_AGE999014	Irregular	Overflow	20		3.20	3.10					
HL_AGE999014_O	HL_AGE999014	HL_AGE999010	Irregular	Overflow	20		2.90	2.80					
HL_AGE999022_O	HL_AGE999022	HL_DO000314	Irregular	Overflow	20		3.30	3.20					
HL_AGE999027_O	HL_AGE999027	HL_DS005666	Irregular	Overflow	20		5.70	5.60					
HL_AGE999028_O1	HL_AGE999028	HL_DS005666	Irregular	Overflow	20		4.55	4.50					
HL_AGE999028_O2	HL_AGE999028	HL_DS005560	Irregular	Overflow	20		4.40	4.30					
HL_AGE999033_O	HL_AGE999033	HL_DS008051	Irregular	Overflow	20		2.00	1.90					
HL_AGE999034_O1	HL_AGE999034	HL_DS001801	Irregular	Overflow	20		4.00	3.90					
HL_AGE999034_O2	HL_AGE999034	HL_AGE999069	Irregular	Overflow	20		4.00	3.90					
HL_AGE999036_O	HL_AGE999036	HL_DO000410	Irregular	Overflow	20		2.55	2.50					
HL_AGE999037_O1	HL_AGE999037	HL_DS003270	Irregular	Overflow	20		4.45	4.40					
HL_AGE999037_O2	HL_AGE999037	HL_DS004635	Irregular	Overflow	20		4.20	4.10					
HL_AGE999046_O	HL_AGE999046	HL_DM001441	Irregular	Overflow	20		3.50	3.40					
HL_AGE999047_O	HL_AGE999047	HL_DM001866	Irregular	Overflow	20		3.90	3.80					
HL_AGE999049_O1	HL_AGE999049	HL_AGE999037	Irregular	Overflow	20		4.75	4.70					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_AGE999049_O2	HL_AGE999049	HL_DS008090	Irregular	Overflow	20		4.70	4.60					
HL_AGE999053_O	HL_AGE999053	HL_DS003119	Irregular	Overflow	20		2.60	2.50					
HL_AGE999062_O	HL_AGE999062	HL_DS003074	Irregular	Overflow	20		2.10	2.00					
HL_AGE999065_O	HL_AGE999065	HL_DS001771	Irregular	Overflow	20		2.80	2.70					
HL_AGE999067_O	HL_AGE999067	HL_AGE999046	Irregular	Overflow	20		4.30	4.20					
HL_AGE999068_O	HL_AGE999068	HL_DS001554	Irregular	Overflow	20		2.35	2.30					
HL_AGE999069_O	HL_AGE999069	HL_DS001593	Irregular	Overflow	20		3.40	3.30					
HL_AGE999070_O1	HL_AGE999070	HL_AGE999071	Irregular	Overflow	20		4.30	4.20					
HL_AGE999070_O2	HL_AGE999070	HL_AGE999074	Irregular	Overflow	20		4.30	4.20					
HL_AGE999071_O1	HL_AGE999071	HL_DMH001866	Irregular	Overflow	20		3.85	3.80					
HL_AGE999071_O2	HL_AGE999071	HL_AGE999053	Irregular	Overflow	20		3.80	3.70					
HL_AGE999071_O3	HL_AGE999071	HL_AGE999072	Irregular	Overflow	20		3.80	3.70					
HL_AGE999072_O	HL_AGE999072	HL_DS003074	Irregular	Overflow	20		2.25	2.20					
HL_AGE999073_O	HL_AGE999073	HL_DG009297	Irregular	Overflow	20		3.50	3.40					
HL_AGE999074_O1	HL_AGE999074	HL_AGE999071	Irregular	Overflow	20		3.80	3.70					
HL_AGE999074_O2	HL_AGE999074	HL_AGE999072	Irregular	Overflow	20		3.60	3.50					
HL_AGE999115_O	HL_AGE999115	PE_AGE999016	Irregular	Overflow	20		2.60	2.50					
HL_AGE999117_O	HL_AGE999117	HL_AGE999120	Irregular	Overflow	20		2.20	2.10					
HL_CWL98105_O	HL_CWL98105	HL_CICW98033	Irregular	Overflow	20		1.50	1.40					
HL_DG009299_O	HL_DG009299	HL_DO000515	Irregular	Overflow	20		2.30	2.20					
HL_DMH000212_O:HL_DMH000212	HL_DMH000212	HL_DMH000213	Irregular	Overflow	20		6.10	6.00					
HL_DMH000212_O:HL_DMH000212	HL_DMH000212	HL_DS005669	Irregular	Overflow	20		6.65	6.60					
HL_DMH000213_O:HL_DMH000213	HL_DMH000213	HL_DS009508	Irregular	Overflow	20		6.25	6.20					
HL_DMH000213_O:HL_DMH000213	HL_DMH000213	HL_DS005648	Irregular	Overflow	20		5.80	5.70					
HL_DMH000219_O:HL_DMH000219	HL_DMH000219	HL_DS005650	Irregular	Overflow	20		5.95	5.90					
HL_DMH000219_O:HL_DMH000219	HL_DMH000219	HL_DS005674	Irregular	Overflow	20		6.20	6.10					
HL_DMH000230_O:HL_DMH000230	HL_DMH000230	HL_DS002944	Irregular	Overflow	20		1.80	1.70					
HL_DMH000230_O:HL_DMH000230	HL_DMH000230	HL_DS002951	Irregular	Overflow	20		1.85	1.80					
HL_DMH000230_O:HL_DMH000230	HL_DMH000230	HL_DS002932	Irregular	Overflow	20		1.80	1.70					
HL_DMH000235_O:HL_DMH000235	HL_DMH000235	HL_DS002875	Irregular	Overflow	20		1.75	1.70					
HL_DMH000235_O:HL_DMH000235	HL_DMH000235	HL_DS003707	Irregular	Overflow	20		1.60	1.50					
HL_DMH000237_O:HL_DMH000237	HL_DMH000237	HL_DS008467	Irregular	Overflow	20		1.75	1.70					
HL_DMH000237_O:HL_DMH000237	HL_DMH000237	HL_DS004343	Irregular	Overflow	20		1.45	1.40					
HL_DMH000238_O	HL_DMH000238	HL_DS004341	Irregular	Overflow	20		5.55	5.50					
HL_DMH000239_O	HL_DMH000239	HL_DMH000238	Irregular	Overflow	20		6.05	6.00					
HL_DMH000264_O:HL_DMH000264	HL_DMH000264	HL_DS004385	Irregular	Overflow	20		0.45	0.40					
HL_DMH000264_O:HL_DMH000264	HL_DMH000264	HL_DS005773	Irregular	Overflow	20		0.80	0.70					
HL_DMH000264_O:HL_DMH000264	HL_DMH000264	HL_DS003757	Irregular	Overflow	20		1.90	1.80					
HL_DMH000270_O:HL_DMH000270	HL_DMH000270	HL_DMH000852	Irregular	Overflow	20		1.45	1.40					
HL_DMH000270_O:HL_DMH000270	HL_DMH000270	HL_DS002894	Irregular	Overflow	20		1.55	1.50					
HL_DMH000307_O	HL_DMH000307	HL_DS008164	Irregular	Overflow	20		2.20	2.10					
HL_DMH000315_O	HL_DMH000315	HL_DS003145	Irregular	Overflow	20		1.85	1.80					
HL_DMH000340_O:HL_DMH000340	HL_DMH000340	HL_DS004635	Irregular	Overflow	20		5.45	5.40					
HL_DMH000340_O:HL_DMH000340	HL_DMH000340	HL_AGE999047	Irregular	Overflow	20		5.45	5.40					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DMH000402_O HL_DMH000402	HL_DS006457	Irregular	Overflow	20			6.80	6.70					
HL_DMH000494_O HL_DMH000494	HL_DS001778	Irregular	Overflow	20			4.60	4.50					
HL_DMH000505_O:HL_DMH000505	BC_AGE999105	Irregular	Overflow	20			5.50	5.40					
HL_DMH000505_O:HL_DMH000505	HL_DS002471	Irregular	Overflow	20			4.80	4.70					
HL_DMH000524_O HL_DMH000524	HL_DS003969	Irregular	Overflow	20			6.10	6.00					
HL_DMH000536_O HL_DMH000536	HL_DO000515	Irregular	Overflow	20			4.90	4.80					
HL_DMH000837_O HL_DMH000837	HL_DMH000861	Irregular	Overflow	20			1.35	1.30					
HL_DMH000842_O HL_DMH000842	HL_DS007116	Irregular	Overflow	20			1.25	1.20					
HL_DMH000845_O HL_DMH000845	HL_DS002998	Irregular	Overflow	20			0.50	0.40					
HL_DMH000850_O:HL_DMH000850	HL_DMH000847	Irregular	Overflow	20			0.85	0.80					
HL_DMH000850_O:HL_DMH000850	HL_DS002451	Irregular	Overflow	20			1.05	1.00					
HL_DMH000850_O:HL_DMH000850	HL_DS002453	Irregular	Overflow	20			0.90	0.80					
HL_DMH000850_O:HL_DMH000850	HL_DMH000856	Irregular	Overflow	20			1.05	1.00					
HL_DMH000852_O:HL_DMH000852	HL_DS000450	Irregular	Overflow	20			1.95	1.90					
HL_DMH000852_O:HL_DMH000852	HL_DS003749	Irregular	Overflow	20			1.70	1.60					
HL_DMH000860_O HL_DMH000860	HL_DS002979	Irregular	Overflow	20			2.00	1.90					
HL_DMH000861_O:HL_DMH000861	HL_DMH000860	Irregular	Overflow	20			1.40	1.30					
HL_DMH000861_O:HL_DMH000861	HL_DS002990	Irregular	Overflow	20			1.95	1.90					
HL_DMH000885_O HL_DMH000885	HL_DS000672	Irregular	Overflow	20			4.60	4.50					
HL_DMH000889_O HL_DMH000889	HL_DS000675	Irregular	Overflow	20			5.00	4.90					
HL_DMH000930_O HL_DMH000930	HL_DS001715	Irregular	Overflow	20			5.40	5.30					
HL_DMH001431_O:HL_DMH001431	HL_AGE999046	Irregular	Overflow	20			3.95	3.90					
HL_DMH001431_O:HL_DMH001431	HL_DS007601	Irregular	Overflow	20			3.95	3.90					
HL_DMH001431_O:HL_DMH001431	HL_DS007604	Irregular	Overflow	20			3.80	3.70					
HL_DMH001441_O HL_DMH001441	HL_DMH001445	Irregular	Overflow	20			1.60	1.50					
HL_DMH001445_O HL_DMH001445	HL_DMH001446	Irregular	Overflow	20			1.50	1.40					
HL_DMH001445_O:HL_DMH001445	HL_DMH001556	Irregular	Overflow	20			1.75	1.70					
HL_DMH001446_O:HL_DMH001446	HL_DS003061	Irregular	Overflow	20			1.35	1.30					
HL_DMH001446_O:HL_DMH001446	HL_DS005812	Irregular	Overflow	20			1.35	1.30					
HL_DMH001449_O HL_DMH001449	HL_DMH001448	Irregular	Overflow	20			1.45	1.40					
HL_DMH001451_O:HL_DMH001451	HL_DS007701	Irregular	Overflow	20			1.45	1.40					
HL_DMH001451_O:HL_DMH001451	HL_DS007699	Irregular	Overflow	20			1.40	1.35					
HL_DMH001451_O:HL_DMH001451	HL_DMH001452	Irregular	Overflow	20			1.30	1.20					
HL_DMH001452_O:HL_DMH001452	HL_DS007708	Irregular	Overflow	20			1.25	1.20					
HL_DMH001452_O:HL_DMH001452	HL_DS007707	Irregular	Overflow	20			1.30	1.20					
HL_DMH001454_O HL_DMH001454	HL_DMH001455	Irregular	Overflow	20			1.10	1.00					
HL_DMH001455_O:HL_DMH001455	HL_DS003827	Irregular	Overflow	20			0.80	0.70					
HL_DMH001455_O:HL_DMH001455	HL_DS003762	Irregular	Overflow	20			0.80	0.70					
HL_DMH001457_O HL_DMH001457	HL_DMH001458	Irregular	Overflow	20			0.70	0.60					
HL_DMH001461_O:HL_DMH001461	HL_DS003807	Irregular	Overflow	20			0.40	0.30					
HL_DMH001461_O:HL_DMH001461	HL_DS003743	Irregular	Overflow	20			0.50	0.40					
HL_DMH001461_O:HL_DMH001461	HL_DMH000285	Irregular	Overflow	20			0.20	0.10					
HL_DMH001523_O:HL_DMH001523	HL_AGE999067	Irregular	Overflow	20			5.05	5.00					
HL_DMH001523_O:HL_DMH001523	HL_AGE999046	Irregular	Overflow	20			4.95	4.90					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DM001528_O:HL_DM001528	HL_DS009046	HL_DS009046	Irregular	Overflow	20		1.90	1.80					
HL_DM001528_O:HL_DM001528	HL_DS007524	HL_DS007524	Irregular	Overflow	20		1.60	1.50					
HL_DM001528_O:HL_DM001528	HL_DS002950	HL_DS002950	Irregular	Overflow	20		1.60	1.50					
HL_DM001528_O:HL_DM001528	HL_DS002947	HL_DS002947	Irregular	Overflow	20		1.70	1.60					
HL_DM001556_O:HL_DM001556	HL_DS007153	HL_DS007153	Irregular	Overflow	20		2.05	2.00					
HL_DM001556_O:HL_DM001556	HL_DS003074	HL_DS003074	Irregular	Overflow	20		1.65	1.60					
HL_DM001556_O:HL_DM001556	HL_DS003064	HL_DS003064	Irregular	Overflow	20		1.75	1.70					
HL_DM001568_O:HL_DM001568	HL_DS008421	HL_DS008421	Irregular	Overflow	20		5.60	5.50					
HL_DM001575_O:HL_DM001575	HL_DS006314	HL_DS006314	Irregular	Overflow	20		8.05	8.00					
HL_DM001575_O:HL_DM001575	HL_DS008452	HL_DS008452	Irregular	Overflow	20		7.85	7.80					
HL_DM001579_O:HL_DM001579	HL_DM001582	HL_DM001582	Irregular	Overflow	20		5.30	5.20					
HL_DM001579_O:HL_DM001579	HL_DS008412	HL_DS008412	Irregular	Overflow	20		5.65	5.60					
HL_DM001582_O:HL_DM001582	HL_DS008445	HL_DS008445	Irregular	Overflow	20		5.10	5.00					
HL_DM001582_O:HL_DM001582	HL_DS008426	HL_DS008426	Irregular	Overflow	20		5.05	5.00					
HL_DM001639_O:HL_DM001639	HL_DS007191	HL_DS007191	Irregular	Overflow	20		5.70	5.60					
HL_DM001639_O:HL_DM001639	HL_DS004540	HL_DS004540	Irregular	Overflow	20		4.90	4.80					
HL_DM001866_O:HL_DM001866	HL_DM001868	HL_DM001868	Irregular	Overflow	20		2.10	2.00					
HL_DM001868_O:HL_DM001868	HL_DS003119	HL_DS003119	Irregular	Overflow	20		2.10	2.00					
HL_DM001868_O:HL_DM001868	HL_DS007765	HL_DS007765	Irregular	Overflow	20		1.90	1.80					
HL_DM001891_O:HL_DM001891	HL_DM000239	HL_DM000239	Irregular	Overflow	20		6.00	5.90					
HL_DM001896_O:HL_DM001896	HL_DM001431	HL_DM001431	Irregular	Overflow	20		4.30	4.20					
HL_DM001896_O:HL_DM001896	HL_DS007241	HL_DS007241	Irregular	Overflow	20		5.00	4.90					
HL_DM002048_O:HL_DM002048	HL_DS007601	HL_DS007601	Irregular	Overflow	20		2.95	2.90					
HL_DM002048_O:HL_DM002048	HL_DS004764	HL_DS004764	Irregular	Overflow	20		3.30	3.20					
HL_DM002050_O:HL_DM002050	HL_DM001445	HL_DM001445	Irregular	Overflow	20		1.90	1.80					
HL_DM002054_O:HL_DM002054	HL_DS003115	HL_DS003115	Irregular	Overflow	20		2.70	2.60					
HL_DO000214_O:HL_DO000214	HL_DO000844	HL_DO000844	Irregular	Overflow	20		4.25	4.20					
HL_DO000235_O:HL_DO000235	HL_DO000232	HL_DO000232	Irregular	Overflow	20		1.20	1.10					
HL_DO000308_O1:HL_DO000308	HL_DS007172	HL_DS007172	Irregular	Overflow	20		2.90	2.80					
HL_DO000308_O2:HL_DO000308	HL_DO000314	HL_DO000314	Irregular	Overflow	20		3.30	3.20					
HL_DO000314_O:HL_DO000314	HL_DS003340	HL_DS003340	Irregular	Overflow	20		3.05	3.00					
HL_DO000316_O:HL_DO000316	HL_DO000313	HL_DO000313	Irregular	Overflow	20		3.50	3.40					
HL_DO000400_O:HL_DO000400	HL_DO000410	HL_DO000410	Irregular	Overflow	20		3.20	3.10					
HL_DO000401_O1:HL_DO000401	HL_AGE999114	HL_AGE999114	Irregular	Overflow	20		2.55	2.50					
HL_DO000403_O:HL_DO000403	PE_AGE999016	PE_AGE999016	Irregular	Overflow	20		3.00	2.90					
HL_DO000404_O:HL_DO000404	PE_AGE999016	PE_AGE999016	Irregular	Overflow	20		2.70	2.60					
HL_DO000413_O:HL_DO000413	HL_SDS007264	HL_SDS007264	Irregular	Overflow	20		4.10	4.00					
HL_DO000421_O:HL_DO000421	HL_DO000424	HL_DO000424	Irregular	Overflow	20		2.85	2.80					
HL_DO000424_O:HL_DO000424	HL_DO000406	HL_DO000406	Irregular	Overflow	20		2.35	2.30					
HL_DO000432_O:HL_DO000432	HL_DO000426	HL_DO000426	Irregular	Overflow	20		2.45	2.40					
HL_DO000473_O:HL_DO000473	HL_DO000381	HL_DO000381	Irregular	Overflow	20		5.40	5.30					
HL_DO000515_O1:HL_DO000515	HL_AGE999013	HL_AGE999013	Irregular	Overflow	20		2.00	1.90					
HL_DO000515_O2:HL_DO000515	HL_CWL98155	HL_CWL98155	Irregular	Overflow	20		-0.80	-0.90					
HL_DO000539_O:HL_DO000539	HL_AGE999012	HL_AGE999012	Irregular	Overflow	20		3.15	3.10					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DO000845_O	HL_DO000845	HL_DO000844	Irregular	Overflow	20		3.90	3.80					
HL_DS000363_O1	HL_DS000363	HL_DS004385	Irregular	Overflow	20		0.70	0.60					
HL_DS000363_O2	HL_DS000363	HL_DS000474	Irregular	Overflow	20		0.70	0.60					
HL_DS000364_O1	HL_DS000364	HL_DS000441	Irregular	Overflow	20		1.20	1.10					
HL_DS000364_O2	HL_DS000364	HL_DS004387	Irregular	Overflow	20		1.15	1.10					
HL_DS000365_O	HL_DS000365	HL_DS000364	Irregular	Overflow	20		1.10	1.00					
HL_DS000441_O1	HL_DS000441	HL_DS004387	Irregular	Overflow	20		1.15	1.10					
HL_DS000441_O2	HL_DS000441	HL_DS000443	Irregular	Overflow	20		1.20	1.10					
HL_DS000443_O	HL_DS000443	HL_DMH000860	Irregular	Overflow	20		1.30	1.20					
HL_DS000447_O1	HL_DS000447	HL_DS007138	Irregular	Overflow	20		1.60	1.50					
HL_DS000447_O2	HL_DS000447	HL_DS000450	Irregular	Overflow	20		1.60	1.50					
HL_DS000447_O3	HL_DS000447	HL_DMH000267	Irregular	Overflow	20		1.80	1.70					
HL_DS000456_O1	HL_DS000456	HL_DS000447	Irregular	Overflow	20		1.65	1.60					
HL_DS000456_O2	HL_DS000456	HL_DS004397	Irregular	Overflow	20		1.60	1.50					
HL_DS000474_O	HL_DS000474	HL_DS004390	Irregular	Overflow	20		0.70	0.60					
HL_DS000483_O1	HL_DS000483	HL_DMH000856	Irregular	Overflow	20		1.15	1.10					
HL_DS000483_O2	HL_DS000483	HL_DS004387	Irregular	Overflow	20		1.00	0.90					
HL_DS000483_O3	HL_DS000483	HL_DMH000860	Irregular	Overflow	20		1.20	1.10					
HL_DS000509_O1	HL_DS000509	HL_DS004384	Irregular	Overflow	20		0.50	0.40					
HL_DS000509_O2	HL_DS000509	HL_DS004389	Irregular	Overflow	20		0.50	0.40					
HL_DS000557_O	HL_DS000557	HL_DS007317	Irregular	Overflow	20		5.20	5.10					
HL_DS000558_O1	HL_DS000558	HL_DMH000889	Irregular	Overflow	20		4.75	4.70					
HL_DS000558_O2	HL_DS000558	HL_DS000657	Irregular	Overflow	20		5.30	5.20					
HL_DS000560_O	HL_DS000560	HL_DS000557	Irregular	Overflow	20		5.20	5.10					
HL_DS000575_O	HL_DS000575	HL_DS007172	Irregular	Overflow	20		0.80	0.70					
HL_DS000656_O	HL_DS000656	HL_DS000665	Irregular	Overflow	20		4.80	4.70					
HL_DS000657_O	HL_DS000657	HL_DMH000889	Irregular	Overflow	20		5.00	4.90					
HL_DS000665_O1	HL_DS000665	HL_DS000677	Irregular	Overflow	20		5.00	4.90					
HL_DS000665_O2	HL_DS000665	HL_DMH000889	Irregular	Overflow	20		4.80	4.70					
HL_DS000672_O	HL_DS000672	HL_DS000665	Irregular	Overflow	20		4.55	4.50					
HL_DS000675_O	HL_DS000675	HL_DS000557	Irregular	Overflow	20		5.10	5.00					
HL_DS000677_O	HL_DS000677	HL_DS000560	Irregular	Overflow	20		4.95	4.90					
HL_DS000678_O	HL_DS000678	HL_DS000684	Irregular	Overflow	20		5.20	5.10					
HL_DS000684_O1	HL_DS000684	HL_DS000685	Irregular	Overflow	20		5.10	5.00					
HL_DS000684_O2	HL_DS000684	HL_DS000558	Irregular	Overflow	20		5.40	5.30					
HL_DS000685_O	HL_DS000685	HL_DS000678	Irregular	Overflow	20		4.80	4.70					
HL_DS000689_O1	HL_DS000689	HL_DS000709	Irregular	Overflow	20		4.90	4.80					
HL_DS000689_O2	HL_DS000689	HL_DS000908	Irregular	Overflow	20		4.80	4.70					
HL_DS000709_O	HL_DS000709	HL_DS000711	Irregular	Overflow	20		4.60	4.50					
HL_DS000711_O	HL_DS000711	HL_DS000717	Irregular	Overflow	20		4.90	4.80					
HL_DS000715_O	HL_DS000715	HL_DS000716	Irregular	Overflow	20		5.10	5.00					
HL_DS000716_O	HL_DS000716	HL_DS000709	Irregular	Overflow	20		5.10	5.00					
HL_DS000717_O	HL_DS000717	HL_DS000665	Irregular	Overflow	20		5.00	4.90					
HL_DS000721_O1	HL_DS000721	HL_DMH000930	Irregular	Overflow	20		4.70	4.60					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS000721_O2	HL_DS000721	HL_DS000727	Irregular	Overflow	20		4.70	4.60					
HL_DS000787_O1	HL_DS000787	HL_DS003019	Irregular	Overflow	20		3.40	3.30					
HL_DS000787_O2	HL_DS000787	HL_DS009543	Irregular	Overflow	20		3.25	3.20					
HL_DS000908_O	HL_DS000908	HL_DS000909	Irregular	Overflow	20		4.55	4.50					
HL_DS000909_O1	HL_DS000909	HL_DS000711	Irregular	Overflow	20		4.80	4.70					
HL_DS000909_O2	HL_DS000909	HL_DS000657	Irregular	Overflow	20		4.90	4.80					
HL_DS001028_O	HL_DS001028	HL_DS002453	Irregular	Overflow	20		0.80	0.70					
HL_DS001538_O	HL_DS001538	HL_DS001736	Irregular	Overflow	20		4.60	4.50					
HL_DS001546_O1	HL_DS001546	HL_DS001747	Irregular	Overflow	20		4.80	4.70					
HL_DS001546_O2	HL_DS001546	HL_DS001538	Irregular	Overflow	20		4.60	4.50					
HL_DS001554_O1	HL_DS001554	HL_DS003323	Irregular	Overflow	20		1.70	1.60					
HL_DS001554_O2	HL_DS001554	HL_DS001628	Irregular	Overflow	20		1.65	1.60					
HL_DS001555_O1	HL_DS001555	HL_DS001789	Irregular	Overflow	20		3.20	3.10					
HL_DS001555_O2	HL_DS001555	HL_AGE999068	Irregular	Overflow	20		3.25	3.20					
HL_DS001576_O1	HL_DS001576	HL_DS003340	Irregular	Overflow	20		2.20	2.10					
HL_DS001576_O2	HL_DS001576	HL_DS001554	Irregular	Overflow	20		2.10	2.00					
HL_DS001593_O	HL_DS001593	HL_DS003864	Irregular	Overflow	20		2.55	2.50					
HL_DS001608_O1	HL_DS001608	HL_DS001615	Irregular	Overflow	20		2.65	2.60					
HL_DS001608_O2	HL_DS001608	HL_DS001554	Irregular	Overflow	20		2.65	2.60					
HL_DS001615_O1	HL_DS001615	HL_DS001624	Irregular	Overflow	20		2.80	2.70					
HL_DS001615_O2	HL_DS001615	HL_DS001554	Irregular	Overflow	20		2.60	2.50					
HL_DS001615_O3	HL_DS001615	HL_DS001628	Irregular	Overflow	20		2.60	2.50					
HL_DS001619_O	HL_DS001619	HL_DS007172	Irregular	Overflow	20		1.15	1.10					
HL_DS001624_O1	HL_DS001624	BC_NID09849	Irregular	Overflow	20		2.70	2.60					
HL_DS001624_O2	HL_DS001624	HL_DS001619	Irregular	Overflow	20		2.60	2.50					
HL_DS001628_O	HL_DS001628	HL_DS007172	Irregular	Overflow	20		1.60	1.50					
HL_DS001711_O1	HL_DS001711	HL_DS001793	Irregular	Overflow	20		5.20	5.10					
HL_DS001711_O2	HL_DS001711	HL_DS000721	Irregular	Overflow	20		4.70	4.60					
HL_DS001711_O3	HL_DS001711	HL_DM000930	Irregular	Overflow	20		4.75	4.70					
HL_DS001721_O	HL_DS001721	HL_DS001715	Irregular	Overflow	20		4.20	4.10					
HL_DS001730_O1	HL_DS001730	HL_DS001546	Irregular	Overflow	20		4.90	4.80					
HL_DS001730_O2	HL_DS001730	HL_DS001538	Irregular	Overflow	20		4.90	4.80					
HL_DS001730_O3	HL_DS001730	HL_DS001732	Irregular	Overflow	20		4.90	4.80					
HL_DS001732_O1	HL_DS001732	HL_DO000381	Irregular	Overflow	20		5.35	5.30					
HL_DS001732_O2	HL_DS001732	HL_DS001745	Irregular	Overflow	20		4.90	4.80					
HL_DS001736_O1	HL_DS001736	HL_DS001738	Irregular	Overflow	20		4.70	4.60					
HL_DS001736_O2	HL_DS001736	HL_DS001732	Irregular	Overflow	20		4.85	4.80					
HL_DS001738_O	HL_DS001738	HL_DS001748	Irregular	Overflow	20		4.65	4.60					
HL_DS001741_O	HL_DS001741	HL_DO000381	Irregular	Overflow	20		5.05	5.00					
HL_DS001743_O	HL_DS001743	HL_DS001741	Irregular	Overflow	20		5.25	5.20					
HL_DS001744_O	HL_DS001744	HL_DS001741	Irregular	Overflow	20		5.00	4.90					
HL_DS001745_O	HL_DS001745	HL_DS001741	Irregular	Overflow	20		4.90	4.80					
HL_DS001747_O	HL_DS001747	HL_DS001748	Irregular	Overflow	20		4.65	4.60					
HL_DS001748_O	HL_DS001748	HL_DS001751	Irregular	Overflow	20		4.80	4.70					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS001751_O	HL_DS001751	HL_DS001741	Irregular	Overflow	20		4.50	4.40					
HL_DS001770_O1	HL_DS001770	HL_DS001779	Irregular	Overflow	20		5.20	5.10					
HL_DS001770_O2	HL_DS001770	HL_DS001711	Irregular	Overflow	20		5.05	5.00					
HL_DS001771_O1	HL_DS001771	HL_DS001576	Irregular	Overflow	20		2.40	2.30					
HL_DS001771_O2	HL_DS001771	HL_DS003334	Irregular	Overflow	20		2.40	2.30					
HL_DS001775_O	HL_DS001775	HL_DS001795	Irregular	Overflow	20		5.00	4.90					
HL_DS001777_O	HL_DS001777	HL_DS001778	Irregular	Overflow	20		4.90	4.80					
HL_DS001778_O	HL_DS001778	HL_DS001779	Irregular	Overflow	20		5.00	4.90					
HL_DS001779_O	HL_DS001779	HL_DS001795	Irregular	Overflow	20		5.05	5.00					
HL_DS001780_O	HL_DS001780	HL_DS001775	Irregular	Overflow	20		4.90	4.80					
HL_DS001782_O	HL_DS001782	HL_DS001783	Irregular	Overflow	20		5.05	5.00					
HL_DS001783_O	HL_DS001783	HL_DS001777	Irregular	Overflow	20		5.00	4.90					
HL_DS001786_O1	HL_DS001786	HL_DM000494	Irregular	Overflow	20		4.90	4.80					
HL_DS001786_O2	HL_DS001786	HL_DS001783	Irregular	Overflow	20		4.95	4.90					
HL_DS001789_O1	HL_DS001789	HL_DS001608	Irregular	Overflow	20		3.00	2.90					
HL_DS001789_O2	HL_DS001789	HL_AGE999068	Irregular	Overflow	20		2.80	2.70					
HL_DS001793_O1	HL_DS001793	HL_DS001715	Irregular	Overflow	20		4.30	4.20					
HL_DS001793_O2	HL_DS001793	HL_DS007227	Irregular	Overflow	20		5.15	5.10					
HL_DS001794_O	HL_DS001794	HL_DS001793	Irregular	Overflow	20		4.20	4.10					
HL_DS001795_O	HL_DS001795	HL_DS001794	Irregular	Overflow	20		4.80	4.70					
HL_DS001797_O1	HL_DS001797	HL_DS001777	Irregular	Overflow	20		5.20	5.10					
HL_DS001797_O2	HL_DS001797	HL_DS001775	Irregular	Overflow	20		5.05	5.00					
HL_DS001799_O1	HL_DS001799	HL_DO000473	Irregular	Overflow	20		5.25	5.20					
HL_DS001801_O1	HL_DS001801	HL_AGE999069	Irregular	Overflow	20		3.80	3.70					
HL_DS001805_O1	HL_DS001805	HL_DS001782	Irregular	Overflow	20		5.20	5.10					
HL_DS001805_O2	HL_DS001805	HL_DS002470	Irregular	Overflow	20		5.15	5.10					
HL_DS001807_O	HL_DS001807	HL_DS003156	Irregular	Overflow	20		2.70	2.60					
HL_DS001833_O	HL_DS001833	BC_AGE999078	Irregular	Overflow	20		4.80	4.70					
HL_DS002448_O1	HL_DS002448	HL_DS005666	Irregular	Overflow	20		2.65	2.60					
HL_DS002448_O2	HL_DS002448	HL_DS005556	Irregular	Overflow	20		2.60	2.50					
HL_DS002451_O1	HL_DS002451	HL_VCD000069	Irregular	Overflow	20		1.50	1.40					
HL_DS002451_O2	HL_DS002451	HL_DM0000842	Irregular	Overflow	20		1.75	1.70					
HL_DS002453_O1	HL_DS002453	HL_DS003751	Irregular	Overflow	20		1.25	1.20					
HL_DS002453_O2	HL_DS002453	HL_DS003773	Irregular	Overflow	20		1.20	1.10					
HL_DS002462_O	HL_DS002462	HL_DS006475	Irregular	Overflow	20		2.90	2.80					
HL_DS002463_O	HL_DS002463	HL_DO000423	Irregular	Overflow	20		2.15	2.10					
HL_DS002470_O	HL_DS002470	HL_DS001797	Irregular	Overflow	20		5.05	5.00					
HL_DS002471_O1	HL_DS002471	HL_DS002470	Irregular	Overflow	20		4.70	4.60					
HL_DS002471_O2	HL_DS002471	HL_DS002472	Irregular	Overflow	20		4.90	4.80					
HL_DS002472_O	HL_DS002472	HL_DS001805	Irregular	Overflow	20		5.10	5.00					
HL_DS002473_O1	HL_DS002473	HL_DS001786	Irregular	Overflow	20		4.85	4.80					
HL_DS002473_O2	HL_DS002473	HL_DS001782	Irregular	Overflow	20		5.10	5.00					
HL_DS002811_O	HL_DS002811	HL_DO000754	Irregular	Overflow	20		2.00	1.90					
HL_DS002811_O1	HL_DS002811	HL_DS003667	Irregular	Overflow	20		1.50	1.40					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS002811_O2	HL_DS002811	HL_DS008051	Irregular	Overflow	20		2.10	2.00					
HL_DS002827_O	HL_DS002827	HL_DS003287	Irregular	Overflow	20		3.75	3.70					
HL_DS002844_O1	HL_DS002844	HL_DS005651	Irregular	Overflow	20		2.55	2.50					
HL_DS002844_O2	HL_DS002844	HL_DS005630	Irregular	Overflow	20		2.50	2.40					
HL_DS002853_O1	HL_DS002853	HL_DS008164	Irregular	Overflow	20		2.10	2.00					
HL_DS002853_O2	HL_DS002853	HL_DS003219	Irregular	Overflow	20		1.85	1.80					
HL_DS002853_O3	HL_DS002853	HL_DS002854	Irregular	Overflow	20		1.60	1.50					
HL_DS002854_O	HL_DS002854	HL_DS003121	Irregular	Overflow	20		1.35	1.30					
HL_DS002869_O1	HL_DS002869	HL_AGE999109	Irregular	Overflow	20		1.95	1.90					
HL_DS002869_O2	HL_DS002869	HL_DS002913	Irregular	Overflow	20		1.50	1.40					
HL_DS002875_O1	HL_DS002875	HL_DMH000230	Irregular	Overflow	20		1.80	1.70					
HL_DS002875_O2	HL_DS002875	HL_DS003713	Irregular	Overflow	20		2.20	2.10					
HL_DS002876_O1	HL_DS002876	HL_DS002938	Irregular	Overflow	20		2.00	1.90					
HL_DS002876_O2	HL_DS002876	HL_DS008467	Irregular	Overflow	20		2.15	2.10					
HL_DS002881_O1	HL_DS002881	HL_DS003699	Irregular	Overflow	20		1.90	1.80					
HL_DS002881_O2	HL_DS002881	HL_DS002885	Irregular	Overflow	20		2.00	1.90					
HL_DS002881_O3	HL_DS002881	HL_DS005717	Irregular	Overflow	20		2.00	1.90					
HL_DS002885_O1	HL_DS002885	HL_DO000235	Irregular	Overflow	20		1.25	1.20					
HL_DS002885_O2	HL_DS002885	HL_DS002888	Irregular	Overflow	20		1.55	1.50					
HL_DS002888_O	HL_DS002888	HL_DS002889	Irregular	Overflow	20		0.60	0.50					
HL_DS002889_O1	HL_DS002889	HL_DO000232	Irregular	Overflow	20		1.05	1.00					
HL_DS002889_O2	HL_DS002889	HL_PS000006	Irregular	Overflow	20		1.50	1.40					
HL_DS002893_O	HL_DS002893	HL_DS002894	Irregular	Overflow	20		0.60	0.50					
HL_DS002894_O	HL_DS002894	HL_DO000232	Irregular	Overflow	20		0.95	0.90					
HL_DS002899_O1	HL_DS002899	HL_DO000235	Irregular	Overflow	20		1.25	1.20					
HL_DS002899_O2	HL_DS002899	HL_DS002885	Irregular	Overflow	20		1.30	1.20					
HL_DS002904_O1	HL_DS002904	HL_DS002899	Irregular	Overflow	20		5.05	5.00					
HL_DS002904_O2	HL_DS002904	HL_DS005138	Irregular	Overflow	20		5.10	5.00					
HL_DS002909_O1	HL_DS002909	HL_DS008466	Irregular	Overflow	20		2.00	1.90					
HL_DS002909_O2	HL_DS002909	HL_DS002934	Irregular	Overflow	20		1.90	1.80					
HL_DS002913_O	HL_DS002913	HL_DS002906	Irregular	Overflow	20		1.50	1.40					
HL_DS002915_O	HL_DS002915	HL_DS002950	Irregular	Overflow	20		1.60	1.50					
HL_DS002919_O1	HL_DS002919	HL_DS002939	Irregular	Overflow	20		2.20	2.10					
HL_DS002919_O2	HL_DS002919	HL_DS002888	Irregular	Overflow	20		2.40	2.30					
HL_DS002925_O1	HL_DS002925	HL_DS002906	Irregular	Overflow	20		1.55	1.50					
HL_DS002925_O2	HL_DS002925	HL_AGE999001	Irregular	Overflow	20		2.85	2.80					
HL_DS002929_O1	HL_DS002929	HL_DS002936	Irregular	Overflow	20		1.75	1.70					
HL_DS002929_O2	HL_DS002929	HL_DS009039	Irregular	Overflow	20		1.90	1.80					
HL_DS002930_O	HL_DS002930	HL_DS002954	Irregular	Overflow	20		1.80	1.70					
HL_DS002931_O1	HL_DS002931	HL_DS002939	Irregular	Overflow	20		2.30	2.20					
HL_DS002931_O2	HL_DS002931	HL_DS002889	Irregular	Overflow	20		2.25	2.20					
HL_DS002931_O3	HL_DS002931	HL_DS002964	Irregular	Overflow	20		2.30	2.20					
HL_DS002932_O	HL_DS002932	HL_DS005718	Irregular	Overflow	20		1.60	1.50					
HL_DS002933_O	HL_DS002933	HL_DS002930	Irregular	Overflow	20		1.70	1.60					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS002934_O	HL_DS002934	HL_DS009041	Irregular	Overflow	20		1.75	1.70					
HL_DS002936_O	HL_DS002936	HL_DS002933	Irregular	Overflow	20		1.55	1.50					
HL_DS002938_O1	HL_DS002938	HL_DS002949	Irregular	Overflow	20		1.70	1.60					
HL_DS002938_O2	HL_DS002938	HL_DS002909	Irregular	Overflow	20		1.80	1.70					
HL_DS002939_O	HL_DS002939	HL_DS002938	Irregular	Overflow	20		1.80	1.70					
HL_DS002941_O	HL_DS002941	HL_DS002936	Irregular	Overflow	20		1.75	1.70					
HL_DS002942_O	HL_DS002942	HL_DS009043	Irregular	Overflow	20		2.00	1.90					
HL_DS002944_O1	HL_DS002944	HL_DS002932	Irregular	Overflow	20		1.80	1.70					
HL_DS002944_O2	HL_DS002944	HL_DS002941	Irregular	Overflow	20		1.80	1.70					
HL_DS002947_O	HL_DS002947	HL_DS002942	Irregular	Overflow	20		2.25	2.20					
HL_DS002949_O1	HL_DS002949	HL_DS002947	Irregular	Overflow	20		1.85	1.80					
HL_DS002949_O2	HL_DS002949	HL_DS002942	Irregular	Overflow	20		2.10	2.00					
HL_DS002950_O	HL_DS002950	HL_DS002947	Irregular	Overflow	20		1.75	1.70					
HL_DS002951_O1	HL_DS002951	HL_DS002944	Irregular	Overflow	20		2.00	1.90					
HL_DS002951_O2	HL_DS002951	HL_DS009039	Irregular	Overflow	20		1.90	1.80					
HL_DS002954_O	HL_DS002954	HL_DS002925	Irregular	Overflow	20		1.80	1.70					
HL_DS002964_O1	HL_DS002964	HL_PS000006	Irregular	Overflow	20		2.30	2.20					
HL_DS002964_O2	HL_DS002964	HL_DS002915	Irregular	Overflow	20		1.90	1.80					
HL_DS002964_O3	HL_DS002964	HL_DM001528	Irregular	Overflow	20		1.95	1.90					
HL_DS002972_O	HL_DS002972	HL_DS002987	Irregular	Overflow	20		2.00	1.90					
HL_DS002973_O1	HL_DS002973	HL_DS002972	Irregular	Overflow	20		2.15	2.10					
HL_DS002973_O2	HL_DS002973	HL_DS002987	Irregular	Overflow	20		2.10	2.00					
HL_DS002979_O	HL_DS002979	HL_DS002989	Irregular	Overflow	20		1.85	1.80					
HL_DS002984_O1	HL_DS002984	HL_DM001528	Irregular	Overflow	20		1.90	1.80					
HL_DS002984_O2	HL_DS002984	HL_DS002893	Irregular	Overflow	20		1.85	1.80					
HL_DS002985_O1	HL_DS002985	HL_DS003010	Irregular	Overflow	20		5.25	5.20					
HL_DS002985_O2	HL_DS002985	HL_DM000270	Irregular	Overflow	20		5.25	5.20					
HL_DS002990_O1	HL_DS002990	HL_DS002989	Irregular	Overflow	20		2.00	1.90					
HL_DS002990_O2	HL_DS002990	HL_DS002987	Irregular	Overflow	20		2.00	1.90					
HL_DS002997_O1	HL_DS002997	HL_DS004365	Irregular	Overflow	20		0.30	0.20					
HL_DS002998_O	HL_DS002998	HL_DS002997	Irregular	Overflow	20		0.35	0.30					
HL_DS002999_O	HL_DS002999	HL_DM000845	Irregular	Overflow	20		0.95	0.90					
HL_DS003007_O1	HL_DS003007	HL_DS002827	Irregular	Overflow	20		4.05	4.00					
HL_DS003007_O2	HL_DS003007	HL_DS000787	Irregular	Overflow	20		3.80	3.70					
HL_DS003010_O	HL_DS003010	HL_DS003015	Irregular	Overflow	20		5.00	4.90					
HL_DS003015_O1	HL_DS003015	HL_DS007274	Irregular	Overflow	20		5.60	5.50					
HL_DS003015_O2	HL_DS003015	HL_DS002827	Irregular	Overflow	20		4.70	4.60					
HL_DS003017_O1	HL_DS003017	HL_DS007270	Irregular	Overflow	20		6.50	6.40					
HL_DS003017_O2	HL_DS003017	HL_DS003010	Irregular	Overflow	20		5.90	5.80					
HL_DS003018_O1	HL_DS003018	HL_DS005774	Irregular	Overflow	20		1.00	0.90					
HL_DS003018_O2	HL_DS003018	HL_DS003762	Irregular	Overflow	20		1.20	1.10					
HL_DS003019_O1	HL_DS003019	HL_DS000450	Irregular	Overflow	20		1.60	1.50					
HL_DS003019_O2	HL_DS003019	HL_DM000270	Irregular	Overflow	20		1.75	1.70					
HL_DS003031_O1	HL_DS003031	HL_DS003047	Irregular	Overflow	20		1.60	1.50					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003031_O2	HL_DS003031	HL_DS003785	Irregular	Overflow	20		1.55	1.50					
HL_DS003041_O	HL_DS003041	HL_DS003786	Irregular	Overflow	20		1.20	1.10					
HL_DS003047_O	HL_DS003047	HL_DS003041	Irregular	Overflow	20		1.50	1.40					
HL_DS003049_O1	HL_DS003049	HL_DS003062	Irregular	Overflow	20		1.90	1.80					
HL_DS003058_O1	HL_DS003058	HL_DS003106	Irregular	Overflow	20		1.90	1.80					
HL_DS003058_O2	HL_DS003058	HL_DS003119	Irregular	Overflow	20		1.80	1.70					
HL_DS003060_O	HL_DS003060	HL_DS003064	Irregular	Overflow	20		1.90	1.80					
HL_DS003061_O1	HL_DS003061	HL_DS003060	Irregular	Overflow	20		1.85	1.80					
HL_DS003061_O2	HL_DS003061	HL_DS007693	Irregular	Overflow	20		1.50	1.40					
HL_DS003062_O1	HL_DS003062	HL_DS003077	Irregular	Overflow	20		1.70	1.60					
HL_DS003062_O2	HL_DS003062	HL_DS003031	Irregular	Overflow	20		1.70	1.60					
HL_DS003064_O1	HL_DS003064	HL_DS003062	Irregular	Overflow	20		1.80	1.70					
HL_DS003074_O1	HL_DS003074	HL_DS007150	Irregular	Overflow	20		2.25	2.20					
HL_DS003074_O2	HL_DS003074	HL_DS005151	Irregular	Overflow	20		1.80	1.70					
HL_DS003077_O1	HL_DS003077	HL_DS008902	Irregular	Overflow	20		1.60	1.50					
HL_DS003077_O2	HL_DS003077	HL_DS003047	Irregular	Overflow	20		1.90	1.80					
HL_DS003092_O	HL_DS003092	HL_DS008164	Irregular	Overflow	20		1.80	1.70					
HL_DS003098_O	HL_DS003098	HL_DM000307	Irregular	Overflow	20		2.00	1.90					
HL_DS003098_O2	HL_DS003098	HL_AGE999004	Irregular	Overflow	20		3.80	3.70					
HL_DS003102_O	HL_DS003102	HL_DS003158	Irregular	Overflow	20		1.90	1.80					
HL_DS003106_O1	HL_DS003106	HL_DS003126	Irregular	Overflow	20		1.60	1.50					
HL_DS003106_O2	HL_DS003106	HL_DS003107	Irregular	Overflow	20		1.50	1.40					
HL_DS003106_O3	HL_DS003106	HL_AGE999002	Irregular	Overflow	20		2.70	2.60					
HL_DS003107_O	HL_DS003107	HL_DS003127	Irregular	Overflow	20		1.80	1.70					
HL_DS003115_O1	HL_DS003115	HL_DS003129	Irregular	Overflow	20		2.00	1.90					
HL_DS003115_O2	HL_DS003115	HL_AGE999007	Irregular	Overflow	20		3.20	3.10					
HL_DS003119_O	HL_DS003119	HL_DS007163	Irregular	Overflow	20		1.10	1.00					
HL_DS003121_O	HL_DS003121	HL_DS004473	Irregular	Overflow	20		1.50	1.40					
HL_DS003126_O	HL_DS003126	HL_DS002854	Irregular	Overflow	20		1.60	1.55					
HL_DS003127_O1	HL_DS003127	HL_DS002854	Irregular	Overflow	20		2.00	1.90					
HL_DS003127_O2	HL_DS003127	HL_DS003092	Irregular	Overflow	20		1.60	1.50					
HL_DS003129_O1	HL_DS003129	HL_DS003840	Irregular	Overflow	20		1.70	1.60					
HL_DS003129_O2	HL_DS003129	HL_AGE999006	Irregular	Overflow	20		3.00	2.90					
HL_DS003136_O	HL_DS003136	HL_AGE999071	Irregular	Overflow	20		4.95	4.90					
HL_DS003143_O	HL_DS003143	HL_DS003058	Irregular	Overflow	20		1.80	1.70					
HL_DS003144_O1	HL_DS003144	HL_DS003840	Irregular	Overflow	20		1.95	1.90					
HL_DS003144_O2	HL_DS003144	HL_DS003058	Irregular	Overflow	20		1.75	1.70					
HL_DS003144_O3	HL_DS003144	HL_DS003143	Irregular	Overflow	20		1.90	1.80					
HL_DS003145_O1	HL_DS003145	HL_DS003144	Irregular	Overflow	20		1.90	1.80					
HL_DS003145_O2	HL_DS003145	HL_DS003143	Irregular	Overflow	20		1.90	1.80					
HL_DS003151_O1	HL_DS003151	HL_DM002054	Irregular	Overflow	20		2.75	2.70					
HL_DS003151_O2	HL_DS003151	HL_DS003161	Irregular	Overflow	20		2.85	2.80					
HL_DS003151_O3	HL_DS003151	HL_DS003156	Irregular	Overflow	20		2.90	2.80					
HL_DS003156_O1	HL_DS003156	HL_DS003161	Irregular	Overflow	20		2.20	2.10					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003156_O2	HL_DS003156	HL_AGE999008	Irregular	Overflow	20		3.90	3.80					
HL_DS003158_O	HL_DS003158	HL_DM002054	Irregular	Overflow	20		2.45	2.40					
HL_DS003159_O	HL_DS003159	HL_DS001771	Irregular	Overflow	20		2.90	2.80					
HL_DS003219_O1	HL_DS003219	HL_DM000307	Irregular	Overflow	20		2.20	2.10					
HL_DS003219_O2	HL_DS003219	HL_DS003121	Irregular	Overflow	20		1.60	1.50					
HL_DS003260_O1	HL_DS003260	HL_DS006441	Irregular	Overflow	20		6.00	5.90					
HL_DS003260_O2	HL_DS003260	HL_DS007152	Irregular	Overflow	20		6.10	6.00					
HL_DS003270_O	HL_DS003270	HL_DS003311	Irregular	Overflow	20		3.15	3.10					
HL_DS003281_O	HL_DS003281	HL_DS002899	Irregular	Overflow	20		2.80	2.70					
HL_DS003287_O1	HL_DS003287	HL_DS003019	Irregular	Overflow	20		3.45	3.40					
HL_DS003287_O2	HL_DS003287	HL_DS000787	Irregular	Overflow	20		3.60	3.50					
HL_DS003288_O	HL_DS003288	HL_DS003289	Irregular	Overflow	20		6.25	6.20					
HL_DS003289_O	HL_DS003289	HL_DS007583	Irregular	Overflow	20		6.00	5.90					
HL_DS003291_O1	HL_DS003291	HL_DS007556	Irregular	Overflow	20		5.60	5.50					
HL_DS003291_O2	HL_DS003291	HL_DS003289	Irregular	Overflow	20		6.05	6.00					
HL_DS003295_O1	HL_DS003295	HL_DS009534	Irregular	Overflow	20		5.00	4.90					
HL_DS003295_O2	HL_DS003295	HL_DS003007	Irregular	Overflow	20		5.00	4.90					
HL_DS003296_O1	HL_DS003296	HL_DM001431	Irregular	Overflow	20		5.20	5.10					
HL_DS003296_O2	HL_DS003296	HL_DS009536	Irregular	Overflow	20		5.05	5.00					
HL_DS003311_O1	HL_DS003311	HL_DS003316	Irregular	Overflow	20		1.90	1.80					
HL_DS003311_O2	HL_DS003311	HL_DS003102	Irregular	Overflow	20		1.95	1.90					
HL_DS003311_O3	HL_DS003311	HL_DS003115	Irregular	Overflow	20		1.80	1.70					
HL_DS003316_O	HL_DS003316	HL_DS003102	Irregular	Overflow	20		1.70	1.60					
HL_DS003323_O1	HL_DS003323	HL_DS003340	Irregular	Overflow	20		1.30	1.20					
HL_DS003323_O2	HL_DS003323	HL_DS007172	Irregular	Overflow	20		1.35	1.30					
HL_DS003327_O	HL_DS003327	HL_DS003151	Irregular	Overflow	20		3.00	2.90					
HL_DS003334_O1	HL_DS003334	HL_DS003864	Irregular	Overflow	20		3.10	3.00					
HL_DS003334_O2	HL_DS003334	HL_DS003161	Irregular	Overflow	20		3.00	2.90					
HL_DS003340_O	HL_DS003340	HL_DS003334	Irregular	Overflow	20		2.10	2.00					
HL_DS003667_O	HL_DS003667	HL_DS003669	Irregular	Overflow	20		1.70	1.60					
HL_DS003669_O	HL_DS003669	HL_DO000408	Irregular	Overflow	20		2.40	2.30					
HL_DS003672_O1	HL_DS003672	HL_DS000363	Irregular	Overflow	20		0.55	0.50					
HL_DS003672_O2	HL_DS003672	HL_DS003772	Irregular	Overflow	20		0.75	0.70					
HL_DS003672_O3	HL_DS003672	HL_DS003751	Irregular	Overflow	20		0.90	0.80					
HL_DS003677_O	HL_DS003677	HL_DS003754	Irregular	Overflow	20		0.70	0.60					
HL_DS003698_O1	HL_DS003698	HL_DS004343	Irregular	Overflow	20		1.60	1.50					
HL_DS003698_O2	HL_DS003698	HL_DS002876	Irregular	Overflow	20		2.10	2.00					
HL_DS003699_O1	HL_DS003699	HL_DS003698	Irregular	Overflow	20		2.00	1.90					
HL_DS003699_O2	HL_DS003699	HL_DS005717	Irregular	Overflow	20		1.50	1.40					
HL_DS003700_O1	HL_DS003700	HL_DS006023	Irregular	Overflow	20		2.00	1.90					
HL_DS003700_O2	HL_DS003700	HL_AGE999109	Irregular	Overflow	20		2.00	1.90					
HL_DS003702_O1	HL_DS003702	HL_DS003700	Irregular	Overflow	20		1.60	1.50					
HL_DS003707_O	HL_DS003707	HL_DS003702	Irregular	Overflow	20		1.75	1.70					
HL_DS003710_O1	HL_DS003710	HL_DS005715	Irregular	Overflow	20		1.75	1.70					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003710_O2	HL_DS003710	HL_DS003711	Irregular	Overflow	20		1.80	1.70					
HL_DS003711_O1	HL_DS003711	HL_DS002913	Irregular	Overflow	20		1.90	1.80					
HL_DS003711_O2	HL_DS003711	HL_DS003700	Irregular	Overflow	20		1.80	1.70					
HL_DS003713_O1	HL_DS003713	HL_DS003711	Irregular	Overflow	20		1.60	1.50					
HL_DS003713_O2	HL_DS003713	HL_DS005718	Irregular	Overflow	20		1.65	1.60					
HL_DS003713_O3	HL_DS003713	HL_DS003707	Irregular	Overflow	20		1.80	1.70					
HL_DS003724_O1	HL_DS003724	HL_DS003728	Irregular	Overflow	20		0.85	0.80					
HL_DS003724_O2	HL_DS003724	HL_DMH000845	Irregular	Overflow	20		0.75	0.70					
HL_DS003725_O1	HL_DS003725	HL_DMH000847	Irregular	Overflow	20		0.90	0.85					
HL_DS003725_O2	HL_DS003725	HL_DS003734	Irregular	Overflow	20		0.90	0.85					
HL_DS003728_O	HL_DS003728	HL_DMH000845	Irregular	Overflow	20		0.75	0.70					
HL_DS003730_O1	HL_DS003730	HL_DS002990	Irregular	Overflow	20		1.75	1.70					
HL_DS003730_O2	HL_DS003730	HL_DMH000837	Irregular	Overflow	20		1.30	1.20					
HL_DS003730_O3	HL_DS003730	HL_DS003749	Irregular	Overflow	20		1.30	1.20					
HL_DS003734_O1	HL_DS003734	HL_DS003728	Irregular	Overflow	20		0.80	0.70					
HL_DS003734_O2	HL_DS003734	HL_DMH000847	Irregular	Overflow	20		0.80	0.70					
HL_DS003743_O	HL_DS003743	HL_DMH001458	Irregular	Overflow	20		0.55	0.50					
HL_DS003749_O1	HL_DS003749	HL_DS000456	Irregular	Overflow	20		2.00	1.90					
HL_DS003749_O2	HL_DS003749	HL_DMH000837	Irregular	Overflow	20		1.30	1.20					
HL_DS003754_O	HL_DS003754	HL_DMH000264	Irregular	Overflow	20		0.80	0.70					
HL_DS003757_O	HL_DS003757	HL_DS003743	Irregular	Overflow	20		0.60	0.50					
HL_DS003757_O2	HL_DS003757	HL_AGE999005	Irregular	Overflow	20		0.75	0.70					
HL_DS003762_O	HL_DS003762	HL_DMH001457	Irregular	Overflow	20		0.80	0.70					
HL_DS003769_O1	HL_DS003769	HL_DS005773	Irregular	Overflow	20		1.20	1.10					
HL_DS003769_O2	HL_DS003769	HL_DS003672	Irregular	Overflow	20		1.00	0.90					
HL_DS003772_O1	HL_DS003772	HL_DS000474	Irregular	Overflow	20		0.60	0.50					
HL_DS003772_O2	HL_DS003772	HL_DS003773	Irregular	Overflow	20		0.60	0.50					
HL_DS003772_O3	HL_DS003772	HL_DS003725	Irregular	Overflow	20		0.55	0.50					
HL_DS003772_O4	HL_DS003772	HL_DS003724	Irregular	Overflow	20		0.35	0.30					
HL_DS003773_O	HL_DS003773	HL_DS003751	Irregular	Overflow	20		0.75	0.70					
HL_DS003785_O1	HL_DS003785	HL_DS003839	Irregular	Overflow	20		1.50	1.40					
HL_DS003785_O2	HL_DS003785	HL_DS003786	Irregular	Overflow	20		1.00	0.90					
HL_DS003806_O	HL_DS003806	HL_DS008893	Irregular	Overflow	20		1.05	1.00					
HL_DS003807_O	HL_DS003807	HL_DS003816	Irregular	Overflow	20		0.55	0.50					
HL_DS003808_O1	HL_DS003808	HL_DS003807	Irregular	Overflow	20		0.35	0.30					
HL_DS003808_O2	HL_DS003808	HL_DMH001458	Irregular	Overflow	20		0.50	0.40					
HL_DS003816_O	HL_DS003816	HL_DS008893	Irregular	Overflow	20		0.75	0.70					
HL_DS003817_O	HL_DS003817	HL_DS003808	Irregular	Overflow	20		0.60	0.50					
HL_DS003827_O1	HL_DS003827	HL_DS003830	Irregular	Overflow	20		1.15	1.10					
HL_DS003827_O2	HL_DS003827	HL_DS003838	Irregular	Overflow	20		1.25	1.20					
HL_DS003827_O3	HL_DS003827	HL_DMH001457	Irregular	Overflow	20		0.75	0.70					
HL_DS003830_O	HL_DS003830	HL_DS003839	Irregular	Overflow	20		1.00	0.90					
HL_DS003836_O1	HL_DS003836	HL_DS003785	Irregular	Overflow	20		1.30	1.20					
HL_DS003836_O2	HL_DS003836	HL_DS003830	Irregular	Overflow	20		1.50	1.40					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS003838_O	HL_DS003838	HL_DS008893	Irregular	Overflow	20		1.40	1.30					
HL_DS003839_O	HL_DS003839	HL_DS003838	Irregular	Overflow	20		1.25	1.20					
HL_DS003840_O	HL_DS003840	HL_DS003119	Irregular	Overflow	20		1.55	1.50					
HL_DS003864_O1	HL_DS003864	HL_DS003316	Irregular	Overflow	20		2.60	2.50					
HL_DS003864_O2	HL_DS003864	HL_DS003102	Irregular	Overflow	20		2.80	2.70					
HL_DS003902_O	HL_DS003902	HL_DS006475	Irregular	Overflow	20		4.80	4.70					
HL_DS003969_O1	HL_DS003969	HL_DS004671	Irregular	Overflow	20		5.55	5.50					
HL_DS003969_O2	HL_DS003969	HL_DS002904	Irregular	Overflow	20		5.55	5.50					
HL_DS003979_O1	HL_DS003979	HL_DS002811	Irregular	Overflow	20		4.20	4.10					
HL_DS003979_O2	HL_DS003979	HL_AGE999117	Irregular	Overflow	20		4.40	4.30					
HL_DS003984_O1	HL_DS003984	HL_DS009034	Irregular	Overflow	20		2.95	2.90					
HL_DS003984_O2	HL_DS003984	HL_DS003985	Irregular	Overflow	20		1.30	1.20					
HL_DS003985_O1	HL_DS003985	HL_DS009033	Irregular	Overflow	20		1.40	1.30					
HL_DS004334_O	HL_DS004334	HL_DS008318	Irregular	Overflow	20		2.10	2.00					
HL_DS004337_O	HL_DS004337	HL_DS002904	Irregular	Overflow	20		5.60	5.50					
HL_DS004341_O	HL_DS004341	HL_DS004337	Irregular	Overflow	20		5.55	5.50					
HL_DS004343_O1	HL_DS004343	HL_DS008465	Irregular	Overflow	20		1.60	1.50					
HL_DS004351_O1	HL_DS004351	HL_DS003969	Irregular	Overflow	20		5.65	5.60					
HL_DS004351_O2	HL_DS004351	HL_DS002904	Irregular	Overflow	20		5.60	5.50					
HL_DS004351_O3	HL_DS004351	HL_DS004341	Irregular	Overflow	20		5.60	5.50					
HL_DS004363_O	HL_DS004363	HL_DS002985	Irregular	Overflow	20		5.50	5.40					
HL_DS004378_O	HL_DS004378	HL_DS004671	Irregular	Overflow	20		5.75	5.70					
HL_DS004378_O1	HL_DS004378	HL_DS004363	Irregular	Overflow	20		5.90	5.80					
HL_DS004384_O1	HL_DS004384	HL_DS004385	Irregular	Overflow	20		0.60	0.50					
HL_DS004384_O2	HL_DS004384	HL_DS004389	Irregular	Overflow	20		0.50	0.40					
HL_DS004385_O	HL_DS004385	HL_DS004390	Irregular	Overflow	20		0.55	0.50					
HL_DS004387_O	HL_DS004387	HL_DS001028	Irregular	Overflow	20		0.90	0.80					
HL_DS004389_O	HL_DS004389	HL_DS004390	Irregular	Overflow	20		0.45	0.40					
HL_DS004390_O	HL_DS004390	HL_DS002997	Irregular	Overflow	20		0.55	0.50					
HL_DS004396_O	HL_DS004396	HL_DMH002050	Irregular	Overflow	20		2.00	1.90					
HL_DS004397_O1	HL_DS004397	HL_DS000443	Irregular	Overflow	20		1.55	1.50					
HL_DS004397_O2	HL_DS004397	HL_DS007527	Irregular	Overflow	20		1.10	1.00					
HL_DS004398_O	HL_DS004398	HL_DMH000267	Irregular	Overflow	20		2.05	2.00					
HL_DS004401_O1	HL_DS004401	HL_DS003017	Irregular	Overflow	20		5.90	5.80					
HL_DS004401_O2	HL_DS004401	HL_DS002985	Irregular	Overflow	20		5.80	5.70					
HL_DS004411_O1	HL_DS004411	HL_DS003677	Irregular	Overflow	20		0.30	0.20					
HL_DS004411_O2	HL_DS004411	HL_DS000509	Irregular	Overflow	20		0.20	0.10					
HL_DS004473_O	HL_DS004473	HL_DS008894	Irregular	Overflow	20		1.35	1.30					
HL_DS004540_O1	HL_DS004540	HL_DS001555	Irregular	Overflow	20		4.10	4.00					
HL_DS004540_O2	HL_DS004540	HL_AGE999065	Irregular	Overflow	20		4.20	4.10					
HL_DS004576_O1	HL_DS004576	HL_DS001624	Irregular	Overflow	20		3.40	3.30					
HL_DS004576_O2	HL_DS004576	HL_DS001615	Irregular	Overflow	20		3.60	3.50					
HL_DS004635_O	HL_DS004635	HL_DS003270	Irregular	Overflow	20		3.80	3.70					
HL_DS004658_O	HL_DS004658	HL_DS004378	Irregular	Overflow	20		6.00	5.90					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS004668_O1	HL_DS004668	HL_DMH000267	Irregular	Overflow	20		2.40	2.30					
HL_DS004668_O2	HL_DS004668	HL_DS003019	Irregular	Overflow	20		1.80	1.70					
HL_DS004671_O	HL_DS004671	HL_DS002904	Irregular	Overflow	20		5.75	5.70					
HL_DS004750_O	HL_DS004750	HL_AGE999014	Irregular	Overflow	20		5.35	5.30					
HL_DS004762_O1	HL_DS004762	HL_DS004750	Irregular	Overflow	20		4.70	4.60					
HL_DS004762_O2	HL_DS004762	HL_DS008317	Irregular	Overflow	20		5.10	5.00					
HL_DS004762_O3	HL_DS004762	HL_DO000845	Irregular	Overflow	20		4.30	4.20					
HL_DS004764_O	HL_DS004764	HL_DS004396	Irregular	Overflow	20		2.05	2.00					
HL_DS005096_O	HL_DS005096	HL_DS005962	Irregular	Overflow	20		3.40	3.30					
HL_DS005096_O2	HL_DS005096	HL_DS004914	Irregular	Overflow	20		4.20	4.10					
HL_DS005108_O1	HL_DS005108	HL_DS009508	Irregular	Overflow	20		6.30	6.20					
HL_DS005108_O2	HL_DS005108	HL_DMH000212	Irregular	Overflow	20		6.60	6.50					
HL_DS005124_O1	HL_DS005124	HL_DS009343	Irregular	Overflow	20		7.30	7.20					
HL_DS005124_O2	HL_DS005124	HL_DS005971	Irregular	Overflow	20		7.35	7.30					
HL_DS005127_O1	HL_DS005127	HL_DS005673	Irregular	Overflow	20		2.60	2.50					
HL_DS005127_O2	HL_DS005127	HL_DS005129	Irregular	Overflow	20		2.40	2.30					
HL_DS005129_O1	HL_DS005129	HL_DS005651	Irregular	Overflow	20		2.30	2.20					
HL_DS005129_O2	HL_DS005129	HL_DS005630	Irregular	Overflow	20		2.40	2.30					
HL_DS005131_O1	HL_DS005131	HL_DS005164	Irregular	Overflow	20		5.90	5.80					
HL_DS005138_O1	HL_DS005138	HL_DS005723	Irregular	Overflow	20		2.30	2.20					
HL_DS005138_O2	HL_DS005138	HL_DS005129	Irregular	Overflow	20		2.40	2.30					
HL_DS005144_O1	HL_DS005144	HL_DS003281	Irregular	Overflow	20		2.30	2.20					
HL_DS005144_O2	HL_DS005144	HL_DS005138	Irregular	Overflow	20		2.20	2.10					
HL_DS005151_O	HL_DS005151	HL_DS007146	Irregular	Overflow	20		1.90	1.80					
HL_DS005164_O1	HL_DS005164	HL_DS005674	Irregular	Overflow	20		6.00	5.90					
HL_DS005164_O2	HL_DS005164	HL_DMH001891	Irregular	Overflow	20		6.55	6.50					
HL_DS005182_O1	HL_DS005182	HL_DS007268	Irregular	Overflow	20		5.00	4.90					
HL_DS005182_O2	HL_DS005182	HL_DS003902	Irregular	Overflow	20		4.40	4.30					
HL_DS005251_O	HL_DS005251	HL_DO000183	Irregular	Overflow	20		4.60	4.50					
HL_DS005455_O	HL_DS005455	HL_DS006484	Irregular	Overflow	20		2.55	2.50					
HL_DS005455_O1	HL_DS005455	HL_DS007267	Irregular	Overflow	20		2.80	2.70					
HL_DS005455_O2	HL_DS006480	HL_DS002462	Irregular	Overflow	20		3.10	3.00					
HL_DS005455_O3	HL_DS005455	HL_DS006480	Irregular	Overflow	20		2.75	2.70					
HL_DS005490_O1	HL_DS005490	HL_AGE999132	Irregular	Overflow	20		4.00	3.90					
HL_DS005490_O2	HL_DS005490	HL_DS008051	Irregular	Overflow	20		4.00	3.90					
HL_DS005490_O3	HL_DS005490	HL_NID10046	Irregular	Overflow	20		3.80	3.70					
HL_DS005505_O	HL_DS005505	HL_DS006457	Irregular	Overflow	20		3.30	3.20					
HL_DS005505_O1	HL_DS005505	HL_DS005510	Irregular	Overflow	20		3.60	3.50					
HL_DS005505_O2	HL_DS005505	HL_DS005560	Irregular	Overflow	20		3.30	3.20					
HL_DS005510_O	HL_DS005510	HL_DS003667	Irregular	Overflow	20		2.40	2.30					
HL_DS005543_O	HL_DS005543	HL_DS003669	Irregular	Overflow	20		1.90	1.80					
HL_DS005553_O1	HL_DS005553	HL_DS003681	Irregular	Overflow	20		6.20	6.10					
HL_DS005553_O2	HL_DS005553	HL_DS005562	Irregular	Overflow	20		6.20	6.10					
HL_DS005553_O3	HL_DS005553	HL_AGE999027	Irregular	Overflow	20		6.30	6.20					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS005556_O1	HL_DS005556	HL_DS005557	Irregular	Overflow	20		2.50	2.40					
HL_DS005556_O2	HL_DS005556	HL_DS005953	Irregular	Overflow	20		2.35	2.30					
HL_DS005556_O3	HL_DS005556	HL_DS006337	Irregular	Overflow	20		2.55	2.50					
HL_DS005557_O1	HL_DS005557	HL_DS005947	Irregular	Overflow	20		2.45	2.40					
HL_DS005557_O2	HL_DS005557	HL_DS003669	Irregular	Overflow	20		2.60	2.50					
HL_DS005560_O	HL_DS005560	HL_DS005557	Irregular	Overflow	20		2.60	2.50					
HL_DS005562_O	HL_DS005562	HL_DS002448	Irregular	Overflow	20		2.75	2.70					
HL_DS005571_O	HL_DS005571	HL_DS005796	Irregular	Overflow	20		1.60	1.50					
HL_DS005615_O1	HL_DS005615	HL_AGE999112	Irregular	Overflow	20		2.95	2.90					
HL_DS005615_O2	HL_DS005615	HL_DS009244	Irregular	Overflow	20		3.10	3.00					
HL_DS005630_O1	HL_DS005630	HL_DS005941	Irregular	Overflow	20		2.15	2.10					
HL_DS005630_O2	HL_DS005630	HL_DS005940	Irregular	Overflow	20		2.45	2.40					
HL_DS005635_O1	HL_DS005635	HL_DS005710	Irregular	Overflow	20		2.55	2.50					
HL_DS005635_O2	HL_DS005635	HL_DS005651	Irregular	Overflow	20		2.60	2.50					
HL_DS005635_O3	HL_DS005635	HL_IN10429	Irregular	Overflow	20		2.65	2.60					
HL_DS005635_O4	HL_DS005635	HL_DS005697	Irregular	Overflow	20		2.60	2.55					
HL_DS005635_O5	HL_DS005635	HL_DS005940	Irregular	Overflow	20		2.50	2.40					
HL_DS005646_O	HL_DS005646	HL_DS008083	Irregular	Overflow	20		2.95	2.90					
HL_DS005648_O1	HL_DS005648	HL_DS005646	Irregular	Overflow	20		3.00	2.90					
HL_DS005648_O2	HL_DS005648	HL_DS008083	Irregular	Overflow	20		2.60	2.50					
HL_DS005650_O	HL_DS005650	HL_DS005648	Irregular	Overflow	20		5.50	5.40					
HL_DS005651_O	HL_DS005651	HL_DS005673	Irregular	Overflow	20		2.35	2.30					
HL_DS005666_O	HL_DS005666	HL_DS005560	Irregular	Overflow	20		2.85	2.80					
HL_DS005669_O	HL_DS005669	HL_DMH000219	Irregular	Overflow	20		6.55	6.50					
HL_DS005673_O	HL_DS005673	HL_DS005723	Irregular	Overflow	20		2.15	2.10					
HL_DS005674_O	HL_DS005674	HL_DS005678	Irregular	Overflow	20		6.35	6.30					
HL_DS005678_O1	HL_DS005678	HL_DS009550	Irregular	Overflow	20		6.10	6.00					
HL_DS005678_O2	HL_DS005678	HL_DS005650	Irregular	Overflow	20		5.60	5.50					
HL_DS005686_O1	HL_DS005686	HL_DS005704	Irregular	Overflow	20		2.60	2.50					
HL_DS005686_O2	HL_DS005686	HL_AGE999010	Irregular	Overflow	20		2.35	2.30					
HL_DS005686_O3	HL_DS005686	HL_DO000539	Irregular	Overflow	20		3.30	3.20					
HL_DS005701_O1	HL_DS005701	HL_DS008465	Irregular	Overflow	20		1.60	1.50					
HL_DS005701_O2	HL_DS005701	HL_DS003699	Irregular	Overflow	20		2.00	1.90					
HL_DS005701_O3	HL_DS005701	HL_DS005697	Irregular	Overflow	20		1.90	1.80					
HL_DS005703_O2	HL_DS005703	HL_DS005701	Irregular	Overflow	20		1.85	1.80					
HL_DS005703_O3	HL_DS005703	HL_DS005710	Irregular	Overflow	20		1.85	1.80					
HL_DS005705_O1	HL_DS005703	HL_DS002885	Irregular	Overflow	20		2.15	2.10					
HL_DS005715_O1	HL_DS005715	HL_DS002906	Irregular	Overflow	20		1.85	1.80					
HL_DS005715_O2	HL_DS005715	HL_DS002930	Irregular	Overflow	20		1.90	1.80					
HL_DS005717_O1	HL_DS005717	HL_DS002919	Irregular	Overflow	20		2.20	2.10					
HL_DS005717_O2	HL_DS005717	HL_DS002876	Irregular	Overflow	20		2.15	2.10					
HL_DS005717_O3	HL_DS005717	HL_DS002939	Irregular	Overflow	20		2.10	2.00					
HL_DS005718_O1	HL_DS005718	HL_DS002933	Irregular	Overflow	20		1.85	1.80					
HL_DS005718_O2	HL_DS005718	HL_DS005715	Irregular	Overflow	20		1.80	1.70					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS005723_O	HL_DS005723	HL_DS005710	Irregular	Overflow	20		1.95	1.90					
HL_DS005726_O1	HL_DS005726	HL_DS002875	Irregular	Overflow	20		1.80	1.70					
HL_DS005726_O2	HL_DS005726	HL_DMH000235	Irregular	Overflow	20		1.70	1.60					
HL_DS005757_O1	HL_DS005757	HL_DMH000842	Irregular	Overflow	20		1.60	1.50					
HL_DS005757_O2	HL_DS005757	HL_DS000483	Irregular	Overflow	20		1.10	1.00					
HL_DS005761_O1	HL_DS005761	HL_DS005812	Irregular	Overflow	20		1.40	1.30					
HL_DS005761_O2	HL_DS005761	HL_DMH002050	Irregular	Overflow	20		1.90	1.80					
HL_DS005774_O	HL_DS005774	HL_DS003757	Irregular	Overflow	20		1.15	1.10					
HL_DS005796_O1	HL_DS005796	HL_DS007707	Irregular	Overflow	20		1.30	1.20					
HL_DS005796_O2	HL_DS005796	HL_DS007760	Irregular	Overflow	20		1.55	1.50					
HL_DS005801_O1	HL_DS005801	HL_DS007761	Irregular	Overflow	20		1.55	1.50					
HL_DS005801_O2	HL_DS005801	HL_DS002453	Irregular	Overflow	20		1.30	1.20					
HL_DS005808_O	HL_DS005808	HL_DS005801	Irregular	Overflow	20		1.20	1.10					
HL_DS005812_O	HL_DS005812	HL_DMH001448	Irregular	Overflow	20		1.35	1.30					
HL_DS005927_O	HL_DS005927	HL_DMH002048	Irregular	Overflow	20		3.65	3.60					
HL_DS005940_O1	HL_DS005940	HL_DS006038	Irregular	Overflow	20		2.30	2.20					
HL_DS005940_O2	HL_DS005940	HL_DS005941	Irregular	Overflow	20		2.40	2.30					
HL_DS005941_O1	HL_DS005941	HL_DS005942	Irregular	Overflow	20		2.30	2.20					
HL_DS005941_O2	HL_DS005941	HL_DO000406	Irregular	Overflow	20		2.50	2.40					
HL_DS005942_O	HL_DS005942	HL_DS005943	Irregular	Overflow	20		2.40	2.30					
HL_DS005943_O	HL_DS005943	HL_DS006037	Irregular	Overflow	20		2.35	2.30					
HL_DS005943_O2	HL_DS005943	HL_AGE999111	Irregular	Overflow	20		2.15	2.10					
HL_DS005947_O1	HL_DS005947	HL_DS005543	Irregular	Overflow	20		2.05	2.00					
HL_DS005947_O2	HL_DS005947	HL_DS003669	Irregular	Overflow	20		1.90	1.80					
HL_DS005953_O1	HL_DS005953	HL_DO000423	Irregular	Overflow	20		2.15	2.10					
HL_DS005953_O2	HL_DS005953	HL_DS005543	Irregular	Overflow	20		2.05	2.00					
HL_DS005960_O1	HL_DS005960	HL_DS006475	Irregular	Overflow	20		2.35	2.30					
HL_DS005960_O2	HL_DS005960	HL_DO000423	Irregular	Overflow	20		2.40	2.30					
HL_DS005962_O	HL_DS005962	HL_DO000428	Irregular	Overflow	20		2.40	2.30					
HL_DS005969_O	HL_DS005969	HL_DS009506	Irregular	Overflow	20		7.05	7.00					
HL_DS005971_O1	HL_DS005971	HL_DS005969	Irregular	Overflow	20		7.10	7.00					
HL_DS005971_O2	HL_DS005971	HL_DS009506	Irregular	Overflow	20		6.30	6.20					
HL_DS005974_O1	HL_DS005974	HL_DS006484	Irregular	Overflow	20		2.50	2.40					
HL_DS005974_O2	HL_DS005974	HL_DS002448	Irregular	Overflow	20		2.90	2.80					
HL_DS005997_O	HL_DS005997	HL_AGE999027	Irregular	Overflow	20		8.05	8.00					
HL_DS006022_O1	HL_DS006022	HL_AGE999011	Irregular	Overflow	20		3.05	3.00					
HL_DS006022_O2	HL_DS006022	HL_DS005704	Irregular	Overflow	20		3.05	3.00					
HL_DS006022_O3	HL_DS006022	HL_DO000539	Irregular	Overflow	20		3.15	3.10					
HL_DS006023_O	HL_DS006023	HL_AGE999109	Irregular	Overflow	20		1.90	1.80					
HL_DS006033_O1	HL_DS006033	HL_AGE999011	Irregular	Overflow	20		3.35	3.30					
HL_DS006033_O2	HL_DS006033	HL_DO000539	Irregular	Overflow	20		3.40	3.30					
HL_DS006037_O1	HL_DS006037	HL_DS008152	Irregular	Overflow	20		3.75	3.70					
HL_DS006037_O2	HL_DS006037	HL_DS008150	Irregular	Overflow	20		3.70	3.60					
HL_DS006038_O	HL_DS006038	HL_DS006037	Irregular	Overflow	20		2.25	2.20					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS006314_O1	HL_DS006314	HL_DS007541	Irregular	Overflow	20		8.15	8.10					
HL_DS006314_O2	HL_DS006314	HL_DS006452	Irregular	Overflow	20		7.90	7.80					
HL_DS006337_O	HL_DS006337	HL_DS002463	Irregular	Overflow	20		2.45	2.40					
HL_DS006353_O1	HL_DS006353	HL_DO000845	Irregular	Overflow	20		4.60	4.50					
HL_DS006353_O2	HL_DS006353	HL_DS006618	Irregular	Overflow	20		4.70	4.60					
HL_DS006358_O1	HL_DS006358	HL_DS005505	Irregular	Overflow	20		7.30	7.20					
HL_DS006358_O2	HL_DS006358	HL_DS005997	Irregular	Overflow	20		8.00	7.90					
HL_DS006370_O	HL_DS006370	HL_DO000539	Irregular	Overflow	20		4.80	4.70					
HL_DS006378_O1	HL_DS006378	HL_DS003984	Irregular	Overflow	20		1.25	1.20					
HL_DS006378_O2	HL_DS006378	HL_DS009035	Irregular	Overflow	20		1.30	1.20					
HL_DS006378_O4	HL_DS006378	HL_AGE999109	Irregular	Overflow	20		2.10	2.00					
HL_DS006378_O5	HL_DS006378	HL_DS002869	Irregular	Overflow	20		1.60	1.50					
HL_DS006441_O	HL_DS006441	HL_DS006442	Irregular	Overflow	20		6.10	6.00					
HL_DS006442_O	HL_DS006442	HL_DMH001523	Irregular	Overflow	20		6.20	6.10					
HL_DS006452_O	HL_DS006452	HL_DS006499	Irregular	Overflow	20		7.80	7.70					
HL_DS006456_O1	HL_DS006456	HL_DS008051	Irregular	Overflow	20		2.65	2.60					
HL_DS006456_O2	HL_DS006456	HL_DS002811	Irregular	Overflow	20		2.55	2.50					
HL_DS006457_O1	HL_DS006457	HL_AGE999033	Irregular	Overflow	20		2.80	2.70					
HL_DS006457_O2	HL_DS006457	HL_DS006456	Irregular	Overflow	20		3.00	2.90					
HL_DS006469_O1	HL_DS006469	HL_DO000432	Irregular	Overflow	20		3.00	2.90					
HL_DS006469_O2	HL_DS006469	HL_DS005960	Irregular	Overflow	20		3.05	3.00					
HL_DS006484_O1	HL_DS006484	HL_DS006480	Irregular	Overflow	20		2.35	2.30					
HL_DS006484_O2	HL_DS006484	HL_DS008083	Irregular	Overflow	20		2.60	2.50					
HL_DS006499_O1	HL_DS006499	HL_AGE999033	Irregular	Overflow	20		7.70	7.60					
HL_DS006499_O2	HL_DS006499	HL_DS005505	Irregular	Overflow	20		7.75	7.70					
HL_DS006499_O3	HL_DS006499	HL_DS006358	Irregular	Overflow	20		8.00	7.90					
HL_DS006560_O1	HL_DS006560	HL_DS006561	Irregular	Overflow	20		3.65	3.60					
HL_DS006560_O2	HL_DS006560	HL_AGE999013	Irregular	Overflow	20		3.50	3.40					
HL_DS006579_O1	HL_DS006579	HL_DS006338	Irregular	Overflow	20		4.60	4.50					
HL_DS006579_O2	HL_DS006579	HL_DS006168	Irregular	Overflow	20		5.50	5.40					
HL_DS006579_O3	HL_DS006579	HL_DS006582	Irregular	Overflow	20		5.00	4.90					
HL_DS006582_O	HL_DS006582	HL_DS009308	Irregular	Overflow	20		5.40	5.30					
HL_DS006597_O1	HL_DS006597	HL_DO000846	Irregular	Overflow	20		5.60	5.50					
HL_DS006597_O2	HL_DS006597	HL_DS009308	Irregular	Overflow	20		4.80	4.70					
HL_DS006597_O3	HL_DS006597	HL_DS006601	Irregular	Overflow	20		5.60	5.50					
HL_DS006601_O	HL_DS006601	HL_DS006168	Irregular	Overflow	20		5.50	5.40					
HL_DS006615_O1	HL_DS006615	HL_DS006620	Irregular	Overflow	20		5.25	5.20					
HL_DS006615_O2	HL_DS006615	HL_DS006618	Irregular	Overflow	20		5.25	5.20					
HL_DS007073_O	HL_DS007073	HL_DS006561	Irregular	Overflow	20		3.80	3.70					
HL_DS007075_O	HL_DS007075	HL_DS007217	Irregular	Overflow	20		4.90	4.80					
HL_DS007138_O1	HL_DS007138	HL_DS000365	Irregular	Overflow	20		1.55	1.50					
HL_DS007138_O2	HL_DS007138	HL_DS004397	Irregular	Overflow	20		1.60	1.50					
HL_DS007138_O3	HL_DS007138	HL_DS004398	Irregular	Overflow	20		1.80	1.70					
HL_DS007146_O	HL_DS007146	HL_PS000009	Irregular	Overflow	20		2.00	1.90					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS007150_O1	HL_DS007150	HL_DS007146	Irregular	Overflow	20		2.30	2.20					
HL_DS007150_O2	HL_DS007150	HL_DS007153	Irregular	Overflow	20		2.40	2.30					
HL_DS007152_O1	HL_DS007152	HL_DS007241	Irregular	Overflow	20		5.45	5.40					
HL_DS007152_O2	HL_DS007152	HL_DS007272	Irregular	Overflow	20		5.75	5.70					
HL_DS007153_O	HL_DS007153	HL_DS008902	Irregular	Overflow	20		2.10	2.00					
HL_DS007160_O1	HL_DS007160	HL_DS003136	Irregular	Overflow	20		5.75	5.70					
HL_DS007160_O2	HL_DS007160	HL_AGE999047	Irregular	Overflow	20		5.70	5.60					
HL_DS007160_O3	HL_DS007160	HL_DMH000340	Irregular	Overflow	20		6.20	6.10					
HL_DS007163_O	HL_DS007163	HL_PS000009	Irregular	Overflow	20		1.60	1.50					
HL_DS007187_O1	HL_DS007187	HL_DS007188	Irregular	Overflow	20		5.45	5.40					
HL_DS007187_O2	HL_DS007187	HL_DS008090	Irregular	Overflow	20		5.40	5.30					
HL_DS007188_O1	HL_DS007188	HL_DS004540	Irregular	Overflow	20		4.75	4.70					
HL_DS007188_O2	HL_DS007188	HL_DMH001639	Irregular	Overflow	20		5.70	5.60					
HL_DS007191_O1	HL_DS007191	HL_DS007196	Irregular	Overflow	20		5.30	5.20					
HL_DS007191_O2	HL_DS007191	HL_DS004540	Irregular	Overflow	20		4.70	4.60					
HL_DS007196_O1	HL_DS007196	HL_DS001615	Irregular	Overflow	20		4.30	4.20					
HL_DS007196_O2	HL_DS007196	HL_DS004576	Irregular	Overflow	20		4.30	4.20					
HL_DS007217_O	HL_DS007217	PE_AGE999121	Irregular	Overflow	20		4.20	4.10					
HL_DS007241_O	HL_DS007241	HL_DS007272	Irregular	Overflow	20		5.80	5.70					
HL_DS007247_O1	HL_DS007247	HL_DMH001523	Irregular	Overflow	20		5.20	5.10					
HL_DS007247_O2	HL_DS007247	HL_DS003136	Irregular	Overflow	20		5.30	5.20					
HL_DS007263_O	HL_DS007263	HL_DO000409	Irregular	Overflow	20		2.70	2.60					
HL_DS007265_O	HL_DS007265	HL_AGE999112	Irregular	Overflow	20		2.65	2.60					
HL_DS007266_O	HL_DS007266	HL_DS007263	Irregular	Overflow	20		4.00	3.90					
HL_DS007267_O	HL_DS007267	HL_DS005962	Irregular	Overflow	20		2.70	2.60					
HL_DS007270_O	HL_DS007270	HL_DS003015	Irregular	Overflow	20		5.80	5.70					
HL_DS007272_O	HL_DS007272	HL_DS003296	Irregular	Overflow	20		5.75	5.70					
HL_DS007272_O1	HL_DS007272	HL_DS007274	Irregular	Overflow	20		4.80	4.70					
HL_DS007272_O2	HL_DS007272	HL_DS007273	Irregular	Overflow	20		5.60	5.50					
HL_DS007273_O	HL_DS007273	HL_DS003291	Irregular	Overflow	20		6.35	6.30					
HL_DS007317_O	HL_DS007317	HL_CDW98910	Irregular	Overflow	20		2.20	2.10					
HL_DS007524_O1	HL_DS007524	HL_DS002972	Irregular	Overflow	20		1.80	1.70					
HL_DS007524_O2	HL_DS007524	HL_DS003730	Irregular	Overflow	20		2.00	1.90					
HL_DS007527_O	HL_DS007527	HL_DMH000861	Irregular	Overflow	20		1.05	1.00					
HL_DS007541_O	HL_DS007541	HL_DS007543	Irregular	Overflow	20		8.05	8.00					
HL_DS007578_O	HL_DS007578	RP_DMH001608	Irregular	Overflow	20		6.50	6.40					
HL_DS007579_O	HL_DS007579	HL_DS007578	Irregular	Overflow	20		6.05	6.00					
HL_DS007583_O	HL_DS007583	HL_DS007579	Irregular	Overflow	20		6.20	6.10					
HL_DS007601_O1	HL_DS007601	HL_DS007604	Irregular	Overflow	20		3.30	3.20					
HL_DS007601_O2	HL_DS007601	HL_DMH001441	Irregular	Overflow	20		2.90	2.80					
HL_DS007604_O1	HL_DS007604	HL_DMH001441	Irregular	Overflow	20		3.05	3.00					
HL_DS007604_O2	HL_DS007604	HL_AGE999046	Irregular	Overflow	20		3.55	3.50					
HL_DS007693_O1	HL_DS007693	HL_DS003049	Irregular	Overflow	20		1.70	1.60					
HL_DS007693_O2	HL_DS007693	HL_DMH001448	Irregular	Overflow	20		1.30	1.20					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS007699_O1	HL_DS007699	HL_DS005571	Irregular	Overflow	20		1.70	1.60					
HL_DS007699_O2	HL_DS007699	HL_DM001449	Irregular	Overflow	20		1.30	1.20					
HL_DS007701_O1	HL_DS007701	HL_DS003031	Irregular	Overflow	20		1.45	1.40					
HL_DS007701_O2	HL_DS007701	HL_DM001449	Irregular	Overflow	20		1.30	1.20					
HL_DS007707_O	HL_DS007707	HL_DM001454	Irregular	Overflow	20		1.30	1.20					
HL_DS007708_O1	HL_DS007708	HL_DS003836	Irregular	Overflow	20		1.20	1.10					
HL_DS007708_O2	HL_DS007708	HL_DM001454	Irregular	Overflow	20		1.30	1.20					
HL_DS007749_O1	HL_DS007749	HL_DS007755	Irregular	Overflow	20		1.60	1.50					
HL_DS007749_O2	HL_DS007749	HL_DS000365	Irregular	Overflow	20		1.55	1.50					
HL_DS007751_O1	HL_DS007751	HL_DS005812	Irregular	Overflow	20		1.40	1.30					
HL_DS007751_O2	HL_DS007751	HL_DS005571	Irregular	Overflow	20		1.80	1.70					
HL_DS007755_O1	HL_DS007755	HL_DS005808	Irregular	Overflow	20		1.45	1.40					
HL_DS007755_O2	HL_DS007755	HL_DS004387	Irregular	Overflow	20		1.25	1.20					
HL_DS007760_O1	HL_DS007760	HL_DS003762	Irregular	Overflow	20		1.05	1.00					
HL_DS007760_O2	HL_DS007760	HL_DS003018	Irregular	Overflow	20		1.25	1.20					
HL_DS007761_O1	HL_DS007761	HL_DS003769	Irregular	Overflow	20		1.00	0.90					
HL_DS007761_O2	HL_DS007761	HL_DS003751	Irregular	Overflow	20		1.00	0.90					
HL_DS007765_O1	HL_DS007765	HL_DS003840	Irregular	Overflow	20		1.90	1.80					
HL_DS007765_O2	HL_DS007765	HL_DS003311	Irregular	Overflow	20		2.00	1.90					
HL_DS007905_O	HL_DS007905	HL_DS007317	Irregular	Overflow	20		4.65	4.60					
HL_DS007905_O1	HL_DS007905	BC_AGE999077	Irregular	Overflow	20		4.60	4.50					
HL_DS007905_O2	HL_DS007905	BC_AGE999104	Irregular	Overflow	20		4.60	4.50					
HL_DS007908_O	HL_DS007908	HL_DS007912	Irregular	Overflow	20		5.00	4.90					
HL_DS007912_O	HL_DS007912	HL_DS000908	Irregular	Overflow	20		4.50	4.40					
HL_DS008014_O	HL_DS008014	HL_DO000754	Irregular	Overflow	20		4.00	3.90					
HL_DS008045_O	HL_DS008045	HL_AGE999132	Irregular	Overflow	20		4.90	4.80					
HL_DS008045_O1	HL_DS008045	HL_DS008050	Irregular	Overflow	20		4.60	4.50					
HL_DS008045_O2	HL_DS008045	HL_DS008051	Irregular	Overflow	20		4.70	4.60					
HL_DS008050_O	HL_DS008050	HL_DS008051	Irregular	Overflow	20		1.20	1.10		15.00			
HL_DS008051_O1	HL_DS008051	HL_DO000754	Irregular	Overflow	20		2.15	2.10					
HL_DS008051_O2	HL_DS008051	HL_DO000156	Irregular	Overflow	20		3.00	2.90					
HL_DS008083_O	HL_DS008083	HL_DS008085	Irregular	Overflow	20		2.60	2.50					
HL_DS008085_O	HL_DS008085	HL_DS008086	Irregular	Overflow	20		2.40	2.30					
HL_DS008085_O2	HL_DS008085	HL_DS005630	Irregular	Overflow	20		2.30	2.20					
HL_DS008086_O1	HL_DS008086	HL_DS005962	Irregular	Overflow	20		2.65	2.60					
HL_DS008086_O2	HL_DS008086	HL_DO000762	Irregular	Overflow	20		2.85	2.80					
HL_DS008090_O1	HL_DS008090	HL_DS001801	Irregular	Overflow	20		4.35	4.30					
HL_DS008090_O2	HL_DS008090	HL_AGE999034	Irregular	Overflow	20		4.40	4.30					
HL_DS008143_O1	HL_DS008143	HL_DS005701	Irregular	Overflow	20		2.30	2.20					
HL_DS008143_O2	HL_DS008143	HL_IN10429	Irregular	Overflow	20		1.65	1.60					
HL_DS008146_O1	HL_DS008146	HL_DS008145	Irregular	Overflow	20		4.35	4.30					
HL_DS008146_O2	HL_DS008146	HL_DS008147	Irregular	Overflow	20		4.30	4.20					
HL_DS008149_O	HL_DS008149	HL_DO000539	Irregular	Overflow	20		3.70	3.60					
HL_DS008173_O1	HL_DS008173	HL_DO000232	Irregular	Overflow	20		4.90	4.80					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS008173_O2	HL_DS008173	HL_DO000235	Irregular	Overflow	20		4.70	4.60					
HL_DS008317_O1	HL_DS008317	HL_DS003702	Irregular	Overflow	20		2.00	1.90					
HL_DS008317_O2	HL_DS008317	HL_DMH000235	Irregular	Overflow	20		1.75	1.70					
HL_DS008318_O1	HL_DS008318	HL_DS008317	Irregular	Overflow	20		1.80	1.70					
HL_DS008318_O2	HL_DS008318	HL_DS005726	Irregular	Overflow	20		1.75	1.70					
HL_DS008318_O3	HL_DS008318	HL_DMH000237	Irregular	Overflow	20		2.05	2.00					
HL_DS008403_O	HL_DS008403	HL_DS008400	Irregular	Overflow	20		6.55	6.50					
HL_DS008405_O	HL_DS008405	HL_DS008403	Irregular	Overflow	20		6.60	6.50					
HL_DS008412_O	HL_DS008412	HL_DS008413	Irregular	Overflow	20		6.00	5.90					
HL_DS008413_O1	HL_DS008413	HL_DS008403	Irregular	Overflow	20		6.85	6.80					
HL_DS008413_O2	HL_DS008413	HL_DS008433	Irregular	Overflow	20		5.85	5.80					
HL_DS008424_O	HL_DS008424	HL_DS008421	Irregular	Overflow	20		5.20	5.10					
HL_DS008426_O	HL_DS008426	HL_DS008424	Irregular	Overflow	20		5.15	5.10					
HL_DS008431_O	HL_DS008431	HL_DMH001568	Irregular	Overflow	20		5.55	5.50					
HL_DS008433_O1	HL_DS008433	HL_DS008431	Irregular	Overflow	20		5.85	5.80					
HL_DS008433_O2	HL_DS008433	HL_DS008445	Irregular	Overflow	20		5.70	5.60					
HL_DS008445_O	HL_DS008445	HL_DS008424	Irregular	Overflow	20		5.10	5.00					
HL_DS008452_O1	HL_DS008452	HL_DS008405	Irregular	Overflow	20		6.60	6.50					
HL_DS008452_O2	HL_DS008452	HL_DMH001579	Irregular	Overflow	20		6.35	6.30					
HL_DS008465_O	HL_DS008465	HL_DO000539	Irregular	Overflow	20		3.50	3.40					
HL_DS008466_O1	HL_DS008466	HL_DS009039	Irregular	Overflow	20		1.95	1.90					
HL_DS008466_O2	HL_DS008466	HL_DS002951	Irregular	Overflow	20		2.20	2.10					
HL_DS008467_O1	HL_DS008467	HL_DS008466	Irregular	Overflow	20		1.85	1.80					
HL_DS008467_O2	HL_DS008467	HL_DS002909	Irregular	Overflow	20		1.90	1.80					
HL_DS008467_O3	HL_DS008467	HL_DMH000230	Irregular	Overflow	20		2.05	2.00					
HL_DS008467_O4	HL_DS008467	HL_DS002875	Irregular	Overflow	20		2.10	2.00					
HL_DS008894_O1	HL_DS008894	HL_DS003098	Irregular	Overflow	20		1.65	1.60					
HL_DS008894_O2	HL_DS008894	HL_AGE999003	Irregular	Overflow	20		3.10	3.00					
HL_DS009035_O	HL_DS009035	HL_DS009033	Irregular	Overflow	20		1.60	1.50					
HL_DS009036_O1	HL_DS009036	HL_DS009035	Irregular	Overflow	20		1.55	1.50					
HL_DS009036_O2	HL_DS009036	HL_DS002913	Irregular	Overflow	20		1.40	1.30					
HL_DS009041_O	HL_DS009041	HL_DS009039	Irregular	Overflow	20		2.00	1.90					
HL_DS009043_O	HL_DS009043	HL_DS002934	Irregular	Overflow	20		2.25	2.20					
HL_DS009045_O1	HL_DS009045	HL_DS009043	Irregular	Overflow	20		2.25	2.20					
HL_DS009045_O2	HL_DS009045	HL_DS009046	Irregular	Overflow	20		1.90	1.80					
HL_DS009244_O	HL_DS009244	HL_AGE999012	Irregular	Overflow	20		2.80	2.70					
HL_DS009343_O	HL_DS009343	HL_DS005553	Irregular	Overflow	20		6.60	6.50					
HL_DS009506_O	HL_DS009506	HL_DS005974	Irregular	Overflow	20		5.65	5.60					
HL_DS009508_O1	HL_DS009508	HL_DS005648	Irregular	Overflow	20		5.75	5.70					
HL_DS009508_O2	HL_DS009508	HL_DS005974	Irregular	Overflow	20		5.80	5.70					
HL_DS009509_O	HL_DS009509	HL_DS005646	Irregular	Overflow	20		3.10	3.00					
HL_DS009534_O	HL_DS009534	HL_DS009543	Irregular	Overflow	20		4.45	4.40					
HL_DS009536_O1	HL_DS009536	HL_DMH002048	Irregular	Overflow	20		4.30	4.20					
HL_DS009536_O2	HL_DS009536	HL_DMH001431	Irregular	Overflow	20		3.90	3.80					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS009543_O	HL_DS009543	HL_DS004668	Irregular	Overflow	20		3.20	3.10					
HL_DS009550_O	HL_DS009550	HL_DS005648	Irregular	Overflow	20		5.00	4.90					
HL_DS009553_O1	HL_DS009553	HL_DS001807	Irregular	Overflow	20		3.15	3.10					
HL_DS009553_O2	HL_DS009553	HL_AGE999009	Irregular	Overflow	20		3.90	3.80					
HL_DS010009_O1	HL_DS010009	HL_DS003786	Irregular	Overflow	20		1.80	1.70					
HL_DS010009_O2	HL_DS010009	HL_DS003839	Irregular	Overflow	20		2.50	2.40					
HL_IN10429_O	HL_IN10429	HL_DS006037	Irregular	Overflow	20		2.35	2.30					
HL_NID10034_O1	HL_NID10034	HL_NID10042	Irregular	Overflow	20		3.70	3.60					
HL_NID10034_O2	HL_NID10034	HL_DM001582	Irregular	Overflow	20		3.70	3.60					
HL_NID10042_O	HL_NID10042	HL_DS005490	Irregular	Overflow	20		3.60	3.50					
HL_NID10046_O	HL_NID10046	HL_AGE999073	Irregular	Overflow	20		2.10	2.00					
HL_PS000010_O1	HL_PS000010	HL_DO000424	Irregular	Overflow	20		3.30	3.20					
HL_PS000010_O2	HL_PS000010	HL_DS007265	Irregular	Overflow	20		3.50	3.40					
HL_SDS007264_O	HL_SDS007264	HL_AGE999117	Irregular	Overflow	20		3.90	3.80					
NB_DM0FRK140_O	NB_DM0FRK140	NB_DSBLB202	Irregular	Overflow	20		1.91	1.86					
NB_DM0FRK140_O	NB_DM0FRK140	NB_DSFRK150	Irregular	Overflow	20		1.95	1.90					
NB_DS007068_O	NB_DS007068	NB_DS006249	Irregular	Overflow	20		2.62	2.57					
NB_DS007069_O	NB_DS007069	PE_CICW98031	Irregular	Overflow	20		1.91	1.86					
NB_DSALN101_O	NB_DSALN101	NB_DSFRK205	Irregular	Overflow	20		2.25	2.20					
NB_DSBLB105_O1	NB_DSBLB105	NB_DSBLB203	Irregular	Overflow	20		1.55	1.50					
NB_DSBLB105_O2	NB_DSBLB105	NB_DSBLB103	Irregular	Overflow	20		1.80	1.70					
NB_DSBLB202_O	NB_DSBLB202	NB_DSBLB103	Irregular	Overflow	20		1.65	1.60					
NB_DSBLB203_O	NB_DSBLB203	NB_DSBLB202	Irregular	Overflow	20		1.60	1.50					
NB_DSCDY101_O	NB_DSCDY101	PE_CICW98030	Irregular	Overflow	20		2.66	2.61					
NB_DSFRK107_O	NB_DSFRK107	NB_DSFRK114	Irregular	Overflow	20		1.55	1.50					
NB_DSFRK114_O	NB_DSFRK114	NB_DM0FRK140	Irregular	Overflow	20		2.05	2.00					
NB_DSFRK150_O	NB_DSFRK150	NB_DSFRK154	Irregular	Overflow	20		1.65	1.60					
NB_DSFRK154_O	NB_DSFRK154	NB_DSBLB203	Irregular	Overflow	20		1.50	1.40					
NB_DSFRK202_O1	NB_DSFRK202	NB_DSFRK107	Irregular	Overflow	20		1.25	1.20					
NB_DSFRK202_O2	NB_DSFRK202	NB_DSFRK101	Irregular	Overflow	20		1.55	1.50					
NB_DSFRK205_O	NB_DSFRK205	NB_DSFRK101	Irregular	Overflow	20		1.91	1.86					
NB-DS007207_O	NB-DS007207	NB_DS007068	Irregular	Overflow	20		1.98	1.93					
NC_AGE999035_O	NC_AGE999035	NC_DS005737	Irregular	Overflow	20		10.55	10.50					
NC_AGE999040_O	NC_AGE999040	NC_DS004366	Irregular	Overflow	20		10.30	10.20					
NC_AGE999043_O1	NC_AGE999043	NC_AGE999035	Irregular	Overflow	20		10.60	10.50					
NC_AGE999043_O2	NC_AGE999043	NC_AGE999060	Irregular	Overflow	20		10.65	10.60					
NC_AGE999043_O3	NC_AGE999043	NC_DS005860	Irregular	Overflow	20		10.65	10.60					
NC_AGE999044_O1	NC_AGE999044	NC_DS005552	Irregular	Overflow	20		10.70	10.60					
NC_AGE999044_O2	NC_AGE999044	NC_DS009455	Irregular	Overflow	20		10.75	10.70					
NC_AGE999055_O1	NC_AGE999055	NC_AGE999059	Irregular	Overflow	20		10.65	10.60					
NC_AGE999055_O2	NC_AGE999055	NC_DS002837	Irregular	Overflow	20		10.70	10.60					
NC_AGE999055_O3	NC_AGE999055	NC_AGE999056	Irregular	Overflow	20		10.75	10.70					
NC_AGE999056_O	NC_AGE999056	NC_DS003166	Irregular	Overflow	20		10.40	10.30					
NC_AGE999059_O	NC_AGE999059	NC_AGE999056	Irregular	Overflow	20		10.50	10.40					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_AGE999060_O1	NC_AGE999060	NC_DS003171	Irregular	Overflow	20		10.30	10.20					
NC_AGE999060_O2	NC_AGE999060	NC_AGE999056	Irregular	Overflow	20		10.25	10.20					
NC_AGE999061_O1	NC_AGE999061	NC_AGE999055	Irregular	Overflow	20		10.75	10.70					
NC_AGE999061_O2	NC_AGE999061	NC_DS002721	Irregular	Overflow	20		10.90	10.80					
NC_DS000381_O	NC_DS000381	NC_DS005860	Irregular	Overflow	20		10.35	10.30					
NC_DS000426_O1	NC_DS000426	NC_DS003871	Irregular	Overflow	20		10.30	10.20					
NC_DS000426_O2	NC_DS000426	NC_DS005122	Irregular	Overflow	20		10.10	10.00					
NC_DS000482_O1	NC_DS000482	NC_DS008835	Irregular	Overflow	20		10.10	10.00					
NC_DS000635_O	NC_DS000635	NC_DS003871	Irregular	Overflow	20		10.30	10.20					
NC_DS000694_O1	NC_DS000694	NC_AGE999035	Irregular	Overflow	20		11.15	11.10					
NC_DS000694_O2	NC_DS000694	NC_AGE999043	Irregular	Overflow	20		11.45	11.40					
NC_DS002721_O1	NC_DS002721	NC_DS002837	Irregular	Overflow	20		10.45	10.40					
NC_DS002837_O	NC_DS002837	NC_DS003298	Irregular	Overflow	20		10.50	10.40					
NC_DS003166_O	NC_DS003166	NC_DS003298	Irregular	Overflow	20		10.50	10.40					
NC_DS003171_O1	NC_DS003171	RP_DS005853	Irregular	Overflow	20		10.10	10.00					
NC_DS003171_O2	NC_DS003171	NC_DS003166	Irregular	Overflow	20		10.15	10.10					
NC_DS003871_O	NC_DS003871	HG_DS003968	Irregular	Overflow	20		9.70	9.60					
NC_DS004331_O1	NC_DS004331	NC_DS005860	Irregular	Overflow	20		10.75	10.70					
NC_DS004331_O2	NC_DS004331	NC_DS005737	Irregular	Overflow	20		10.25	10.20					
NC_DS004352_O	NC_DS004352	NC_DS008380	Irregular	Overflow	20		10.05	10.00					
NC_DS004366_O	NC_DS004366	RP_DS004395	Irregular	Overflow	20		10.20	10.10					
NC_DS004588_O1	NC_DS004588	NC_DS004366	Irregular	Overflow	20		10.20	10.10					
NC_DS004588_O2	NC_DS004588	NC_DS004589	Irregular	Overflow	20		9.50	9.40					
NC_DS004589_O	NC_DS004589	NC_DS008380	Irregular	Overflow	20		10.10	10.00					
NC_DS005066_O1	NC_DS005066	RP_DS005067	Irregular	Overflow	20		11.25	11.20					
NC_DS005122_O1	NC_DS005122	NC_AGE999040	Irregular	Overflow	20		10.30	10.20					
NC_DS005122_O2	NC_DS005122	NC_DS004589	Irregular	Overflow	20		10.30	10.20					
NC_DS005179_O1	NC_DS005179	NC_DS005066	Irregular	Overflow	20		10.95	10.90					
NC_DS005179_O2	NC_DS005179	NC_DS005552	Irregular	Overflow	20		11.00	10.90					
NC_DS005187_O1	NC_DS005187	NC_DS005066	Irregular	Overflow	20		10.80	10.70					
NC_DS005187_O2	NC_DS005187	RP_DS005067	Irregular	Overflow	20		11.05	11.00					
NC_DS005552_O1	NC_DS005552	NC_DS005187	Irregular	Overflow	20		10.70	10.60					
NC_DS005552_O2	NC_DS005552	NC_DS009455	Irregular	Overflow	20		10.45	10.40					
NC_DS005586_O1	NC_DS005586	NC_DS002721	Irregular	Overflow	20		11.15	11.10					
NC_DS005586_O2	NC_DS005586	NC_DS005066	Irregular	Overflow	20		11.00	10.90					
NC_DS005672_O1	NC_DS005672	NC_AGE999043	Irregular	Overflow	20		12.60	12.50					
NC_DS005672_O2	NC_DS005672	NC_AGE999060	Irregular	Overflow	20		12.70	12.60					
NC_DS005672_O3	NC_DS005672	NC_DS005148a	Irregular	Overflow	20		12.50	12.40					
NC_DS005737_O	NC_DS005737	NC_DS004352	Irregular	Overflow	20		10.10	10.00					
NC_DS005911_O1	NC_DS005911	NC_DS008380	Irregular	Overflow	20		11.50	11.40					
NC_DS005911_O2	NC_DS005911	NC_DS000694	Irregular	Overflow	20		11.60	11.50					
NC_DS006490_O	NC_DS006490	BC_DS005978	Irregular	Overflow	20		9.80	9.70					
NC_DS008082_O1	NC_DS008082	NC_AGE999055	Irregular	Overflow	20		11.45	11.40					
NC_DS008082_O2	NC_DS008082	NC_AGE999061	Irregular	Overflow	20		11.35	11.30					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
NC_DS008380_O1	NC_DS008380	NC_DS004588	Irregular	Overflow	20		10.05	10.00					
NC_DS008380_O2	NC_DS008380	RP_DS004603	Irregular	Overflow	20		10.40	10.30					
NC_DS008784_O	NC_DS008784	RP_DS004395	Irregular	Overflow	20		10.30	10.20					
NC_DS008786_O	NC_DS008786	RP_DS004395	Irregular	Overflow	20		10.25	10.20					
NC_DS008787_O1	NC_DS008787	NC_DS008788	Irregular	Overflow	20		10.10	10.00					
NC_DS008787_O2	NC_DS008787	NC_DS008784	Irregular	Overflow	20		10.55	10.50					
NC_DS008787_O3	NC_DS008787	NC_DS008786	Irregular	Overflow	20		10.60	10.50					
NC_DS008788_O	NC_DS008788	NC_AGE999040	Irregular	Overflow	20		10.45	10.40					
NC_DS008835_O1	NC_DS008835	NC_DS000635	Irregular	Overflow	20		10.55	10.50					
NC_DS008835_O2	NC_DS008835	NC_DS003871	Irregular	Overflow	20		10.55	10.50					
NC_DS008835_O3	NC_DS008835	NC_DS000426	Irregular	Overflow	20		10.75	10.70					
NC_DS009455_O	NC_DS009455	NC_DS006490	Irregular	Overflow	20		10.35	10.30					
NC_DS009734_O1	NC_DS009734	NC_DS008380	Irregular	Overflow	20		11.40	11.30					
NC_DS009734_O2	NC_DS009734	NC_DS009729	Irregular	Overflow	20		12.00	11.90					
NC_DS009741_O1	NC_DS009741	NC_DS008380	Irregular	Overflow	20		11.65	11.60					
NC_DS009741_O2	NC_DS009741	NC_DS005911	Irregular	Overflow	20		11.30	11.20					
NC_DS009743_O	NC_DS009743	NC_DS009741	Irregular	Overflow	20		10.45	10.40					
NC_DS009749_O1	NC_DS009749	NC_DS009743	Irregular	Overflow	20		11.70	11.60					
NC_DS009749_O2	NC_DS009749	NC_AGE999035	Irregular	Overflow	20		11.60	11.50					
PE_AGE999015_O1	PE_AGE999015	PE_CICW98030	Irregular	Overflow	20		3.00	2.90					
PE_AGE999015_O2	PE_AGE999015	PE_DO000723	Irregular	Overflow	20		3.00	2.90					
PE_AGE999016_O1	PE_AGE999016	HL_DO000514	Irregular	Overflow	20		3.80	3.70					
PE_AGE999016_O2	PE_AGE999016	HL_CWL98155	Irregular	Overflow	20		2.90	2.80					
PE_AGE999016_O3	PE_AGE999016	HL_AGE999120	Irregular	Overflow	20		2.80	2.70					
PE_AGE999026_O1	PE_AGE999026	BC_AGE999091	Irregular	Overflow	20		3.60	3.50					
PE_AGE999058_O	PE_AGE999058	HL_DS006560	Irregular	Overflow	20		4.25	4.20					
PE_AGE999200_O	PE_AGE999200	PE_CICW98012	Irregular	Overflow	20		3.20	3.10					
PE_AGE999202_O	PE_AGE999202	PE_CWL98345	Irregular	Overflow	20		3.14	3.09					
PE_CWL98235_O	PE_CWL98235	PE_CICW98030	Irregular	Overflow	20		-1.00	-1.10					
PE_DO000326_O1	PE_DO000326	BC_AGE999133	Irregular	Overflow	20		4.40	4.30					
PE_DO000326_O2	PE_DO000326	PE_AGE999058	Irregular	Overflow	20		4.35	4.30					
PE_DO000730_O	PE_DO000730	PE_CICW98031	Irregular	Overflow	20		2.90	2.80					
PE_DS001979_O	PE_DS001979	PE_DS007461	Irregular	Overflow	20		3.50	3.45					
PE_DS003177_O	PE_DS003177	PE_DO000326	Irregular	Overflow	20		3.85	3.80					
PE_DS003182_O	PE_DS003182	PE_DS003177	Irregular	Overflow	20		4.70	4.60					
PE_DS003183_O	PE_DS003183	PE_DS003177	Irregular	Overflow	20		4.30	4.20					
PE_DS003185_O1	PE_DS003185	PE_DS003182	Irregular	Overflow	20		4.60	4.50					
PE_DS003185_O2	PE_DS003185	PE_DS003183	Irregular	Overflow	20		4.80	4.70					
PE_DS003185_O3	PE_DS003185	PE_DS003186	Irregular	Overflow	20		4.25	4.20					
PE_DS007461_O	PE_DS007461	NB_DSBLB105	Irregular	Overflow	20		3.20	3.15					
PS_AGE999041_O1	PS_AGE999041	PS_DS004630	Irregular	Overflow	20		7.85	7.80					
PS_AGE999041_O2	PS_AGE999041	PS_DS009430	Irregular	Overflow	20		7.75	7.70					
PS_AGE999045_O1	PS_AGE999045	HG_AGE999038	Irregular	Overflow	20		6.55	6.50					
PS_AGE999045_O2	PS_AGE999045	PS_DS001566	Irregular	Overflow	20		6.35	6.30					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
PS_AGE999050_O	PS_AGE999050	PS_DS007193	Irregular	Overflow	20		6.00	5.90					
PS_AGE999051_O1	PS_AGE999051	PS_DS007224	Irregular	Overflow	20		6.05	6.00					
PS_AGE999051_O2	PS_AGE999051	PS_DS001571	Irregular	Overflow	20		6.25	6.20					
PS_AGE999054_O1	PS_AGE999054	PS_AGE999050	Irregular	Overflow	20		6.10	6.00					
PS_AGE999054_O2	PS_AGE999054	PS_DS004490	Irregular	Overflow	20		6.20	6.10					
PS_AGE999057_O1	PS_AGE999057	PS_AGE999063	Irregular	Overflow	20		7.10	7.00					
PS_AGE999057_O2	PS_AGE999057	PS_AGE999051	Irregular	Overflow	20		7.20	7.10					
PS_AGE999063_O1	PS_AGE999063	PS_DS007221	Irregular	Overflow	20		6.40	6.30					
PS_AGE999063_O2	PS_AGE999063	PS_AGE999051	Irregular	Overflow	20		6.25	6.20					
PS_DMH000292_O:PS_DMH000292	PS_DMH000292	PS_DS003932	Irregular	Overflow	20		7.00	6.90					
PS_DMH000292_O:PS_DMH000292	PS_DMH000292	PS_DMH000454	Irregular	Overflow	20		6.75	6.70					
PS_DMH000292_O:PS_DMH000292	PS_DMH000292	PS_DS003810	Irregular	Overflow	20		6.65	6.60					
PS_DMH000383_O:PS_DMH000383	PS_DMH000383	PS_DS003938	Irregular	Overflow	20		7.60	7.50					
PS_DMH000383_O:PS_DMH000383	PS_DMH000383	PS_DS000536	Irregular	Overflow	20		7.60	7.50					
PS_DMH000383_O:PS_DMH000383	PS_DMH000383	PS_DMH000292	Irregular	Overflow	20		7.60	7.50					
PS_DMH000384_O	PS_DMH000384	PS_DMH000383	Irregular	Overflow	20		7.80	7.70					
PS_DMH000385_O:PS_DMH000385	PS_DMH000385	PS_DS003292	Irregular	Overflow	20		7.00	6.90					
PS_DMH000385_O:PS_DMH000385	PS_DMH000385	HL_DS003260	Irregular	Overflow	20		6.70	6.60					
PS_DMH000387_O:PS_DMH000387	PS_DMH000387	PS_DS006443	Irregular	Overflow	20		6.80	6.70					
PS_DMH000387_O:PS_DMH000387	PS_DMH000387	PS_DMH000385	Irregular	Overflow	20		6.20	6.10					
PS_DMH000866_O:PS_DMH000866	PS_DMH000866	PS_DMH000387	Irregular	Overflow	20		6.65	6.60					
PS_DMH000866_O:PS_DMH000866	PS_DMH000866	PS_DS004613	Irregular	Overflow	20		7.15	7.10					
PS_DMH000866_O:PS_DMH000866	PS_DMH000866	PS_DS004421	Irregular	Overflow	20		6.85	6.80					
PS_DS000532_O	PS_DS000532	PS_DMH000866	Irregular	Overflow	20		7.50	7.40					
PS_DS000536_O	PS_DS000536	PS_DS000532	Irregular	Overflow	20		7.55	7.50					
PS_DS001566_O	PS_DS001566	PS_DS001571	Irregular	Overflow	20		6.40	6.30					
PS_DS001571_O1	PS_DS001571	PS_DS007225	Irregular	Overflow	20		6.15	6.10					
PS_DS001571_O2	PS_DS001571	PS_DS001605	Irregular	Overflow	20		5.95	5.90					
PS_DS001605_O1	PS_DS001605	PS_DS007192	Irregular	Overflow	20		5.80	5.70					
PS_DS001605_O2	PS_DS001605	PS_AGE999050	Irregular	Overflow	20		5.90	5.80					
PS_DS001710_O1	PS_DS001710	PS_DS007220	Irregular	Overflow	20		6.60	6.50					
PS_DS001710_O2	PS_DS001710	PS_AGE999063	Irregular	Overflow	20		6.70	6.60					
PS_DS003292_O1	PS_DS003292	HL_DS003291	Irregular	Overflow	20		6.10	6.00					
PS_DS003292_O2	PS_DS003292	PS_DS007558	Irregular	Overflow	20		6.45	6.40					
PS_DS003810_O1	PS_DS003810	PS_DMH000454	Irregular	Overflow	20		6.75	6.70					
PS_DS003810_O2	PS_DS003810	PS_DMH000385	Irregular	Overflow	20		6.60	6.50					
PS_DS003819_O1	PS_DS003819	PS_DS000536	Irregular	Overflow	20		7.30	7.20					
PS_DS003819_O2	PS_DS003819	PS_DS003886	Irregular	Overflow	20		7.65	7.60					
PS_DS003833_O	PS_DS003833	PS_DMH000866	Irregular	Overflow	20		7.30	7.20					
PS_DS003886_O1	PS_DS003886	PS_DS003833	Irregular	Overflow	20		7.50	7.40					
PS_DS003886_O2	PS_DS003886	PS_DS004614	Irregular	Overflow	20		7.80	7.70					
PS_DS003919_O	PS_DS003919	PS_DS003292	Irregular	Overflow	20		6.75	6.70					
PS_DS003936_O1	PS_DS003936	PS_DMH000454	Irregular	Overflow	20		7.25	7.20					
PS_DS003936_O2	PS_DS003936	PS_DS003932	Irregular	Overflow	20		7.20	7.10					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
PS_DS003938_O	PS_DS003938	PS_DS003932	Irregular	Overflow	20		7.70	7.60					
PS_DS004421_O	PS_DS004421	PS_DS006443	Irregular	Overflow	20		6.60	6.50					
PS_DS004423_O	PS_DS004423	PS_DS003819	Irregular	Overflow	20		7.85	7.80					
PS_DS004427_O1	PS_DS004427	PS_DS004630	Irregular	Overflow	20		7.30	7.20					
PS_DS004427_O2	PS_DS004427	PS_DS004619	Irregular	Overflow	20		7.50	7.40					
PS_DS004442_O1	PS_DS004442	PS_DS003886	Irregular	Overflow	20		7.95	7.90					
PS_DS004442_O2	PS_DS004442	PS_DS004614	Irregular	Overflow	20		8.00	7.90					
PS_DS004451_O1	PS_DS004451	PS_DMH000384	Irregular	Overflow	20		8.05	8.00					
PS_DS004451_O2	PS_DS004451	PS_DS004423	Irregular	Overflow	20		8.10	8.00					
PS_DS004469_O	PS_DS004469	PS_DS004491	Irregular	Overflow	20		7.30	7.20					
PS_DS004486_O	PS_DS004486	PS_DS007256	Irregular	Overflow	20		7.25	7.20					
PS_DS004490_O1	PS_DS004490	PS_AGE999050	Irregular	Overflow	20		6.20	6.10					
PS_DS004490_O2	PS_DS004490	PS_DS007290	Irregular	Overflow	20		6.25	6.20					
PS_DS004491_O1	PS_DS004491	PS_DS004505	Irregular	Overflow	20		7.25	7.20					
PS_DS004491_O2	PS_DS004491	PS_DS001710	Irregular	Overflow	20		7.00	6.90					
PS_DS004505_O	PS_DS004505	PS_DS007218	Irregular	Overflow	20		6.65	6.60					
PS_DS004607_O1	PS_DS004607	PS_DS004469	Irregular	Overflow	20		7.60	7.50					
PS_DS004607_O2	PS_DS004607	PS_AGE999057	Irregular	Overflow	20		7.70	7.60					
PS_DS004613_O1	PS_DS004613	PS_DS004421	Irregular	Overflow	20		7.15	7.10					
PS_DS004613_O2	PS_DS004613	PS_DS004427	Irregular	Overflow	20		7.00	6.90					
PS_DS004614_O1	PS_DS004614	PS_DS004617	Irregular	Overflow	20		7.90	7.80					
PS_DS004614_O2	PS_DS004614	PS_DS004613	Irregular	Overflow	20		8.00	7.90					
PS_DS004617_O	PS_DS004617	PS_DS004620	Irregular	Overflow	20		7.65	7.60					
PS_DS004619_O	PS_DS004619	PS_DS007249	Irregular	Overflow	20		6.80	6.70					
PS_DS004620_O	PS_DS004620	PS_DS004627	Irregular	Overflow	20		7.70	7.60					
PS_DS004627_O1	PS_DS004627	PS_AGE999041	Irregular	Overflow	20		7.85	7.80					
PS_DS004627_O2	PS_DS004627	PS_DS009430	Irregular	Overflow	20		7.85	7.80					
PS_DS004627_O3	PS_DS004627	HG_AGE999031	Irregular	Overflow	20		7.80	7.70					
PS_DS004630_O1	PS_DS004630	PS_DS004486	Irregular	Overflow	20		7.40	7.30					
PS_DS004700_O	PS_DS004700	PS_DS004687	Irregular	Overflow	20		6.55	6.50					
PS_DS006443_O	PS_DS006443	PS_DS007249	Irregular	Overflow	20		6.80	6.70					
PS_DS007192_O1	PS_DS007192	HL_DS007191	Irregular	Overflow	20		5.55	5.50					
PS_DS007192_O2	PS_DS007192	PS_DS007193	Irregular	Overflow	20		5.40	5.30					
PS_DS007193_O	PS_DS007193	PS_DS007290	Irregular	Overflow	20		5.40	5.30					
PS_DS007218_O1	PS_DS007218	HL_DMH000340	Irregular	Overflow	20		6.40	6.30					
PS_DS007218_O2	PS_DS007218	PS_DS007220	Irregular	Overflow	20		6.45	6.40					
PS_DS007220_O	PS_DS007220	PS_DS007221	Irregular	Overflow	20		6.20	6.10					
PS_DS007221_O	PS_DS007221	PS_DS007224	Irregular	Overflow	20		5.40	5.30					
PS_DS007224_O1	PS_DS007224	PS_DS007225	Irregular	Overflow	20		5.85	5.80					
PS_DS007224_O2	PS_DS007224	HL_DS007188	Irregular	Overflow	20		5.90	5.80					
PS_DS007225_O	PS_DS007225	PS_DS007192	Irregular	Overflow	20		5.40	5.30					
PS_DS007249_O1	PS_DS007249	PS_DS007256	Irregular	Overflow	20		6.65	6.60					
PS_DS007249_O2	PS_DS007249	HL_DS007247	Irregular	Overflow	20		6.65	6.60					
PS_DS007256_O	PS_DS007256	PS_DS007259	Irregular	Overflow	20		6.40	6.30					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
PS_DS007259_O1	PS_DS007259	PS_DS007261	Irregular	Overflow	20		6.20	6.10					
PS_DS007259_O2	PS_DS007259	HL_DS007160	Irregular	Overflow	20		6.35	6.30					
PS_DS007261_O	PS_DS007261	PS_DS007218	Irregular	Overflow	20		6.30	6.20					
PS_DS007290_O1	PS_DS007290	PS_DS004687	Irregular	Overflow	20		4.30	4.20					
PS_DS007290_O2	PS_DS007290	HL_DS007196	Irregular	Overflow	20		5.00	4.90					
PS_DS009430_O1	PS_DS009430	HG_AGE999031	Irregular	Overflow	20		7.85	7.80					
PS_DS009430_O2	PS_DS009430	PS_DS004607	Irregular	Overflow	20		7.55	7.50					
RP_AGE999017_O	RP_AGE999017	RP_DS005993	Irregular	Overflow	20		9.70	9.60					
RP_AGE999018_O	RP_AGE999018	RP_DS005993	Irregular	Overflow	20		9.00	8.90					
RP_AGE999019_O1	RP_AGE999019	RP_DMH000459	Irregular	Overflow	20		8.40	8.30					
RP_AGE999019_O2	RP_AGE999019	RP_DMH000398	Irregular	Overflow	20		8.60	8.50					
RP_AGE999019_O3	RP_AGE999019	RP_AGE999066	Irregular	Overflow	20		8.60	8.50					
RP_AGE999020_O1	RP_AGE999020	RP_DMH000526	Irregular	Overflow	20		8.60	8.50					
RP_AGE999020_O2	RP_AGE999020	RP_DMH000457	Irregular	Overflow	20		8.60	8.50					
RP_AGE999020_O3	RP_AGE999020	RP_AGE999019	Irregular	Overflow	20		8.55	8.50					
RP_AGE999021_O	RP_AGE999021	RP_DS003752	Irregular	Overflow	20		9.80	9.70					
RP_AGE999023_O	RP_AGE999023	RP_AGE999029	Irregular	Overflow	20		8.35	8.30					
RP_AGE999024_O	RP_AGE999024	RP_DS005611	Irregular	Overflow	20		7.90	7.80					
RP_AGE999025_O1	RP_AGE999025	RP_DS003723	Irregular	Overflow	20		8.50	8.40					
RP_AGE999025_O2	RP_AGE999025	RP_DS004349	Irregular	Overflow	20		8.40	8.30					
RP_AGE999029_O	RP_AGE999029	RP_DS005721	Irregular	Overflow	20		7.30	7.20					
RP_AGE999030_O	RP_AGE999030	RP_DS002871	Irregular	Overflow	20		10.25	10.20					
RP_AGE999064_O	RP_AGE999064	RP_DS009450	Irregular	Overflow	20		10.00	9.90					
RP_AGE999066_O1	RP_AGE999066	RP_DMH000398	Irregular	Overflow	20		8.15	8.10					
RP_AGE999066_O2	RP_AGE999066	RP_AGE999024	Irregular	Overflow	20		8.35	8.30					
RP_DMH000393_O:RP_DMH000393	RP_DMH000393	HL_DS006452	Irregular	Overflow	20		8.25	8.20					
RP_DMH000393_O:RP_DMH000393	RP_DMH000393	RP_DMH000526	Irregular	Overflow	20		8.10	8.00					
RP_DMH000398_O	RP_DMH000398	RP_DMH000481	Irregular	Overflow	20		7.30	7.20					
RP_DMH000419_O:RP_DMH000419	RP_DMH000419	RP_DMH000425	Irregular	Overflow	20		7.00	6.90					
RP_DMH000419_O:RP_DMH000419	RP_DMH000419	HL_DMH000524	Irregular	Overflow	20		7.10	7.00					
RP_DMH000425_O	RP_DMH000425	RP_DMH000430	Irregular	Overflow	20		6.55	6.50					
RP_DMH000430_O:RP_DMH000430	RP_DMH000430	RP_DMH000434	Irregular	Overflow	20		6.65	6.60					
RP_DMH000430_O:RP_DMH000430	RP_DMH000430	HL_DS004658	Irregular	Overflow	20		6.85	6.80					
RP_DMH000434_O	RP_DMH000434	RP_DS004680	Irregular	Overflow	20		6.75	6.70					
RP_DMH000457_O:RP_DMH000457	RP_DMH000457	RP_DMH000459	Irregular	Overflow	20		7.90	7.80					
RP_DMH000457_O:RP_DMH000457	RP_DMH000457	HL_DS005997	Irregular	Overflow	20		8.00	7.90					
RP_DMH000459_O	RP_DMH000459	RP_DMH000398	Irregular	Overflow	20		7.90	7.80					
RP_DMH000480_O	RP_DMH000480	RP_DS003301	Irregular	Overflow	20		6.70	6.60					
RP_DMH000481_O:RP_DMH000481	RP_DMH000481	HL_DS005971	Irregular	Overflow	20		7.45	7.40					
RP_DMH000481_O:RP_DMH000481	RP_DMH000481	RP_DS005611	Irregular	Overflow	20		7.20	7.10					
RP_DMH000526_O	RP_DMH000526	RP_DMH000457	Irregular	Overflow	20		7.90	7.80					
RP_DMH001608_O	RP_DMH001608	PS_DMH001607	Irregular	Overflow	20		5.50	5.40					
RP_DMH001892_O	RP_DMH001892	HL_DMH000239	Irregular	Overflow	20		6.40	6.30					
RP_DS002871_O1	RP_DS002871	RP_DS005937	Irregular	Overflow	20		8.45	8.40					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DS002871_O2	RP_DS002871	RP_AGE999023	Irregular	Overflow	20		8.70	8.60					
RP_DS003169_O	RP_DS003169	NC_DS003166	Irregular	Overflow	20		10.60	10.50					
RP_DS003285_O	RP_DS003285	RP_DS003752	Irregular	Overflow	20		8.05	8.00					
RP_DS003290_O1	RP_DS003290	RP_DS008610	Irregular	Overflow	20		7.20	7.10					
RP_DS003290_O2	RP_DS003290	RP_DM001608	Irregular	Overflow	20		7.20	7.10					
RP_DS003290_O3	RP_DS003290	PS_DS003919	Irregular	Overflow	20		7.20	7.10					
RP_DS003301_O1	RP_DS003301	HL_DS005131	Irregular	Overflow	20		6.60	6.50					
RP_DS003301_O2	RP_DS003301	RP_DS005207	Irregular	Overflow	20		6.10	6.00					
RP_DS003723_O	RP_DS003723	RP_DS003907	Irregular	Overflow	20		8.50	8.40					
RP_DS003726_O1	RP_DS003726	RP_DS004727	Irregular	Overflow	20		7.30	7.20					
RP_DS003726_O2	RP_DS003726	RP_DM000434	Irregular	Overflow	20		6.90	6.80					
RP_DS003745_O1	RP_DS003745	RP_DS003285	Irregular	Overflow	20		8.10	8.00					
RP_DS003745_O2	RP_DS003745	RP_DS003914	Irregular	Overflow	20		8.40	8.30					
RP_DS003752_O1	RP_DS003752	RP_DS003779	Irregular	Overflow	20		8.15	8.10					
RP_DS003752_O2	RP_DS003752	RP_DS003768	Irregular	Overflow	20		7.90	7.80					
RP_DS003768_O	RP_DS003768	RP_DS003781	Irregular	Overflow	20		7.65	7.60					
RP_DS003778_O1	RP_DS003778	RP_DS006383	Irregular	Overflow	20		8.05	8.00					
RP_DS003778_O2	RP_DS003778	PS_DS003938	Irregular	Overflow	20		8.25	8.20					
RP_DS003779_O1	RP_DS003779	RP_DS003929	Irregular	Overflow	20		8.00	7.90					
RP_DS003779_O2	RP_DS003779	RP_DS006383	Irregular	Overflow	20		7.90	7.80					
RP_DS003781_O	RP_DS003781	RP_DS003918	Irregular	Overflow	20		6.90	6.80					
RP_DS003869_O	RP_DS003869	NC_DS003871	Irregular	Overflow	20		8.95	8.90					
RP_DS003904_O	RP_DS003904	RP_DS005721	Irregular	Overflow	20		8.00	7.90					
RP_DS003906_O1	RP_DS003906	RP_DS003904	Irregular	Overflow	20		8.30	8.20					
RP_DS003906_O2	RP_DS003906	RP_DS004354	Irregular	Overflow	20		8.20	8.10					
RP_DS003906_O3	RP_DS003906	RP_AGE999025	Irregular	Overflow	20		8.50	8.40					
RP_DS003907_O	RP_DS003907	RP_DS004651	Irregular	Overflow	20		8.20	8.10					
RP_DS003909_O1	RP_DS003909	RP_DS003917	Irregular	Overflow	20		7.50	7.40					
RP_DS003909_O2	RP_DS003909	RP_DS003726	Irregular	Overflow	20		7.50	7.40					
RP_DS003910_O1	RP_DS003910	RP_DS003914	Irregular	Overflow	20		8.25	8.20					
RP_DS003910_O2	RP_DS003910	RP_DS003909	Irregular	Overflow	20		8.00	7.90					
RP_DS003911_O1	RP_DS003911	RP_DS003745	Irregular	Overflow	20		8.30	8.20					
RP_DS003911_O2	RP_DS003911	RP_DS003910	Irregular	Overflow	20		8.45	8.40					
RP_DS003914_O1	RP_DS003914	RP_DS003768	Irregular	Overflow	20		8.20	8.10					
RP_DS003914_O2	RP_DS003914	RP_DS003917	Irregular	Overflow	20		8.10	8.00					
RP_DS003917_O	RP_DS003917	RP_DS003781	Irregular	Overflow	20		7.20	7.10					
RP_DS003918_O	RP_DS003918	RP_DS007271	Irregular	Overflow	20		6.75	6.70					
RP_DS003923_O	RP_DS003923	RP_DS007275	Irregular	Overflow	20		6.95	6.90					
RP_DS003929_O1	RP_DS003929	RP_DS006383	Irregular	Overflow	20		7.70	7.60					
RP_DS003929_O2	RP_DS003929	RP_DS006486	Irregular	Overflow	20		7.65	7.60					
RP_DS003931_O1	RP_DS003931	PS_DS003932	Irregular	Overflow	20		7.65	7.60					
RP_DS003931_O2	RP_DS003931	RP_DS003933	Irregular	Overflow	20		7.50	7.40					
RP_DS003931_O3	RP_DS003931	RP_DS006486	Irregular	Overflow	20		7.10	7.00					
RP_DS003931_O4	RP_DS003931	RP_DS003923	Irregular	Overflow	20		7.00	6.90					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DS003933_O	RP_DS003933	RP_DS008621	Irregular	Overflow	20		7.30	7.20					
RP_DS004349_O	RP_DS004349	RP_DS004651	Irregular	Overflow	20		8.00	7.90					
RP_DS004354_O1	RP_DS004354	RP_DS004644	Irregular	Overflow	20		7.30	7.20					
RP_DS004354_O2	RP_DS004354	RP_DS005721	Irregular	Overflow	20		7.45	7.40					
RP_DS004395_O	RP_DS004395	RP_DS003869	Irregular	Overflow	20		9.60	9.50					
RP_DS004606_O	RP_DS004606	NC_DS004352	Irregular	Overflow	20		10.20	10.10					
RP_DS004644_O1	RP_DS004644	RP_DM000419	Irregular	Overflow	20		6.95	6.90					
RP_DS004644_O2	RP_DS004644	RP_DM001892	Irregular	Overflow	20		7.10	7.00					
RP_DS004647_O	RP_DS004647	RP_DM000419	Irregular	Overflow	20		7.80	7.70					
RP_DS004649_O	RP_DS004649	RP_DS004656	Irregular	Overflow	20		7.80	7.70					
RP_DS004651_O1	RP_DS004651	RP_DS004649	Irregular	Overflow	20		8.05	8.00					
RP_DS004651_O2	RP_DS004651	RP_DS004657	Irregular	Overflow	20		8.00	7.90					
RP_DS004656_O1	RP_DS004656	RP_DM000430	Irregular	Overflow	20		7.25	7.20					
RP_DS004656_O2	RP_DS004656	RP_DS003726	Irregular	Overflow	20		7.55	7.50					
RP_DS004657_O1	RP_DS004657	RP_DS004656	Irregular	Overflow	20		7.75	7.70					
RP_DS004657_O2	RP_DS004657	RP_DS003909	Irregular	Overflow	20		7.65	7.60					
RP_DS004680_O	RP_DS004680	HL_DS004401	Irregular	Overflow	20		6.65	6.60					
RP_DS004727_O1	RP_DS004727	RP_DS003918	Irregular	Overflow	20		7.20	7.10					
RP_DS004727_O2	RP_DS004727	RP_DS004680	Irregular	Overflow	20		7.05	7.00					
RP_DS005067_O	RP_DS005067	RP_DS000366	Irregular	Overflow	20		11.05	11.00					
RP_DS005079_O1	RP_DS005079	RP_AGE999066	Irregular	Overflow	20		9.65	9.60					
RP_DS005079_O2	RP_DS005079	RP_DS005993	Irregular	Overflow	20		9.85	9.80					
RP_DS005110_O	RP_DS005110	RP_DS005921	Irregular	Overflow	20		6.70	6.60					
RP_DS005207_O	RP_DS005207	RP_DM001892	Irregular	Overflow	20		6.55	6.50					
RP_DS005502_O1	RP_DS005502	RP_DS006316	Irregular	Overflow	20		8.75	8.70					
RP_DS005502_O2	RP_DS005502	RP_DS008841	Irregular	Overflow	20		8.65	8.60					
RP_DS005596_O1	RP_DS005596	RP_DS005110	Irregular	Overflow	20		8.05	8.00					
RP_DS005596_O2	RP_DS005596	RP_DS005921	Irregular	Overflow	20		8.10	8.00					
RP_DS005611_O	RP_DS005611	RP_DS005110	Irregular	Overflow	20		7.25	7.20					
RP_DS005721_O	RP_DS005721	RP_DM001892	Irregular	Overflow	20		7.20	7.10					
RP_DS005853_O	RP_DS005853	NC_DS005860	Irregular	Overflow	20		10.20	10.10					
RP_DS005921_O1	RP_DS005921	HL_DM000212	Irregular	Overflow	20		6.95	6.90					
RP_DS005921_O2	RP_DS005921	RP_DM000480	Irregular	Overflow	20		7.00	6.90					
RP_DS005930_O	RP_DS005930	RP_DS005986	Irregular	Overflow	20		10.90	10.80					
RP_DS005931_O	RP_DS005931	RP_AGE999064	Irregular	Overflow	20		10.30	10.20					
RP_DS005937_O1	RP_DS005937	RP_DS003904	Irregular	Overflow	20		8.40	8.30					
RP_DS005937_O2	RP_DS005937	RP_DS005721	Irregular	Overflow	20		8.10	8.00					
RP_DS005986_O1	RP_DS005986	RP_AGE999019	Irregular	Overflow	20		10.10	10.00					
RP_DS005986_O2	RP_DS005986	RP_DS005079	Irregular	Overflow	20		10.15	10.10					
RP_DS005993_O	RP_DS005993	RP_DS005995	Irregular	Overflow	20		8.90	8.80					
RP_DS005995_O	RP_DS005995	RP_DM000480	Irregular	Overflow	20		8.50	8.40					
RP_DS006258_O	RP_DS006258	RP_DS006317	Irregular	Overflow	20		9.20	9.10					
RP_DS006299_O	RP_DS006299	RP_DS006497	Irregular	Overflow	20		8.10	8.00					
RP_DS006316_O	RP_DS006316	RP_DM000393	Irregular	Overflow	20		8.00	7.90					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
RP_DS006317_O	RP_DS006317	RP_DS006299	Irregular	Overflow	20		9.20	9.10					
RP_DS006327_O1	RP_DS006327	RP_DS009450	Irregular	Overflow	20		9.75	9.70					
RP_DS006327_O2	RP_DS006327	RP_AGE999020	Irregular	Overflow	20		10.00	9.90					
RP_DS006383_O	RP_DS006383	RP_DS003931	Irregular	Overflow	20		7.50	7.40					
RP_DS006486_O	RP_DS006486	RP_DS003923	Irregular	Overflow	20		6.95	6.90					
RP_DS006496_O1	RP_DS006496	RP_DS006316	Irregular	Overflow	20		8.00	7.90					
RP_DS006496_O2	RP_DS006496	HL_DM001575	Irregular	Overflow	20		8.10	8.00					
RP_DS006497_O1	RP_DS006497	RP_DS006316	Irregular	Overflow	20		7.80	7.70					
RP_DS006497_O2	RP_DS006497	RP_DS006496	Irregular	Overflow	20		8.10	8.00					
RP_DS007271_O	RP_DS007271	RP_DS007285	Irregular	Overflow	20		6.80	6.70					
RP_DS007275_O	RP_DS007275	RP_DS007271	Irregular	Overflow	20		6.60	6.50					
RP_DS007285_O1	RP_DS007285	RP_DS004680	Irregular	Overflow	20		6.65	6.60					
RP_DS007285_O2	RP_DS007285	RP_DS008610	Irregular	Overflow	20		7.45	7.40					
RP_DS007734_O1	RP_DS007734	RP_DS006317	Irregular	Overflow	20		9.70	9.60					
RP_DS007734_O2	RP_DS007734	RP_DS009450	Irregular	Overflow	20		9.70	9.60					
RP_DS008610_O	RP_DS008610	HL_DS003288	Irregular	Overflow	20		6.65	6.60					
RP_DS008621_O1	RP_DS008621	RP_DS003290	Irregular	Overflow	20		7.60	7.50					
RP_DS008621_O2	RP_DS008621	RP_DS007275	Irregular	Overflow	20		7.15	7.10					
RP_DS008841_O1	RP_DS008841	RP_DM000393	Irregular	Overflow	20		8.45	8.40					
RP_DS008841_O2	RP_DS008841	RP_DM000526	Irregular	Overflow	20		8.60	8.50					
RP_DS009188_O	RP_DS009188	RP_DS005993	Irregular	Overflow	20		9.40	9.30					
RP_DS009450_O	RP_DS009450	RP_DS008841	Irregular	Overflow	20		9.45	9.40					
SCB_AGE999203_O	SCB_AGE999203	SCB_DS008256	Irregular	Overflow	20		6.31	6.26					
SCB_AGE999204_O	SCB_AGE999204	SCB_DS007087	Irregular	Overflow	20		6.20	6.15					
SCB_DM000331_C	SCB_DM000331	SCB_DS007176	Irregular	Overflow	20		2.10	2.05					
SCB_DM000380_C	SCB_DM000380	SCB_DS007239	Irregular	Overflow	20		2.85	2.80					
SCB_DM000509_C	SCB_DM000509	SCB_DS004690	Irregular	Overflow	20		2.99	2.94					
SCB_DM000510_C	SCB_DM000510	SCB_DM000509	Irregular	Overflow	20		2.09	2.04					
SCB_DM000511_C	SCB_DM000511	SCB_DM000510	Irregular	Overflow	20		2.09	2.04					
SCB_DS000353_O	SCB_DS000353	SCB_DS007215	Irregular	Overflow	20		1.78	1.73					
SCB_DS000359_O	SCB_DS000359	SCB_DS000353	Irregular	Overflow	20		2.36	2.31					
SCB_DS000595_O1	SCB_DS000595	SCB_NID10050	Irregular	Overflow	20		2.85	2.80					
SCB_DS000595_O2	SCB_DS000595	SCB_DS007202	Irregular	Overflow	20		2.49	2.44					
SCB_DS000920_O	SCB_DS000920	SCB_DS007308	Irregular	Overflow	20		4.00	3.95					
SCB_DS000923_O	SCB_DS000923	SCB_DS004704	Irregular	Overflow	20		3.86	3.81					
SCB_DS002821_O1	SCB_DS002821	SCB_DS007081	Irregular	Overflow	20		2.47	2.42					
SCB_DS002821_O2	SCB_DS002821	SCB_DS007322	Irregular	Overflow	20		1.68	1.63					
SCB_DS002823_O	SCB_DS002823	SCB_DS007079	Irregular	Overflow	20		1.87	1.82					
SCB_DS003366_O1	SCB_DS003366	SCB_DS000353	Irregular	Overflow	20		2.50	2.45					
SCB_DS003366_O2	SCB_DS003366	SCB_DS007214	Irregular	Overflow	20		2.41	2.36					
SCB_DS003368_O	SCB_DS003368	SCB_DS007198	Irregular	Overflow	20		1.55	1.50					
SCB_DS003369_O	SCB_DS003369	SCB_DS007076	Irregular	Overflow	20		2.47	2.42					
SCB_DS003370_O1	SCB_DS003370	SCB_DS007079	Irregular	Overflow	20		2.45	2.40					
SCB_DS003370_O2	SCB_DS003370	SCB_DS003369	Irregular	Overflow	20		2.46	2.41					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS003708_O	SCB_DS003708	SCB_DS008622	Irregular	Overflow	20		1.87	1.82					
SCB_DS003709_O	SCB_DS003709	SCB_DS003708	Irregular	Overflow	20		1.70	1.65					
SCB_DS003715_O	SCB_DS007103	SCB_DS007104	Irregular	Overflow	20		1.60	1.55					
SCB_DS003731_O1	SCB_DS003731	SCB_DS007120	Irregular	Overflow	20		2.30	2.25					
SCB_DS003731_O2	SCB_DS003731	SCB_DS007118	Irregular	Overflow	20		2.20	2.15					
SCB_DS003747_O	SCB_DS003747	SCB_DS007128	Irregular	Overflow	20		1.76	1.71					
SCB_DS003748_O	SCB_DS003748	SCB_DS007130	Irregular	Overflow	20		3.06	3.01					
SCB_DS003821_O	SCB_DS003821	SCB_DS006393	Irregular	Overflow	20		2.65	2.60					
SCB_DS003832_O	SCB_DS003832	SCB_DS006390	Irregular	Overflow	20		2.18	2.13					
SCB_DS003835_O1	SCB_DS003835	SCB_DS006392	Irregular	Overflow	20		2.60	2.50					
SCB_DS003835_O2	SCB_DS003835	SCB_DS006404	Irregular	Overflow	20		1.73	1.68					
SCB_DS003947_O1	SCB_DS003947	SCB_DS007103	Irregular	Overflow	20		2.46	2.41					
SCB_DS003947_O2	SCB_DS003947	SCB_DS007282	Irregular	Overflow	20		1.75	1.70					
SCB_DS003957_O	SCB_DS003957	SCB_DS003982	Irregular	Overflow	20		1.45	1.40					
SCB_DS003982_O	SCB_DS003982	SCB_DS003983	Irregular	Overflow	20		1.84	1.79					
SCB_DS003983_O1	SCB_DS003983	SCB_DS007325	Irregular	Overflow	20		2.62	2.57					
SCB_DS003983_O2	SCB_DS003983	SCB_DS003368	Irregular	Overflow	20		2.18	2.13					
SCB_DS004283_O	SCB_DS004283	SCB_DS004284	Irregular	Overflow	20		1.38	1.33					
SCB_DS004284_O	SCB_DS004284	SCB_DS007164	Irregular	Overflow	20		2.50	2.45					
SCB_DS004286_O	SCB_DS004286	SCB_DS007161	Irregular	Overflow	20		1.77	1.72					
SCB_DS004392_O	SCB_DS004392	SCB_DS007135	Irregular	Overflow	20		2.39	2.34					
SCB_DS004399_O	SCB_DS004399	SCB_DS007137	Irregular	Overflow	20		3.33	3.28					
SCB_DS004463_O1	SCB_DS004463	SCB_DS004283	Irregular	Overflow	20		1.76	1.71					
SCB_DS004463_O2	SCB_DS004463	SCB_DS004497	Irregular	Overflow	20		1.80	1.75					
SCB_DS004497_O	SCB_DS004497	SCB_DS004704	Irregular	Overflow	20		1.51	1.46					
SCB_DS004559_O	SCB_DS004559	SCB_DMH000380	Irregular	Overflow	20		2.80	2.75					
SCB_DS004560_O	SCB_DS004560	SCB_DS007254	Irregular	Overflow	20		2.53	2.48					
SCB_DS004570_O1	SCB_DS004570	SCB_DS007232	Irregular	Overflow	20		2.56	2.51					
SCB_DS004570_O2	SCB_DS004570	SCB_DMH000511	Irregular	Overflow	20		1.76	1.71					
SCB_DS004690_O	SCB_DS004690	SCB_DS004707	Irregular	Overflow	20		1.66	1.61					
SCB_DS004690_O1	SCB_DS004690	SCB_DS007255	Irregular	Overflow	20		2.80	2.75					
SCB_DS004704_O1	SCB_DS004704	SCB_DS004286	Irregular	Overflow	20		2.60	2.55					
SCB_DS004704_O2	SCB_DS004704	SCB_DS007308	Irregular	Overflow	20		1.70	1.65					
SCB_DS004706_O	SCB_DS004706	SCB_DS004717	Irregular	Overflow	20		0.81	0.76					
SCB_DS004707_O1	SCB_DS004707	SCB_DS007240	Irregular	Overflow	20		2.60	2.55					
SCB_DS004707_O2	SCB_DS004707	SCB_DS004706	Irregular	Overflow	20		1.39	1.34					
SCB_DS004711_O1	SCB_DS004711	SCB_DS007311	Irregular	Overflow	20		2.70	2.65					
SCB_DS004711_O2	SCB_DS004711	SCB_DS004284	Irregular	Overflow	20		1.25	1.20					
SCB_DS004716_O	SCB_DS004716	SCB_DS004711	Irregular	Overflow	20		1.40	1.35					
SCB_DS004717_O	SCB_DS004717	SCB_DS004716	Irregular	Overflow	20		1.41	1.36					
SCB_DS005077_O	SCB_DS005077	SCB_DS010018	Irregular	Overflow	20		1.58	1.53					
SCB_DS005254_O	SCB_DS005254	SCB_DS007204	Irregular	Overflow	20		1.95	1.90					
SCB_DS005711_O	SCB_DS005711	SCB_DS007092	Irregular	Overflow	20		1.83	1.78					
SCB_DS006027_O	SCB_DS006027	SCB_DS003957	Irregular	Overflow	20		1.66	1.61					

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SCB_DS006384_O	SCB_DS006384	SCB_DS007159	Irregular	Overflow	20		2.06	2.01					
SCB_DS006390_O	SCB_DS006390	SCB_DS003835	Irregular	Overflow	20		2.07	2.02					
SCB_DS006391_O	SCB_DS006391	SCB_DS003832	Irregular	Overflow	20		1.90	1.85					
SCB_DS006392_O	SCB_DS006392	SCB_DS006403	Irregular	Overflow	20		1.31	1.26					
SCB_DS006393_O	SCB_DS006393	SCB_DS006392	Irregular	Overflow	20		2.08	2.03					
SCB_DS006398_O	SCB_DS006398	SCB_DS006391	Irregular	Overflow	20		2.51	2.46					
SCB_DS006403_O	SCB_DS006403	SCB_DS004399	Irregular	Overflow	20		2.33	2.28					
SCB_DS006404_O	SCB_DS006404	SCB_DS006384	Irregular	Overflow	20		1.84	1.79					
SCB_DS007076_O	SCB_DS007076	SCB_DS003366	Irregular	Overflow	20		2.45	2.40					
SCB_DS007079_O	SCB_DS007079	SCB_DS000359	Irregular	Overflow	20		1.83	1.78					
SCB_DS007081_O	SCB_DS007081	SCB_DS002823	Irregular	Overflow	20		1.76	1.71					
SCB_DS007082_O	SCB_DS007082	SCB_DS007081	Irregular	Overflow	20		1.86	1.81					
SCB_DS007083_O	SCB_DS007083	SCB_DS007329	Irregular	Overflow	20		2.02	1.97					
SCB_DS007085_O	SCB_DS007085	SCB_DS007345	Irregular	Overflow	20		1.86	1.81					
SCB_DS007087_O	SCB_DS007087	SCB_DS007156	Irregular	Overflow	20		1.65	1.60					
SCB_DS007089_O	SCB_DS007089	SCB_DS007338	Irregular	Overflow	20		1.60	1.55					
SCB_DS007091_O1	SCB_DS007091	SCB_DS007092	Irregular	Overflow	20		2.76	2.71					
SCB_DS007091_O2	SCB_DS007091	SCB_DS007340	Irregular	Overflow	20		2.16	2.11					
SCB_DS007092_O	SCB_DS007092	SCB_DS007089	Irregular	Overflow	20		1.84	1.79					
SCB_DS007094_O1	SCB_DS007094	SCB_DS005711	Irregular	Overflow	20		2.71	2.66					
SCB_DS007094_O2	SCB_DS007094	SCB_DS007091	Irregular	Overflow	20		2.07	2.02					
SCB_DS007095_O	SCB_DS007095	SCB_DS005711	Irregular	Overflow	20		1.79	1.74					
SCB_DS007102_O	SCB_DS007102	SCB_DS007103	Irregular	Overflow	20		1.61	1.56					
SCB_DS007104_O	SCB_DS007104	SCB_DS007105	Irregular	Overflow	20		1.81	1.76					
SCB_DS007105_O	SCB_DS007105	SCB_DS007109	Irregular	Overflow	20		1.76	1.71					
SCB_DS007107_O	SCB_DS007107	SCB_DS007108	Irregular	Overflow	20		1.74	1.69					
SCB_DS007108_O	SCB_DS007108	SCB_DS009385	Irregular	Overflow	20		1.26	1.21					
SCB_DS007109_O	SCB_DS007109	SCB_DS003709	Irregular	Overflow	20		1.57	1.52					
SCB_DS007114_O	SCB_DS007114	SCB_DS007115	Irregular	Overflow	20		1.89	1.84					
SCB_DS007115_O	SCB_DS007115	SCB_DS003947	Irregular	Overflow	20		1.58	1.53					
SCB_DS007118_O1	SCB_DS007118	SCB_DS007127	Irregular	Overflow	20		2.26	2.21					
SCB_DS007118_O2	SCB_DS007118	SCB_DS007114	Irregular	Overflow	20		2.00	1.95					
SCB_DS007120_O	SCB_DS007120	SCB_DS007127	Irregular	Overflow	20		1.36	1.31					
SCB_DS007124_O	SCB_DS007124	SCB_DS007120	Irregular	Overflow	20		2.53	2.48					
SCB_DS007125_O	SCB_DS007125	SCB_DS003731	Irregular	Overflow	20		1.30	1.25					
SCB_DS007127_O	SCB_DS007127	SCB_DS007102	Irregular	Overflow	20		1.36	1.31					
SCB_DS007128_O1	SCB_DS007128	SCB_DS003731	Irregular	Overflow	20		1.68	1.63					
SCB_DS007128_O2	SCB_DS007128	SCB_DS007130	Irregular	Overflow	20		2.48	2.43					
SCB_DS007130_O	SCB_DS007130	SCB_DS007125	Irregular	Overflow	20		1.84	1.79					
SCB_DS007131_O	SCB_DS007131	SCB_DS004392	Irregular	Overflow	20		2.80	2.75					
SCB_DS007134_O	SCB_DS007134	SCB_DS003748	Irregular	Overflow	20		2.11	2.06					
SCB_DS007137_O1	SCB_DS007137	SCB_VCD000076	Irregular	Overflow	20		2.96	2.91					
SCB_DS007137_O2	SCB_DS007137	SCB_DS004391	Irregular	Overflow	20		3.80	3.75					
SCB_DS007145_O	SCB_DS007145	SCB_DS003821	Irregular	Overflow	20		2.50	2.45					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS007156_O	SCB_DS007156	SCB_DS006398	Irregular	Overflow	20		1.64	1.59					
SCB_DS007159_O	SCB_DS007159	SCB_DS008256	Irregular	Overflow	20		0.84	0.79					
SCB_DS007161_O	SCB_DS007161	SCB_DS007145	Irregular	Overflow	20		1.80	1.75					
SCB_DS007162_O	SCB_DS007294	SCB_DS004286	Irregular	Overflow	20		2.12	2.07					
SCB_DS007164_O	SCB_DS007164	SCB_DS007165	Irregular	Overflow	20		2.18	2.13					
SCB_DS007173_O1	SCB_DS007173	SCB_DS007233	Irregular	Overflow	20		2.30	2.25					
SCB_DS007173_O2	SCB_DS007173	SCB_DS007232	Irregular	Overflow	20		2.39	2.34					
SCB_DS007175_O	SCB_DS007175	SCB_FDG000114	Irregular	Overflow	20		2.70	2.65					
SCB_DS007176_O	SCB_DS007176	SCB_DS000595	Irregular	Overflow	20		2.10	2.05					
SCB_DS007179_O	SCB_DS007179	SCB_DS008172	Irregular	Overflow	20		2.60	2.55					
SCB_DS007180_O1	SCB_DS007180	SCB_DS007254	Irregular	Overflow	20		3.10	3.05					
SCB_DS007180_O2	SCB_DS007180	SCB_DS007179	Irregular	Overflow	20		2.41	2.36					
SCB_DS007198_O1	SCB_DS007198	SCB_DS007082	Irregular	Overflow	20		2.52	2.47					
SCB_DS007198_O2	SCB_DS007198	SCB_DS002821	Irregular	Overflow	20		1.85	1.80					
SCB_DS007202_O	SCB_DS007202	SCB_DS004570	Irregular	Overflow	20		2.36	2.31					
SCB_DS007203_O	SCB_DS007203	SCB_DMH000331	Irregular	Overflow	20		2.46	2.41					
SCB_DS007204_O1	SCB_DS007204	SCB_DS007329	Irregular	Overflow	20		2.65	2.60					
SCB_DS007204_O2	SCB_DS007204	SCB_DS010018	Irregular	Overflow	20		1.71	1.66					
SCB_DS007214_O	SCB_DS007214	NB-DS007207	Irregular	Overflow	20		2.91	2.86					
SCB_DS007215_O	SCB_DS007215	SCB_DS007216	Irregular	Overflow	20		1.79	1.74					
SCB_DS007216_O	SCB_DS007216	NB_DS007069	Irregular	Overflow	20		2.41	2.36					
SCB_DS007229_O	SCB_DS007229	SCB_DS007255	Irregular	Overflow	20		2.39	2.34					
SCB_DS007230_O	SCB_DS007230	SCB_DS007229	Irregular	Overflow	20		2.28	2.23					
SCB_DS007232_O	SCB_DS007232	SCB_DS007230	Irregular	Overflow	20		2.17	2.12					
SCB_DS007233_O	SCB_DS007233	SCB_NID10050	Irregular	Overflow	20		2.40	2.35					
SCB_DS007234_O	SCB_DS007234	SCB_NID10050	Irregular	Overflow	20		2.15	2.10					
SCB_DS007235_O	SCB_DS007235	SCB_DS007234	Irregular	Overflow	20		2.20	2.15					
SCB_DS007236_O	SCB_DS007236	SCB_DS007235	Irregular	Overflow	20		2.10	2.05					
SCB_DS007237_O	SCB_DS007237	SCB_DS007236	Irregular	Overflow	20		2.55	2.50					
SCB_DS007238_O	SCB_DS007238	SCB_DS007203	Irregular	Overflow	20		2.88	2.83					
SCB_DS007239_O	SCB_DS007239	SCB_DS007237	Irregular	Overflow	20		2.98	2.93					
SCB_DS007240_O	SCB_DS007240	SCB_DS007253	Irregular	Overflow	20		2.20	2.15					
SCB_DS007253_O	SCB_DS007253	SCB_DS007311	Irregular	Overflow	20		2.38	2.33					
SCB_DS007254_O	SCB_DS007254	SCB_DS004559	Irregular	Overflow	20		2.90	2.85					
SCB_DS007255_O	SCB_DS007255	SCB_DS007240	Irregular	Overflow	20		2.16	2.11					
SCB_DS007282_O	SCB_DS007282	SCB_DS007107	Irregular	Overflow	20		1.81	1.76					
SCB_DS007292_O1	SCB_DS007292	SCB_DS007180	Irregular	Overflow	20		2.65	2.60					
SCB_DS007292_O2	SCB_DS007292	SCB_DS007175	Irregular	Overflow	20		2.12	2.07					
SCB_DS007293_O1	SCB_DS007293	SCB_DS007165	Irregular	Overflow	20		2.67	2.62					
SCB_DS007293_O2	SCB_DS007293	SCB_DS007294	Irregular	Overflow	20		1.98	1.93					
SCB_DS007308_O1	SCB_DS007308	SCB_DS007161	Irregular	Overflow	20		2.10	2.05					
SCB_DS007308_O2	SCB_DS007308	SCB_DS007087	Irregular	Overflow	20		1.50	1.45					
SCB_DS007311_O	SCB_DS007311	SCB_DS007164	Irregular	Overflow	20		1.88	1.83					
SCB_DS007322_O	SCB_DS007322	SCB_DS003370	Irregular	Overflow	20		1.90	1.85					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS007325_O	SCB_DS007325	SCB_DS007082	Irregular	Overflow	20		2.06	2.01					
SCB_DS007326_O	SCB_DS007326	SCB_DS007325	Irregular	Overflow	20		2.01	1.96					
SCB_DS007327_O1	SCB_DS007327	SCB_DS007326	Irregular	Overflow	20		2.18	2.13					
SCB_DS007327_O2	SCB_DS007327	SCB_DS006028	Irregular	Overflow	20		2.11	2.06					
SCB_DS007328_O	SCB_DS007328	SCB_DS007327	Irregular	Overflow	20		2.02	1.97					
SCB_DS007329_O	SCB_DS007329	SCB_DS007328	Irregular	Overflow	20		1.85	1.80					
SCB_DS007331_O1	SCB_DS007331	SCB_DS007344	Irregular	Overflow	20		2.70	2.60					
SCB_DS007331_O2	SCB_DS007331	SCB_DS005254	Irregular	Overflow	20		1.65	1.60					
SCB_DS007333_O	SCB_DS007333	SCB_DS007344	Irregular	Overflow	20		1.75	1.70					
SCB_DS007334_O1	SCB_DS007334	SCB_DS007333	Irregular	Overflow	20		2.54	2.49					
SCB_DS007334_O2	SCB_DS007334	SCB_DS007331	Irregular	Overflow	20		1.98	1.93					
SCB_DS007335_O1	SCB_DS007335	SCB_DS007338	Irregular	Overflow	20		2.62	2.57					
SCB_DS007335_O2	SCB_DS007335	SCB_DS007336	Irregular	Overflow	20		2.40	2.35					
SCB_DS007336_O	SCB_DS007336	SCB_DS007342	Irregular	Overflow	20		2.04	1.99					
SCB_DS007338_O	SCB_DS007338	SCB_DS007085	Irregular	Overflow	20		1.89	1.84					
SCB_DS007340_O	SCB_DS007340	SCB_DS007335	Irregular	Overflow	20		2.01	1.96					
SCB_DS007342_O1	SCB_DS007342	SCB_DS007345	Irregular	Overflow	20		2.61	2.56					
SCB_DS007342_O2	SCB_DS007342	SCB_DS007334	Irregular	Overflow	20		2.06	2.01					
SCB_DS007344_O	SCB_DS007344	SCB_DS007083	Irregular	Overflow	20		1.93	1.88					
SCB_DS007345_O	SCB_DS007345	SCB_DS007333	Irregular	Overflow	20		1.75	1.70					
SCB_DS008172_O	SCB_DS008172	SCB_DS007238	Irregular	Overflow	20		2.65	2.60					
SCB_DS008256_O	SCB_DS008256	SCB_DS007131	Irregular	Overflow	20		2.11	2.06					
SCB_DS008622_O	SCB_DS008622	SCB_DS007095	Irregular	Overflow	20		1.70	1.60					
SCB_DS009385_O1	SCB_DS009385	SCB_DS007109	Irregular	Overflow	20		2.46	2.41					
SCB_DS009385_O2	SCB_DS009385	SCB_DS009388	Irregular	Overflow	20		3.08	3.03					
SCB_DS009388_O	SCB_DS009388	SCB_DS009392	Irregular	Overflow	20		3.10	3.05					
SCB_DS009392_O1	SCB_DS009392	SCB_DS007095	Irregular	Overflow	20		2.60	2.55					
SCB_DS009392_O2	SCB_DS009392	SCB_DS007094	Irregular	Overflow	20		2.12	2.07					
SCB_DS009564_O	SCB_DS009564	SCB_DS004690	Irregular	Overflow	20		5.05	5.00					
SCB_DS010018_O1	SCB_DS010018	SCB_DS007328	Irregular	Overflow	20		2.62	2.57					
SCB_DS010018_O2	SCB_DS010018	SCB_DS006027	Irregular	Overflow	20		2.29	2.24					
SCB_FDG000114_O	SCB_FDG000114	SCB_DS004560	Irregular	Overflow	20		2.54	2.49					
SCB_VCD000076_O	SCB_VCD000076	SCB_DS007124	Irregular	Overflow	20		2.84	2.79					
SCB-DS009386_O	SCB-DS009386	SCB_DS009385	Irregular	Overflow	20		5.40	5.35					
2SCB_DS007109_O	SCB_DS007109	HL_CICW98039	Irregular	Seawall	20		4.02	3.97					
BC_AGE999075_OS	BC_AGE999075	BC_CICW98058	Irregular	Seawall	20		4.00	3.90					
BC_AGE999076_OS	BC_AGE999076	BC_CDW98901	Irregular	Seawall	20		3.20	3.10					
BC_AGE999077_OS	BC_AGE999077	BC_CDW98903	Irregular	Seawall	20		4.00	3.90					
BC_AGE999078_OS	BC_AGE999078	BC_CDW98903	Irregular	Seawall	20		3.55	3.50					
BC_AGE999104_OS	BC_AGE999104	BC_CICW98058	Irregular	Seawall	20		3.80	3.70					
BC_AGE999105_OS	BC_AGE999105	BC_CDW98906	Irregular	Seawall	20		3.40	3.30					
BC_AGE999107_OS	BC_AGE999107	BC_CDW98906	Irregular	Seawall	20		3.40	3.30					
BC_DS007301_OS	BC_DS007301	BC_CICW98060	Irregular	Seawall	20		1.93	1.88					
HL_AGE999001_OS	HL_AGE999001	HL_CNL98041	Irregular	Seawall	20		2.60	2.50					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_AGE999002_OS HL_AGE999002	HL_AGE999002	HL_CSL98252	Irregular	Seawall	20		2.50	2.40					
HL_AGE999003_OS HL_AGE999003	HL_AGE999003	HL_CICW98055	Irregular	Seawall	20		3.00	2.90					
HL_AGE999004_OS HL_AGE999004	HL_AGE999004	HL_CICW98055	Irregular	Seawall	20		3.00	2.90					
HL_AGE999006_OS HL_AGE999006	HL_AGE999006	HL_CDW98914	Irregular	Seawall	20		2.50	2.40					
HL_AGE999007_OS HL_AGE999007	HL_AGE999007	HL_CDW98914	Irregular	Seawall	20		3.00	2.90					
HL_AGE999008_OS HL_AGE999008	HL_AGE999008	HL_CDW98908	Irregular	Seawall	20		3.50	3.40					
HL_AGE999009_OS HL_AGE999009	HL_AGE999009	BC_CDW98907	Irregular	Seawall	20		3.50	3.40					
HL_AGE999109_OS HL_AGE999109	HL_AGE999109	HL_CWL98110	Irregular	Seawall	20		1.00	0.90					
HL_DM000285_OS HL_DM000285	HL_DM000285	HL_CICW98046	Irregular	Seawall	20		2.50	2.40					
HL_DM000536_OS HL_DM000536	HL_DM000536	HL_DO000516	Irregular	Seawall	20		4.60	4.50					
HL_DS000689_OS HL_DS000689	HL_DS000689	HL_CDW98918	Irregular	Seawall	20		3.10	3.00					
HL_DS001730_OS HL_DS001730	HL_DS001730	HL_CDW98918	Irregular	Seawall	20		5.70	5.60					
HL_DS001799_OS HL_DS001799	HL_DS001799	HL_CDW98909	Irregular	Seawall	20		5.70	5.60					
HL_DS002906_OS HL_DS002906	HL_DS002906	HL_CNL98041	Irregular	Seawall	20		3.20	3.10					
HL_DS002929_OS HL_DS002929	HL_DS002929	HL_CNL98042	Irregular	Seawall	20		2.50	2.40					
HL_DS002933_OS HL_DS002933	HL_DS002933	HL_CNL98142	Irregular	Seawall	20		2.20	2.10					
HL_DS002936_OS HL_DS002936	HL_DS002936	HL_CNL98042	Irregular	Seawall	20		3.00	2.90					
HL_DS002954_OS HL_DS002954	HL_DS002954	HL_CNL98142	Irregular	Seawall	20		2.20	2.10					
HL_DS002989_OS HL_DS002989	HL_DS002989	HL_CNL98042	Irregular	Seawall	20		2.50	2.40					
HL_DS002997_OS HL_DS002997	HL_DS002997	HL_CNL98141	Irregular	Seawall	20		1.70	1.60					
HL_DS003047_OS HL_DS003047	HL_DS003047	HL_CSL98052	Irregular	Seawall	20		2.30	2.20					
HL_DS003058_OS HL_DS003058	HL_DS003058	HL_CSL98052	Irregular	Seawall	20		2.50	2.40					
HL_DS003121_OS HL_DS003121	HL_DS003121	HL_CICW98050	Irregular	Seawall	20		2.10	2.00					
HL_DS003126_OS HL_DS003126	HL_DS003126	HL_CICW98050	Irregular	Seawall	20		2.50	2.40					
HL_DS003677_OS HL_DS003677	HL_DS003677	HL_CICW98045	Irregular	Seawall	20		2.50	2.40					
HL_DS003728_OS HL_DS003728	HL_DS003728	HL_CNL98041	Irregular	Seawall	20		2.30	2.20					
HL_DS003757_OS HL_AGE999005	HL_AGE999005	HL_CICW98046	Irregular	Seawall	20		2.50	2.40					
HL_DS003786_OS HL_DS003786	HL_DS003786	HL_CSL98252	Irregular	Seawall	20		2.50	2.40					
HL_DS003806_OS HL_DS003806	HL_DS003806	HL_CICW98047	Irregular	Seawall	20		2.50	2.40					
HL_DS003838_OS HL_DS003838	HL_DS003838	HL_CSL98051	Irregular	Seawall	20		3.50	3.40					
HL_DS004411_OS HL_DS004411	HL_DS004411	HL_CICW98045	Irregular	Seawall	20		2.50	2.40					
HL_DS006023_OS HL_DS006023	HL_DS006023	HL_CWL98110	Irregular	Seawall	20		2.00	1.90					
HL_DS006338_OS HL_DS006338	HL_DS006338	HL_CWL98100	Irregular	Seawall	20		4.80	4.70					
HL_DS006353_OS HL_DS006353	HL_DS006353	HL_CWL98109	Irregular	Seawall	20		5.80	5.70					
HL_DS006378_OS HL_DS006378	HL_DS006378	HL_CWL98120	Irregular	Seawall	20		2.55	2.50					
HL_DS006560_OS HL_DS006561	HL_DS006561	HL_DO000160	Irregular	Seawall	20		3.50	3.40					
HL_DS007116_OS HL_DS007116	HL_DS007116	HL_CNL98042	Irregular	Seawall	20		2.10	2.00					
HL_DS007146_OS HL_DS007146	HL_DS007146	HL_CSL98052	Irregular	Seawall	20		3.00	2.90					
HL_DS007150_OS HL_DS007150	HL_DS007150	HL_CSL98052	Irregular	Seawall	20		2.90	2.80					
HL_DS007153_OS HL_DS007153	HL_DS007153	HL_CSL98052	Irregular	Seawall	20		3.15	3.10					
HL_DS007227_OS HL_DS007227	HL_DS007227	HL_CDW98910	Irregular	Seawall	20		4.20	4.10					
HL_DS008164_OS HL_DS008164	HL_DS008164	HL_CDW98916	Irregular	Seawall	20		3.20	3.10					
HL_DS008893_OS HL_DS008893	HL_DS008893	HL_CICW98050	Irregular	Seawall	20		2.50	2.40					
HL_DS008894_OS HL_DS008894	HL_DS008894	HL_CICW98050	Irregular	Seawall	20		2.20	2.10					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HL_DS008902_OS	HL_DS008902	HL_CSL98052	Irregular	Seawall	20		2.05	2.00					
HL_DS009033_OS	HL_DS009033	HL_CICW98039	Irregular	Seawall	20		1.80	1.70					
HL_DS009034_OS	HL_DS009034	HL_CICW98038	Irregular	Seawall	20		3.15	3.10					
HL_DS009035_OS	HL_DS009035	HL_CNL98141	Irregular	Seawall	20		2.10	2.00					
HL_DS009039_OS	HL_DS009039	HL_CNL98042	Irregular	Seawall	20		2.50	2.40					
HL_DS009041_OS	HL_DS009041	HL_CNL98042	Irregular	Seawall	20		2.70	2.60					
HL_DS009043_OS	HL_DS009043	HL_CNL98042	Irregular	Seawall	20		2.50	2.40					
HL_DS009045_OS	HL_DS009045	HL_CNL98042	Irregular	Seawall	20		2.60	2.50					
HL_DS009308_OS	HL_DS009308	HL_CWL98145	Irregular	Seawall	20		3.90	3.80					
HL_PS000009_OS	HL_PS000009	HL_CSL98052	Irregular	Seawall	20		2.40	2.30					
NB_DMHRK140_O	NB_DMHRK140	PE_CICW98028	Irregular	Seawall	20		1.90	1.85					
NB_DS006249_OS	NB_DS006249	PE_CICW98030	Irregular	Seawall	20		2.80	2.75					
NB_DSBLB103_OS	NB_DSBLB103	PE_CICW98026	Irregular	Seawall	20		4.02	3.97					
NB_DSFRK101_OS	NB_DSFRK101	PE_CICW98028	Irregular	Seawall	20		1.29	1.24					
NB_DSFRK205_OS	NB_DSFRK205	PE_CICW98029	Irregular	Seawall	20		1.20	1.15					
PE_AGE999026_OS	PE_AGE999026	PE_CWL98210	Irregular	Seawall	20		2.50	2.40					
PE_AGE999058_OS	PE_AGE999058	PE_CWL98250	Irregular	Seawall	20		3.00	2.90					
PE_AGE999121_OS	PE_AGE999121	PE_DO000723	Irregular	Seawall	20		3.10	3.00					
PE_AGE999121_OS; PE_AGE999121	PE_AGE999121	PE_DO000730	Irregular	Seawall	20		3.10	3.00					
PE_DO000730_OS1	HL_DS007217	HL_DO000375	Irregular	Seawall	20		3.00	2.90					
PE_DS003177_OS	PE_DS003177	BC_AGE999134	Irregular	Seawall	20		4.10	4.00					
PE_DS003178_OS	PE_DS003178	BC_AGE999134	Irregular	Seawall	20		4.10	4.00					
PE_DS003183_OS	PE_DS003183	BC_AGE999136	Irregular	Seawall	20		4.65	4.60					
PE_DS003186_OS	PE_DS003186	BC_AGE999134	Irregular	Seawall	20		4.65	4.60					
PE_DS008198_OS	PE_DS008198	PE_CICW98012	Irregular	Seawall	20		4.60	4.55					
SCB_DMH000380_C	SCB_DMH000380	BC_CICW98058	Irregular	Seawall	20		2.77	2.72					
SCB_DS000353_OS	SCB_DS000353	HL_CICW98033	Irregular	Seawall	20		1.98	1.93					
SCB_DS000359_OS	SCB_DS000359	HL_CICW98033	Irregular	Seawall	20		3.50	3.45					
SCB_DS003708_OS	SCB_DS003708	HL_CICW98039	Irregular	Seawall	20		4.85	4.80					
SCB_DS004286_OS	SCB_DS004286	HL_CICW98055	Irregular	Seawall	20		3.77	3.72					
SCB_DS004399_OS	SCB_DS004399	HL_CICW98046	Irregular	Seawall	20		3.77	3.72					
SCB_DS004560_OS	SCB_DS004560	BC_CICW98058	Irregular	Seawall	20		3.50	3.45					
SCB_DS005711_OS	SCB_DS005711	HL_CICW98038	Irregular	Seawall	20		4.48	4.43					
SCB_DS006392_OS	SCB_DS006392	HL_CICW98047	Irregular	Seawall	20		3.77	3.72					
SCB_DS007082_OS	SCB_DS007082	HL_CICW98033	Irregular	Seawall	20		2.15	2.10					
SCB_DS007083_OS	SCB_DS007083	HL_CICW98034	Irregular	Seawall	20		2.90	2.85					
SCB_DS007103_OS	SCB_DS007103	HL_CICW98040	Irregular	Seawall	20		3.35	3.30					
SCB_DS007127_OS	SCB_DS007127	HL_CICW98044	Irregular	Seawall	20		4.52	4.47					
SCB_DS007161_OS	SCB_DS007161	HL_CICW98053	Irregular	Seawall	20		3.77	3.72					
SCB_DS007164_OS	SCB_DS007164	HL_CICW98055	Irregular	Seawall	20		3.77	3.72					
SCB_DS007173_OS	SCB_DS007173	BC_CICW98056	Irregular	Seawall	20		3.71	3.66					
SCB_DS007230_OS	SCB_DS007230	BC_CICW98056	Irregular	Seawall	20		3.23	3.18					
SCB_DS007232_OS	SCB_DS007232	BC_CICW98056	Irregular	Seawall	20		3.73	3.68					
SCB_DS007234_OS	SCB_DS007234	BC_CICW98057	Irregular	Seawall	20		3.71	3.66					

Table HE-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
SCB_DS007240_OS	SCB_DS007240	BC_CICW98056	Irregular	Seawall	20		2.54	2.49					
SCB_DS007311_OS	SCB_DS007311	HL_CICW98055	Irregular	Seawall	20		2.54	2.49					
SCB_DS007325_OS	SCB_DS007325	HL_CICW98034	Irregular	Seawall	20		2.15	2.10					
SCB_DS007327_OS	SCB_DS007327	HL_CICW98034	Irregular	Seawall	20		2.65	2.60					
SCB_DS007333_OS	SCB_DS007333	HL_CICW98034	Irregular	Seawall	20		3.40	3.35					
SCB_DS007338_OS	SCB_DS007338	HL_CICW98038	Irregular	Seawall	20		3.40	3.35					
SCB_FDG000114_O	SCB_FDG000114	BC_CICW98059	Irregular	Seawall	20		3.86	3.81					
SCB_VCD000076_O	SCB_VCD000076	HL_CICW98045	Irregular	Seawall	20		3.77	3.72					
BC_AGE999128_SW	BC_AGE999128	BC_AGE999129	Irregular	Swale	230		2.20	1.60					
BC_NID10035_SW	BC_NID10035	BC_NID10036	Irregular	Swale	326		1.80	1.50					
BC_NID10036_SW	BC_NID10036	BC_NID10037	Irregular	Swale	274		1.50	1.30					
BC_NID10038_SW	BC_NID10038	BC_NID10039	Irregular	Swale	200		1.90	1.70					
BC_NID10039_SW	BC_NID10039	BC_NID10040	Irregular	Swale	170		1.70	1.50					
HL_AGE999120_SW	HL_AGE999120	HL_DO000754	Irregular	Swale	400		2.20	1.50					
HL_AGE999132_SW	HL_AGE999132	HL_DO000156	Irregular	Swale	400		-1.00	-2.00					
HL_DG009297_SW	HL_DG009297	HL_AGE999013	Irregular	Swale	780		2.60	2.50					
HL_DS008152_SW	HL_DS008152	HL_DS008147	Irregular	Swale	90		1.55	1.75					
HL_CDW98915	HL_CDW98915	HL_DMH000374	Rectangular Box	Culvert	145	0.013	-9.00	-9.10	9.00	9.00	1	0.5	0.2
HL_DMH000374	HL_DMH000374	HL_CDW98916	Rectangular Box	Culvert	152	0.013	-9.10	-9.20	9.00	9.00	1	0.3	0.5
HL_DS008086	HL_DS008086	HL_DS008087	Rectangular Box	Culvert	50	0.013	-2.66	-2.70	3.00	3.00	1	0.3	0.2
HL_DS008087	HL_DS008087	HL_DO000762	Rectangular Box	Culvert	33	0.013	-2.70	-3.00	3.00	3.00	1	0.3	1.0

Table HE-4 Model Pump Data

Name	Upstream Node	Downstream Node	Startup Elevation (Feet NAVD)	Ahutoff Elevation (Feet NAVD)	Max_CFS
HL_PS000001E	HL_PS000001	HL_FM000001	-0.4	-2.1	29.2
HL_PS000001W	HL_PS000001	HL_FM000001	-1.1	-2.1	29.2
HL_PS000002LD	HL_PS000002	HL_FM000002	-0.1	-1.6	44.6
HL_PS000002LG	HL_PS000002	HL_FM000002	0.7	-1.6	44.6
HL_PS000006LD	HL_PS000006	HL_FM000006	0.9	0.4	8.3
HL_PS000006LG	HL_PS000006	HL_FM000006	1.2	0.4	8.3
HL_PS000007LD	HL_PS000007	HL_PDP000033	0.4	-1.6	24.7
HL_PS000007LG	HL_PS000007	HL_PDP000033	0.7	-1.6	24.7
HL_PS000008LD	HL_PS000008	HL_FDG000214	-1.6	-5.6	36.5
HL_PS000008LG	HL_PS000008	HL_FDG000214	-1.1	-4.8	36.5
HL_PS000009LD	HL_PS000009	HL_VCD000005	-1.6	-2.6	0.9
HL_PS000009LG	HL_PS000009	HL_VCD000005	-1.1	-2.6	0.9
HL_PS000010LD	HL_PS000010	HL_DS007265	2.7	2.3	14.9
HL_PS000010LG	HL_PS000010	HL_DS007265	2.8	2.3	14.9

Table HE-5 Model Weir Data

Name	Upstream Node	Downstream Node	Type	Length (ft)	Coefficient	Height* (ft)	Invert (ft NAVD)
DWS000010	SCB_DMH001820	SCB_DMH001819	Transverse	4.0	3.1	10.0	7.5
HL_DO000156_W	HL_DO000156	HL_DO000156W	Transverse	12.0	3.1	10.0	0.3
HL_DO000232W_H	HL_DO000232	HL_DO000232DS	Transverse	25.0	3.1	10.0	1.0
HL_DO000232W_L	HL_DO000232	HL_DO000232DS	Transverse	5.0	3.1	10.0	0.0
HL_DO000300W	HL_DO000300	HL_PS000007	Transverse	12.0	3.1	10.0	0.5
HL_SDS007264_W	HL_SDS007264	HL_DS007264	Transverse	12.0	3.1	10.0	3.0
PE-WR-0003	PE_DMH001533	PE_DMH001534	Transverse	4.0	3.1	10.0	7.4
PS_DWS000002_W	PS_DMH001607	PS_DMH001426	Transverse	10.0	3.1	10.0	3.4
RP_DWS000004_W	RP_DMH001608	RP_DMH001427	Transverse	10.0	3.1	10.0	3.4

Table HE-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HU441_DS009023	599	0
HU441_DS009026	886	0
HUBC_AGE999127	255	0
HUBC_DS007297	0	3
HUBC_NID09849	174	0
HUHA_NE04C071	57	0
HUHG_DS000515	726	0
HUHG_DS001539	322	0
HUHG_DS001572	51	0
HUHG_DS001581	55	0
HUHG_DS001599	478	2
HUHG_DS001612	66	0
HUHG_DS001613	27	0
HUHG_DS001634	259	0
HUHG_DS001708	185	2
HUHG_DS001834	102	0
HUHG_DS003342	358	2
HUHG_DS003851	2219	0
HUHG_DS004290	377	0
HUHG_DS004470	100	0
HUHG_DS004634	1134	0
HUHG_DS004766	1962	3
HUHG_DS005887	149	0
HUHG_DS008140	29	0
HUHG_DS008833	612	0
HUHG_DS009059	55	0
HUHG_DS009353	245	0
HUHL_AGE999049	0	1
HUHL_DMH000239	51	0
HUHL_DMH000402	262	0
HUHL_DMH000536	411	1
HUHL_DMH001523	505	1
HUHL_DMH001556	0	1
HUHL_DS001608	277	0
HUHL_DS001615	271	1
HUHL_DS001624	262	0
HUHL_DS002448	39	0
HUHL_DS002904	190	0
HUHL_DS002997	270	0
HUHL_DS003015	0	4
HUHL_DS003074	0	1
HUHL_DS003136	98	0
HUHL_DS003270	104	0
HUHL_DS003327	586	0
HUHL_DS003667	0	1

Table HE-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HUHL_DS003838	0	1
HUHL_DS003969	432	0
HUHL_DS004341	60	0
HUHL_DS004576	61	0
HUHL_DS004671	481	0
HUHL_DS004914	1549	0
HUHL_DS005108	46	0
HUHL_DS005129	95	0
HUHL_DS005490	229	0
HUHL_DS005510	0	1
HUHL_DS005556	36	0
HUHL_DS005560	110	0
HUHL_DS005562	206	0
HUHL_DS005650	176	0
HUHL_DS005674	157	0
HUHL_DS005678	207	0
HUHL_DS005710	244	0
HUHL_DS005962	135	0
HUHL_DS006370	0	4
HUHL_DS006499	94	0
HUHL_DS007188	31	0
HUHL_DS007196	0	1
HUHL_DS007247	1890	3
HUHL_DS008045	2490	0
HUHL_DS008143	105	0
HUHL_DS008400	728	6
HUHL_DS008421	1704	13
HUHL_DS008452	115	0
HUHL_DS009343	92	0
HUHL_DS009506	198	0
HUHL_DS009508	440	0
HUNB_DMHFRK140	44	0
HUNB_DSBLB103	115	0
HUNB_DSBLB105	1448	1
HUNB_DSBLB203	350	1
HUNB_DSCDY101	66	0
HUNB_DSFRK154	172	0
HUNB_DSFRK202	341	0
HUNB_DSFRK205	72	0
HUNC_AGE999043	64	0
HUNC_DS000381	329	0
HUNC_DS000426	67	1
HUNC_DS000482	546	0
HUNC_DS000635	61	0
HUNC_DS000694	371	0

Table HE-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HUNC_DS002721	22	0
HUNC_DS003166	65	0
HUNC_DS003871	0	1
HUNC_DS004589	75	0
HUNC_DS005179	60	0
HUNC_DS005187	338	0
HUNC_DS005552	88	0
HUNC_DS005737	56	0
HUNC_DS005911	64	0
HUNC_DS006490	198	0
HUNC_DS008082	45	0
HUNC_DS008380	86	0
HUNC_DS008787	696	1
HUNC_DS009455	280	0
HUPE_DS007461	90	0
HUPE_DS008198	897	1
HUPS_AGE999054	78	0
HUPS_DMH000292	919	0
HUPS_DMH000387	787	0
HUPS_DMH000454	0	4
HUPS_DS000536	121	0
HUPS_DS001710	69	0
HUPS_DS003932	214	0
HUPS_DS004490	52	0
HUPS_DS004607	54	0
HUPS_DS004613	413	0
HUPS_DS004614	133	0
HUPS_DS004627	430	0
HUPS_DS006443	141	1
HUPS_DS007193	156	0
HUPS_DS007218	68	0
HUPS_DS007225	109	0
HUPS_DS007249	195	1
HUPS_DS009430	206	0
HURP_AGE999020	72	0
HURP_AGE999024	82	0
HURP_DMH000393	62	0
HURP_DMH000398	297	0
HURP_DMH000419	480	0
HURP_DMH000430	476	0
HURP_DMH000434	112	0
HURP_DMH000457	649	0
HURP_DMH000459	528	0
HURP_DMH000481	294	0
HURP_DMH000526	658	0

Table HE-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HURP_DMH001608	1238	0
HURP_DMH001892	279	0
HURP_DS002871	331	0
HURP_DS003169	1459	0
HURP_DS003752	97	0
HURP_DS004354	157	0
HURP_DS004395	935	0
HURP_DS004606	1134	0
HURP_DS004680	0	5
HURP_DS005079	538	1
HURP_DS005502	39	0
HURP_DS005596	93	0
HURP_DS005611	226	0
HURP_DS005721	302	1
HURP_DS005853	806	0
HURP_DS005921	514	0
HURP_DS005937	227	2
HURP_DS005986	226	0
HURP_DS005993	254	0
HURP_DS005995	255	0
HURP_DS006317	256	0
HURP_DS006327	257	1
HURP_DS006486	258	0
HURP_DS006496	259	0
HURP_DS007275	260	2
HURP_DS008841	261	0
HURP_DS009188	262	0
HURP_DS009450	263	1
HUSCB_DMH00038C	265	0
HUSCB_DS000699	266	0
HUSCB_DS003366	267	7
HUSCB_DS003708	268	0
HUSCB_DS003947	0	11
HUSCB_DS003957	0	1
HUSCB_DS003982	0	1
HUSCB_DS004463	269	0
HUSCB_DS004570	0	2
HUSCB_DS005077	270	1
HUSCB_DS006386	0	1
HUSCB_DS007076	271	0
HUSCB_DS007082	0	1
HUSCB_DS007099	278	0
HUSCB_DS007108	0	1
HUSCB_DS007173	0	2
HUSCB_DS007178	264	7

Table HE-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HUSCB_DS007179	0	2
HUSCB_DS007202	0	5
HUSCB_DS007203	272	1
HUSCB_DS007232	0	1
HUSCB_DS007239	274	0
HUSCB_DS007254	0	4
HUSCB_DS007292	275	5
HUSCB_DS007296	281	2
HUSCB_DS007335	276	3
HUSCB_DS008172	277	2
HUSCB_DS009386	282	7
HUSCB_DS009392	279	5
HUSCB_DS009564	280	2

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HU441_AGE999699	441_AGE999699	7.62	270	0.2	48.2	0.25	2.27	4.26	0.34
HU441_AGE999751	441_AGE999751	6.46	584	3.4	56.1	0.25	11.91	0.12	0.22
HU441_AGE999752	441_AGE999752	3.84	111	0.1	50.0	0.25	11.68	0.13	0.22
HU441_AGE999753	441_AGE999753	7.53	275	0.2	61.5	0.25	6.50	0.90	0.28
HU441_AGE999754	441_AGE999754	5.29	194	0.3	59.4	0.25	3.78	2.44	0.32
HU441_AGE999755	441_AGE999755	13.73	409	0.1	47.4	0.25	2.44	4.00	0.34
HU441_AGE999756	441_AGE999756	8.88	219	0.1	57.2	0.25	4.44	1.92	0.31
HU441_AGE999757	441_AGE999757	2.46	824	3.9	42.5	0.25	2.00	4.70	0.34
HU441_AGE999758	441_AGE999758	7.64	277	0.1	43.4	0.25	2.43	4.01	0.34
HU441_AGE999759	441_AGE999759	4.00	211	1.0	49.1	0.25	2.00	4.70	0.34
HU441_AGE999760	441_AGE999760	5.54	281	0.3	59.2	0.25	2.70	3.63	0.33
HU441_AGE999761	441_AGE999761	6.27	246	0.2	49.7	0.25	3.24	2.98	0.33
HU441_AGE999762	441_AGE999762	5.41	280	0.2	32.5	0.25	2.00	4.70	0.34
HU441_AGE999763	441_AGE999763	5.89	161	0.1	35.0	0.25	2.00	4.70	0.34
HU441_AGE999764	441_AGE999764	10.48	163	0.1	72.2	0.25	2.52	3.89	0.33
HU441_AGE999765	441_AGE999765	20.35	588	0.2	21.0	0.30	8.76	0.39	0.26
HU441_AGE999766	441_AGE999766	30.51	942	0.4	15.5	0.29	11.64	0.13	0.22
HU441_DO000055	441_DO000055	13.82	418	2.2	41.6	0.25	6.03	0.73	0.30
HU441_DO000056	441_DO000056	13.13	386	1.2	48.3	0.26	8.13	0.38	0.27
HU441_DO000080	441_DO000080	17.62	415	0.4	44.0	0.25	2.65	3.71	0.33
HU441_DS000041	441_DS000041	6.23	289	0.5	85.5	0.25	12.50	0.10	0.21
HU441_DS002005	441_DS002005	18.00	424	0.2	41.8	0.25	11.26	0.15	0.23
HU441_DS002036	441_DS002036	2.28	142	0.7	24.9	0.27	9.93	0.22	0.24
HU441_DS002105	441_DS002105	25.02	547	0.2	39.6	0.25	12.04	0.12	0.22
HU441_DS002110	441_DS002110	5.34	322	0.3	69.8	0.25	12.50	0.10	0.21
HU441_DS002126	441_DS002126	3.99	61	0.2	71.8	0.25	11.59	0.14	0.22
HU441_DS002147	441_DS002147	1.39	24	0.2	61.4	0.29	10.35	0.22	0.24
HU441_DS002216	441_DS002216	5.32	236	1.9	47.7	0.25	2.00	4.70	0.34
HU441_DS002244	441_DS002244	6.95	197	0.1	58.3	0.25	2.00	4.70	0.34
HU441_DS002276	441_DS002276	3.52	60	0.6	65.6	0.25	4.93	1.60	0.30
HU441_DS002387	441_DS002387	6.05	174	0.1	67.1	0.25	7.46	0.63	0.27
HU441_DS004921	441_DS004921	11.84	338	0.1	61.7	0.25	4.31	2.02	0.31
HU441_DS006088	441_DS006088	11.19	293	0.3	39.2	0.25	7.45	0.47	0.28
HU441_DS006996	441_DS006996	3.78	208	0.2	78.9	0.25	11.07	0.17	0.23
HU441_DS007031	441_DS007031	1.57	135	0.1	81.2	0.25	12.50	0.10	0.21
HU441_DS008709	441_DS008709	7.15	168	0.1	48.4	0.25	2.40	4.06	0.34
HU441_DS009647	441_DS009647	5.12	363	0.3	85.9	0.25	12.50	0.10	0.21
HU441_DS010180	441_DS010180	2.69	127	0.2	90.0	0.25	10.63	0.20	0.23
HU441_DS010185	441_DS010185	8.06	237	0.1	79.6	0.25	8.07	0.51	0.27
HU441_DS010195	441_DS010195	2.22	130	0.4	77.2	0.25	12.50	0.10	0.21
HUBC_AGE999291	BC_AGE999291	41.10	865	0.3	80.6	0.25	9.31	0.32	0.25
HUBC_AGE999704	BC_AGE999704	10.43	484	1.5	53.6	0.25	12.50	0.10	0.21
HUBC_AGE999705	BC_AGE999705	17.72	400	0.5	38.2	0.25	12.50	0.10	0.21
HUBC_AGE999706	BC_AGE999706	18.53	1821	2.5	44.6	0.25	12.17	0.11	0.21
HUBC_AGE999767	BC_AGE999767	43.73	687	0.2	67.7	0.31	9.77	0.23	0.25
HUBC_AGE999768	BC_AGE999768	81.71	1057	0.2	50.0	0.29	9.91	0.22	0.25
HUBC_AGE999770	BC_AGE999770	21.12	643	0.8	54.1	0.25	12.50	0.10	0.21
HUBC_AGE999773	BC_AGE999773	2.01	416	0.7	94.1	0.25	8.31	0.36	0.27
HUBC_AGE999774	BC_AGE999774	2.45	181	0.2	82.4	0.25	12.50	0.10	0.21
HUBC_AGE999775	BC_AGE999775	8.18	650	0.8	75.0	0.25	12.50	0.10	0.21
HUBC_AGE999776	BC_AGE999776	6.07	429	0.7	67.2	0.40	12.50	0.10	0.21
HUBC_AGE999777	BC_AGE999777	31.26	761	0.3	67.8	0.25	12.50	0.10	0.21
HUBC_AGE999778	BC_AGE999778	4.70	184	0.1	53.0	0.25	12.50	0.10	0.21
HUBC_AGE999779	BC_AGE999779	7.86	249	0.1	51.7	0.25	12.50	0.10	0.21
HUBC_AGE999780	BC_AGE999780	23.12	850	0.4	50.6	0.29	12.50	0.10	0.21
HUBC_AGE999781	BC_AGE999781	2.41	223	1.4	60.6	0.25	12.50	0.10	0.21
HUBC_AGE999782	BC_AGE999782	118.05	4993	0.7	51.5	0.25	12.50	0.10	0.21
HUBC_AGE999783	BC_AGE999783	137.51	3008	0.4	57.8	0.27	12.50	0.10	0.21
HUBC_AGE999784	BC_AGE999784	13.75	416	2.8	73.6	0.25	12.34	0.11	0.21
HUBC_AGE999786	BC_AGE999786	48.94	985	0.1	40.7	0.25	12.05	0.11	0.22
HUBC_AGE999787	BC_AGE999787	10.57	4626	3.1	72.0	0.25	6.77	0.58	0.29
HUBC_AGE999788	BC_AGE999788	71.38	892	0.1	43.5	0.25	9.57	0.25	0.25
HUBC_AGE999789	BC_AGE999789	95.23	1246	0.2	62.3	0.26	11.62	0.13	0.22
HUBC_AGE999790	BC_AGE999790	57.89	811	0.1	48.5	0.25	12.49	0.10	0.21
HUBC_AGE999791	BC_AGE999791	13.15	410	0.2	42.4	0.25	12.50	0.10	0.21
HUBC_AGE999793	BC_AGE999793	4.65	188	0.2	44.4	0.25	12.50	0.10	0.21

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUBC_AGE999796	BC_AGE999796	139.16	834	0.1	40.4	0.25	12.39	0.10	0.21
HUBC_DMH000644	BC_DMH000644	33.90	428	0.1	41.8	0.25	12.50	0.10	0.21
HUBC_DMH000998	BC_DMH000998	25.44	394	0.1	48.9	0.31	12.45	0.10	0.21
HUBC_DO000052	BC_DO000052	6.74	685	1.4	65.2	0.27	12.50	0.10	0.21
HUBC_DO000061	BC_DO000061	6.32	441	0.8	42.8	0.29	12.50	0.10	0.21
HUBC_DO000079	BC_DO000079	10.73	3739	3.0	57.7	0.25	11.33	0.14	0.23
HUBC_DO000592	BC_DO000592	36.60	350	0.1	43.3	0.25	12.50	0.10	0.21
HUBC_DO000612	BC_DO000612	9.93	339	2.5	53.2	0.25	12.50	0.10	0.21
HUBC_DO000835	BC_DO000835	20.26	1257	1.0	33.0	0.27	12.50	0.10	0.21
HUBC_DS000044	BC_DS000044	31.66	452	0.2	44.3	0.26	12.24	0.11	0.21
HUBC_DS001325	BC_DS001325	7.67	465	0.5	38.5	0.27	11.26	0.15	0.23
HUBC_DS001427	BC_DS001427	3.23	271	0.5	58.8	0.25	12.50	0.10	0.21
HUBC_DS002187	BC_DS002187	8.08	250	0.2	40.3	0.25	12.50	0.10	0.21
HUBC_DS002190	BC_DS002190	5.62	195	0.5	47.8	0.29	12.50	0.10	0.21
HUBC_DS002232	BC_DS002232	2.58	116	0.2	39.1	0.25	12.50	0.10	0.21
HUBC_DS002382	BC_DS002382	6.85	307	0.3	69.8	0.25	12.50	0.10	0.21
HUBC_DS002749	BC_DS002749	5.57	354	0.2	79.7	0.25	12.50	0.10	0.21
HUBC_DS006675	BC_DS006675	6.61	211	0.2	55.5	0.25	12.50	0.10	0.21
HUBC_DS006956	BC_DS006956	6.77	643	0.5	56.5	0.27	12.50	0.10	0.21
HUBC_DS006959	BC_DS006959	6.20	353	0.4	56.6	0.28	12.50	0.10	0.21
HUBC_DS006968	BC_DS006968	5.66	191	0.3	66.2	0.25	5.77	0.79	0.30
HUBC_DS007006	BC_DS007006	20.16	424	0.1	58.8	0.25	3.96	2.29	0.32
HUBC_DS007043	BC_DS007043	1.37	106	0.3	59.4	0.25	12.50	0.10	0.21
HUBC_DS007044	BC_DS007044	1.41	132	0.3	61.3	0.25	12.22	0.11	0.21
HUBC_DS007050	BC_DS007050	13.90	521	0.3	73.3	0.25	11.81	0.13	0.22
HUBC_DS008738	BC_DS008738	9.31	296	0.2	52.0	0.25	12.50	0.10	0.21
HUBC_DS008739	BC_DS008739	9.62	187	0.1	44.8	0.25	12.50	0.10	0.21
HUBC_FDOT15900	BC_FDOT15900	10.44	343	0.1	71.7	0.25	12.50	0.10	0.21
HUBC_FDOT9902	BC_FDOT9902	3.29	363	0.3	75.3	0.25	12.50	0.10	0.21
HUBC_FDOT9925	BC_FDOT9925	2.59	154	0.3	77.5	0.25	12.50	0.10	0.21
HUBC_FDOT9935	BC_FDOT9935	2.81	223	0.4	75.8	0.25	12.50	0.10	0.21
HUBC_FDOT9936	BC_FDOT9936	3.02	208	0.3	71.3	0.25	12.50	0.10	0.21
HUBC_FDOT9940	BC_FDOT9940	1.82	132	0.3	66.5	0.25	12.50	0.10	0.21
HUBC_FDOT9941	BC_FDOT9941	1.68	149	0.4	66.3	0.25	12.50	0.10	0.21
HUBC_FDOT9946	BC_FDOT9946	1.63	127	0.3	66.2	0.25	12.50	0.10	0.21
HUBC_FDOT9947	BC_FDOT9947	1.58	103	0.3	75.9	0.25	12.50	0.10	0.21
HUBC_FDOT9954	BC_FDOT9954	4.84	412	0.3	53.1	0.25	12.50	0.10	0.21
HUBC_FDOT9955	BC_FDOT9955	1.88	132	0.5	59.5	0.25	12.50	0.10	0.21
HUBC_FDOTNW02	BC_FDOTNW02	3.82	98	0.6	72.7	0.25	12.50	0.10	0.21
HUBC_FDOTNW07	BC_FDOTNW07	2.48	154	0.2	70.0	0.25	12.50	0.10	0.21
HUBC_FDOTNW09	BC_FDOTNW09	4.06	280	0.2	84.3	0.25	11.91	0.12	0.22
HUBC_FDOTNW10	BC_FDOTNW10	2.28	154	0.2	75.1	0.25	11.49	0.14	0.22
HUBC_FDOTNW11	BC_FDOTNW11	3.48	57	0.8	76.5	0.25	12.50	0.10	0.21
HUBH_AGE999694	BH_AGE999694	7.41	220	0.2	61.3	0.25	12.50	0.10	0.21
HUBH_AGE999797	BH_AGE999797	1.43	82	1.8	57.4	0.25	12.50	0.10	0.21
HUBH_AGE999798	BH_AGE999798	7.81	248	0.4	44.2	0.25	4.11	2.17	0.31
HUBH_AGE999799	BH_AGE999799	11.35	301	0.1	48.4	0.25	2.86	3.43	0.33
HUBH_AGE999800	BH_AGE999800	23.70	593	0.3	41.4	0.25	12.49	0.10	0.21
HUBH_AGE999802	BH_AGE999802	31.75	501	0.1	39.1	0.25	12.50	0.10	0.21
HUBH_AGE999803	BH_AGE999803	25.27	419	0.1	36.1	0.25	12.50	0.10	0.21
HUBH_AGE999804	BH_AGE999804	28.54	574	0.1	38.6	0.25	12.50	0.10	0.21
HUBH_AGE999805	BH_AGE999805	6.89	213	0.2	40.4	0.25	12.50	0.10	0.21
HUBH_AGE999806	BH_AGE999806	8.35	154	0.1	39.4	0.25	12.50	0.10	0.21
HUBH_AGE999807	BH_AGE999807	17.58	331	0.1	40.9	0.25	12.50	0.10	0.21
HUBH_AGE999808	BH_AGE999808	12.72	294	0.1	39.8	0.25	12.50	0.10	0.21
HUBH_AGE999809	BH_AGE999809	21.26	391	0.1	43.3	0.25	12.50	0.10	0.21
HUBH_AGE999810	BH_AGE999810	13.32	288	0.1	43.7	0.25	12.50	0.10	0.21
HUBH_AGE999811	BH_AGE999811	15.12	243	0.1	44.7	0.25	12.50	0.10	0.21
HUBH_AGE999812	BH_AGE999812	12.12	232	0.1	47.7	0.25	12.50	0.10	0.21
HUBH_AGE999813	BH_AGE999813	8.19	293	0.1	47.2	0.25	12.50	0.10	0.21
HUBH_AGE999814	BH_AGE999814	11.82	389	0.2	42.9	0.25	12.50	0.10	0.21
HUBH_AGE999815	BH_AGE999815	3.80	176	0.2	40.7	0.25	12.50	0.10	0.21
HUBH_AGE999816	BH_AGE999816	12.99	221	0.1	46.6	0.25	12.50	0.10	0.21
HUBH_AGE999817	BH_AGE999817	4.40	216	0.2	42.6	0.25	12.50	0.10	0.21
HUBH_AGE999818	BH_AGE999818	21.50	379	0.1	43.5	0.25	12.50	0.10	0.21
HUBH_AGE999819	BH_AGE999819	19.79	346	0.1	42.7	0.28	12.50	0.10	0.21

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUBH_AGE999820	BH_AGE999820	20.12	405	0.1	45.7	0.25	12.50	0.10	0.21
HUBH_AGE999821	BH_AGE999821	5.74	213	0.2	46.2	0.25	12.50	0.10	0.21
HUBH_AGE999822	BH_AGE999822	8.47	180	0.1	38.8	0.25	12.50	0.10	0.21
HUBH_AGE999823	BH_AGE999823	12.15	379	0.1	40.5	0.25	12.50	0.10	0.21
HUBH_AGE999824	BH_AGE999824	15.58	396	0.2	39.1	0.25	12.50	0.10	0.21
HUBH_AGE999825	BH_AGE999825	10.98	221	0.1	40.7	0.25	12.50	0.10	0.21
HUBH_AGE999826	BH_AGE999826	24.41	437	0.1	38.8	0.25	12.50	0.10	0.21
HUBH_AGE999827	BH_AGE999827	14.50	236	0.1	41.0	0.25	12.50	0.10	0.21
HUBH_AGE999828	BH_AGE999828	4.47	285	0.2	38.1	0.25	3.90	2.34	0.32
HUBH_AGE999829	BH_AGE999829	5.08	154	0.1	37.4	0.25	12.50	0.10	0.21
HUBH_AGE999830	BH_AGE999830	6.21	200	0.1	47.6	0.25	12.50	0.10	0.21
HUBH_AGE999831	BH_AGE999831	29.60	442	0.1	42.2	0.25	12.49	0.10	0.21
HUBH_AGE999832	BH_AGE999832	5.40	256	0.1	40.7	0.25	12.03	0.12	0.22
HUBH_AGE999833	BH_AGE999833	5.08	215	0.2	31.6	0.25	2.39	4.07	0.34
HUBH_AGE999834	BH_AGE999834	9.93	342	0.1	25.3	0.28	9.16	0.34	0.25
HUBH_AGE999835	BH_AGE999835	8.33	333	0.3	47.6	0.25	9.36	0.26	0.25
HUBH_AGE999836	BH_AGE999836	9.04	318	0.3	37.8	0.25	10.95	0.18	0.23
HUBH_AGE999837	BH_AGE999837	4.22	185	0.2	34.8	0.25	11.29	0.14	0.23
HUBH_AGE999838	BH_AGE999838	8.46	420	0.1	39.4	0.25	8.13	0.38	0.27
HUBH_AGE999839	BH_AGE999839	10.35	229	0.1	44.1	0.25	9.49	0.25	0.25
HUBH_AGE999840	BH_AGE999840	4.99	291	0.3	48.6	0.25	12.50	0.10	0.21
HUBH_AGE999841	BH_AGE999841	17.27	401	0.1	42.8	0.25	12.50	0.10	0.21
HUBH_AGE999842	BH_AGE999842	5.87	203	0.2	38.9	0.25	12.50	0.10	0.21
HUBH_AGE999843	BH_AGE999843	7.90	294	0.2	45.0	0.25	12.50	0.10	0.21
HUBH_AGE999844	BH_AGE999844	10.45	271	0.1	44.6	0.25	12.50	0.10	0.21
HUBH_AGE999845	BH_AGE999845	10.71	544	0.2	43.2	0.25	12.50	0.10	0.21
HUBH_AGE999846	BH_AGE999846	6.68	127	0.1	41.4	0.25	12.50	0.10	0.21
HUBH_AGE999847	BH_AGE999847	16.95	390	0.1	40.8	0.25	12.50	0.10	0.21
HUBH_AGE999848	BH_AGE999848	13.51	302	0.1	46.3	0.25	12.50	0.10	0.21
HUBH_AGE999849	BH_AGE999849	3.48	167	0.2	48.2	0.25	12.50	0.10	0.21
HUBH_AGE999850	BH_AGE999850	12.84	245	0.1	47.8	0.25	12.50	0.10	0.21
HUBH_AGE999851	BH_AGE999851	25.16	425	0.1	44.3	0.25	12.50	0.10	0.21
HUBH_AGE999852	BH_AGE999852	14.76	391	0.1	43.5	0.25	12.50	0.10	0.21
HUBH_AGE999899	BH_AGE999899	2.23	110	0.2	38.1	0.25	12.50	0.10	0.21
HUBH_DMH000055	BH_DMH000055	1.73	151	0.3	81.8	0.25	8.93	0.30	0.26
HUBH_DMH000071	BH_DMH000071	4.94	422	0.4	64.2	0.25	12.50	0.10	0.21
HUBH_DO000077	BH_DO000077	11.95	320	0.6	49.1	0.25	3.89	2.35	0.32
HUBH_DO000078	BH_DO000078	6.72	3059	3.7	54.5	0.25	12.50	0.10	0.21
HUBH_DO000089	BH_DO000089	8.02	264	0.9	53.2	0.25	2.00	4.70	0.34
HUBH_DS000135	BH_DS000135	14.46	419	0.2	45.0	0.25	12.50	0.10	0.21
HUBH_DS000136	BH_DS000136	6.54	103	0.1	46.7	0.27	12.50	0.10	0.21
HUBH_DS000257	BH_DS000257	7.17	238	0.1	48.0	0.25	12.50	0.10	0.21
HUBH_DS001370	BH_DS001370	16.94	251	0.1	43.3	0.25	11.16	0.15	0.23
HUBH_DS001412	BH_DS001412	7.75	240	0.1	49.4	0.25	12.50	0.10	0.21
HUBH_DS001424	BH_DS001424	3.50	584	0.3	76.0	0.25	8.96	0.30	0.26
HUBH_DS001428	BH_DS001428	6.96	657	0.3	65.2	0.25	12.50	0.10	0.21
HUBH_DS001438	BH_DS001438	11.43	647	0.4	56.4	0.25	5.83	0.78	0.30
HUBH_DS001445	BH_DS001445	2.45	145	0.3	49.8	0.25	12.50	0.10	0.21
HUBH_DS001447	BH_DS001447	6.02	173	0.2	45.6	0.25	12.50	0.10	0.21
HUBH_DS001450	BH_DS001450	5.60	191	0.2	51.9	0.25	12.50	0.10	0.21
HUBH_DS002094	BH_DS002094	9.20	306	0.1	33.9	0.25	4.60	1.81	0.31
HUBH_DS002095	BH_DS002095	5.60	190	0.2	44.1	0.25	12.50	0.10	0.21
HUBH_DS002142	BH_DS002142	5.59	191	0.1	51.4	0.25	12.50	0.10	0.21
HUBH_DS002157	BH_DS002157	11.69	295	0.2	56.7	0.25	12.50	0.10	0.21
HUBH_DS002171	BH_DS002171	8.38	305	0.2	29.9	0.29	12.50	0.10	0.21
HUBH_DS002181	BH_DS002181	10.25	320	0.2	53.1	0.25	12.50	0.10	0.21
HUBH_DS002186	BH_DS002186	5.94	187	0.2	45.5	0.25	12.50	0.10	0.21
HUBH_DS002188	BH_DS002188	4.69	208	0.3	44.8	0.25	12.50	0.10	0.21
HUBH_DS002197	BH_DS002197	13.88	384	0.2	48.2	0.25	12.50	0.10	0.21
HUBH_DS002203	BH_DS002203	25.78	390	0.1	45.5	0.25	12.50	0.10	0.21
HUBH_DS002208	BH_DS002208	7.19	227	0.2	44.4	0.25	12.50	0.10	0.21
HUBH_DS002231	BH_DS002231	3.74	223	0.3	48.4	0.25	12.50	0.10	0.21
HUBH_DS002239	BH_DS002239	3.45	99	0.1	67.2	0.25	9.04	0.36	0.25
HUBH_DS002249	BH_DS002249	1.99	217	1.0	55.3	0.25	2.00	4.70	0.34
HUBH_DS002251	BH_DS002251	16.53	251	0.1	46.7	0.25	4.51	1.87	0.31
HUBH_DS002269	BH_DS002269	10.22	237	0.1	42.6	0.25	12.50	0.10	0.21

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUBH_DS002284	BH_DS002284	6.83	224	0.1	49.7	0.25	12.50	0.10	0.21
HUBH_DS002409	BH_DS002409	14.98	407	0.1	57.7	0.25	12.20	0.11	0.21
HUBH_DS002434	BH_DS002434	2.72	49	0.8	65.1	0.25	6.77	0.82	0.28
HUBH_DS005461	BH_DS005461	7.81	241	0.2	42.6	0.25	12.50	0.10	0.21
HUBH_DS007683	BH_DS007683	10.70	319	0.3	23.6	0.38	12.50	0.10	0.21
HUBH_DS008311	BH_DS008311	8.53	203	0.1	43.0	0.25	12.50	0.10	0.21
HUBH_DS008769	BH_DS008769	5.20	240	0.2	48.9	0.25	12.50	0.10	0.21
HUBH_DS008819	BH_DS008819	20.08	381	0.1	35.3	0.26	12.50	0.10	0.21
HUBH_DS008822	BH_DS008822	6.02	157	0.2	50.3	0.25	12.50	0.10	0.21
HUBH_DS009332	BH_DS009332	16.30	469	0.3	46.3	0.25	12.50	0.10	0.21
HUBP_AGE999693	BP_AGE999693	9.12	379	0.1	67.2	0.25	7.69	0.58	0.27
HUBP_AGE999707	BP_AGE999707	31.65	577	0.1	36.9	0.25	12.50	0.10	0.21
HUBP_AGE999708	BP_AGE999708	11.38	309	0.1	40.4	0.25	12.50	0.10	0.21
HUBP_AGE999709	BP_AGE999709	6.07	181	0.1	32.8	0.25	12.50	0.10	0.21
HUBP_AGE999710	BP_AGE999710	18.34	278	0.1	38.8	0.25	12.13	0.11	0.22
HUBP_AGE999711	BP_AGE999711	10.43	218	0.1	35.4	0.25	12.50	0.10	0.21
HUBP_AGE999712	BP_AGE999712	13.18	305	0.2	42.4	0.25	12.50	0.10	0.21
HUBP_AGE999713	BP_AGE999713	7.54	240	0.1	31.2	0.25	10.19	0.23	0.24
HUBP_AGE999714	BP_AGE999714	14.27	488	0.2	35.5	0.25	4.65	1.78	0.31
HUBP_AGE999715	BP_AGE999715	5.72	182	0.1	45.7	0.25	3.84	2.39	0.32
HUBP_AGE999716	BP_AGE999716	5.44	215	0.1	36.5	0.25	10.46	0.21	0.24
HUBP_AGE999717	BP_AGE999717	4.36	200	0.1	44.7	0.25	12.50	0.10	0.21
HUBP_AGE999718	BP_AGE999718	11.48	252	0.1	46.8	0.25	6.51	0.90	0.28
HUBP_AGE999719	BP_AGE999719	7.79	253	0.1	45.4	0.25	2.00	4.70	0.34
HUBP_AGE999720	BP_AGE999720	3.09	128	0.2	38.5	0.25	12.50	0.10	0.21
HUBP_AGE999721	BP_AGE999721	11.73	456	0.2	44.6	0.25	12.50	0.10	0.21
HUBP_AGE999722	BP_AGE999722	16.90	437	0.1	78.7	0.25	12.50	0.10	0.21
HUBP_AGE999723	BP_AGE999723	10.16	310	0.1	45.6	0.25	6.45	0.92	0.29
HUBP_AGE999724	BP_AGE999724	9.58	263	0.2	51.9	0.25	12.10	0.12	0.22
HUBP_AGE999725	BP_AGE999725	9.81	310	0.1	41.3	0.25	9.74	0.28	0.24
HUBP_AGE999726	BP_AGE999726	9.98	314	0.2	38.9	0.28	9.95	0.25	0.24
HUBP_DMH001948	BP_DMH001948	3.20	241	0.2	77.5	0.25	8.81	0.39	0.26
HUBP_DMH001963	BP_DMH001963	2.97	320	0.4	84.6	0.25	12.44	0.10	0.21
HUBP_DMH001975	BP_DMH001975	1.59	66	0.2	73.2	0.25	12.50	0.10	0.21
HUBP_DO000097	BP_DO000097	7.21	317	1.4	38.0	0.25	3.28	2.93	0.32
HUBP_DO000100	BP_DO000100	14.48	2014	2.4	46.5	0.25	10.61	0.20	0.23
HUBP_DO000116	BP_DO000116	13.16	743	3.6	51.7	0.25	2.19	4.38	0.34
HUBP_DO000865	BP_DO000865	2.57	421	0.6	88.4	0.25	12.50	0.10	0.21
HUBP_DS002308	BP_DS002308	6.25	150	0.1	57.9	0.25	10.50	0.21	0.24
HUBP_DS002310	BP_DS002310	11.50	181	0.1	49.1	0.25	10.81	0.19	0.23
HUBP_DS002336	BP_DS002336	5.52	248	0.1	42.9	0.25	12.50	0.10	0.21
HUBP_DS002377	BP_DS002377	1.93	100	0.4	57.3	0.25	2.85	3.44	0.33
HUBP_DS002378	BP_DS002378	7.24	304	0.3	78.4	0.25	10.93	0.18	0.23
HUBP_DS002427	BP_DS002427	6.77	174	0.1	45.0	0.25	3.87	2.37	0.32
HUBP_DS004272	BP_DS004272	7.78	212	0.2	59.9	0.25	3.65	2.57	0.32
HUBP_DS004276	BP_DS004276	15.43	348	0.1	40.1	0.25	12.50	0.10	0.21
HUBP_DS006993	BP_DS006993	10.34	362	2.2	46.8	0.25	2.11	4.51	0.34
HUBP_DS007009	BP_DS007009	10.02	269	0.1	48.8	0.25	10.21	0.23	0.24
HUBP_DS007011	BP_DS007011	3.20	296	0.3	75.6	0.25	10.30	0.22	0.24
HUBP_DS007020	BP_DS007020	4.71	420	0.4	80.8	0.25	12.50	0.10	0.21
HUBP_DS007032	BP_DS007032	3.76	204	0.2	87.5	0.25	11.27	0.16	0.23
HUBP_DS007049	BP_DS007049	7.92	445	0.2	55.3	0.25	12.50	0.10	0.21
HUBP_DS008162	BP_DS008162	5.36	192	0.1	47.2	0.25	4.23	2.08	0.31
HUBP_DS009589	BP_DS009589	8.51	259	0.1	57.8	0.25	6.27	0.98	0.29
HUBP_DS009600	BP_DS009600	2.14	166	0.1	74.9	0.25	11.84	0.13	0.22
HUBP_DS009627	BP_DS009627	8.46	362	0.2	83.5	0.25	12.50	0.10	0.21
HUBP_DS009635	BP_DS009635	4.43	202	0.2	89.6	0.25	12.50	0.10	0.21
HUCH_AGE999868	CH_AGE999868	8.65	776	0.6	33.1	0.25	12.50	0.10	0.21
HUCH_AGE999869	CH_AGE999869	21.66	2169	1.7	63.2	0.25	12.50	0.10	0.21
HUCH_AGE999870	CH_AGE999870	8.68	189	0.1	29.6	0.25	12.50	0.10	0.21
HUCH_AGE999871	CH_AGE999871	11.87	264	0.1	46.0	0.25	12.50	0.10	0.21
HUCH_AGE999872	CH_AGE999872	4.37	442	0.4	38.1	0.25	12.50	0.10	0.21
HUCH_AGE999873	CH_AGE999873	9.28	488	0.2	47.1	0.25	12.50	0.10	0.21
HUCH_AGE999874	CH_AGE999874	6.29	188	0.3	67.7	0.38	12.50	0.10	0.21
HUCH_DMH000126	CH_DMH000126	10.96	660	0.3	40.0	0.28	12.50	0.10	0.21
HUCH_DS001531	CH_DS001531	5.16	105	0.1	19.6	0.29	12.50	0.10	0.21

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUCH_DS001533	CH_DS001533	1.68	334	0.4	44.9	0.28	12.50	0.10	0.21
HUCH_DS002004	CH_DS002004	8.17	289	0.2	35.5	0.25	12.50	0.10	0.21
HUCH_DS002617	CH_DS002617	2.64	186	0.3	36.1	0.25	12.50	0.10	0.21
HUCH_DS004792	CH_DS004792	12.85	718	0.4	46.0	0.25	12.50	0.10	0.21
HUCH_DS007029	CH_DS007029	2.72	978	2.9	41.3	0.25	12.50	0.10	0.21
HUDW_AGE999687	DW_AGE999687	5.28	138	0.2	35.8	0.25	12.50	0.10	0.21
HUDW_AGE999696	DW_AGE999696	3.89	162	0.2	63.2	0.25	12.50	0.10	0.21
HUDW_AGE999697	DW_AGE999697	2.63	425	1.3	25.4	0.25	5.00	1.00	0.31
HUDW_AGE999769	DW_AGE999769	1.40	80	0.3	35.1	0.25	5.00	1.00	0.31
HUDW_AGE999853	DW_AGE999853	6.87	288	0.2	70.5	0.25	10.66	0.18	0.24
HUDW_AGE999854	DW_AGE999854	7.32	276	0.2	43.2	0.25	12.50	0.10	0.21
HUDW_AGE999855	DW_AGE999855	3.35	112	0.1	44.0	0.25	5.00	1.00	0.31
HUDW_AGE999856	DW_AGE999856	5.02	231	0.4	67.0	0.25	12.46	0.10	0.21
HUDW_AGE999857	DW_AGE999857	3.65	168	0.2	72.8	0.25	12.50	0.10	0.21
HUDW_AGE999858	DW_AGE999858	2.80	137	0.2	46.9	0.25	12.50	0.10	0.21
HUDW_AGE999859	DW_AGE999859	4.68	139	0.1	40.6	0.25	5.00	1.00	0.31
HUDW_AGE999860	DW_AGE999860	2.30	115	0.3	36.1	0.25	5.00	1.00	0.31
HUDW_AGE999861	DW_AGE999861	3.75	112	0.1	39.5	0.25	5.00	1.00	0.31
HUDW_AGE999863	DW_AGE999863	5.27	132	0.1	43.2	0.25	5.71	0.80	0.30
HUDW_AGE999864	DW_AGE999864	13.35	427	0.2	65.0	0.25	12.50	0.10	0.21
HUDW_AGE999865	DW_AGE999865	12.49	567	0.4	47.4	0.25	12.50	0.10	0.21
HUDW_AGE999867	DW_AGE999867	5.52	615	0.4	29.4	0.25	12.50	0.10	0.21
HUDW_AGE999875	DW_AGE999875	10.06	249	0.2	38.0	0.25	12.50	0.10	0.21
HUDW_AGE999876	DW_AGE999876	7.59	713	0.4	46.2	0.26	12.50	0.10	0.21
HUDW_AGE999877	DW_AGE999877	10.61	340	0.2	43.6	0.25	12.50	0.10	0.21
HUDW_AGE999878	DW_AGE999878	2.29	1091	2.6	58.5	0.25	12.50	0.10	0.21
HUDW_AGE999879	DW_AGE999879	1.99	1408	3.5	45.1	0.25	12.50	0.10	0.21
HUDW_AGE999880	DW_AGE999880	7.48	409	0.5	49.6	0.28	12.50	0.10	0.21
HUDW_AGE999881	DW_AGE999881	14.57	534	0.9	26.3	0.30	12.50	0.10	0.21
HUDW_AGE999882	DW_AGE999882	12.31	331	0.2	20.7	0.30	12.50	0.10	0.21
HUDW_AGE999883	DW_AGE999883	6.81	451	0.3	59.8	0.25	12.50	0.10	0.21
HUDW_AGE999884	DW_AGE999884	16.58	355	0.2	35.6	0.25	8.94	0.30	0.26
HUDW_AGE999885	DW_AGE999885	16.30	354	0.1	45.0	0.29	12.50	0.10	0.21
HUDW_AGE999886	DW_AGE999886	9.93	243	0.1	46.7	0.25	12.50	0.10	0.21
HUDW_AGE999887	DW_AGE999887	2.66	350	0.9	64.6	0.25	12.50	0.10	0.21
HUDW_AGE999888	DW_AGE999888	1.36	210	0.7	51.9	0.25	12.50	0.10	0.21
HUDW_AGE999889	DW_AGE999889	1.58	1147	5.0	44.4	0.25	12.50	0.10	0.21
HUDW_AGE999890	DW_AGE999890	2.90	157	0.2	30.9	0.25	12.50	0.10	0.21
HUDW_AGE999891	DW_AGE999891	9.48	275	0.1	44.2	0.25	12.50	0.10	0.21
HUDW_AGE999892	DW_AGE999892	3.12	812	1.5	44.8	0.25	12.50	0.10	0.21
HUDW_AGE999893	DW_AGE999893	1.48	1123	4.0	54.9	0.25	12.50	0.10	0.21
HUDW_AGE999894	DW_AGE999894	7.91	261	0.2	45.5	0.25	12.50	0.10	0.21
HUDW_AGE999895	DW_AGE999895	8.86	206	0.1	50.2	0.25	12.50	0.10	0.21
HUDW_AGE999896	DW_AGE999896	3.57	454	0.6	56.3	0.25	12.50	0.10	0.21
HUDW_AGE999897	DW_AGE999897	6.39	135	0.1	80.1	0.25	12.50	0.10	0.21
HUDW_AGE999898	DW_AGE999898	3.87	163	0.3	63.4	0.25	12.50	0.10	0.21
HUDW_DMH000054	DW_DMH000054	13.15	378	0.2	42.7	0.25	5.43	0.88	0.30
HUDW_DMH000098	DW_DMH000098	4.94	198	0.3	46.0	0.25	12.50	0.10	0.21
HUDW_DMH000121	DW_DMH000121	2.10	216	0.5	43.1	0.25	12.50	0.10	0.21
HUDW_DMH000125	DW_DMH000125	7.86	317	0.2	42.9	0.25	12.50	0.10	0.21
HUDW_DMH000602	DW_DMH000602	7.24	471	0.3	45.8	0.25	12.50	0.10	0.21
HUDW_DMH001754	DW_DMH001754	9.65	291	0.1	40.7	0.25	5.00	1.00	0.31
HUDW_DMH001756	DW_DMH001756	9.89	275	0.1	41.5	0.25	5.00	1.00	0.31
HUDW_DO000041	DW_DO000041	12.06	1294	2.2	50.9	0.25	7.70	0.44	0.27
HUDW_DO000042	DW_DO000042	5.39	2575	6.1	73.1	0.25	9.08	0.29	0.26
HUDW_DO000044	DW_DO000044	6.00	499	1.1	28.8	0.25	11.28	0.15	0.23
HUDW_DO000046	DW_DO000046	6.68	1763	4.0	35.8	0.29	12.50	0.10	0.21
HUDW_DO000054	DW_DO000054	9.86	296	2.6	48.2	0.25	6.41	0.65	0.29
HUDW_DO000057	DW_DO000057	2.37	111	0.6	37.0	0.25	12.50	0.10	0.21
HUDW_DS000100	DW_DS000100	22.95	4917	0.9	84.7	0.25	12.50	0.10	0.21
HUDW_DS001284	DW_DS001284	12.32	392	0.2	44.3	0.25	12.50	0.10	0.21
HUDW_DS001288	DW_DS001288	9.91	156	0.1	46.6	0.25	12.50	0.10	0.21
HUDW_DS001289	DW_DS001289	3.86	194	0.3	42.3	0.31	12.50	0.10	0.21
HUDW_DS001290	DW_DS001290	5.27	106	0.2	31.3	0.25	12.50	0.10	0.21
HUDW_DS001292	DW_DS001292	4.53	147	0.2	49.9	0.25	12.50	0.10	0.21
HUDW_DS001306	DW_DS001306	8.05	318	0.2	44.7	0.25	12.49	0.10	0.21

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUDW_DS001308	DW_DS001308	6.48	259	0.2	48.2	0.25	12.50	0.10	0.21
HUDW_DS001309	DW_DS001309	11.01	193	0.1	40.7	0.25	12.50	0.10	0.21
HUDW_DS001315	DW_DS001315	4.03	180	0.2	39.2	0.25	6.27	0.68	0.29
HUDW_DS001319	DW_DS001319	9.39	375	0.2	39.7	0.25	10.38	0.19	0.24
HUDW_DS001322	DW_DS001322	7.19	183	0.1	49.4	0.26	12.50	0.10	0.21
HUDW_DS001326	DW_DS001326	5.59	349	0.5	56.8	0.26	7.97	0.40	0.27
HUDW_DS001327	DW_DS001327	4.27	112	0.2	50.4	0.25	12.50	0.10	0.21
HUDW_DS001334	DW_DS001334	1.85	160	0.4	56.8	0.25	7.52	0.46	0.28
HUDW_DS001335	DW_DS001335	18.17	537	0.2	32.1	0.25	12.44	0.10	0.21
HUDW_DS001336	DW_DS001336	8.69	367	0.4	49.7	0.25	12.50	0.10	0.21
HUDW_DS001349	DW_DS001349	10.20	319	0.1	38.6	0.25	5.75	0.79	0.30
HUDW_DS001350	DW_DS001350	7.48	224	0.1	44.3	0.25	12.50	0.10	0.21
HUDW_DS001352	DW_DS001352	5.89	312	0.2	39.3	0.25	9.11	0.28	0.26
HUDW_DS001354	DW_DS001354	3.78	194	0.3	61.2	0.25	12.50	0.10	0.21
HUDW_DS001357	DW_DS001357	8.32	257	0.1	45.4	0.25	12.50	0.10	0.21
HUDW_DS001362	DW_DS001362	4.37	208	0.3	42.6	0.25	12.50	0.10	0.21
HUDW_DS001365	DW_DS001365	13.38	364	0.1	48.8	0.25	12.50	0.10	0.21
HUDW_DS001373	DW_DS001373	4.17	160	0.3	45.9	0.25	12.50	0.10	0.21
HUDW_DS001375	DW_DS001375	5.00	227	0.3	46.9	0.25	12.50	0.10	0.21
HUDW_DS001379	DW_DS001379	8.94	193	0.1	48.4	0.25	12.50	0.10	0.21
HUDW_DS001380	DW_DS001380	7.84	229	0.3	43.0	0.25	12.50	0.10	0.21
HUDW_DS001382	DW_DS001382	10.17	364	0.2	58.2	0.25	9.98	0.22	0.24
HUDW_DS001403	DW_DS001403	5.56	152	0.1	45.7	0.25	8.95	0.30	0.26
HUDW_DS001518	DW_DS001518	10.91	383	0.2	44.2	0.25	12.50	0.10	0.21
HUDW_DS001525	DW_DS001525	6.52	382	0.2	49.1	0.25	12.50	0.10	0.21
HUDW_DS002014	DW_DS002014	3.96	172	0.2	39.4	0.25	12.50	0.10	0.21
HUDW_DS002016	DW_DS002016	6.00	105	0.1	39.2	0.25	12.50	0.10	0.21
HUDW_DS002018	DW_DS002018	6.15	214	0.5	43.7	0.25	5.00	1.00	0.31
HUDW_DS002028	DW_DS002028	17.64	349	0.1	35.9	0.25	12.50	0.10	0.21
HUDW_DS002031	DW_DS002031	6.84	137	0.2	45.4	0.25	7.86	0.42	0.27
HUDW_DS002045	DW_DS002045	9.88	522	0.3	40.6	0.26	12.10	0.11	0.22
HUDW_DS002061	DW_DS002061	3.96	114	0.1	50.5	0.25	12.50	0.10	0.21
HUDW_DS002064	DW_DS002064	8.96	271	0.1	44.9	0.25	12.50	0.10	0.21
HUDW_DS002065	DW_DS002065	3.57	174	0.2	43.0	0.25	12.50	0.10	0.21
HUDW_DS002076	DW_DS002076	3.65	163	0.3	49.6	0.28	12.50	0.10	0.21
HUDW_DS002082	DW_DS002082	4.32	269	0.6	73.4	0.27	12.50	0.10	0.21
HUDW_DS002085	DW_DS002085	9.57	447	0.5	57.2	0.26	12.50	0.10	0.21
HUDW_DS002089	DW_DS002089	2.83	134	0.2	39.4	0.25	5.00	1.00	0.31
HUDW_DS002102	DW_DS002102	4.50	116	0.1	41.0	0.25	5.00	1.00	0.31
HUDW_DS002103	DW_DS002103	11.15	356	0.2	45.5	0.25	12.50	0.10	0.21
HUDW_DS002115	DW_DS002115	1.75	160	0.2	62.1	0.27	12.50	0.10	0.21
HUDW_DS002133	DW_DS002133	0.85	47	0.4	87.1	0.25	12.50	0.10	0.21
HUDW_DS002349	DW_DS002349	5.66	496	0.3	34.3	0.40	12.50	0.10	0.21
HUDW_DS002515	DW_DS002515	6.48	174	0.1	40.8	0.25	12.50	0.10	0.21
HUDW_DS002521	DW_DS002521	15.97	554	0.2	42.5	0.25	12.50	0.10	0.21
HUDW_DS002524	DW_DS002524	5.14	255	0.2	45.1	0.25	12.50	0.10	0.21
HUDW_DS002543	DW_DS002543	6.50	366	0.3	46.9	0.25	12.50	0.10	0.21
HUDW_DS002544	DW_DS002544	4.32	176	0.2	36.5	0.25	12.50	0.10	0.21
HUDW_DS002551	DW_DS002551	5.08	369	0.3	41.5	0.25	12.50	0.10	0.21
HUDW_DS002559	DW_DS002559	10.70	484	0.4	41.4	0.25	12.50	0.10	0.21
HUDW_DS002568	DW_DS002568	6.69	171	0.1	31.6	0.25	12.50	0.10	0.21
HUDW_DS002569	DW_DS002569	4.78	146	0.1	44.5	0.25	12.50	0.10	0.21
HUDW_DS002571	DW_DS002571	12.26	363	0.1	49.3	0.25	12.50	0.10	0.21
HUDW_DS002650	DW_DS002650	4.18	215	0.5	79.6	0.25	8.87	0.30	0.26
HUDW_DS002654	DW_DS002654	9.90	407	0.3	38.0	0.25	12.50	0.10	0.21
HUDW_DS004175	DW_DS004175	6.97	236	0.2	48.1	0.26	12.50	0.10	0.21
HUDW_DS004177	DW_DS004177	8.97	422	0.2	57.1	0.25	12.50	0.10	0.21
HUDW_DS004188	DW_DS004188	6.89	135	0.1	45.1	0.25	12.50	0.10	0.21
HUDW_DS004191	DW_DS004191	4.14	276	0.2	43.5	0.25	11.94	0.12	0.22
HUDW_DS004197	DW_DS004197	16.99	455	0.2	51.6	0.25	12.50	0.10	0.21
HUDW_DS004200	DW_DS004200	2.73	164	0.3	41.1	0.25	5.00	1.00	0.31
HUDW_DS004206	DW_DS004206	3.44	189	0.3	43.9	0.25	6.08	0.72	0.30
HUDW_DS004208	DW_DS004208	6.72	260	0.2	40.9	0.25	7.97	0.40	0.27
HUDW_DS004210	DW_DS004210	13.59	342	0.2	44.3	0.25	12.50	0.10	0.21
HUDW_DS004214	DW_DS004214	3.09	142	0.2	42.8	0.25	5.11	0.97	0.31
HUDW_DS004216	DW_DS004216	2.80	121	0.2	75.3	0.25	8.81	0.31	0.26

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUDW_DS004218	DW_DS004218	4.64	208	0.2	84.6	0.25	12.50	0.10	0.21
HUDW_DS004281	DW_DS004281	8.98	213	0.2	14.2	0.29	11.74	0.13	0.22
HUDW_DS004784	DW_DS004784	4.96	135	0.1	40.0	0.25	12.50	0.10	0.21
HUDW_DS004786	DW_DS004786	7.03	272	0.1	59.7	0.25	12.48	0.10	0.21
HUDW_DS006944	DW_DS006944	1.48	107	0.4	71.4	0.25	12.50	0.10	0.21
HUDW_DS006953	DW_DS006953	7.10	471	0.4	57.5	0.25	7.69	0.44	0.27
HUDW_DS006961	DW_DS006961	2.87	244	0.4	77.0	0.25	12.50	0.10	0.21
HUDW_DS006967	DW_DS006967	5.18	256	1.0	55.1	0.25	5.00	1.00	0.31
HUDW_DS006971	DW_DS006971	6.06	394	0.3	60.2	0.25	12.50	0.10	0.21
HUDW_DS006982	DW_DS006982	7.98	324	0.3	54.6	0.25	12.41	0.10	0.21
HUDW_DS007028	DW_DS007028	8.64	334	0.2	38.3	0.26	12.50	0.10	0.21
HUDW_DS007730	DW_DS007730	4.92	193	0.2	41.5	0.25	9.18	0.28	0.25
HUDW_DS007774	DW_DS007774	1.83	123	0.3	88.3	0.25	10.41	0.19	0.24
HUDW_DS008127	DW_DS008127	16.02	358	0.1	39.2	0.25	12.50	0.10	0.21
HUDW_DS008228	DW_DS008228	5.64	244	0.2	39.7	0.25	7.90	0.41	0.27
HUDW_DS008233	DW_DS008233	7.78	178	0.1	45.5	0.25	5.00	1.00	0.31
HUDW_DS008234	DW_DS008234	2.73	210	0.3	44.2	0.25	5.00	1.00	0.31
HUDW_DS008236	DW_DS008236	10.31	234	0.1	42.1	0.25	5.00	1.00	0.31
HUDW_DS008239	DW_DS008239	5.19	217	0.2	39.3	0.25	5.00	1.00	0.31
HUDW_DS008244	DW_DS008244	5.73	600	0.6	41.4	0.25	5.00	1.00	0.31
HUDW_DS008662	DW_DS008662	4.82	194	0.4	36.9	0.25	12.50	0.10	0.21
HUDW_DS008665	DW_DS008665	2.35	180	0.5	31.0	0.25	12.50	0.10	0.21
HUDW_DS008673	DW_DS008673	5.49	264	0.3	38.0	0.25	11.76	0.13	0.22
HUDW_DS008680	DW_DS008680	3.04	111	0.3	52.2	0.25	12.50	0.10	0.21
HUDW_DS008682	DW_DS008682	3.71	138	0.2	34.4	0.25	12.50	0.10	0.21
HUDW_DS008715	DW_DS008715	4.76	239	0.2	58.8	0.25	12.50	0.10	0.21
HUDW_DS008998	DW_DS008998	5.92	123	0.1	37.7	0.25	5.00	1.00	0.31
HUDW_DS008999	DW_DS008999	5.77	183	0.2	37.6	0.25	5.00	1.00	0.31
HUDW_DS009011	DW_DS009011	5.31	155	0.1	42.0	0.25	5.00	1.00	0.31
HUDW_DS009012	DW_DS009012	4.38	129	0.2	38.4	0.25	5.00	1.00	0.31
HUDW_DS009014	DW_DS009014	2.62	109	0.2	55.2	0.25	9.62	0.24	0.25
HUDW_DS009251	DW_DS009251	8.03	543	0.5	84.6	0.25	12.50	0.10	0.21
HUDW_NID10095	DW_NID10095	1.69	120	0.1	43.3	0.33	12.50	0.10	0.21
HUDW_NID10192	DW_NID10192	3.35	332	1.1	44.2	0.27	5.52	0.85	0.30
HUHGW_AGE999698	HGW_AGE999698	4.21	175	0.1	35.0	0.25	2.00	4.70	0.34
HUHGW_AGE999727	HGW_AGE999727	7.48	260	0.1	44.2	0.25	2.00	4.70	0.34
HUHGW_AGE999728	HGW_AGE999728	5.45	168	0.1	40.0	0.25	2.00	4.70	0.34
HUHGW_AGE999729	HGW_AGE999729	5.04	313	0.2	42.4	0.25	2.00	4.70	0.34
HUHGW_AGE999730	HGW_AGE999730	7.89	305	0.1	31.2	0.25	2.00	4.70	0.34
HUHGW_AGE999731	HGW_AGE999731	6.85	292	0.2	37.0	0.25	2.00	4.70	0.34
HUHGW_AGE999732	HGW_AGE999732	4.20	223	0.3	31.9	0.25	2.00	4.70	0.34
HUHGW_AGE999733	HGW_AGE999733	5.30	234	0.2	34.3	0.25	2.00	4.70	0.34
HUHGW_AGE999734	HGW_AGE999734	4.28	237	0.1	39.8	0.25	2.00	4.70	0.34
HUHGW_AGE999735	HGW_AGE999735	5.37	334	0.1	32.7	0.25	2.00	4.70	0.34
HUHGW_AGE999736	HGW_AGE999736	3.21	185	0.2	49.0	0.25	2.00	4.70	0.34
HUHGW_AGE999737	HGW_AGE999737	4.89	148	0.1	35.8	0.25	2.00	4.70	0.34
HUHGW_AGE999738	HGW_AGE999738	3.33	220	0.2	32.3	0.25	2.00	4.70	0.34
HUHGW_AGE999739	HGW_AGE999739	4.04	146	0.1	31.0	0.25	2.00	4.70	0.34
HUHGW_AGE999740	HGW_AGE999740	8.96	275	0.1	36.0	0.25	2.00	4.70	0.34
HUHGW_AGE999741	HGW_AGE999741	2.51	124	0.1	51.4	0.25	2.00	4.70	0.34
HUHGW_AGE999744	HGW_AGE999744	3.50	183	0.2	34.6	0.25	2.00	4.70	0.34
HUHGW_AGE999745	HGW_AGE999745	8.63	416	0.3	46.0	0.25	2.84	3.45	0.33
HUHGW_AGE999746	HGW_AGE999746	6.95	166	0.1	46.1	0.25	2.23	4.32	0.34
HUHGW_AGE999748	HGW_AGE999748	5.78	286	0.1	44.3	0.25	2.00	4.70	0.34
HUHGW_AGE999749	HGW_AGE999749	6.10	209	0.2	48.8	0.25	2.00	4.70	0.34
HUHGW_AGE999750	HGW_AGE999750	8.18	315	0.3	48.9	0.25	2.00	4.70	0.34
HUHGW_DM002038	HGW_DM002038	7.30	357	0.2	70.0	0.25	4.62	1.80	0.31
HUHGW_DO000868	HGW_DO000868	1.13	347	3.7	71.7	0.25	3.25	2.97	0.33
HUHGW_DO000869	HGW_DO000869	1.57	635	6.5	71.7	0.25	2.00	4.70	0.34
HUHGW_DO000910	HGW_DO000910	1.22	407	5.0	86.0	0.25	2.00	4.70	0.34
HUHGW_DO000911	HGW_DO000911	3.63	194	1.4	66.9	0.25	2.00	4.70	0.34
HUHGW_DS002264	HGW_DS002264	1.12	113	0.4	95.6	0.25	6.15	1.03	0.29
HUHGW_DS002265	HGW_DS002265	1.32	140	0.4	87.4	0.25	5.48	1.31	0.30
HUHGW_DS002283	HGW_DS002283	1.78	165	0.3	88.5	0.25	5.75	1.19	0.29
HUHGW_DS002404	HGW_DS002404	10.19	182	0.1	61.9	0.25	9.55	0.30	0.25
HUHGW_DS002724	HGW_DS002724	12.47	394	0.1	47.2	0.25	2.00	4.70	0.34

Table HW-1 Hydrologic Parameters per Sub-basin

Subcatchment	Outlet Node	Area (ac)	Width (ft)	Slope (%)	Impervious (%)	Pervious n	Suction Head (in)	Conductivity (in/hr)	Initial Soil Moisture Deficit (fraction)
HUHWG_DS004949	HGW_DS004949	4.19	154	0.1	44.6	0.25	2.00	4.70	0.34
HUHWG_DS008758	HGW_DS008758	3.20	165	0.4	70.7	0.25	2.48	3.94	0.33
HUHWG_DS009462	HGW_DS009462	6.18	178	0.1	63.4	0.25	8.71	0.40	0.26
HUHWG_DS009650	HGW_DS009650	2.00	131	0.2	78.2	0.25	3.74	2.48	0.32
HUHWG_DS009795	HGW_DS009795	14.05	532	0.2	63.2	0.25	4.13	2.15	0.31
HUHWG_DS009818	HGW_DS009818	8.42	175	0.1	65.3	0.25	8.16	0.49	0.26
HUHWG_DS010179	HGW_DS010179	5.92	143	0.1	76.4	0.25	2.75	3.56	0.33
HUHWG_DS010196	HGW_DS010196	2.80	213	0.4	87.6	0.25	7.84	0.55	0.27
HULA_AGE999703	LA_AGE999703	11.17	268	0.3	83.8	0.25	9.61	0.29	0.25
HULA_DM000796	LA_DM000796	5.60	419	0.4	85.0	0.25	12.50	0.10	0.21
HULA_DM001699	LA_DM001699	41.23	609	0.1	82.5	0.25	11.84	0.13	0.22
HULA_DS000200	LA_DS000200	18.83	377	0.3	50.9	0.25	2.00	4.70	0.34
HULA_DS002289	LA_DS002289	3.16	54	0.1	80.6	0.25	11.48	0.15	0.22
HULA_DS004923	LA_DS004923	4.61	148	0.2	60.7	0.25	5.89	1.13	0.29
HULA_DS009497	LA_DS009497	2.82	118	0.3	70.8	0.25	11.03	0.17	0.23
HULA_DS009619	LA_DS009619	1.25	51	0.2	73.8	0.25	12.50	0.10	0.21
HUSBDD02	SBDD02	289.01	3000	0.1	50.2	0.25	5.44	0.79	0.28
HUSBDD03	SBDD03	319.49	3000	0.1	55.6	0.25	11.61	0.12	0.20
HUSBDD04	SBDD04	628.45	2281	0.0	48.7	0.25	11.72	0.12	0.20
HUSBDD05	SBDD05	303.58	3000	0.1	51.7	0.25	12.16	0.11	0.21
HUSBDD06	SBDD06	640.72	3000	0.1	44.8	0.25	10.79	0.17	0.23
HUSBDD07	SBDD07	967.78	3011	0.0	41.0	0.25	12.49	0.10	0.21
HUSBDD08	SBDD08	28.60	890	0.1	69.6	0.25	12.50	0.10	0.21
HUSBDD09	SBDD09	26.90	7323	2.5	72.7	0.25	10.99	0.16	0.23
HUWP_AGE999700	WP_AGE999700	13.59	905	0.8	79.7	0.25	6.93	0.77	0.28
HUWP_AGE999701	WP_AGE999701	13.12	242	0.1	82.8	0.25	2.00	4.70	0.34
HUWP_DM001964	WP_DM001964	10.35	318	0.2	77.1	0.25	7.38	0.65	0.27
HUWP_DO000857	WP_DO000857	5.61	414	1.0	78.2	0.25	8.94	0.37	0.25
HUWP_DO000864	WP_DO000864	4.26	654	2.5	82.1	0.25	12.37	0.11	0.21
HUWP_DS000245	WP_DS000245	7.00	437	0.2	52.9	0.25	2.00	4.70	0.34
HUWP_DS002314	WP_DS002314	15.78	429	0.1	85.4	0.25	5.14	1.49	0.30
HUWP_DS003636	WP_DS003636	7.22	189	0.1	85.3	0.25	2.00	4.70	0.34
HUWP_DS003639	WP_DS003639	13.22	353	0.1	61.6	0.25	2.00	4.70	0.34
HUWP_DS003649	WP_DS003649	6.27	360	0.3	75.7	0.25	8.33	0.46	0.26
HUWP_DS003656	WP_DS003656	11.04	377	0.1	52.4	0.25	2.00	4.70	0.34
HUWP_DS004254	WP_DS004254	22.33	432	0.1	89.3	0.25	2.00	4.70	0.34
HUWP_DS004267	WP_DS004267	4.01	264	0.4	89.9	0.25	12.41	0.10	0.21
HUWP_DS009475	WP_DS009475	15.82	370	0.1	57.8	0.25	2.00	4.70	0.34
HUWP_DS009590	WP_DS009590	2.61	175	0.2	81.6	0.25	10.21	0.23	0.24
HUWP_DS009657	WP_DS009657	9.76	140	0.2	72.1	0.25	2.56	3.82	0.33

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_AGE999699	915,639	614,443	-5.0	8.6	Storage
441_AGE999751	914,731	610,176	-5.0	6.6	Storage
441_AGE999752	915,520	610,440	-5.0	8.0	Storage
441_AGE999753	915,864	610,234	-5.0	7.4	Storage
441_AGE999754	916,132	610,766	-5.0	6.1	Storage
441_AGE999755	915,234	611,213	-5.0	8.1	Storage
441_AGE999756	916,142	611,010	-5.0	8.3	Storage
441_AGE999757	914,836	611,532	-5.0	7.9	Storage
441_AGE999758	915,542	611,747	-5.0	8.7	Storage
441_AGE999759	914,800	612,266	-5.0	8.3	Storage
441_AGE999760	915,709	613,120	-5.0	7.8	Storage
441_AGE999761	915,610	613,320	-5.0	8.3	Storage
441_AGE999762	915,147	613,611	-5.0	8.6	Storage
441_AGE999763	915,304	613,828	-5.0	8.4	Storage
441_AGE999764	914,767	614,762	-5.0	6.9	Storage
441_AGE999765	915,594	615,435	-5.0	7.5	Storage
441_AGE999766	914,927	619,220	-5.0	3.3	Storage
441_DMH000064	914,881	615,520	3.5	7.6	Junction
441_DMH000078	914,629	615,508	3.0	8.2	Junction
441_DMH000079	914,672	615,510	3.1	8.0	Junction
441_DMH002011	916,362	610,278	0.2	9.1	Junction
441_DMH002012	916,367	610,173	-0.1	9.5	Junction
441_DMH002017	916,350	610,876	4.5	8.5	Junction
441_DO000055	914,568	618,090	-5.0	3.8	Junction
441_DO000056	914,553	618,263	-5.0	3.4	Junction
441_DO000080	914,697	614,162	-5.0	8.7	Storage
441_DO000114	914,803	611,798	0.0	11.4	Junction
441_DS000041	915,870	618,998	-5.0	5.2	Storage
441_DS000160	916,280	612,184	9.2	8.8	Junction
441_DS002005	914,825	617,204	-5.0	4.2	Storage
441_DS002019	915,324	618,140	-0.2	5.4	Junction
441_DS002020	915,116	618,169	-0.4	5.6	Junction
441_DS002021	915,115	618,133	-0.5	3.6	Junction
441_DS002036	915,117	618,264	-5.0	4.0	Storage
441_DS002037	915,115	618,236	-0.3	5.5	Junction
441_DS002038	915,343	618,273	0.0	5.4	Junction
441_DS002063	914,762	618,119	-1.1	7.9	Junction
441_DS002105	914,863	616,295	-5.0	4.4	Storage
441_DS002110	916,136	616,013	-5.0	11.7	Storage
441_DS002126	914,884	615,548	-5.0	7.6	Storage
441_DS002147	914,851	615,464	-5.0	7.6	Storage
441_DS002216	914,790	612,866	-5.0	7.9	Storage
441_DS002244	914,848	612,822	-5.0	8.2	Storage
441_DS002276	914,728	611,496	-5.0	11.7	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
441_DS002365	915,105	610,194	-1.0	8.3	Junction
441_DS002387	916,265	612,637	-5.0	9.1	Storage
441_DS004921	915,421	612,847	-5.0	8.3	Storage
441_DS006088	914,937	618,127	-5.0	2.7	Storage
441_DS006995	916,194	612,912	0.1	9.5	Junction
441_DS006996	915,527	610,174	-5.0	7.7	Storage
441_DS006998	916,167	610,191	-1.0	7.5	Junction
441_DS007031	914,900	610,156	-5.0	8.5	Storage
441_DS007037	916,196	612,873	0.0	10.0	Junction
441_DS008709	916,194	612,219	-5.0	8.5	Storage
441_DS009644	916,350	610,589	4.6	8.5	Junction
441_DS009645	916,344	610,707	4.5	8.9	Junction
441_DS009647	916,346	610,939	-5.0	8.3	Storage
441_DS009649	916,323	611,467	3.0	8.4	Junction
441_DS010180	916,245	613,276	-5.0	9.1	Storage
441_DS010185	916,221	613,927	-5.0	8.4	Storage
441_DS010189	916,198	614,356	5.0	8.5	Junction
441_DS010194	916,175	615,013	5.4	10.2	Junction
441_DS010195	916,165	615,161	-5.0	9.5	Storage
441_NID14163	914,566	618,118	-1.5	18.0	Junction
BC_AGE999250	904,692	610,076	-3.9	0.1	Junction
BC_AGE999251	904,606	611,238	-4.0	0.3	Junction
BC_AGE999252	903,197	609,910	-7.0	0.2	Junction
BC_AGE999253	903,185	610,135	-6.9	0.4	Junction
BC_AGE999254	903,184	610,208	-7.0	0.2	Junction
BC_AGE999255	903,159	610,772	-6.9	0.2	Junction
BC_AGE999256	903,156	610,861	-6.9	1.5	Junction
BC_AGE999257	903,135	611,436	-6.9	1.9	Junction
BC_AGE999258	903,133	611,513	-7.0	2.3	Junction
BC_AGE999259	903,111	612,002	-7.1	0.3	Junction
BC_AGE999260	903,110	612,071	-7.0	0.1	Junction
BC_AGE999261	903,101	612,320	-6.9	0.1	Junction
BC_AGE999262	903,080	612,579	-6.4	0.3	Junction
BC_AGE999263	903,042	613,636	-4.9	0.0	Junction
BC_AGE999264	903,257	613,849	-5.0	2.3	Junction
BC_AGE999265	902,995	614,786	-4.9	0.6	Junction
BC_AGE999266	902,980	615,055	-5.0	0.2	Storage
BC_AGE999267	902,974	615,435	-5.0	0.6	Junction
BC_AGE999268	902,916	616,599	-4.9	0.3	Junction
BC_AGE999269	902,912	616,718	-3.1	0.3	Junction
BC_AGE999270	902,900	616,965	-5.0	0.3	Junction
BC_AGE999271	902,895	617,063	-5.0	0.3	Junction
BC_AGE999272	902,886	617,241	-4.9	0.3	Junction
BC_AGE999273	904,695	613,913	-3.9	3.4	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_AGE999274	904,599	613,909	-5.0	0.6	Storage
BC_AGE999275	913,746	608,585	3.8	3.4	Junction
BC_AGE999276	913,696	608,612	3.0	4.6	Junction
BC_AGE999277	914,417	609,987	5.0	5.6	Junction
BC_AGE999278	912,536	606,601	2.0	1.9	Junction
BC_AGE999279	912,503	606,569	2.0	1.9	Junction
BC_AGE999281	914,333	610,026	7.2	7.3	Junction
BC_AGE999283	914,375	620,736	-1.5	6.9	Junction
BC_AGE999284	914,357	620,875	-1.6	4.6	Junction
BC_AGE999285	914,609	617,114	0.8	2.1	Junction
BC_AGE999286	914,624	616,913	0.8	2.2	Junction
BC_AGE999287	914,661	615,606	1.5	10.9	Junction
BC_AGE999288	913,870	607,963	1.8	2.0	Junction
BC_AGE999289	914,794	608,612	0.0	4.1	Storage
BC_AGE999291	917,126	604,529	-5.0	4.1	Storage
BC_AGE999292	917,916	604,571	0.0	4.5	Storage
BC_AGE999669	914,236	619,796	-1.0	2.1	Junction
BC_AGE999670	914,154	620,725	-1.6	6.8	Junction
BC_AGE999671	913,932	623,162	-5.0	2.0	Storage
BC_AGE999676	907,438	617,593	-1.6	0.3	Junction
BC_AGE999677	906,163	617,537	-3.1	0.6	Junction
BC_AGE999678	904,186	617,455	-6.0	0.3	Junction
BC_AGE999679	903,614	617,432	-3.0	0.3	Junction
BC_AGE999680	902,954	617,560	-3.0	0.2	Junction
BC_AGE999681	908,065	617,611	-2.0	0.2	Junction
BC_AGE999682	903,144	617,567	2.6	3.7	Junction
BC_AGE999683	903,141	617,456	1.8	2.8	Junction
BC_AGE999684	904,274	617,607	1.0	4.1	Junction
BC_AGE999685	904,285	617,532	2.7	3.1	Junction
BC_AGE999692	914,233	619,823	-1.1	2.2	Junction
BC_AGE999704	911,226	604,809	-5.0	3.5	Storage
BC_AGE999705	912,164	606,165	-5.0	4.3	Storage
BC_AGE999706	912,316	606,044	-5.0	1.7	Junction
BC_AGE999747	914,146	620,792	-1.6	7.7	Junction
BC_AGE999767	915,080	620,516	-5.0	6.0	Storage
BC_AGE999768	914,930	620,966	-5.0	5.9	Storage
BC_AGE999770	914,144	623,174	-5.0	1.9	Storage
BC_AGE999773	911,086	623,111	-5.0	5.6	Storage
BC_AGE999774	910,341	623,148	-5.0	5.6	Storage
BC_AGE999775	909,033	622,999	-5.0	2.1	Storage
BC_AGE999776	908,546	622,307	-5.0	3.0	Storage
BC_AGE999777	906,664	621,345	-5.0	1.9	Storage
BC_AGE999778	905,365	620,216	-5.0	4.6	Storage
BC_AGE999779	904,713	619,591	-5.0	4.3	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_AGE999780	903,434	618,896	-5.0	2.2	Storage
BC_AGE999781	903,201	618,526	-5.0	3.0	Storage
BC_AGE999782	906,732	616,741	-5.0	0.1	Storage
BC_AGE999783	904,607	616,465	-5.0	-0.7	Storage
BC_AGE999784	902,963	615,545	-5.0	0.4	Junction
BC_AGE999786	903,718	614,055	-5.0	3.4	Storage
BC_AGE999787	903,032	613,847	-5.0	0.3	Storage
BC_AGE999788	904,397	613,686	-5.0	3.9	Storage
BC_AGE999789	903,149	611,180	-10.0	0.1	Storage
BC_AGE999790	905,092	610,237	-5.0	5.2	Storage
BC_AGE999791	906,625	610,346	-5.0	5.9	Storage
BC_AGE999793	907,233	610,280	-5.0	5.8	Storage
BC_AGE999796	913,405	608,821	-5.0	5.1	Storage
BC_DMH000053	904,271	617,642	1.1	5.2	Junction
BC_DMH000070	906,803	615,189	0.7	5.8	Junction
BC_DMH000076	906,469	615,175	0.7	5.3	Junction
BC_DMH000087	908,221	615,249	0.2	5.9	Junction
BC_DMH000089	907,962	615,235	0.5	5.2	Junction
BC_DMH000090	907,817	615,229	0.8	5.6	Junction
BC_DMH000093	907,553	615,218	0.7	6.1	Junction
BC_DMH000094	907,302	615,210	0.7	5.6	Junction
BC_DMH000101	907,089	615,200	0.3	5.2	Junction
BC_DMH000103	906,163	615,164	0.7	5.7	Junction
BC_DMH000105	905,857	615,153	0.5	5.1	Junction
BC_DMH000106	905,671	615,145	0.2	5.5	Junction
BC_DMH000116	912,873	604,721	-0.3	8.6	Junction
BC_DMH000117	913,072	604,723	0.2	8.0	Junction
BC_DMH000133	913,718	610,077	-0.3	9.7	Junction
BC_DMH000134	913,924	610,083	-0.4	8.8	Junction
BC_DMH000135	914,261	610,081	-0.8	8.8	Junction
BC_DMH000140	911,089	604,641	-1.7	8.4	Junction
BC_DMH000141	911,332	604,649	-1.2	8.0	Junction
BC_DMH000142	911,554	604,664	-1.0	8.3	Junction
BC_DMH000143	911,812	604,670	-1.0	8.7	Junction
BC_DMH000144	911,987	604,671	-0.8	9.0	Junction
BC_DMH000145	912,355	604,695	-0.6	8.7	Junction
BC_DMH000589	913,789	622,858	-0.2	5.0	Junction
BC_DMH000644	912,238	620,497	-5.0	4.1	Storage
BC_DMH000645	912,188	620,470	1.1	4.1	Junction
BC_DMH000648	912,565	619,916	1.7	5.0	Junction
BC_DMH000649	912,191	620,286	1.2	4.5	Junction
BC_DMH000651	914,021	619,688	0.9	6.9	Junction
BC_DMH000652	913,721	619,676	0.8	7.0	Junction
BC_DMH000655	912,931	619,879	1.2	6.3	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_DMH000656	912,949	619,847	1.1	6.6	Junction
BC_DMH000657	913,158	619,680	0.8	6.8	Junction
BC_DMH000658	913,451	619,666	0.7	7.3	Junction
BC_DMH000659	913,384	619,678	0.6	7.1	Junction
BC_DMH000739	914,363	604,763	1.3	7.9	Junction
BC_DMH000740	915,014	604,758	2.3	9.8	Junction
BC_DMH000741	915,273	604,750	3.2	9.3	Junction
BC_DMH000742	915,413	604,755	3.3	9.1	Junction
BC_DMH000743	915,937	604,752	4.0	10.4	Junction
BC_DMH000744	916,158	604,749	4.8	10.0	Junction
BC_DMH000745	916,360	604,749	5.2	9.8	Junction
BC_DMH000753	912,192	620,166	1.3	5.0	Junction
BC_DMH000754	912,720	620,020	1.4	5.7	Junction
BC_DMH000755	912,272	619,986	1.4	5.6	Junction
BC_DMH000756	912,557	619,960	1.5	5.1	Junction
BC_DMH000758	912,535	620,506	0.8	4.8	Junction
BC_DMH000767	914,536	604,763	1.4	9.0	Junction
BC_DMH000768	915,695	604,752	3.7	9.8	Junction
BC_DMH000826	913,968	604,761	1.0	8.7	Junction
BC_DMH000827	914,166	604,762	1.2	8.2	Junction
BC_DMH000834	913,612	604,750	0.7	8.0	Junction
BC_DMH000957	913,858	621,861	-0.6	5.8	Junction
BC_DMH000958	913,823	621,882	-0.5	5.8	Junction
BC_DMH000959	913,614	621,877	0.0	6.0	Junction
BC_DMH000960	913,345	621,871	0.5	4.8	Junction
BC_DMH000962	913,889	621,621	-0.3	6.3	Junction
BC_DMH000988	912,903	620,569	0.5	5.8	Junction
BC_DMH000989	912,877	620,516	0.6	5.8	Junction
BC_DMH000991	912,842	619,945	1.3	6.2	Junction
BC_DMH000992	912,898	620,680	0.3	5.8	Junction
BC_DMH000994	913,364	620,426	0.2	7.4	Junction
BC_DMH000995	913,406	620,435	0.2	7.0	Junction
BC_DMH000996	913,626	620,454	0.1	6.6	Junction
BC_DMH000998	913,909	620,473	-5.0	6.5	Storage
BC_DMH000999	913,999	620,529	-0.1	6.9	Junction
BC_DMH001000	913,383	620,701	0.1	7.3	Junction
BC_DMH001001	913,941	620,745	-0.1	7.6	Junction
BC_DMH001002	913,978	620,748	-0.2	7.9	Junction
BC_DMH001009	913,919	621,324	0.0	6.8	Junction
BC_DMH001749	912,238	618,050	-4.0	5.0	Junction
BC_DO000028	906,797	617,703	2.0	3.5	Junction
BC_DO000047	907,803	617,741	2.5	3.7	Junction
BC_DO000049	907,443	617,758	-3.7	4.1	Junction
BC_DO000050	906,254	617,680	2.0	3.7	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_DO000052	903,140	617,416	-5.0	0.2	Storage
BC_DO000053	903,408	617,577	-1.0	2.0	Junction
BC_DO000058	905,665	617,656	2.0	3.4	Junction
BC_DO000060	905,474	617,512	-4.1	2.6	Junction
BC_DO000061	904,874	617,489	-5.0	0.3	Storage
BC_DO000062	904,919	617,631	0.0	3.7	Junction
BC_DO000063	904,705	617,624	1.0	3.6	Junction
BC_DO000064	904,316	617,472	-6.0	0.2	Junction
BC_DO000065	908,061	617,764	-10.0	0.9	Junction
BC_DO000068	908,104	616,818	-3.2	0.4	Junction
BC_DO000070	908,146	615,767	-4.0	1.6	Junction
BC_DO000079	905,657	613,959	-5.0	4.4	Storage
BC_DO000592	913,826	622,809	-5.0	1.9	Storage
BC_DO000612	914,023	621,933	-5.0	2.0	Junction
BC_DO000715	914,111	621,095	-1.6	1.8	Junction
BC_DO000797	908,133	616,040	-1.5	0.2	Junction
BC_DO000824	903,406	617,466	2.0	2.1	Junction
BC_DO000825	903,483	617,429	-3.3	0.4	Junction
BC_DO000826	904,712	617,518	2.0	3.3	Junction
BC_DO000827	904,713	617,483	-1.5	0.7	Junction
BC_DO000828	904,920	617,536	2.0	2.4	Junction
BC_DO000830	905,660	617,560	1.5	2.4	Junction
BC_DO000831	905,661	617,519	-4.0	0.4	Junction
BC_DO000832	906,256	617,582	2.0	3.0	Junction
BC_DO000833	906,256	617,544	-3.0	1.5	Junction
BC_DO000834	906,797	617,601	2.0	2.6	Junction
BC_DO000835	906,797	617,563	-5.0	0.9	Storage
BC_DO000836	907,807	617,637	2.0	2.6	Junction
BC_DO000837	907,807	617,604	-1.8	0.5	Junction
BC_DS000008	912,574	619,545	2.1	6.8	Junction
BC_DS000027	912,389	619,932	1.5	5.2	Junction
BC_DS000028	912,521	619,925	1.6	4.7	Junction
BC_DS000044	912,509	619,507	-5.0	2.2	Storage
BC_DS000047	914,064	619,756	1.1	6.5	Junction
BC_DS000053	912,925	619,911	1.2	6.3	Junction
BC_DS000054	912,952	619,735	1.0	6.7	Junction
BC_DS000056	913,026	619,677	0.9	6.6	Junction
BC_DS000058	913,363	619,648	0.7	6.8	Junction
BC_DS000059	913,364	619,681	0.7	6.9	Junction
BC_DS000066	912,936	619,864	1.1	6.4	Junction
BC_DS001239	913,956	621,045	-0.4	6.6	Junction
BC_DS001247	912,899	620,665	0.4	5.6	Junction
BC_DS001321	912,793	618,114	-3.0	3.8	Junction
BC_DS001325	912,228	618,080	-5.0	4.0	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_DS001427	907,961	615,252	-5.0	5.0	Storage
BC_DS002144	906,467	615,194	1.5	4.8	Junction
BC_DS002177	907,087	615,218	1.0	5.0	Junction
BC_DS002184	905,635	614,636	0.5	4.0	Junction
BC_DS002187	905,626	614,822	-5.0	3.5	Storage
BC_DS002190	905,857	615,181	-5.0	4.4	Storage
BC_DS002192	905,623	615,067	0.7	4.9	Junction
BC_DS002205	905,667	613,836	-0.3	3.7	Junction
BC_DS002232	905,656	614,085	-5.0	4.0	Storage
BC_DS002382	912,228	605,247	-5.0	5.9	Storage
BC_DS002656	913,953	621,079	-0.5	6.4	Junction
BC_DS002748	912,214	604,679	-0.7	8.7	Junction
BC_DS002749	911,360	604,722	-5.0	7.6	Storage
BC_DS003653	917,915	604,672	2.1	7.9	Junction
BC_DS006647	913,484	622,895	0.1	5.0	Junction
BC_DS006648	913,486	622,822	0.0	5.1	Junction
BC_DS006649	913,638	622,827	-0.1	5.1	Junction
BC_DS006675	913,305	623,008	-5.0	4.5	Storage
BC_DS006676	913,307	622,934	0.4	4.8	Junction
BC_DS006677	913,379	622,969	0.3	4.9	Junction
BC_DS006682	913,482	622,968	0.2	4.9	Junction
BC_DS006939	906,797	617,747	2.1	3.9	Junction
BC_DS006945	907,602	617,779	2.7	4.8	Junction
BC_DS006947	907,801	617,787	2.6	4.3	Junction
BC_DS006950	906,252	617,725	2.1	3.9	Junction
BC_DS006952	906,163	617,722	2.2	4.2	Junction
BC_DS006955	907,203	617,763	2.5	4.5	Junction
BC_DS006956	906,944	617,753	-5.0	3.9	Storage
BC_DS006959	903,404	617,606	-5.0	3.7	Storage
BC_DS006960	903,145	617,614	3.0	4.8	Junction
BC_DS006965	908,055	617,832	-7.4	5.9	Junction
BC_DS006968	913,371	618,123	-5.0	4.2	Storage
BC_DS006975	905,664	617,701	2.1	3.9	Junction
BC_DS006976	905,475	617,675	-1.0	3.9	Junction
BC_DS006979	904,918	617,673	0.2	4.4	Junction
BC_DS006981	904,705	617,664	1.1	4.0	Junction
BC_DS006985	904,060	617,627	1.5	4.1	Junction
BC_DS006987	903,663	617,616	-0.1	4.0	Junction
BC_DS007006	915,267	604,735	-5.0	8.9	Storage
BC_DS007014	916,163	604,718	5.0	9.2	Junction
BC_DS007019	913,073	604,694	0.5	8.5	Junction
BC_DS007025	912,615	604,657	0.0	7.9	Junction
BC_DS007043	914,184	610,133	-5.0	7.2	Storage
BC_DS007044	914,265	610,036	-5.0	7.4	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_DS007050	913,985	604,707	-5.0	7.8	Storage
BC_DS007054	911,342	604,618	-1.0	7.2	Junction
BC_DS007060	912,214	604,759	0.0	8.4	Junction
BC_DS007062	912,356	604,683	0.0	8.5	Junction
BC_DS007064	904,454	617,655	1.5	4.5	Junction
BC_DS007066	913,614	604,728	1.0	8.1	Junction
BC_DS007466	914,063	621,090	-1.0	8.2	Junction
BC_DS008738	905,849	610,480	-5.0	4.9	Storage
BC_DS008739	906,469	610,502	-5.0	5.1	Storage
BC_DS009286	904,060	617,640	1.6	4.6	Junction
BC_DS009287	903,654	617,628	0.0	4.1	Junction
BC_DS009292	905,573	617,678	-1.0	3.9	Junction
BC_Ex-20	912,435	610,034	0.9	9.2	Junction
BC_FDG000020	912,614	604,709	-0.4	9.1	Junction
BC_FDG000023	914,401	610,086	-0.7	9.4	Junction
BC_FDG000024	914,178	610,079	-0.5	8.3	Junction
BC_FDOT15863	917,543	604,650	2.5	9.5	Junction
BC_FDOT15864	916,285	604,713	5.2	8.7	Junction
BC_FDOT15865	916,360	604,706	5.3	8.6	Junction
BC_FDOT15866	916,556	604,691	5.4	10.3	Junction
BC_FDOT15867	916,647	604,682	4.8	10.4	Junction
BC_FDOT15868	916,738	604,671	4.2	10.0	Junction
BC_FDOT15869	917,136	604,737	3.2	8.2	Junction
BC_FDOT15870	917,048	604,651	3.1	8.5	Junction
BC_FDOT15871	916,373	604,706	5.3	8.5	Junction
BC_FDOT15875	916,855	604,660	3.6	9.9	Junction
BC_FDOT15876	915,321	604,750	3.2	9.3	Junction
BC_FDOT15890	911,538	610,010	1.8	8.0	Junction
BC_FDOT15892	911,693	610,015	1.6	8.4	Junction
BC_FDOT15893	911,951	610,023	1.4	8.9	Junction
BC_FDOT15894	912,173	610,034	1.2	8.0	Junction
BC_FDOT15895	912,371	610,038	1.0	8.9	Junction
BC_FDOT15898	912,741	610,032	0.7	8.8	Junction
BC_FDOT15899	912,949	610,052	0.5	8.8	Junction
BC_FDOT15900	912,965	610,098	-5.0	7.0	Storage
BC_FDOT15901	913,120	610,055	0.3	9.1	Junction
BC_FDOT15902	913,220	610,054	0.2	9.1	Junction
BC_FDOT15904	913,365	610,056	0.0	9.1	Junction
BC_FDOT15906	904,005	609,751	-4.8	8.5	Junction
BC_FDOT15907	904,130	609,763	-4.5	8.2	Junction
BC_FDOT15908	904,720	609,778	-3.7	7.9	Junction
BC_FDOT15909	904,968	609,787	-3.5	7.9	Junction
BC_FDOT15911	905,351	609,798	-3.2	8.3	Junction
BC_FDOT15912	905,521	609,806	-3.0	7.5	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_FDOT15913	905,936	609,816	-2.5	8.4	Junction
BC_FDOT15917	907,204	609,855	-1.4	8.3	Junction
BC_FDOT15918	906,981	609,852	-1.6	7.9	Junction
BC_FDOT15919	907,449	609,865	-1.2	8.2	Junction
BC_FDOT15920	907,761	609,876	-1.0	9.0	Junction
BC_FDOT15921	908,069	609,896	-0.7	8.2	Junction
BC_FDOT15922	908,279	609,908	-0.5	8.5	Junction
BC_FDOT15923	908,488	609,918	0.0	8.8	Junction
BC_FDOT15924	909,118	609,936	0.7	9.4	Junction
BC_FDOT15925	908,826	609,929	0.5	7.9	Junction
BC_FDOT15926	909,508	609,947	1.0	8.7	Junction
BC_FDOT15927	909,793	609,957	1.2	10.1	Junction
BC_FDOT15928	909,988	609,961	1.3	8.5	Junction
BC_FDOT15929	910,224	609,971	1.5	7.9	Junction
BC_FDOT15930	910,848	609,990	2.0	7.8	Junction
BC_FDOT15932	906,120	609,823	-2.3	8.2	Junction
BC_FDOT15933	906,400	609,832	-2.1	8.9	Junction
BC_FDOT15934	906,735	609,843	-1.8	7.7	Junction
BC_FDOT15935	903,431	609,724	-1.5	8.7	Junction
BC_FDOT15936	903,748	609,751	-2.0	9.6	Junction
BC_FDOT15937	904,431	609,771	-4.0	8.7	Junction
BC_FDOT15939	910,537	609,980	1.8	9.0	Junction
BC_FDOT9870	916,419	604,701	5.4	8.2	Junction
BC_FDOT9872	917,135	604,643	3.0	8.9	Junction
BC_FDOT9873	917,029	604,651	3.2	8.7	Junction
BC_FDOT9901	911,536	610,053	2.0	7.1	Junction
BC_FDOT9902	911,540	609,953	-5.0	6.8	Storage
BC_FDOT9913	912,912	609,996	1.0	7.5	Junction
BC_FDOT9920	903,431	609,796	-1.0	7.0	Junction
BC_FDOT9921	903,435	609,679	-1.0	7.2	Junction
BC_FDOT9924	904,131	609,817	0.0	6.4	Junction
BC_FDOT9925	904,134	609,715	-5.0	6.3	Storage
BC_FDOT9926	904,718	609,836	0.0	6.2	Junction
BC_FDOT9927	904,721	609,736	0.0	6.2	Junction
BC_FDOT9932	905,520	609,862	0.5	6.2	Junction
BC_FDOT9933	905,523	609,761	0.5	6.2	Junction
BC_FDOT9934	906,118	609,881	0.5	6.3	Junction
BC_FDOT9935	906,124	609,768	-5.0	5.9	Storage
BC_FDOT9936	906,735	609,901	-5.0	6.2	Storage
BC_FDOT9937	906,735	609,801	0.5	6.1	Junction
BC_FDOT9940	907,448	609,924	-5.0	6.8	Storage
BC_FDOT9941	907,452	609,816	-5.0	6.3	Storage
BC_FDOT9942	908,068	609,944	0.0	6.9	Junction
BC_FDOT9945	908,282	609,851	0.0	7.1	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BC_FDOT9946	908,825	609,969	-5.0	7.2	Storage
BC_FDOT9947	908,828	609,868	-5.0	6.9	Storage
BC_FDOT9948	909,507	609,989	1.5	7.2	Junction
BC_FDOT9949	909,509	609,889	1.5	7.3	Junction
BC_FDOT9952	910,224	610,012	2.0	6.7	Junction
BC_FDOT9953	910,225	609,911	2.0	6.6	Junction
BC_FDOT9954	910,847	610,032	-5.0	6.5	Storage
BC_FDOT9955	910,851	609,932	-5.0	6.4	Storage
BC_FDOTNW01	912,083	623,343	0.0	5.9	Junction
BC_FDOTNW02	911,905	623,338	-5.0	5.2	Storage
BC_FDOTNW03	911,061	623,296	-4.5	5.9	Junction
BC_FDOTNW06	910,605	623,284	-4.7	5.6	Junction
BC_FDOTNW07	910,345	623,270	-5.0	6.8	Storage
BC_FDOTNW09	910,605	623,177	-5.0	5.2	Storage
BC_FDOTNW10	911,863	623,213	-5.0	5.5	Storage
BC_FDOTNW11	912,485	623,261	-5.0	5.6	Storage
BC_NID10208	912,569	619,748	1.9	6.0	Junction
BC_NID10229	913,371	620,175	0.3	7.8	Junction
BC_NID10231	913,377	619,917	0.4	8.3	Junction
BC_NID10232	913,382	619,729	0.5	7.7	Junction
BC_NID10262	913,991	621,919	-1.0	7.4	Junction
BC_NID10264	914,004	620,480	-0.1	6.8	Junction
BC_NID10265	914,066	619,710	1.0	6.9	Junction
BC_NID12391	916,163	604,719	5.0	9.2	Junction
BC_NID12392	916,951	604,646	3.3	9.0	Junction
BC_NID12393	917,835	604,666	2.2	8.6	Junction
BC_NID12402	904,007	609,705	-4.9	7.2	Junction
BC_NID15878	914,576	604,762	1.4	9.2	Junction
BC_NID9879	917,329	604,646	2.7	8.4	Junction
BC_NID9880	917,751	604,663	2.3	9.0	Junction
BC_SBDD_O1	903,647	597,059	-10.0	0.2	Junction
BC_SBDD_S1_DS	903,675	596,585	-10.0	5.1	Junction
BH_AGE999280	914,625	612,397	7.0	19.4	Junction
BH_AGE999290	914,418	610,214	3.0	3.2	Junction
BH_AGE999694	910,877	612,719	-5.0	5.4	Storage
BH_AGE999797	914,418	610,237	-5.0	3.8	Storage
BH_AGE999798	914,415	610,965	-5.0	8.8	Storage
BH_AGE999799	914,162	611,465	-5.0	8.6	Storage
BH_AGE999800	912,707	611,187	-5.0	3.9	Storage
BH_AGE999802	911,519	611,045	-5.0	6.1	Storage
BH_AGE999803	911,205	611,329	-5.0	5.6	Storage
BH_AGE999804	910,200	611,037	-5.0	5.5	Storage
BH_AGE999805	909,909	611,287	-5.0	4.8	Storage
BH_AGE999806	909,726	611,078	-5.0	5.5	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BH_AGE999807	908,996	611,009	-5.0	5.4	Storage
BH_AGE999808	908,488	610,594	-5.0	5.0	Storage
BH_AGE999809	908,206	610,602	-5.0	5.0	Storage
BH_AGE999810	906,303	611,189	-5.0	5.3	Storage
BH_AGE999811	905,796	611,970	-5.0	5.4	Storage
BH_AGE999812	906,281	612,488	-5.0	5.2	Storage
BH_AGE999813	907,773	612,537	-5.0	5.7	Storage
BH_AGE999814	907,152	611,200	-5.0	5.5	Storage
BH_AGE999815	907,218	610,912	-5.0	4.9	Storage
BH_AGE999816	908,150	610,863	-5.0	5.8	Storage
BH_AGE999817	906,674	610,945	-5.0	5.5	Storage
BH_AGE999818	908,924	611,761	-5.0	4.8	Storage
BH_AGE999819	908,887	612,542	-5.0	5.3	Storage
BH_AGE999820	909,682	611,977	-5.0	5.1	Storage
BH_AGE999821	910,579	612,659	-5.0	5.1	Storage
BH_AGE999822	910,665	612,037	-5.0	5.7	Storage
BH_AGE999823	910,889	611,995	-5.0	5.7	Storage
BH_AGE999824	911,233	612,692	-5.0	4.9	Storage
BH_AGE999825	911,420	611,960	-5.0	6.4	Storage
BH_AGE999826	912,826	611,675	-5.0	6.5	Storage
BH_AGE999827	912,695	612,748	-5.0	5.2	Storage
BH_AGE999828	914,496	613,112	-5.0	7.8	Storage
BH_AGE999829	913,666	613,102	-5.0	7.7	Storage
BH_AGE999830	913,158	612,826	-5.0	6.6	Storage
BH_AGE999831	912,291	613,774	-5.0	5.5	Storage
BH_AGE999832	913,629	613,849	-5.0	7.6	Storage
BH_AGE999833	914,262	614,117	-5.0	6.7	Storage
BH_AGE999834	914,244	614,614	-5.0	7.4	Storage
BH_AGE999835	913,048	615,083	-5.0	5.7	Storage
BH_AGE999836	913,090	614,851	-5.0	5.7	Storage
BH_AGE999837	913,053	614,424	-5.0	5.6	Storage
BH_AGE999838	912,770	614,791	-5.0	6.4	Storage
BH_AGE999839	911,070	614,841	-5.0	5.8	Storage
BH_AGE999840	910,320	614,650	-5.0	5.9	Storage
BH_AGE999841	909,511	613,945	-5.0	5.4	Storage
BH_AGE999842	909,638	613,331	-5.0	5.7	Storage
BH_AGE999843	909,642	612,685	-5.0	5.3	Storage
BH_AGE999844	908,372	613,281	-5.0	5.5	Storage
BH_AGE999845	908,816	613,954	-5.0	5.7	Storage
BH_AGE999846	908,270	613,930	-5.0	5.3	Storage
BH_AGE999847	908,240	613,624	-5.0	5.4	Storage
BH_AGE999848	907,178	613,083	-5.0	5.6	Storage
BH_AGE999849	906,450	612,548	-5.0	5.6	Storage
BH_AGE999850	906,881	613,939	-5.0	4.9	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BH_AGE999851	907,079	614,649	-5.0	4.1	Storage
BH_AGE999852	908,304	614,563	-5.0	5.6	Storage
BH_AGE999899	905,428	612,502	-5.0	5.0	Storage
BH_DMH000055	912,394	615,388	-5.0	7.2	Storage
BH_DMH000056	912,795	615,404	2.5	8.0	Junction
BH_DMH000057	912,525	615,393	2.7	7.4	Junction
BH_DMH000058	911,530	615,349	1.3	6.7	Junction
BH_DMH000059	913,285	615,425	2.1	8.1	Junction
BH_DMH000060	913,550	615,435	1.9	8.7	Junction
BH_DMH000062	914,034	615,451	2.1	8.7	Junction
BH_DMH000063	913,066	615,415	2.4	7.6	Junction
BH_DMH000065	913,763	615,443	2.0	8.2	Junction
BH_DMH000068	911,040	615,335	1.9	5.7	Junction
BH_DMH000069	910,957	615,333	2.0	5.6	Junction
BH_DMH000071	908,514	615,228	-5.0	5.4	Storage
BH_DMH000072	909,780	615,284	1.0	5.7	Junction
BH_DMH000073	908,273	615,086	0.0	5.4	Junction
BH_DMH000074	908,269	615,216	-0.8	6.1	Junction
BH_DMH000075	909,229	615,258	0.5	6.2	Junction
BH_DMH000077	912,089	615,377	1.4	8.2	Junction
BH_DMH000080	911,828	615,362	1.7	7.5	Junction
BH_DMH000081	912,200	615,380	1.5	8.0	Junction
BH_DMH000083	914,302	615,461	2.2	7.9	Junction
BH_DMH000085	911,340	615,343	1.7	6.4	Junction
BH_DMH000086	911,196	615,340	1.8	6.2	Junction
BH_DMH000088	909,503	615,270	0.8	5.2	Junction
BH_DMH000091	910,727	615,323	2.0	5.3	Junction
BH_DMH000092	909,283	615,261	0.6	6.3	Junction
BH_DMH000096	910,488	615,314	1.5	5.6	Junction
BH_DMH000097	910,278	615,305	1.3	5.7	Junction
BH_DMH000100	909,005	615,249	0.2	5.7	Junction
BH_DMH000102	909,996	615,293	1.1	5.1	Junction
BH_DMH000104	912,213	615,103	3.0	5.8	Junction
BH_DMH000158	908,782	615,237	-0.2	6.0	Junction
BH_DMH001872	905,657	615,099	0.5	5.1	Junction
BH_DO000067	906,701	614,270	-5.0	2.4	Junction
BH_DO000073	914,482	615,438	2.5	4.4	Junction
BH_DO000074	906,691	614,507	-2.9	0.9	Junction
BH_DO000076	914,540	614,391	5.5	7.8	Junction
BH_DO000077	914,553	614,158	-5.0	6.7	Storage
BH_DO000078	905,710	613,961	-5.0	3.8	Storage
BH_DO000082	914,573	613,691	5.4	12.8	Junction
BH_DO000089	914,630	611,795	-5.0	8.3	Storage
BH_DS000135	910,332	614,028	-5.0	5.1	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BH_DS000136	911,070	613,819	-5.0	4.6	Storage
BH_DS000257	910,007	613,372	-5.0	5.5	Storage
BH_DS001370	911,042	614,471	-5.0	5.1	Storage
BH_DS001412	909,005	615,210	-5.0	5.0	Storage
BH_DS001414	908,782	615,204	0.0	5.2	Junction
BH_DS001424	911,039	615,298	-5.0	5.2	Storage
BH_DS001428	907,965	615,194	-5.0	4.9	Storage
BH_DS001429	912,267	615,053	3.1	5.2	Junction
BH_DS001438	912,171	615,102	-5.0	5.2	Storage
BH_DS001441	914,559	614,392	3.0	12.6	Junction
BH_DS001445	908,107	612,604	-5.0	5.0	Storage
BH_DS001447	912,323	613,028	-5.0	5.1	Storage
BH_DS001450	908,112	612,559	-5.0	5.0	Storage
BH_DS002094	913,543	614,628	-5.0	6.5	Storage
BH_DS002095	906,565	614,260	-5.0	3.3	Storage
BH_DS002138	906,807	615,124	1.0	4.8	Junction
BH_DS002142	909,504	615,234	-5.0	4.6	Storage
BH_DS002145	906,470	615,137	1.5	5.0	Junction
BH_DS002148	914,304	615,443	4.1	7.6	Junction
BH_DS002153	913,763	615,425	2.2	8.2	Junction
BH_DS002157	910,753	615,290	-5.0	4.4	Storage
BH_DS002166	907,556	615,157	1.0	5.5	Junction
BH_DS002171	913,516	615,255	-5.0	7.8	Storage
BH_DS002178	907,083	615,136	1.0	4.8	Junction
BH_DS002180	906,968	614,643	0.5	3.7	Junction
BH_DS002181	910,004	615,255	-5.0	4.4	Storage
BH_DS002185	905,670	614,640	0.2	3.7	Junction
BH_DS002186	909,294	615,024	-5.0	4.9	Storage
BH_DS002188	905,663	614,823	-5.0	3.6	Storage
BH_DS002191	905,859	615,112	1.0	4.8	Junction
BH_DS002193	905,650	615,081	0.6	4.7	Junction
BH_DS002197	906,731	614,634	-5.0	3.6	Storage
BH_DS002198	905,690	614,148	-0.5	3.9	Junction
BH_DS002199	905,680	614,410	0.1	3.8	Junction
BH_DS002200	905,684	614,307	-0.1	3.8	Junction
BH_DS002201	905,673	614,562	0.1	3.9	Junction
BH_DS002203	905,685	613,613	-5.0	3.9	Storage
BH_DS002206	905,706	613,837	0.0	3.4	Junction
BH_DS002208	905,712	613,774	-5.0	3.7	Storage
BH_DS002209	905,669	613,774	0.4	3.7	Junction
BH_DS002211	914,590	613,692	5.0	16.8	Junction
BH_DS002229	914,580	613,892	4.0	12.7	Junction
BH_DS002230	905,695	613,972	-0.7	3.9	Junction
BH_DS002231	905,693	614,075	-5.0	3.5	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BH_DS002239	913,668	612,856	-5.0	6.8	Storage
BH_DS002246	914,592	612,859	4.0	7.9	Junction
BH_DS002249	914,593	612,820	-5.0	7.8	Storage
BH_DS002251	913,853	612,792	-5.0	6.9	Storage
BH_DS002269	906,731	611,999	-5.0	5.3	Storage
BH_DS002273	914,668	611,791	6.2	13.3	Junction
BH_DS002274	914,721	611,798	6.4	14.8	Junction
BH_DS002284	906,574	611,170	-5.0	5.2	Storage
BH_DS002409	913,775	610,323	-5.0	8.0	Storage
BH_DS002434	914,683	611,468	-5.0	10.8	Storage
BH_DS004219	913,066	615,398	3.0	7.3	Junction
BH_DS005461	908,853	612,656	-5.0	4.5	Storage
BH_DS007683	911,792	613,626	-5.0	5.7	Storage
BH_DS008311	907,176	610,558	-5.0	4.2	Storage
BH_DS008769	907,852	612,707	-5.0	5.3	Storage
BH_DS008819	912,098	613,145	-5.0	4.7	Storage
BH_DS008822	912,134	614,055	-5.0	4.9	Storage
BH_DS009332	910,189	613,598	-5.0	2.5	Storage
BH_NID10268	914,539	614,391	1.0	7.0	Junction
BH_NID10269	914,560	613,892	2.0	8.4	Junction
BH_NID10270	914,573	613,691	3.0	12.8	Junction
BH_NID10271	914,592	612,859	4.0	7.9	Junction
BH_NID10272	914,592	612,877	3.9	8.5	Junction
BH_NID10273	914,593	612,804	4.0	4.7	Junction
BP_AGE999693	915,286	609,769	-5.0	6.2	Storage
BP_AGE999707	912,993	606,101	-5.0	6.7	Storage
BP_AGE999708	913,140	605,289	-5.0	8.1	Storage
BP_AGE999709	913,875	606,360	-5.0	7.3	Storage
BP_AGE999710	913,929	606,360	-5.0	7.4	Storage
BP_AGE999711	914,207	605,825	-5.0	7.4	Storage
BP_AGE999712	914,784	605,730	-5.0	7.4	Storage
BP_AGE999713	915,342	605,437	-5.0	8.3	Storage
BP_AGE999714	915,758	606,131	-5.0	7.4	Storage
BP_AGE999715	915,994	606,260	-5.0	7.8	Storage
BP_AGE999716	915,185	606,420	-5.0	8.1	Storage
BP_AGE999717	913,755	607,439	-5.0	7.8	Storage
BP_AGE999718	914,238	607,054	-5.0	7.6	Storage
BP_AGE999719	915,509	607,047	-5.0	7.9	Storage
BP_AGE999720	913,953	607,746	-5.0	7.6	Storage
BP_AGE999721	914,810	607,562	-5.0	7.1	Storage
BP_AGE999722	916,349	608,080	-5.0	6.8	Storage
BP_AGE999723	915,727	608,119	-5.0	7.5	Storage
BP_AGE999724	914,857	608,606	-5.0	6.5	Storage
BP_AGE999725	915,214	608,559	-5.0	6.8	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BP_AGE999726	915,537	609,236	-5.0	6.8	Storage
BP_DMH000110	915,511	610,121	-1.0	8.9	Junction
BP_DMH000111	914,483	610,042	-0.7	7.8	Junction
BP_DMH000112	916,167	610,148	-0.4	9.4	Junction
BP_DMH000113	915,631	610,113	-0.9	8.8	Junction
BP_DMH000127	914,648	610,029	-2.2	8.4	Junction
BP_DMH000128	914,671	610,019	-2.2	8.5	Junction
BP_DMH000129	914,624	609,647	-2.7	8.4	Junction
BP_DMH000130	914,683	609,737	-2.5	9.4	Junction
BP_DMH000131	914,679	609,838	-2.0	9.5	Junction
BP_DMH000759	915,233	610,120	-0.4	9.0	Junction
BP_DMH000760	915,099	610,110	-1.9	9.2	Junction
BP_DMH000761	915,112	610,116	-1.8	9.2	Junction
BP_DMH000762	914,904	610,093	-2.1	9.5	Junction
BP_DMH000763	914,798	610,090	-2.2	9.5	Junction
BP_DMH000764	914,757	609,889	-2.3	8.9	Junction
BP_DMH000765	914,771	610,009	-2.3	8.6	Junction
BP_DMH000766	915,083	610,108	-2.0	9.2	Junction
BP_DMH001943	916,582	605,202	2.2	8.6	Junction
BP_DMH001948	916,574	605,725	-5.0	8.9	Storage
BP_DMH001951	916,546	606,301	2.4	9.0	Junction
BP_DMH001952	916,541	606,394	2.4	9.3	Junction
BP_DMH001953	916,530	606,593	2.7	9.6	Junction
BP_DMH001955	916,564	606,641	0.4	10.5	Junction
BP_DMH001959	916,556	606,855	0.4	9.4	Junction
BP_DMH001960	916,520	606,853	2.9	8.6	Junction
BP_DMH001962	916,542	607,047	0.3	8.6	Junction
BP_DMH001963	916,511	607,081	-5.0	7.9	Storage
BP_DMH001966	916,523	607,363	-1.5	9.1	Junction
BP_DMH001970	916,520	607,480	-1.5	9.1	Junction
BP_DMH001975	916,482	607,781	-5.0	7.8	Storage
BP_DMH001988	916,412	609,559	-1.5	8.5	Junction
BP_DMH001990	916,407	609,699	-1.4	8.1	Junction
BP_DMH001992	916,403	609,811	-1.4	7.9	Junction
BP_DMH001994	916,395	610,039	-1.5	9.2	Junction
BP_DMH001996	916,393	610,110	-1.6	9.5	Junction
BP_DMH001997	916,169	610,107	-1.6	8.2	Junction
BP_DMH001998	916,050	610,103	-1.7	8.2	Junction
BP_DMH001999	916,057	609,807	-1.8	9.1	Junction
BP_DMH002000	915,994	609,722	-1.9	8.9	Junction
BP_DMH002001	915,962	609,720	-1.9	8.5	Junction
BP_DMH002002	915,808	609,726	-2.4	8.3	Junction
BP_DMH002003	915,988	609,739	-2.4	9.0	Junction
BP_DMH002004	916,049	609,815	-2.5	9.0	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
BP_DMH002005	916,040	610,138	-2.5	9.0	Junction
BP_DMH002006	916,369	610,145	-0.1	9.5	Junction
BP_DO000097	914,109	609,275	-5.0	2.2	Storage
BP_DO000100	913,526	607,842	-5.0	2.3	Storage
BP_DO000116	914,577	609,487	-5.0	1.5	Storage
BP_DO000123	913,884	608,451	1.2	2.0	Junction
BP_DO000865	915,963	609,693	-5.0	8.3	Storage
BP_DO000866	915,812	609,611	-2.3	8.1	Junction
BP_DS002295	916,170	610,086	-1.0	7.7	Junction
BP_DS002308	915,303	607,459	-5.0	7.4	Storage
BP_DS002310	914,917	607,413	-5.0	7.4	Storage
BP_DS002336	914,693	605,861	-5.0	8.1	Storage
BP_DS002374	914,668	609,960	-1.4	8.7	Junction
BP_DS002377	914,663	609,887	-5.0	7.5	Storage
BP_DS002378	914,792	609,852	-5.0	6.2	Storage
BP_DS002379	914,744	609,970	-1.0	8.7	Junction
BP_DS002380	914,722	609,969	-1.1	9.1	Junction
BP_DS002427	916,505	606,128	-5.0	8.0	Storage
BP_DS004272	915,826	607,414	-5.0	7.2	Storage
BP_DS004276	912,649	605,248	-5.0	6.6	Storage
BP_DS006993	914,148	609,207	-5.0	4.1	Storage
BP_DS006997	914,484	610,028	3.0	7.4	Junction
BP_DS007009	915,414	604,824	-5.0	8.7	Storage
BP_DS007011	915,937	604,837	-5.0	8.9	Storage
BP_DS007020	913,068	604,815	-5.0	6.9	Storage
BP_DS007032	915,489	610,066	-5.0	7.2	Storage
BP_DS007033	914,891	610,049	-1.0	8.4	Junction
BP_DS007049	913,986	604,856	-5.0	8.4	Storage
BP_DS007061	912,357	604,765	0.0	8.3	Junction
BP_DS007065	913,608	604,820	1.0	7.6	Junction
BP_DS008162	916,250	606,882	-5.0	8.4	Storage
BP_DS009589	916,569	605,202	-5.0	8.1	Storage
BP_DS009600	916,534	606,301	-5.0	8.8	Storage
BP_DS009605	916,509	606,853	3.0	8.4	Junction
BP_DS009622	916,452	608,225	5.0	9.1	Junction
BP_DS009624	916,444	608,428	5.0	9.0	Junction
BP_DS009625	916,432	608,712	-1.0	8.0	Junction
BP_DS009626	916,422	608,979	4.5	7.3	Junction
BP_DS009627	916,396	608,983	-5.0	8.0	Storage
BP_DS009635	916,392	609,809	-5.0	7.5	Storage
BP_FDG000022	914,674	609,942	-1.5	8.7	Junction
CH_AGE999686	909,450	621,250	-1.0	2.0	Junction
CH_AGE999689	909,933	621,386	4.4	4.4	Junction
CH_AGE999868	910,521	621,543	-5.0	4.4	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
CH_AGE999869	909,934	621,487	-5.0	2.1	Storage
CH_AGE999870	909,632	621,289	-5.0	4.3	Storage
CH_AGE999871	909,236	621,293	-5.0	4.5	Storage
CH_AGE999872	908,903	621,887	-5.0	4.5	Storage
CH_AGE999873	909,403	622,498	-5.0	4.4	Storage
CH_AGE999874	908,775	622,768	-5.0	2.5	Storage
CH_DMH000007	910,695	620,932	-2.9	5.0	Junction
CH_DMH000008	910,387	620,606	-3.2	5.0	Junction
CH_DMH000126	910,047	620,591	-5.0	4.3	Storage
CH_DMH000608	910,673	621,742	-2.0	5.0	Junction
CH_DMH000609	910,683	621,491	-2.5	5.0	Junction
CH_DMH000613	910,665	622,141	-1.0	4.9	Junction
CH_DMH000614	910,669	621,934	-3.0	5.1	Junction
CH_DMH000632	910,688	621,250	-2.9	4.9	Junction
CH_DS001529	909,390	620,565	-3.2	5.3	Junction
CH_DS001530	909,338	620,563	-3.3	5.2	Junction
CH_DS001531	909,254	620,559	-5.0	5.1	Storage
CH_DS001533	909,766	620,581	-5.0	4.9	Storage
CH_DS001534	909,595	620,575	-3.8	5.3	Junction
CH_DS002004	910,056	621,107	-5.0	4.0	Storage
CH_DS002009	910,696	620,620	-3.0	4.2	Junction
CH_DS002617	910,685	621,366	-5.0	4.9	Storage
CH_DS004791	910,648	622,767	0.5	5.4	Junction
CH_DS004792	910,654	622,467	-5.0	4.9	Storage
CH_DS007029	909,375	620,663	-5.0	1.9	Junction
CH_DS007029b	909,378	620,648	-5.0	1.9	Junction
DS009295	908,092	617,833	-7.4	6.0	Junction
DW_AGE999672	909,013	619,666	-2.5	0.2	Junction
DW_AGE999673	909,041	618,602	-1.9	0.4	Junction
DW_AGE999674	908,628	618,583	-2.3	0.3	Junction
DW_AGE999675	908,069	618,902	-4.0	0.2	Junction
DW_AGE999687	912,056	620,672	-5.0	5.0	Storage
DW_AGE999690	914,386	616,860	0.5	2.1	Junction
DW_AGE999691	914,384	617,082	-0.5	2.0	Junction
DW_AGE999696	913,609	615,772	-5.0	6.2	Storage
DW_AGE999697	907,923	619,541	-5.0	2.0	Storage
DW_AGE999769	914,260	618,365	-5.0	4.9	Storage
DW_AGE999785	914,359	616,261	4.5	4.3	Junction
DW_AGE999853	912,012	615,928	-5.0	4.7	Storage
DW_AGE999854	910,422	617,031	-5.0	4.2	Storage
DW_AGE999855	914,297	617,071	-5.0	4.3	Storage
DW_AGE999856	912,225	615,515	-5.0	6.0	Storage
DW_AGE999857	913,157	615,794	-5.0	7.3	Storage
DW_AGE999858	914,095	615,817	-5.0	7.3	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_AGE999859	914,307	616,817	-5.0	3.8	Storage
DW_AGE999860	914,296	617,611	-5.0	4.8	Storage
DW_AGE999861	914,202	618,623	-5.0	4.3	Storage
DW_AGE999863	914,050	618,877	-5.0	4.5	Storage
DW_AGE999864	909,322	618,742	-5.0	5.8	Storage
DW_AGE999865	909,156	619,846	-5.0	2.2	Storage
DW_AGE999867	913,023	621,155	-5.0	5.4	Storage
DW_AGE999875	908,737	620,873	-5.0	3.1	Storage
DW_AGE999876	908,076	621,550	-5.0	4.7	Storage
DW_AGE999877	908,047	621,143	-5.0	4.5	Storage
DW_AGE999878	907,845	621,668	-5.0	3.1	Storage
DW_AGE999879	907,398	621,088	-5.0	3.7	Storage
DW_AGE999880	906,437	620,252	-5.0	4.2	Storage
DW_AGE999881	908,871	620,169	-5.0	0.0	Storage
DW_AGE999882	908,918	619,171	-5.0	6.3	Storage
DW_AGE999883	907,304	618,115	-5.0	4.3	Storage
DW_AGE999884	907,195	618,481	-5.0	2.7	Storage
DW_AGE999885	906,638	619,975	-5.0	1.4	Storage
DW_AGE999886	905,453	619,259	-5.0	4.2	Storage
DW_AGE999887	905,755	619,764	-5.0	3.1	Storage
DW_AGE999888	905,731	619,824	-5.0	4.4	Storage
DW_AGE999889	905,700	619,881	-5.0	3.2	Storage
DW_AGE999890	905,884	618,587	-5.0	4.2	Storage
DW_AGE999891	905,108	619,130	-5.0	4.3	Storage
DW_AGE999892	904,042	619,005	-5.0	4.5	Storage
DW_AGE999893	904,346	619,224	-5.0	4.1	Storage
DW_AGE999894	904,176	618,786	-5.0	4.6	Storage
DW_AGE999895	904,173	618,494	-5.0	4.8	Storage
DW_AGE999896	903,648	617,960	-5.0	4.8	Storage
DW_AGE999897	903,260	617,849	-5.0	4.5	Storage
DW_AGE999898	903,131	618,300	-5.0	4.1	Storage
DW_DMH000001	911,355	620,641	-2.5	4.8	Junction
DW_DMH000002	911,927	620,619	-1.2	4.8	Junction
DW_DMH000003	911,880	620,631	-1.3	4.8	Junction
DW_DMH000005	910,765	620,623	-2.9	4.2	Junction
DW_DMH000011	910,072	619,581	-0.2	5.0	Junction
DW_DMH000012	909,875	617,899	-6.1	6.5	Junction
DW_DMH000014	908,745	617,871	-6.9	5.9	Junction
DW_DMH000023	909,102	618,459	-1.5	4.3	Junction
DW_DMH000025	909,103	618,391	-1.5	4.8	Junction
DW_DMH000029	911,946	617,989	-4.3	6.0	Junction
DW_DMH000032	911,723	617,986	-3.9	6.6	Junction
DW_DMH000033	909,107	618,140	-1.7	4.2	Junction
DW_DMH000034	911,473	617,982	-4.0	7.1	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DMH000038	909,598	617,889	-6.3	7.0	Junction
DW_DMH000039	914,147	618,115	-1.0	18.4	Junction
DW_DMH000040	909,295	617,886	-6.5	7.1	Junction
DW_DMH000041	909,105	618,217	-1.6	5.2	Junction
DW_DMH000042	909,109	618,032	-1.9	5.4	Junction
DW_DMH000043	909,127	617,875	-6.6	6.2	Junction
DW_DMH000048	908,500	617,850	-7.1	5.0	Junction
DW_DMH000049	911,488	617,575	-1.7	6.5	Junction
DW_DMH000050	910,380	617,920	-5.8	6.8	Junction
DW_DMH000052	905,545	617,794	-0.5	4.1	Junction
DW_DMH000054	911,732	616,936	-5.0	3.6	Storage
DW_DMH000061	909,255	615,894	-2.5	6.1	Junction
DW_DMH000066	909,217	615,559	0.0	4.9	Junction
DW_DMH000067	913,536	615,866	2.0	6.1	Junction
DW_DMH000082	912,086	615,466	1.5	7.7	Junction
DW_DMH000084	914,474	615,503	2.4	8.0	Junction
DW_DMH000098	908,257	615,477	-5.0	5.5	Storage
DW_DMH000121	911,406	620,606	-5.0	4.3	Storage
DW_DMH000122	910,055	620,340	-1.0	4.4	Junction
DW_DMH000123	910,061	620,086	-0.9	4.2	Junction
DW_DMH000124	911,397	620,656	-1.7	4.7	Junction
DW_DMH000125	911,050	620,629	-5.0	4.4	Storage
DW_DMH000601	911,651	621,971	-1.2	5.1	Junction
DW_DMH000602	911,363	621,963	-5.0	4.0	Storage
DW_DMH000603	911,311	621,961	-2.8	4.6	Junction
DW_DMH000604	911,846	621,981	-1.0	3.8	Junction
DW_DMH000605	911,031	621,950	-2.9	4.5	Junction
DW_DMH000606	910,720	621,936	-3.1	5.1	Junction
DW_DMH000646	910,051	619,815	0.0	5.6	Junction
DW_DMH000672	910,812	617,942	-5.8	6.2	Junction
DW_DMH000674	909,402	615,578	0.6	5.0	Junction
DW_DMH000675	909,581	615,582	0.5	5.0	Junction
DW_DMH000686	910,534	615,642	0.1	4.4	Junction
DW_DMH001615	907,536	620,503	1.2	4.6	Junction
DW_DMH001616	907,588	619,863	0.2	4.3	Junction
DW_DMH001751	913,424	617,794	-2.1	4.2	Junction
DW_DMH001752	913,440	617,794	-0.6	4.6	Junction
DW_DMH001753	913,444	617,700	0.2	4.4	Junction
DW_DMH001754	913,455	617,435	-5.0	4.3	Storage
DW_DMH001755	913,470	617,062	-0.9	4.7	Junction
DW_DMH001756	913,478	616,880	-5.0	4.5	Storage
DW_DMH001757	913,490	616,537	0.7	4.9	Junction
DW_DMH001758	913,493	616,462	0.4	4.8	Junction
DW_DMH001759	913,500	616,273	0.4	4.8	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DMH001760	913,509	615,997	0.5	5.1	Junction
DW_DMH001875	907,438	617,892	-3.6	6.1	Junction
DW_DMH001879	910,773	617,941	-5.8	6.3	Junction
DW_DO000041	914,289	619,151	-5.0	2.0	Storage
DW_DO000042	907,704	618,942	-5.0	0.4	Storage
DW_DO000043	907,705	618,887	-4.4	0.2	Junction
DW_DO000044	907,417	618,520	-5.0	0.2	Storage
DW_DO000046	908,204	618,564	-5.0	0.2	Junction
DW_DO000048	907,423	618,166	-3.5	4.7	Junction
DW_DO000051	914,333	618,253	-1.6	4.2	Junction
DW_DO000054	914,346	618,075	-5.0	3.3	Junction
DW_DO000057	907,419	618,466	-5.0	0.1	Storage
DW_DO000066	914,372	617,324	-1.0	2.1	Junction
DW_DO000069	914,402	616,531	-1.5	2.1	Junction
DW_DO000071	914,423	616,007	-1.0	2.9	Junction
DW_DO000072	914,467	615,521	2.1	5.5	Junction
DW_DO000110	909,078	619,966	-3.4	0.3	Junction
DW_DO000111	909,351	620,215	-1.5	0.9	Junction
DW_DO000112	909,353	619,997	-2.5	0.4	Junction
DW_DO000113	909,342	620,506	-4.0	0.9	Junction
DW_DO000777	907,412	618,685	-3.5	0.2	Junction
DW_DS000018	910,019	619,815	0.5	4.8	Junction
DW_DS000090	909,811	615,385	0.6	5.2	Junction
DW_DS000100	910,196	615,440	-5.0	4.1	Storage
DW_DS000109	910,723	615,712	0.0	4.8	Junction
DW_DS000122	909,257	615,910	0.5	6.0	Junction
DW_DS000126	910,836	615,789	-0.5	3.9	Junction
DW_DS000130	910,766	615,426	0.8	4.3	Junction
DW_DS000275	909,461	620,217	2.5	5.2	Junction
DW_DS001279	911,925	620,685	-0.1	4.1	Junction
DW_DS001283	910,083	620,341	-0.5	4.4	Junction
DW_DS001284	910,740	620,572	-5.0	4.1	Storage
DW_DS001288	909,544	618,463	-5.0	4.0	Storage
DW_DS001289	910,089	620,089	-5.0	4.5	Storage
DW_DS001290	911,933	620,430	-5.0	4.9	Storage
DW_DS001292	910,097	619,819	-5.0	4.8	Storage
DW_DS001293	910,068	619,800	-0.4	4.5	Junction
DW_DS001295	910,802	618,212	0.9	5.6	Junction
DW_DS001297	911,950	618,303	0.9	5.4	Junction
DW_DS001298	904,247	617,966	4.7	5.0	Junction
DW_DS001299	911,461	618,294	0.8	5.1	Junction
DW_DS001305	911,952	618,258	0.9	5.6	Junction
DW_DS001306	911,461	618,236	-5.0	5.1	Storage
DW_DS001308	904,835	618,238	-5.0	3.9	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DS001309	910,103	619,560	-5.0	5.0	Storage
DW_DS001313	907,080	619,161	0.0	3.7	Junction
DW_DS001315	907,585	619,353	-5.0	4.1	Storage
DW_DS001317	907,558	619,388	-0.8	3.7	Junction
DW_DS001319	907,338	619,183	-5.0	3.8	Storage
DW_DS001320	907,303	619,170	-1.0	3.7	Junction
DW_DS001322	909,156	618,445	-5.0	4.4	Storage
DW_DS001326	912,241	617,991	-5.0	4.0	Storage
DW_DS001327	904,843	617,979	-5.0	4.1	Storage
DW_DS001328	909,134	618,400	-1.0	4.3	Junction
DW_DS001330	910,800	618,264	0.8	5.7	Junction
DW_DS001334	911,952	618,064	-5.0	4.9	Storage
DW_DS001335	911,946	618,514	-5.0	5.1	Storage
DW_DS001336	909,142	618,137	-5.0	4.1	Storage
DW_DS001340	912,000	618,066	1.0	4.8	Junction
DW_DS001341	911,456	618,492	1.0	5.5	Junction
DW_DS001342	910,809	618,035	0.4	5.6	Junction
DW_DS001343	910,773	618,034	0.5	5.6	Junction
DW_DS001344	910,675	617,992	1.5	5.3	Junction
DW_DS001345	911,454	618,550	1.1	5.7	Junction
DW_DS001347	909,158	618,188	-0.7	4.3	Junction
DW_DS001349	906,152	618,042	-5.0	3.8	Storage
DW_DS001350	910,796	618,459	-5.0	5.7	Storage
DW_DS001352	905,539	618,021	-5.0	4.0	Storage
DW_DS001353	910,832	617,414	-2.2	5.3	Junction
DW_DS001354	910,813	617,895	-5.0	5.6	Storage
DW_DS001355	910,152	617,847	0.0	6.4	Junction
DW_DS001357	910,168	617,440	-5.0	5.1	Storage
DW_DS001358	910,830	617,465	-2.2	5.3	Junction
DW_DS001359	909,160	617,653	0.5	4.6	Junction
DW_DS001362	910,842	617,145	-5.0	5.4	Storage
DW_DS001363	908,642	615,792	0.1	5.2	Junction
DW_DS001364	910,840	617,211	-2.1	5.5	Junction
DW_DS001365	908,236	616,823	-5.0	4.8	Storage
DW_DS001367	910,852	616,883	-0.8	5.3	Junction
DW_DS001368	910,848	616,949	-0.8	5.4	Junction
DW_DS001371	910,862	616,624	-0.5	4.9	Junction
DW_DS001373	910,870	616,426	-5.0	4.5	Storage
DW_DS001375	910,859	616,690	-5.0	4.9	Storage
DW_DS001379	909,208	616,349	-5.0	4.4	Storage
DW_DS001380	909,230	616,043	-5.0	4.5	Storage
DW_DS001382	910,881	616,163	-5.0	4.0	Storage
DW_DS001385	909,210	616,292	-1.5	4.5	Junction
DW_DS001387	910,872	616,360	0.0	4.8	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DS001393	909,218	616,097	-1.9	4.6	Junction
DW_DS001395	909,168	615,777	-0.5	5.9	Junction
DW_DS001398	909,179	615,815	-3.0	5.1	Junction
DW_DS001400	912,050	615,642	1.7	5.6	Junction
DW_DS001403	914,380	616,006	-5.0	4.4	Storage
DW_DS001405	912,087	615,646	1.6	5.6	Junction
DW_DS001406	910,954	615,375	2.1	5.4	Junction
DW_DS001433	909,005	615,292	0.5	5.6	Junction
DW_DS001515	909,256	620,526	0.0	5.3	Junction
DW_DS001516	909,081	619,901	-1.0	5.2	Junction
DW_DS001518	911,386	621,118	-5.0	4.2	Storage
DW_DS001521	911,390	620,926	-1.0	4.4	Junction
DW_DS001525	911,923	620,864	-5.0	4.2	Storage
DW_DS001526	911,393	620,851	-1.1	4.9	Junction
DW_DS002014	911,404	620,387	-5.0	4.8	Storage
DW_DS002016	910,139	618,979	-5.0	6.0	Storage
DW_DS002018	913,501	618,122	-5.0	4.2	Storage
DW_DS002028	911,414	620,064	-5.0	5.6	Storage
DW_DS002031	914,246	619,150	-5.0	4.2	Storage
DW_DS002032	908,138	618,893	-2.8	3.8	Junction
DW_DS002045	908,145	618,556	-5.0	4.0	Storage
DW_DS002052	908,109	618,097	0.1	4.7	Junction
DW_DS002053	908,177	618,408	-5.0	4.0	Junction
DW_DS002061	908,182	618,115	-5.0	4.3	Storage
DW_DS002064	904,862	618,650	-5.0	4.3	Storage
DW_DS002065	904,829	618,648	-5.0	5.0	Storage
DW_DS002067	908,109	618,493	-1.0	4.2	Junction
DW_DS002068	908,110	618,423	-0.5	4.4	Junction
DW_DS002076	909,633	617,847	-5.0	4.7	Storage
DW_DS002081	913,503	618,038	1.4	4.2	Junction
DW_DS002082	910,384	617,877	-5.0	4.4	Storage
DW_DS002085	908,500	617,805	-5.0	2.9	Storage
DW_DS002089	914,326	617,314	-5.0	4.4	Storage
DW_DS002090	909,191	616,815	-1.7	4.2	Junction
DW_DS002091	909,171	617,341	-1.0	4.2	Junction
DW_DS002102	914,366	616,530	-5.0	4.1	Storage
DW_DS002103	908,255	616,041	-5.0	4.5	Storage
DW_DS002115	914,262	615,497	-5.0	7.2	Storage
DW_DS002119	909,969	615,333	1.5	4.8	Junction
DW_DS002128	913,763	615,482	2.2	7.7	Junction
DW_DS002132	913,550	615,867	2.1	5.8	Junction
DW_DS002133	913,494	615,864	-5.0	5.9	Storage
DW_DS002152	909,494	615,312	1.0	5.2	Junction
DW_DS002346	911,648	620,621	-1.4	5.1	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DS002347	909,411	620,215	-1.0	4.7	Junction
DW_DS002348	909,417	619,993	-1.0	4.6	Junction
DW_DS002349	909,470	619,994	-5.0	4.7	Storage
DW_DS002354	911,407	620,333	0.0	4.5	Junction
DW_DS002515	912,894	622,488	-5.0	4.1	Storage
DW_DS002521	912,626	622,008	-5.0	4.0	Storage
DW_DS002524	911,031	621,911	-5.0	4.4	Storage
DW_DS002543	911,347	622,439	-5.0	4.3	Storage
DW_DS002544	911,851	622,255	-5.0	4.4	Storage
DW_DS002545	911,355	622,234	-1.0	4.2	Junction
DW_DS002549	911,881	622,210	-0.2	4.3	Junction
DW_DS002551	912,119	622,213	-5.0	4.2	Storage
DW_DS002553	911,857	622,187	-0.3	3.6	Junction
DW_DS002554	911,356	622,173	-1.1	4.2	Junction
DW_DS002555	911,892	622,003	-0.4	4.0	Junction
DW_DS002559	911,856	621,938	-5.0	3.7	Storage
DW_DS002560	911,364	621,916	-1.4	4.2	Junction
DW_DS002562	911,870	621,733	-0.2	4.0	Junction
DW_DS002563	911,370	621,710	-1.0	4.7	Junction
DW_DS002568	912,757	621,483	-5.0	4.1	Storage
DW_DS002569	912,439	621,473	-5.0	4.6	Storage
DW_DS002571	912,126	622,953	-5.0	4.4	Storage
DW_DS002650	911,674	622,872	-5.0	3.1	Storage
DW_DS002654	912,682	621,188	-5.0	3.6	Storage
DW_DS004172	911,722	617,931	-1.0	4.0	Junction
DW_DS004173	911,471	618,043	0.2	6.0	Junction
DW_DS004175	911,196	617,907	-5.0	4.3	Storage
DW_DS004176	911,198	617,973	-4.0	7.1	Junction
DW_DS004177	910,891	618,001	-5.0	5.2	Storage
DW_DS004180	911,475	617,912	-2.0	6.0	Junction
DW_DS004181	909,188	616,877	-1.8	4.9	Junction
DW_DS004183	911,507	617,229	-1.5	6.1	Junction
DW_DS004184	911,474	617,259	-1.4	6.7	Junction
DW_DS004185	908,634	616,838	-2.5	5.0	Junction
DW_DS004187	911,492	616,648	-0.4	4.0	Junction
DW_DS004188	909,127	616,861	-5.0	4.4	Storage
DW_DS004189	911,991	616,946	-0.2	3.5	Junction
DW_DS004190	911,516	616,927	-3.8	4.2	Junction
DW_DS004191	911,482	616,915	-5.0	4.0	Storage
DW_DS004193	909,183	617,080	-1.5	4.1	Junction
DW_DS004196	911,481	616,969	-1.2	4.4	Junction
DW_DS004197	909,179	617,137	-5.0	4.3	Storage
DW_DS004200	912,010	616,456	-5.0	4.4	Storage
DW_DS004205	911,535	616,438	0.0	4.4	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DS004206	911,500	616,442	-5.0	4.4	Storage
DW_DS004208	911,489	616,709	-5.0	3.9	Storage
DW_DS004210	909,199	616,620	-5.0	4.4	Storage
DW_DS004214	912,029	616,210	-5.0	4.2	Storage
DW_DS004215	912,021	616,407	0.6	4.6	Junction
DW_DS004216	912,058	616,193	-5.0	4.2	Storage
DW_DS004218	913,063	615,455	-5.0	7.3	Storage
DW_DS004281	908,054	619,853	-5.0	3.7	Storage
DW_DS004784	910,697	622,142	-5.0	4.5	Storage
DW_DS004786	910,680	622,767	-5.0	5.1	Storage
DW_DS006938	906,793	617,838	2.5	4.2	Junction
DW_DS006940	909,871	617,961	0.5	5.7	Junction
DW_DS006944	907,797	617,877	-5.0	4.2	Storage
DW_DS006946	907,599	617,881	2.8	4.9	Junction
DW_DS006948	903,156	617,727	3.2	5.1	Junction
DW_DS006949	906,159	617,824	2.3	4.0	Junction
DW_DS006951	906,249	617,817	2.3	4.0	Junction
DW_DS006953	906,941	617,855	-5.0	3.4	Storage
DW_DS006954	907,228	617,866	2.7	4.1	Junction
DW_DS006958	911,955	617,939	-1.0	4.9	Junction
DW_DS006961	903,403	617,709	-5.0	4.0	Storage
DW_DS006962	911,692	618,034	-1.0	5.3	Junction
DW_DS006964	913,838	618,069	0.0	5.2	Junction
DW_DS006966	909,256	617,935	0.5	5.4	Junction
DW_DS006967	913,377	618,032	-5.0	4.0	Storage
DW_DS006970	912,798	618,024	-2.5	3.8	Junction
DW_DS006971	908,497	617,906	-5.0	3.9	Storage
DW_DS006974	905,659	617,805	2.2	3.5	Junction
DW_DS006977	905,477	617,785	0.0	4.3	Junction
DW_DS006978	904,916	617,764	0.5	4.4	Junction
DW_DS006980	904,847	617,782	-1.0	3.9	Junction
DW_DS006982	904,700	617,767	-5.0	3.7	Storage
DW_DS006983	904,435	617,745	2.0	4.4	Junction
DW_DS006984	904,060	617,730	2.0	4.6	Junction
DW_DS006986	903,651	617,719	0.5	4.3	Junction
DW_DS007028	908,109	620,445	-5.0	4.2	Storage
DW_DS007721	907,447	619,354	-0.5	4.4	Junction
DW_DS007723	907,335	619,346	0.0	4.1	Junction
DW_DS007725	907,565	619,516	-0.5	4.4	Junction
DW_DS007726	907,594	619,518	-0.4	4.3	Junction
DW_DS007727	907,589	619,669	-0.2	4.7	Junction
DW_DS007728	907,585	619,780	0.0	4.2	Junction
DW_DS007729	907,588	619,851	0.1	3.7	Junction
DW_DS007730	907,818	619,864	-5.0	3.7	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DS007731	907,855	619,865	0.5	3.8	Junction
DW_DS007774	911,293	622,855	-5.0	4.9	Storage
DW_DS007837	912,083	617,902	-5.0	2.3	Storage
DW_DS007838	912,032	617,904	0.3	3.2	Junction
DW_DS007840	911,931	617,901	-5.0	2.4	Storage
DW_DS008127	906,160	619,249	-5.0	4.6	Storage
DW_DS008228	912,340	615,973	-5.0	4.5	Storage
DW_DS008229	912,331	616,156	0.8	4.4	Junction
DW_DS008230	912,307	616,156	1.0	4.4	Junction
DW_DS008231	912,322	616,415	0.5	4.4	Junction
DW_DS008232	912,297	616,415	1.0	4.4	Junction
DW_DS008233	912,321	616,490	-5.0	4.4	Storage
DW_DS008234	912,315	616,686	-5.0	4.1	Storage
DW_DS008235	912,286	616,686	-1.0	4.2	Junction
DW_DS008236	912,303	616,942	-5.0	4.3	Storage
DW_DS008238	912,293	617,212	-1.2	4.2	Junction
DW_DS008239	912,292	617,270	-5.0	4.2	Storage
DW_DS008241	912,282	617,532	-1.4	4.3	Junction
DW_DS008243	912,272	617,737	-1.4	4.3	Junction
DW_DS008244	912,243	617,779	-5.0	4.4	Storage
DW_DS008382	906,855	618,663	-1.0	4.3	Junction
DW_DS008384	907,228	618,679	-1.5	4.3	Junction
DW_DS008385	907,229	618,646	-1.0	4.4	Junction
DW_DS008386	907,374	618,683	-1.8	5.8	Junction
DW_DS008662	907,518	620,540	-5.0	2.4	Storage
DW_DS008665	907,541	620,439	-5.0	4.5	Storage
DW_DS008666	907,543	620,364	1.0	4.5	Junction
DW_DS008667	907,572	620,365	0.9	4.4	Junction
DW_DS008668	907,576	620,224	0.8	4.5	Junction
DW_DS008670	907,580	620,056	0.7	4.2	Junction
DW_DS008671	907,549	620,055	0.6	4.6	Junction
DW_DS008672	907,552	619,975	0.5	3.7	Junction
DW_DS008673	907,583	619,964	-5.0	3.6	Storage
DW_DS008678	906,850	620,451	0.0	2.1	Storage
DW_DS008679	906,912	620,449	1.7	4.0	Junction
DW_DS008680	906,933	620,473	-5.0	4.1	Storage
DW_DS008681	907,233	620,486	1.5	4.2	Junction
DW_DS008682	907,351	620,495	-5.0	5.3	Storage
DW_DS008683	907,506	620,497	1.3	3.9	Junction
DW_DS008714	908,238	615,757	-3.5	5.2	Junction
DW_DS008715	909,219	615,758	-5.0	5.6	Storage
DW_DS008990	912,323	617,781	-0.9	4.1	Junction
DW_DS008991	912,325	617,751	-0.7	4.8	Junction
DW_DS008992	912,753	617,768	-0.6	4.3	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
DW_DS008994	913,065	617,780	-0.6	4.3	Junction
DW_DS008998	913,438	617,700	-5.0	4.1	Storage
DW_DS008999	913,467	617,702	-5.0	3.9	Storage
DW_DS009006	913,483	616,537	1.0	4.6	Junction
DW_DS009007	913,512	616,540	1.0	4.5	Junction
DW_DS009009	913,516	616,460	1.0	4.5	Junction
DW_DS009010	913,465	616,253	0.5	4.5	Junction
DW_DS009011	913,457	616,219	-5.0	4.4	Storage
DW_DS009012	913,529	616,274	-5.0	4.6	Storage
DW_DS009014	913,480	615,996	-5.0	4.7	Storage
DW_DS009246	910,696	615,364	2.1	4.9	Junction
DW_DS009251	911,323	615,580	-5.0	3.9	Storage
DW_DS009296	909,112	617,925	-2.0	6.1	Junction
DW_DS009297	910,078	617,907	-6.1	7.0	Junction
DW_FDG000005	914,342	618,132	-1.5	27.1	Junction
DW_FDG000007	909,153	617,876	-6.6	6.4	Junction
DW_FDG000008	910,150	617,909	-6.0	7.3	Junction
DW_FDG000159	907,806	619,845	0.3	4.3	Junction
DW_FDG000160	907,872	619,846	0.6	4.2	Junction
DW_FDG000165	912,178	617,834	-2.0	5.1	Junction
DW_FDG000243	910,675	617,937	-5.8	6.5	Junction
DW_FDG000244	910,891	617,947	-4.1	5.9	Junction
DW_NID10080	908,234	615,771	-3.5	5.3	Junction
DW_NID10095	909,412	620,216	-5.0	4.6	Storage
DW_NID10138	910,491	617,894	5.8	5.8	Junction
DW_NID10192	911,749	617,871	-5.0	3.4	Storage
HGW_AGE999698	917,672	611,687	-5.0	8.6	Storage
HGW_AGE999727	916,793	610,818	-5.0	7.8	Storage
HGW_AGE999728	917,137	610,828	-5.0	8.1	Storage
HGW_AGE999729	917,970	610,852	-5.0	8.4	Storage
HGW_AGE999730	917,770	611,188	-5.0	7.6	Storage
HGW_AGE999731	917,517	611,273	-5.0	7.2	Storage
HGW_AGE999732	917,460	611,385	-5.0	7.2	Storage
HGW_AGE999733	917,415	611,578	-5.0	7.9	Storage
HGW_AGE999734	918,314	611,307	-5.0	7.8	Storage
HGW_AGE999735	918,311	611,672	-5.0	7.7	Storage
HGW_AGE999736	916,757	611,258	-5.0	7.9	Storage
HGW_AGE999737	916,684	611,568	-5.0	8.4	Storage
HGW_AGE999738	918,354	612,165	-5.0	8.3	Storage
HGW_AGE999739	918,187	612,169	-5.0	8.3	Storage
HGW_AGE999740	917,597	612,419	-5.0	9.0	Storage
HGW_AGE999741	916,725	612,075	-5.0	8.6	Storage
HGW_AGE999744	916,604	613,280	-5.0	8.8	Storage
HGW_AGE999745	917,399	613,325	-5.0	7.8	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HGW_AGE999746	918,069	613,457	-5.0	8.9	Storage
HGW_AGE999748	916,736	613,714	-5.0	8.7	Storage
HGW_AGE999749	916,757	614,144	-5.0	7.6	Storage
HGW_AGE999750	916,738	614,321	-5.0	8.0	Storage
HGW_DMH001916	918,709	610,208	2.0	9.3	Junction
HGW_DMH001917	918,521	610,202	2.0	9.5	Junction
HGW_DMH001918	918,433	610,201	2.0	9.5	Junction
HGW_DMH001919	918,356	610,198	2.0	10.0	Junction
HGW_DMH001920	918,216	610,194	2.0	10.0	Junction
HGW_DMH001921	918,072	610,191	2.0	10.0	Junction
HGW_DMH001922	917,818	610,181	2.0	10.3	Junction
HGW_DMH002008	916,833	610,210	2.0	8.5	Junction
HGW_DMH002009	916,470	610,199	1.4	9.5	Junction
HGW_DMH002010	916,436	610,254	0.5	9.7	Junction
HGW_DMH002013	916,431	610,364	1.7	9.5	Junction
HGW_DMH002015	916,417	610,710	2.4	10.2	Junction
HGW_DMH002016	916,410	610,878	2.6	10.0	Junction
HGW_DMH002032	916,805	612,912	4.0	9.1	Junction
HGW_DMH002033	916,944	612,917	3.8	8.9	Junction
HGW_DMH002034	916,991	612,921	3.7	8.8	Junction
HGW_DMH002035	916,992	612,905	3.6	8.6	Junction
HGW_DMH002036	917,124	612,911	3.4	8.6	Junction
HGW_DMH002037	917,373	612,918	3.2	9.2	Junction
HGW_DMH002038	917,655	612,929	-5.0	8.8	Storage
HGW_DMH002042	918,319	612,952	0.0	9.6	Junction
HGW_DMH002118	916,357	612,932	3.8	10.5	Junction
HGW_DMH002119	916,363	612,876	3.7	10.4	Junction
HGW_DMH002120	916,318	613,930	4.5	9.7	Junction
HGW_DMH002121	916,308	614,214	4.8	9.1	Junction
HGW_DO000867	916,545	610,405	1.5	5.0	Junction
HGW_DO000868	916,513	610,715	-5.0	3.8	Storage
HGW_DO000869	916,484	611,034	-5.0	3.1	Storage
HGW_DO000910	916,438	612,145	-5.0	3.9	Storage
HGW_DO000911	916,433	612,281	-5.0	3.5	Storage
HGW_DS002194	916,253	615,018	5.3	10.3	Junction
HGW_DS002245	916,378	612,677	4.5	9.4	Junction
HGW_DS002263	916,377	612,268	3.9	9.0	Junction
HGW_DS002264	916,382	612,154	-5.0	8.7	Storage
HGW_DS002265	916,367	612,574	-5.0	9.0	Storage
HGW_DS002272	916,408	611,720	5.0	8.7	Junction
HGW_DS002283	916,463	610,820	-5.0	8.4	Storage
HGW_DS002338	916,803	612,937	4.1	8.0	Junction
HGW_DS002404	916,617	610,202	-5.0	7.7	Storage
HGW_DS002724	918,599	612,945	-5.0	8.9	Storage

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
HGW_DS004949	918,304	613,307	-5.0	8.8	Storage
HGW_DS008758	916,573	615,168	-5.0	8.8	Storage
HGW_DS009462	918,353	610,247	-5.0	8.8	Storage
HGW_DS009467	917,831	610,233	2.1	9.0	Junction
HGW_DS009640	917,020	610,213	2.5	8.3	Junction
HGW_DS009641	916,483	610,397	2.6	8.4	Junction
HGW_DS009642	916,468	610,712	2.4	8.8	Junction
HGW_DS009646	916,450	611,032	2.5	8.1	Junction
HGW_DS009650	916,424	611,471	-5.0	8.1	Storage
HGW_DS009795	916,947	612,889	-5.0	8.4	Storage
HGW_DS009811	918,306	612,993	0.1	9.0	Junction
HGW_DS009812	918,308	612,926	0.1	9.2	Junction
HGW_DS009818	918,920	612,994	-5.0	8.5	Storage
HGW_DS010155	916,416	611,577	3.3	8.3	Junction
HGW_DS010174	916,373	612,764	3.5	9.4	Junction
HGW_DS010176	916,486	612,928	4.0	8.9	Junction
HGW_DS010179	916,351	613,166	-5.0	8.7	Storage
HGW_DS010181	916,346	613,269	4.1	9.2	Junction
HGW_DS010183	916,341	613,426	4.2	9.6	Junction
HGW_DS010184	916,329	613,741	4.4	9.0	Junction
HGW_DS010187	916,307	614,184	4.7	9.1	Junction
HGW_DS010188	916,299	614,350	4.9	8.5	Junction
HGW_DS010191	916,290	614,628	5.0	10.1	Junction
HGW_DS010193	916,276	615,018	5.2	9.8	Junction
HGW_DS010196	916,265	615,186	-5.0	9.1	Storage
LA_AGE999703	917,343	607,677	-5.0	4.8	Storage
LA_DMH000796	916,526	608,982	-5.0	7.1	Storage
LA_DMH000803	916,504	609,465	-1.2	8.8	Junction
LA_DMH001699	916,934	608,264	-5.0	8.4	Storage
LA_DMH001971	916,573	607,533	-0.1	9.0	Junction
LA_DMH001972	916,595	607,471	2.1	9.1	Junction
LA_DMH001973	916,562	607,766	-0.2	7.9	Junction
LA_DMH001976	916,553	607,991	-0.2	8.6	Junction
LA_DMH001977	916,543	608,229	-0.2	9.3	Junction
LA_DMH001978	916,535	608,442	-0.2	9.2	Junction
LA_DMH001979	916,503	608,227	2.0	10.2	Junction
LA_DMH001980	916,495	608,430	1.5	10.1	Junction
LA_DMH001981	916,520	608,723	-0.3	8.4	Junction
LA_DMH001982	916,483	608,714	-1.0	9.1	Junction
LA_DMH001983	916,515	608,982	-1.0	7.5	Junction
LA_DMH001984	916,476	608,980	0.6	8.3	Junction
LA_DMH001985	916,510	609,240	-1.1	8.4	Junction
LA_DMH001986	916,502	609,562	-1.5	8.6	Junction
LA_DMH001991	916,503	609,759	2.0	7.8	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
LA_DS000200	917,663	608,020	-5.0	5.4	Storage
LA_DS000290	916,533	609,467	-1.0	8.6	Junction
LA_DS002289	916,599	610,099	-5.0	7.8	Storage
LA_DS004923	918,709	610,157	-5.0	8.3	Storage
LA_DS009466	917,835	610,133	2.1	8.9	Junction
LA_DS009497	916,671	607,470	-5.0	8.5	Storage
LA_DS009617	916,584	607,534	2.0	8.8	Junction
LA_DS009619	916,574	607,766	-5.0	7.6	Storage
LA_DS009633	916,519	609,760	2.2	7.2	Junction
Name	X-Coordinate	Y-Coordinate	Invert Elev. (ft)	RIMELEV	Outfall
SBDD02	902,788	613,834	-5.0	-0.6	Storage
SBDD03	902,585	612,056	-5.0	0.0	Storage
SBDD04	903,058	608,405	-5.0	0.2	Storage
SBDD05	902,640	602,308	-5.0	3.1	Storage
SBDD06	903,383	598,459	-5.0	0.2	Storage
SBDD07	903,771	608,349	-5.0	5.2	Storage
SBDD08	903,234	608,408	-10.0	0.2	Junction
SBDD09	903,589	598,470	-10.0	0.3	Junction
SBDD10	903,208	609,582	-10.0	0.3	Junction
SBDD11	903,217	609,316	-10.0	0.3	Junction
SBDD12	903,221	609,221	-10.0	0.6	Junction
SBDD13	903,342	609,074	-10.0	0.8	Junction
SBDD14	903,298	607,014	-10.0	0.0	Junction
SBDD15	903,303	606,869	-10.0	0.1	Junction
SBDD16	903,382	604,630	-10.0	0.1	Junction
SBDD17	903,392	604,327	-10.0	0.1	Junction
SBDD18	903,551	599,791	-10.0	0.4	Junction
SBDD19	903,559	599,570	-10.0	4.5	Junction
SBDD20	904,009	609,631	-10.0	0.7	Junction
WP_AGE999700	917,853	605,322	-5.0	3.6	Storage
WP_AGE999701	918,116	607,067	-5.0	7.8	Storage
WP_DMH001944	916,682	605,206	2.0	8.6	Junction
WP_DMH001945	916,669	605,476	3.3	9.9	Junction
WP_DMH001947	916,659	605,728	3.0	8.9	Junction
WP_DMH001954	916,603	606,508	0.5	10.1	Junction
WP_DMH001956	916,657	606,616	2.6	9.2	Junction
WP_DMH001957	916,609	606,615	3.0	9.8	Junction
WP_DMH001958	916,605	606,722	2.8	9.3	Junction
WP_DMH001961	916,595	606,982	3.4	8.1	Junction
WP_DMH001964	916,591	607,088	-5.0	7.8	Storage
WP_DO000855	916,715	605,794	-5.0	4.5	Storage
WP_DO000857	916,706	606,056	-5.0	4.8	Storage
WP_DO000861	916,713	606,313	0.0	5.1	Storage
WP_DO000863	916,665	606,507	0.5	4.3	Junction

Table HW-2 Hydraulic Nodes Data

Name	Node X	Node Y	Invert Elevation (ft NAVD)	Ground (ft NAVD)	Type
WP_DO000864	916,666	606,573	-5.0	4.3	Storage
WP_DS000245	919,380	605,819	-5.0	9.2	Storage
WP_DS002314	916,918	606,348	-5.0	9.1	Storage
WP_DS003636	919,189	607,409	-5.0	8.5	Storage
WP_DS003639	918,701	605,577	-5.0	8.9	Storage
WP_DS003649	917,914	604,773	-5.0	8.0	Storage
WP_DS003656	917,920	605,700	-5.0	8.1	Storage
WP_DS004254	918,184	606,346	-5.0	8.8	Storage
WP_DS004267	916,935	604,855	-5.0	8.7	Storage
WP_DS009475	918,173	605,581	-5.0	9.0	Storage
WP_DS009477	916,746	605,609	-1.0	8.2	Junction
WP_DS009478	916,711	605,870	2.5	8.5	Junction
WP_DS009479	916,713	605,831	2.5	8.3	Junction
WP_DS009481	916,703	606,126	2.5	8.3	Junction
WP_DS009482	916,704	606,091	2.5	8.5	Junction
WP_DS009590	916,693	605,206	-5.0	8.2	Storage
WP_DS009594	916,667	605,729	2.8	8.8	Junction
WP_DS009596	916,655	605,925	4.8	9.2	Junction
WP_DS009597	916,709	606,389	2.5	8.4	Junction
WP_DS009598	916,711	606,348	2.5	8.1	Junction
WP_DS009599	916,636	606,305	2.5	8.7	Junction
WP_DS009604	916,615	606,722	3.5	8.9	Junction
WP_DS009657	917,262	607,339	-5.0	4.2	Storage

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_AGE999252	BC_AGE999252	SBDD10	Arch	DataGap	225	0.013	-5.00	-5.10	5.16	8.50	2	0.5	0.5
BC_AGE999252_3	SBDD14	SBDD15	Arch	DataGap	90	0.013	-8.10	-8.00	8.00	18.00	1	0.5	0.5
BC_AGE999260	BC_AGE999260	BC_AGE999259	Arch	DataGap	68	0.013	-7.00	-7.10	7.26	11.50	1	0.5	0.5
BC_AGE999262	BC_AGE999262	BC_AGE999261	Arch	DataGap	230	0.013	-6.40	-6.50	7.26	11.50	1	0.5	0.5
SBDD11	SBDD11	SBDD12	Arch	DataGap	62	0.013	-8.00	-8.10	8.00	18.00	1	0.5	0.5
441_DMH000064	441_DMH000064	441_DMH000079	Circular	Pipe	209	0.024	3.50	3.10	1.50		1	0.3	0.2
441_DMH000078	441_DMH000078	DW_DMH000084	Circular	Pipe	155	0.024	3.00	2.42	1.50		1	0.3	0.7
441_DMH000079	441_DMH000079	441_DMH000078	Circular	Pipe	43	0.024	3.10	3.00	1.50		1	0.3	0.2
441_DMH002011	441_DMH002011	441_DMH002012	Circular	Pipe	105	0.013	0.20	-0.06	4.00		1	0.3	0.2
441_DMH002012	441_DMH002012	BP_DMH002006	Circular	Pipe	28	0.013	-0.06	-0.10	4.00		1	0.3	0.7
441_DS002019	441_DS002019	441_DS002021	Circular	Pipe	209	0.013	-0.20	-0.50	1.50		1	0.3	0.2
441_DS002020	441_DS002020	441_DS002021	Circular	Pipe	36	0.013	-0.40	-0.50	1.25		1	0.3	0.7
441_DS002021	441_DS002021	441_DS006088	Circular	Pipe	178	0.013	-0.50	-0.80	2.00		1	0.3	0.2
441_DS002036	441_DS002036	441_DS002037	Circular	Pipe	29	0.013	-0.20	-0.30	1.25		1	0.5	0.2
441_DS002037	441_DS002037	441_DS002020	Circular	Pipe	67	0.013	-0.30	-0.40	1.25		1	0.3	0.2
441_DS002038	441_DS002038	441_DS002019	Circular	Pipe	110	0.013	0.00	-0.20	1.25		2	0.3	0.7
441_DS002063	441_DS002063	441_NID14163	Circular	Pipe	196	0.013	-1.10	-1.50	2.50		1	0.3	0.7
441_DS002126	441_DS002126	441_DMH000064	Circular	Pipe	28	0.024	3.60	3.50	1.00		1	0.3	0.7
441_DS002147	441_DS002147	441_DMH000064	Circular	Pipe	64	0.024	3.70	3.50	1.00		1	0.3	0.7
441_DS002365	441_DS002365	BP_DMH000761	Circular	Pipe	78	0.013	-1.00	-1.38	1.25		1	0.3	0.6
441_DS006088	441_DS006088	441_DS002063	Circular	Pipe	176	0.013	-0.80	-1.10	2.00		1	0.3	0.2
441_DS006995	441_DS006995	441_DS007037	Circular	Pipe	39	0.024	0.10	0.00	1.25		1	0.3	0.2
441_DS006996	441_DS006996	BP_DMH000110	Circular	Pipe	58	0.013	0.00	-0.98	1.25		2	0.3	0.7
441_DS006998	441_DS006998	BP_DMH001997	Circular	Pipe	84	0.013	-1.00	-1.58	1.50		1	0.3	0.7
441_DS007031	441_DS007031	BP_DMH000762	Circular	Pipe	63	0.013	-1.00	-2.08	1.25		1	0.3	0.7
441_DS009644	441_DS009644	441_DS009645	Circular	Pipe	118	0.011	4.60	4.50	1.50		1	0.3	0.7
441_DS009647	441_DS009647	441_DMH002017	Circular	Pipe	63	0.013	4.60	4.50	1.50		1	0.3	0.7
441_DS009649	441_DS009649	HGW_DS009650	Circular	Pipe	101	0.013	3.00	2.85	1.50		1	0.3	0.2
441_DS010180	441_DS010180	HGW_DS010181	Circular	Pipe	103	0.013	4.50	4.10	1.50		1	0.3	0.7
441_DS010185	441_DS010185	HGW_DMH002120	Circular	Pipe	99	0.013	5.00	4.50	1.50		1	0.3	0.7
441_DS010189	441_DS010189	HGW_DS010188	Circular	Pipe	105	0.013	5.00	4.90	1.50		2	0.3	0.7
441_DS010194	441_DS010194	HGW_DS002194	Circular	Pipe	86	0.013	5.40	5.30	1.50		1	0.3	0.2
441_DS010195	441_DS010195	441_DS010194	Circular	Pipe	148	0.013	5.50	5.40	1.50		1	0.3	0.7
BC_AGE999252_4	SBDD16	SBDD17	Circular	Pipe	185	0.013	-8.00	-8.10	7.00		2	0.5	0.5
BC_AGE999252_6	SBDD18	SBDD19	Circular	Pipe	210	0.013	-8.10	-8.00	8.00		3	0.5	0.5
BC_AGE999254	BC_AGE999254	BC_AGE999253	Circular	Pipe	70	0.013	-5.00	-5.10	7.00		2	1.0	0.5
BC_AGE999256	BC_AGE999256	BC_AGE999255	Circular	Pipe	90	0.013	-6.00	-6.10	6.00		2	0.5	0.5
BC_AGE999258	BC_AGE999258	BC_AGE999257	Circular	Pipe	75	0.013	-5.00	-6.00	7.00		2	0.5	0.5
BC_AGE999264	BC_AGE999264	BC_AGE999787	Circular	Pipe	95	0.013	-4.10	-4.20	6.00		2	0.5	0.5
BC_AGE999266	BC_AGE999266	BC_AGE999265	Circular	Pipe	260	0.013	-4.00	-4.10	4.50		2	0.5	0.5
BC_AGE999269	BC_AGE999269	BC_AGE999268	Circular	Pipe	87	0.013	-1.00	-1.10	3.00		2	0.5	0.5
BC_AGE999271	BC_AGE999271	BC_AGE999270	Circular	Pipe	62	0.013	-4.90	-5.00	6.00		1	0.5	0.5
BC_AGE999273	BC_AGE999273	BC_AGE999274	Circular	Pipe	95	0.013	-3.90	-4.00	5.00		1	0.5	0.5
BC_AGE999278	BC_AGE999278	BC_AGE999279	Circular	Pipe	20	0.013	2.10	2.00	2.00		2	0.5	0.5

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_AGE999283	BC_AGE999283	BC_AGE999284	Circular	Pipe	140	0.013	-1.50	-1.60	2.00		1	0.5	0.5
BC_AGE999289	BC_AGE999289	BP_DO000116	Circular	Pipe	160	0.013	4.00	2.00	2.00		1	0.5	0.5
BC_AGE999669	BC_AGE999669	BC_AGE999692	Circular	Pipe	18	0.013	-1.00	-1.10	2.00		1	0.5	0.5
BC_AGE999670	BC_AGE999670	BC_AGE999747	Circular	Pipe	140	0.013	-1.60	-1.60	2.00		1	0.5	0.5
BC_AGE999671	BC_AGE999671	BC_CBDD_O4	Circular	Pipe	400	0.013	-1.60	-1.60	2.00		1	0.5	0.5
BC_AGE999679	BC_AGE999679	BC_DO000825	Circular	Pipe	120	0.013	-2.50	-2.60	6.00		2	0.5	0.5
BC_AGE999683	BC_AGE999683	BC_DO000052	Circular	Pipe	21	0.024	2.00	-1.00	2.00		1	0.5	1.0
BC_AGE999685	BC_AGE999685	BC_DO000064	Circular	Pipe	57	0.013	2.70	-1.00	2.00		1	0.5	1.0
BC_AGE999774	BC_AGE999774	BC_FDOTNW07	Circular	Pipe	122	0.013	0.00	-0.80	2.00		1	0.3	0.7
BC_AGE999784	BC_AGE999784	BC_AGE999267	Circular	Pipe	108	0.013	-4.90	-5.00	6.00		1	1.0	0.5
BC_AGE999787	BC_AGE999787	BC_AGE999263	Circular	Pipe	95	0.013	-4.50	-4.60	6.00		2	1.0	0.5
BC_CBDD_OF1	BC_AGE999680	BC_CBDD_O1	Circular	Pipe	450	0.013	-2.46	-2.49	6.00		2	0.5	0.5
BC_DMH000053	BC_DMH000053	BC_AGE999684	Circular	Pipe	35	0.024	1.10	1.00	1.25		1	0.3	0.5
BC_DMH000070	BC_DMH000070	BC_DMH000101	Circular	Pipe	286	0.024	0.87	0.29	2.00		1	0.3	0.2
BC_DMH000076	BC_DMH000076	BC_DMH000070	Circular	Pipe	334	0.024	1.08	0.66	2.00		1	0.3	0.2
BC_DMH000087	BC_DMH000087	BH_DMH000074	Circular	Pipe	58	0.024	0.23	-0.79	2.00		1	0.3	0.7
BC_DMH000089	BC_DMH000089	BC_DMH000087	Circular	Pipe	259	0.024	0.46	0.23	2.00		1	0.3	0.5
BC_DMH000090	BC_DMH000090	BC_DMH000089	Circular	Pipe	145	0.024	0.94	0.60	2.00		1	0.3	0.2
BC_DMH000093	BC_DMH000093	BC_DMH000090	Circular	Pipe	264	0.024	0.91	0.79	2.00		1	0.3	0.2
BC_DMH000094	BC_DMH000094	BC_DMH000093	Circular	Pipe	251	0.024	0.91	0.69	2.00		1	0.3	0.2
BC_DMH000101	BC_DMH000101	BC_DMH000094	Circular	Pipe	214	0.024	0.90	0.67	2.00		1	0.3	0.2
BC_DMH000103	BC_DMH000103	BC_DMH000076	Circular	Pipe	306	0.024	0.88	0.66	2.00		1	0.3	0.2
BC_DMH000105	BC_DMH000105	BC_DMH000103	Circular	Pipe	307	0.024	0.79	0.71	2.00		1	0.3	0.2
BC_DMH000106	BC_DMH000106	BC_DMH000105	Circular	Pipe	186	0.024	0.24	0.53	2.00		1	0.3	0.2
BC_DMH000116	BC_DMH000116	BC_FDG000020	Circular	Pipe	259	0.013	-0.28	-0.35	4.50		1	0.3	0.2
BC_DMH000117	BC_DMH000117	BC_DMH000116	Circular	Pipe	199	0.013	0.22	-0.28	4.00		1	0.3	0.2
BC_DMH000133	BC_DMH000133	BC_DMH000134	Circular	Pipe	206	0.013	-0.30	-0.38	4.00		1	0.3	0.2
BC_DMH000134	BC_DMH000134	BC_FDG000024	Circular	Pipe	255	0.013	0.00	-0.50	4.00		1	0.3	0.2
BC_DMH000135	BC_DMH000135	BC_FDG000023	Circular	Pipe	140	0.013	-0.76	-0.70	4.00		1	0.3	0.2
BC_DMH000140	BC_DMH000140	West-BC_TP_O2	Circular	Pipe	71	0.013	-1.68	-2.00	4.50		1	0.3	0.2
BC_DMH000141	BC_DMH000141	BC_DMH000140	Circular	Pipe	243	0.013	-1.20	-1.68	4.50		1	0.3	0.2
BC_DMH000142	BC_DMH000142	BC_DMH000141	Circular	Pipe	223	0.013	-0.98	-1.20	4.50		1	0.3	0.2
BC_DMH000143	BC_DMH000143	BC_DMH000142	Circular	Pipe	258	0.013	-0.98	-0.98	4.50		1	0.3	0.2
BC_DMH000144	BC_DMH000144	BC_DMH000143	Circular	Pipe	175	0.013	-0.78	-0.98	4.50		1	0.3	0.2
BC_DMH000145	BC_DMH000145	BC_DS002748	Circular	Pipe	143	0.013	-0.58	-0.68	4.50		1	0.3	0.2
BC_DMH000589	BC_DMH000589	BC_DO000592	Circular	Pipe	61	0.013	-0.20	-0.50	2.00		1	0.3	1.0
BC_DMH000644_1	BC_DMH000644	BC_DMH000645	Circular	Pipe	57	0.013	1.00	1.10	2.00		1	0.3	0.6
BC_DMH000644_2	BC_DMH000644	BC_DMH000758	Circular	Pipe	297	0.013	1.00	0.80	2.00		1	0.3	0.4
BC_DMH000645	BC_DMH000645	BC_DMH000649	Circular	Pipe	184	0.013	1.10	1.20	2.00		1	0.3	0.2
BC_DMH000648	BC_DMH000648	BC_DS000028	Circular	Pipe	45	0.013	1.70	1.60	2.00		1	0.3	0.7
BC_DMH000649	BC_DMH000649	BC_DMH000753	Circular	Pipe	120	0.013	1.20	1.30	2.00		1	0.3	0.4
BC_DMH000651	BC_DMH000651	BC_DMH000652	Circular	Pipe	300	0.013	0.90	0.80	2.00		1	0.3	0.2
BC_DMH000652	BC_DMH000652	BC_DMH000658	Circular	Pipe	271	0.013	0.80	0.70	2.00		1	0.3	0.2
BC_DMH000655	BC_DMH000655	BC_DS000066	Circular	Pipe	16	0.013	1.15	1.13	2.00		1	0.3	0.2

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DMH000656	BC_DMH000656	BC_DS000054	Circular	Pipe	113	0.013	1.10	1.00	2.00		1	0.3	0.5
BC_DMH000657	BC_DMH000657	BC_DS000058	Circular	Pipe	207	0.013	0.80	0.70	2.00		1	0.3	0.7
BC_DMH000658	BC_DMH000658	BC_DMH000659	Circular	Pipe	69	0.013	0.70	0.60	2.00		1	0.3	0.7
BC_DMH000659	BC_DMH000659	BC_NID10232	Circular	Pipe	52	0.013	0.60	0.50	2.00		1	0.3	0.2
BC_DMH000739	BC_DMH000739	BC_DMH000827	Circular	Pipe	198	0.013	1.32	1.22	4.00		1	0.3	0.2
BC_DMH000740	BC_DMH000740	BC_NID15878	Circular	Pipe	438	0.013	2.32	1.42	3.50		1	0.3	0.2
BC_DMH000741	BC_DMH000741	BC_DMH000740	Circular	Pipe	259	0.013	3.22	2.32	3.00		1	0.3	0.2
BC_DMH000742	BC_DMH000742	BC_FDOT15876	Circular	Pipe	92	0.013	3.32	3.22	3.00		1	0.3	0.2
BC_DMH000743	BC_DMH000743	BC_DMH000768	Circular	Pipe	242	0.013	4.02	3.72	3.00		1	0.3	0.2
BC_DMH000744	BC_DMH000744	BC_DMH000743	Circular	Pipe	220	0.013	4.82	4.02	3.00		1	0.3	0.2
BC_DMH000745	BC_DMH000745	BC_DMH000744	Circular	Pipe	202	0.013	5.22	4.82	2.00		1	0.3	0.2
BC_DMH000753	BC_DMH000753	BC_DMH000755	Circular	Pipe	197	0.013	1.30	1.40	2.00		1	0.3	0.5
BC_DMH000754	BC_DMH000754	BC_DMH000991	Circular	Pipe	144	0.013	1.40	1.30	2.00		1	0.3	0.2
BC_DMH000755	BC_DMH000755	BC_DS000027	Circular	Pipe	129	0.013	1.40	1.50	2.00		1	0.3	0.4
BC_DMH000756	BC_DMH000756	BC_DMH000754	Circular	Pipe	173	0.013	1.50	1.40	2.00		1	0.3	0.5
BC_DMH000758	BC_DMH000758	BC_DMH000989	Circular	Pipe	342	0.013	0.80	0.60	2.00		1	0.3	0.6
BC_DMH000767	BC_DMH000767	BC_DMH000739	Circular	Pipe	173	0.013	1.42	1.32	4.00		1	0.3	0.2
BC_DMH000768	BC_DMH000768	BC_DMH000742	Circular	Pipe	282	0.013	3.72	3.32	2.50		1	0.3	0.2
BC_DMH000826	BC_DMH000826	BC_DMH000834	Circular	Pipe	356	0.013	1.02	0.72	4.00		1	0.3	0.2
BC_DMH000827	BC_DMH000827	BC_DMH000826	Circular	Pipe	198	0.013	1.22	1.02	4.00		1	0.3	0.2
BC_DMH000834	BC_DMH000834	BC_DMH000117	Circular	Pipe	541	0.013	0.72	0.22	4.00		1	0.3	0.2
BC_DMH000957	BC_DMH000957	BC_NID10262	Circular	Pipe	145	0.013	-0.60	-1.00	3.00		1	0.3	0.2
BC_DMH000958	BC_DMH000958	BC_DMH000957	Circular	Pipe	41	0.013	-0.50	-0.60	2.00		1	0.3	0.6
BC_DMH000959	BC_DMH000959	BC_DMH000958	Circular	Pipe	209	0.013	0.00	-0.50	2.00		1	0.3	0.4
BC_DMH000960	BC_DMH000960	BC_DMH000959	Circular	Pipe	269	0.013	0.50	0.00	2.00		1	0.3	0.2
BC_DMH000962	BC_DMH000962	BC_DMH000957	Circular	Pipe	242	0.013	-0.30	-0.60	2.00		1	0.3	0.6
BC_DMH000988	BC_DMH000988	BC_DS001247	Circular	Pipe	96	0.013	0.50	0.40	2.00		1	0.3	0.2
BC_DMH000989	BC_DMH000989	BC_DMH000988	Circular	Pipe	59	0.013	0.60	0.50	2.00		1	0.3	0.4
BC_DMH000991	BC_DMH000991	BC_DS000053	Circular	Pipe	89	0.013	1.30	1.20	2.00		1	0.3	0.5
BC_DMH000992	BC_DMH000992	BC_DMH001000	Circular	Pipe	486	0.013	0.30	0.10	2.00		1	0.3	0.2
BC_DMH000994	BC_DMH000994	BC_DMH000995	Circular	Pipe	43	0.013	0.20	0.15	2.00		1	0.3	0.2
BC_DMH000995	BC_DMH000995	BC_DMH000996	Circular	Pipe	227	0.013	0.15	0.10	2.00		1	0.3	0.2
BC_DMH000996	BC_DMH000996	BC_DMH000998	Circular	Pipe	277	0.013	0.10	0.00	2.00		1	0.3	0.2
BC_DMH000998	BC_DMH000998	BC_NID10264	Circular	Pipe	95	0.013	0.00	-0.05	2.00		1	0.3	0.7
BC_DMH000999	BC_DMH000999	BC_DMH001002	Circular	Pipe	220	0.013	-0.10	-0.20	2.00		1	0.3	0.2
BC_DMH001000	BC_DMH001000	BC_DMH001001	Circular	Pipe	559	0.013	0.10	-0.10	2.00		1	0.3	0.2
BC_DMH001001	BC_DMH001001	BC_DMH001002	Circular	Pipe	37	0.013	-0.10	-0.20	2.00		1	0.3	0.7
BC_DMH001002	BC_DMH001002	BC_DS001239	Circular	Pipe	297	0.013	-0.20	-0.40	2.00		1	0.3	0.2
BC_DMH001009_1	BC_DMH001009	BC_DS002656	Circular	Pipe	253	0.013	0.00	-0.50	2.00		1	0.3	0.7
BC_DMH001009_2	BC_DMH001009	BC_DMH000962	Circular	Pipe	298	0.013	0.00	-0.30	2.00		1	0.3	0.2
BC_DMH001749	BC_DMH001749	DW_DMH000029	Circular	Pipe	298	0.013	-4.00	-4.28	3.50		1	0.3	0.2
BC_DO000064	BC_DO000064	BC_AGE999678	Circular	Pipe	120	0.013	-6.00	-6.00	6.00		2	0.5	0.5
BC_DO000824	BC_DO000824	BC_DO000825	Circular	Pipe	21	0.013	2.00	-1.00	2.50		1	0.5	1.0
BC_DO000826	BC_DO000826	BC_DO000827	Circular	Pipe	21	0.013	2.00	-1.00	2.50		1	0.5	1.0

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DO000828	BC_DO000828	BC_DO000061	Circular	Pipe	19	0.013	2.00	-1.00	2.50		1	0.5	1.0
BC_DO000830	BC_DO000830	BC_DO000831	Circular	Pipe	25	0.013	2.00	-1.00	2.50		1	0.5	1.0
BC_DO000831	BC_DO000831	BC_DO000060	Circular	Pipe	120	0.013	-4.00	-4.10	6.00		2	0.5	0.5
BC_DO000832	BC_DO000832	BC_DO000833	Circular	Pipe	20	0.013	2.00	-1.00	2.50		1	0.5	1.0
BC_DO000833	BC_DO000833	BC_AGE999677	Circular	Pipe	30	0.013	-3.00	-3.10	6.00		2	0.5	0.5
BC_DO000834	BC_DO000834	BC_DO000835	Circular	Pipe	21	0.013	2.00	-1.00	2.50		1	0.5	1.0
BC_DO000836	BC_DO000836	BC_DO000837	Circular	Pipe	20	0.013	2.00	-1.00	2.50		1	0.5	1.0
BC_DS000008	BC_DS000008	BC_NID10208	Circular	Pipe	203	0.013	2.10	1.90	2.00		1	0.3	0.2
BC_DS000027	BC_DS000027	BC_DS000028	Circular	Pipe	133	0.013	1.50	1.60	2.00		1	0.3	0.5
BC_DS000028	BC_DS000028	BC_DMH000756	Circular	Pipe	50	0.013	1.60	1.50	2.00		1	0.3	0.2
BC_DS000044	BC_DS000044	BC_DS000008	Circular	Pipe	75	0.013	2.20	2.10	2.00		1	0.3	0.5
BC_DS000047	BC_DS000047	BC_NID10265	Circular	Pipe	46	0.013	1.10	1.00	2.00		1	0.3	0.6
BC_DS000053	BC_DS000053	BC_DMH000655	Circular	Pipe	33	0.013	1.20	1.15	2.00		1	0.3	0.2
BC_DS000054	BC_DS000054	BC_DS000056	Circular	Pipe	94	0.013	1.00	0.90	2.00		1	0.3	0.4
BC_DS000056	BC_DS000056	BC_DMH000657	Circular	Pipe	132	0.013	0.90	0.80	2.00		1	0.3	0.2
BC_DS000058	BC_DS000058	BC_DS000059	Circular	Pipe	33	0.013	0.70	0.65	2.00		1	0.3	0.7
BC_DS000059	BC_DS000059	BC_DMH000659	Circular	Pipe	20	0.013	0.65	0.60	2.00		1	0.3	0.7
BC_DS000066	BC_DS000066	BC_DMH000656	Circular	Pipe	21	0.013	1.13	1.10	2.00		1	0.3	0.4
BC_DS001239	BC_DS001239	BC_DS002656	Circular	Pipe	35	0.013	-0.40	-0.50	2.00		1	0.3	0.7
BC_DS001247	BC_DS001247	BC_DMH000992	Circular	Pipe	15	0.013	0.40	0.30	2.00		1	0.3	0.7
BC_DS001321	BC_DS001321	BC_DMH001749	Circular	Pipe	559	0.013	-3.00	-4.00	1.75		1	0.3	0.2
BC_DS001325	BC_DS001325	BC_DMH001749	Circular	Pipe	31	0.013	-0.50	-1.00	1.25		1	0.3	0.7
BC_DS001427	BC_DS001427	BC_DMH000089	Circular	Pipe	17	0.023	1.00	0.46	1.25		2	0.3	0.7
BC_DS002144	BC_DS002144	BC_DMH000076	Circular	Pipe	20	0.024	1.50	1.08	1.25		1	0.3	0.7
BC_DS002177	BC_DS002177	BC_DMH000101	Circular	Pipe	18	0.024	1.00	0.90	1.00		2	0.3	0.7
BC_DS002184	BC_DS002184	BH_DS002185	Circular	Pipe	35	0.024	0.50	0.20	1.00		1	0.3	0.7
BC_DS002187	BC_DS002187	BH_DS002188	Circular	Pipe	37	0.024	0.60	0.50	1.00		1	0.3	0.7
BC_DS002190	BC_DS002190	BC_DMH000105	Circular	Pipe	28	0.024	1.00	0.79	1.25		1	0.3	0.7
BC_DS002192	BC_DS002192	BH_DS002193	Circular	Pipe	30	0.024	0.70	0.60	1.00		1	0.3	0.4
BC_DS002205	BC_DS002205	BC_DO000079	Circular	Pipe	110	0.024	-0.25	-2.50	2.50		1	0.3	1.2
BC_DS002232	BC_DS002232	BH_DS002231	Circular	Pipe	38	0.024	0.00	-0.66	1.25		1	0.3	0.6
BC_DS002656	BC_DS002656	BC_DS007466	Circular	Pipe	110	0.013	-0.50	-1.00	3.00		1	0.3	0.2
BC_DS002748	BC_DS002748	BC_DMH000144	Circular	Pipe	227	0.013	-0.68	-0.78	4.50		1	0.3	0.2
BC_DS002749	BC_DS002749	BC_DMH000141	Circular	Pipe	72	0.013	-1.00	-1.20	1.25		3	0.3	0.7
BC_DS003653	BC_DS003653	BC_NID12393	Circular	Pipe	81	0.013	2.12	2.20	3.00		1	0.3	0.2
BC_DS006647	BC_DS006647	BC_DS006648	Circular	Pipe	73	0.013	0.10	0.00	2.00		1	0.3	0.7
BC_DS006648	BC_DS006648	BC_DS006649	Circular	Pipe	152	0.013	0.00	-0.10	2.00		1	0.3	0.2
BC_DS006649	BC_DS006649	BC_DMH000589	Circular	Pipe	154	0.013	-0.10	-0.20	2.00		1	0.3	0.6
BC_DS006675	BC_DS006675	BC_DS006676	Circular	Pipe	74	0.013	0.50	0.40	2.00		1	0.3	0.7
BC_DS006676	BC_DS006676	BC_DS006677	Circular	Pipe	80	0.013	0.40	0.30	2.00		1	0.3	0.4
BC_DS006677	BC_DS006677	BC_DS006682	Circular	Pipe	103	0.013	0.30	0.20	2.00		1	0.3	0.7
BC_DS006682_1	BC_DS006682	BC_DS006647	Circular	Pipe	72	0.013	0.20	0.10	2.00		1	0.3	0.2
BC_DS006939	BC_DS006939	BC_DO000028	Circular	Pipe	43	0.024	2.10	2.00	1.50		1	0.3	0.5
BC_DS006945	BC_DS006945	BC_DS006947	Circular	Pipe	200	0.013	2.70	2.60	1.25		1	0.3	0.7

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DS006947	BC_DS006947	BC_DO000047	Circular	Pipe	46	0.024	2.60	2.50	1.50		1	0.3	0.5
BC_DS006950	BC_DS006950	BC_DO000050	Circular	Pipe	45	0.013	2.10	2.00	1.50		1	0.3	0.5
BC_DS006952	BC_DS006952	BC_DS006950	Circular	Pipe	89	0.013	2.20	2.10	1.50		1	0.3	0.7
BC_DS006955	BC_DS006955	BC_DS006956	Circular	Pipe	259	0.013	2.50	2.20	1.25		1	0.3	0.2
BC_DS006956	BC_DS006956	BC_DS006939	Circular	Pipe	147	0.013	2.20	2.10	1.50		1	0.3	0.7
BC_DS006959	BC_DS006959	BC_DO000053	Circular	Pipe	30	0.024	-0.90	-1.00	1.50		1	0.3	0.5
BC_DS006960	BC_DS006960	BC_AGE999682	Circular	Pipe	43	0.024	3.00	2.60	1.25		1	0.3	0.5
BC_DS006965	BC_DS006965	BC_DO000065	Circular	Pipe	68	0.013	-7.40	-8.00	8.00		1	0.3	0.5
BC_DS006968	BC_DS006968	DW_DS006967	Circular	Pipe	91	0.013	1.60	1.50	1.25		1	0.3	0.7
BC_DS006975	BC_DS006975	BC_DO000058	Circular	Pipe	46	0.024	2.10	2.00	1.25		1	0.3	0.5
BC_DS006976	BC_DS006976	BC_DO000060	Circular	Pipe	147	0.024	-1.00	-2.00	1.25		1	0.3	1.0
BC_DS006979	BC_DS006979	BC_DO000062	Circular	Pipe	42	0.024	0.20	0.00	1.25		1	0.3	0.5
BC_DS006981	BC_DS006981	BC_DO000063	Circular	Pipe	41	0.024	1.10	1.00	1.25		1	0.3	0.5
BC_DS006985	BC_DS006985	BC_DM000053	Circular	Pipe	211	0.013	1.50	1.10	1.25		1	0.3	0.7
BC_DS006987	BC_DS006987	BC_DS006959	Circular	Pipe	259	0.013	-0.10	-0.90	1.25		1	0.3	0.7
BC_DS007006	BC_DS007006	BC_DM0000741	Circular	Pipe	20	0.013	3.50	3.22	1.25		4	0.3	0.7
BC_DS007014	BC_DS007014	BC_DM0000744	Circular	Pipe	32	0.013	5.00	4.82	2.00		1	0.3	0.7
BC_DS007019	BC_DS007019	BC_DM0000117	Circular	Pipe	15	0.013	0.50	0.22	1.25		2	0.3	0.7
BC_DS007025	BC_DS007025	BC_FDG000020	Circular	Pipe	52	0.013	0.00	-0.35	1.25		1	0.3	0.7
BC_DS007043	BC_DS007043	BC_FDG000024	Circular	Pipe	55	0.010	0.00	-0.50	1.25		4	0.3	0.7
BC_DS007044	BC_DS007044	BC_DM0000135	Circular	Pipe	50	0.017	0.00	-0.76	1.50		3	0.3	0.7
BC_DS007050	BC_DS007050	BC_DM0000826	Circular	Pipe	25	0.013	1.50	1.02	1.25		4	0.3	0.7
BC_DS007054	BC_DS007054	BC_DM0000141	Circular	Pipe	20	0.013	-1.00	-1.20	1.25		3	0.3	0.7
BC_DS007060	BC_DS007060	BC_DS002748	Circular	Pipe	81	0.013	0.00	-0.68	1.25		1	0.3	0.7
BC_DS007062	BC_DS007062	BC_DM0000145	Circular	Pipe	13	0.013	0.00	-0.58	1.25		1	0.3	0.7
BC_DS007064	BC_DS007064	BC_DM0000053	Circular	Pipe	184	0.013	1.50	1.10	1.25		1	0.3	0.7
BC_DS007066	BC_DS007066	BC_DM0000834	Circular	Pipe	13	0.013	1.00	0.72	1.25		1	0.3	0.7
BC_DS007466	BC_DS007466	BC_DO0000715	Circular	Pipe	48	0.013	-1.00	-1.60	3.00		1	0.3	1.0
BC_DS009286	BC_DS009286	BC_DS006985	Circular	Pipe	12	0.013	1.60	1.50	1.25		1	0.3	0.7
BC_DS009287	BC_DS009287	BC_DS006987	Circular	Pipe	15	0.013	0.00	-0.10	1.25		1	0.3	0.7
BC_DS009292	BC_DS009292	BC_DO0000831	Circular	Pipe	149	0.024	-1.00	-2.00	1.50		1	0.3	1.0
BC_Ex-20	BC_Ex-20	BC_FDOT15898	Circular	Pipe	306	0.013	0.90	0.70	3.50		1	0.3	0.2
BC_FDG000020	BC_FDG000020	BC_DM0000145	Circular	Pipe	259	0.013	-0.35	-0.43	4.50		1	0.3	0.2
BC_FDG000023	BC_FDG000023	BP_DM0000111	Circular	Pipe	93	0.013	-0.70	-0.68	4.00		1	0.3	0.2
BC_FDG000024	BC_FDG000024	BC_DM0000135	Circular	Pipe	83	0.013	-0.50	-0.70	4.00		1	0.3	0.2
BC_FDOT15863	BC_FDOT15863	BC_NID9879	Circular	Pipe	214	0.013	2.50	2.70	3.00		1	0.3	0.2
BC_FDOT15864	BC_FDOT15864	BC_NID12391	Circular	Pipe	122	0.013	5.20	5.00	2.00		1	0.3	0.7
BC_FDOT15865_1	BC_FDOT15865	BC_FDOT15864	Circular	Pipe	76	0.013	5.28	5.20	2.00		1	0.3	0.2
BC_FDOT15865_2	BC_FDOT15865	BC_DM0000745	Circular	Pipe	43	0.013	5.28	5.22	2.00		1	0.3	0.7
BC_FDOT15866	BC_FDOT15866	BC_FDOT9870	Circular	Pipe	137	0.013	5.40	5.35	2.50		1	0.3	0.2
BC_FDOT15867	BC_FDOT15867	BC_FDOT15866	Circular	Pipe	91	0.013	4.80	5.40	2.50		1	0.3	0.2
BC_FDOT15868	BC_FDOT15868	BC_FDOT15867	Circular	Pipe	92	0.013	4.20	4.80	2.50		1	0.3	0.2
BC_FDOT15869	BC_FDOT15869	BC_FDOT9872	Circular	Pipe	120	0.013	3.20	3.00	1.25		3	0.3	0.7
BC_FDOT15870	BC_FDOT15870	BC_FDOT9873	Circular	Pipe	20	0.013	3.10	3.20	3.00		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_FDOT15871	BC_FDOT15871	BC_FDOT15865	Circular	Pipe	12	0.013	5.30	5.28	2.00		1	0.3	0.2
BC_FDOT15875	BC_FDOT15875	BC_FDOT15868	Circular	Pipe	118	0.013	3.60	4.20	2.00		1	0.3	0.2
BC_FDOT15876	BC_FDOT15876	BC_DM000741	Circular	Pipe	49	0.013	3.32	3.22	3.00		1	0.3	0.2
BC_FDOT15890	BC_FDOT15890	BC_FDOT15892	Circular	Pipe	155	0.013	1.80	1.60	3.00		1	0.3	0.2
BC_FDOT15892	BC_FDOT15892	BC_FDOT15893	Circular	Pipe	258	0.013	1.60	1.40	3.00		1	0.3	0.2
BC_FDOT15893	BC_FDOT15893	BC_FDOT15894	Circular	Pipe	222	0.013	1.40	1.20	3.00		1	0.3	0.2
BC_FDOT15894	BC_FDOT15894	BC_FDOT15895	Circular	Pipe	199	0.013	1.20	1.00	3.00		1	0.3	0.2
BC_FDOT15895	BC_FDOT15895	BC_Ex-20	Circular	Pipe	64	0.013	1.00	0.90	3.00		1	0.3	0.2
BC_FDOT15898	BC_FDOT15898	BC_FDOT15899	Circular	Pipe	209	0.013	0.70	0.50	3.50		1	0.3	0.2
BC_FDOT15899	BC_FDOT15899	BC_FDOT15901	Circular	Pipe	171	0.013	0.50	0.30	3.50		1	0.3	0.2
BC_FDOT15900	BC_FDOT15900	BC_FDOT15899	Circular	Pipe	131	0.013	1.00	0.50	1.25		4	0.3	1.3
BC_FDOT15901	BC_FDOT15901	BC_FDOT15902	Circular	Pipe	100	0.013	0.30	0.20	3.50		1	0.3	0.2
BC_FDOT15902	BC_FDOT15902	BC_FDOT15904	Circular	Pipe	146	0.013	0.20	0.00	4.00		1	0.3	0.2
BC_FDOT15904	BC_FDOT15904	BC_DM000133	Circular	Pipe	353	0.013	0.00	-0.09	4.00		1	0.3	0.2
BC_FDOT15906	BC_FDOT15906	BC_NID12402	Circular	Pipe	46	0.013	-4.80	-4.90	4.50		1	0.3	0.2
BC_FDOT15907	BC_FDOT15907	BC_FDOT15906	Circular	Pipe	126	0.013	-4.50	-4.80	4.50		1	0.3	0.7
BC_FDOT15908	BC_FDOT15908	BC_FDOT15937	Circular	Pipe	289	0.013	-3.70	-4.00	4.50		1	0.3	0.2
BC_FDOT15909	BC_FDOT15909	BC_FDOT15908	Circular	Pipe	248	0.013	-3.50	-3.70	4.50		1	0.3	0.2
BC_FDOT15911	BC_FDOT15911	BC_FDOT15909	Circular	Pipe	383	0.013	-3.20	-3.50	4.50		1	0.3	0.2
BC_FDOT15912	BC_FDOT15912	BC_FDOT15911	Circular	Pipe	170	0.013	-3.00	-3.20	4.50		1	0.3	0.2
BC_FDOT15913	BC_FDOT15913	BC_FDOT15912	Circular	Pipe	415	0.013	-2.50	-3.00	4.50		1	0.3	0.2
BC_FDOT15917	BC_FDOT15917	BC_FDOT15918	Circular	Pipe	224	0.013	-1.40	-1.60	4.50		1	0.3	0.2
BC_FDOT15918	BC_FDOT15918	BC_FDOT15934	Circular	Pipe	246	0.013	-1.60	-1.80	4.50		1	0.3	0.2
BC_FDOT15919	BC_FDOT15919	BC_FDOT15917	Circular	Pipe	245	0.013	-1.20	-1.40	4.50		1	0.3	0.2
BC_FDOT15920	BC_FDOT15920	BC_FDOT15919	Circular	Pipe	313	0.013	-1.00	-1.20	4.50		1	0.3	0.2
BC_FDOT15921	BC_FDOT15921	BC_FDOT15920	Circular	Pipe	309	0.013	-0.70	-1.00	4.50		1	0.3	0.2
BC_FDOT15922	BC_FDOT15922	BC_FDOT15921	Circular	Pipe	210	0.013	-0.50	-0.70	4.50		1	0.3	0.2
BC_FDOT15923	BC_FDOT15923	BC_FDOT15922	Circular	Pipe	209	0.013	0.00	-0.50	4.00		1	0.3	0.2
BC_FDOT15924	BC_FDOT15924	BC_FDOT15925	Circular	Pipe	292	0.013	0.70	0.50	4.00		1	0.3	0.2
BC_FDOT15925	BC_FDOT15925	BC_FDOT15923	Circular	Pipe	338	0.013	0.50	0.00	4.00		1	0.3	0.2
BC_FDOT15926	BC_FDOT15926	BC_FDOT15924	Circular	Pipe	391	0.013	1.00	0.70	4.00		1	0.3	0.2
BC_FDOT15927	BC_FDOT15927	BC_FDOT15926	Circular	Pipe	285	0.013	1.20	1.00	3.50		1	0.3	0.2
BC_FDOT15928	BC_FDOT15928	BC_FDOT15927	Circular	Pipe	195	0.013	1.30	1.20	3.00		1	0.3	0.2
BC_FDOT15929	BC_FDOT15929	BC_FDOT15928	Circular	Pipe	236	0.013	1.50	1.30	3.00		1	0.3	0.2
BC_FDOT15930	BC_FDOT15930	BC_FDOT15939	Circular	Pipe	311	0.013	2.00	1.80	3.00		1	0.3	0.2
BC_FDOT15932	BC_FDOT15932	BC_FDOT15913	Circular	Pipe	184	0.013	-2.30	-2.50	4.50		1	0.3	0.2
BC_FDOT15933	BC_FDOT15933	BC_FDOT15932	Circular	Pipe	281	0.013	-2.10	-2.30	4.50		1	0.3	0.2
BC_FDOT15934	BC_FDOT15934	BC_FDOT15933	Circular	Pipe	335	0.013	-1.80	-2.10	4.50		1	0.3	0.2
BC_FDOT15935	BC_FDOT15935	BC_FDOT15936	Circular	Pipe	318	0.013	-1.50	-2.00	1.50		1	0.3	0.2
BC_FDOT15936	BC_FDOT15936	BC_FDOT15906	Circular	Pipe	257	0.013	-2.00	-2.30	2.00		1	0.3	0.7
BC_FDOT15937	BC_FDOT15937	BC_FDOT15907	Circular	Pipe	301	0.013	-4.00	-4.50	4.50		1	0.3	0.2
BC_FDOT15939	BC_FDOT15939	BC_FDOT15929	Circular	Pipe	313	0.013	1.80	1.50	3.00		1	0.3	0.2
BC_FDOT9870	BC_FDOT9870	BC_FDOT15871	Circular	Pipe	47	0.013	5.35	5.30	1.25		1	0.3	0.2
BC_FDOT9872	BC_FDOT9872	BC_FDOT15870	Circular	Pipe	87	0.013	3.00	3.10	3.00		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_FDOT9873	BC_FDOT9873	BC_NID12392	Circular	Pipe	78	0.013	3.20	3.30	2.00		1	0.3	0.2
BC_FDOT9901	BC_FDOT9901	BC_FDOT15890	Circular	Pipe	42	0.019	2.00	1.80	1.50		4	0.3	0.2
BC_FDOT9902	BC_FDOT9902	BC_FDOT15890	Circular	Pipe	72	0.017	2.00	1.80	1.50		5	0.3	0.7
BC_FDOT9913	BC_FDOT9913	BC_FDOT15899	Circular	Pipe	51	0.013	1.00	0.50	1.25		4	0.3	0.7
BC_FDOT9920	BC_FDOT9920	BC_FDOT15935	Circular	Pipe	72	0.013	-1.00	-1.50	1.25		1	0.3	0.7
BC_FDOT9921	BC_FDOT9921	BC_FDOT15935	Circular	Pipe	45	0.013	-1.00	-1.50	1.25		1	0.3	0.7
BC_FDOT9924	BC_FDOT9924	BC_FDOT15907	Circular	Pipe	70	0.013	0.00	-1.00	1.25		2	0.3	0.7
BC_FDOT9925	BC_FDOT9925	BC_FDOT15907	Circular	Pipe	50	0.013	0.00	-1.00	1.25		2	0.3	0.7
BC_FDOT9926	BC_FDOT9926	BC_FDOT15908	Circular	Pipe	57	0.013	0.00	-0.50	1.25		2	0.3	0.7
BC_FDOT9927	BC_FDOT9927	BC_FDOT15908	Circular	Pipe	43	0.013	0.00	-0.50	1.25		2	0.3	0.7
BC_FDOT9932	BC_FDOT9932	BC_FDOT15912	Circular	Pipe	57	0.013	0.50	0.00	1.25		2	0.3	0.7
BC_FDOT9933	BC_FDOT9933	BC_FDOT15912	Circular	Pipe	44	0.013	0.50	0.00	1.25		5	0.3	0.7
BC_FDOT9934	BC_FDOT9934	BC_FDOT15932	Circular	Pipe	58	0.013	0.50	0.00	1.25		1	0.3	0.2
BC_FDOT9935	BC_FDOT9935	BC_FDOT15932	Circular	Pipe	55	0.013	0.50	0.00	1.25		1	0.3	0.2
BC_FDOT9936	BC_FDOT9936	BC_FDOT15934	Circular	Pipe	57	0.013	0.50	0.00	1.25		2	0.3	0.7
BC_FDOT9937	BC_FDOT9937	BC_FDOT15934	Circular	Pipe	45	0.013	0.50	0.00	1.25		2	0.3	0.7
BC_FDOT9940	BC_FDOT9940	BC_FDOT15919	Circular	Pipe	59	0.013	0.00	-1.20	1.25		1	0.3	0.7
BC_FDOT9941	BC_FDOT9941	BC_FDOT15919	Circular	Pipe	50	0.013	0.00	-1.20	1.25		1	0.3	0.7
BC_FDOT9942	BC_FDOT9942	BC_FDOT15921	Circular	Pipe	45	0.013	0.00	-0.70	1.25		2	0.3	0.7
BC_FDOT9945	BC_FDOT9945	BC_FDOT15922	Circular	Pipe	55	0.013	0.00	-0.50	1.25		2	0.3	0.2
BC_FDOT9946	BC_FDOT9946	BC_FDOT15925	Circular	Pipe	40	0.013	1.00	0.50	1.25		1	0.3	0.7
BC_FDOT9947	BC_FDOT9947	BC_FDOT15925	Circular	Pipe	61	0.013	1.00	0.50	1.25		1	0.3	0.7
BC_FDOT9948	BC_FDOT9948	BC_FDOT15926	Circular	Pipe	42	0.013	1.50	1.00	1.25		1	0.3	0.7
BC_FDOT9949	BC_FDOT9949	BC_FDOT15926	Circular	Pipe	58	0.013	1.50	1.00	1.25		1	0.3	0.7
BC_FDOT9952	BC_FDOT9952	BC_FDOT15929	Circular	Pipe	42	0.013	2.00	1.50	1.25		2	0.3	0.7
BC_FDOT9953	BC_FDOT9953	BC_FDOT15929	Circular	Pipe	58	0.013	2.00	1.50	1.25		2	0.3	0.7
BC_FDOT9954	BC_FDOT9954	BC_FDOT15930	Circular	Pipe	43	0.013	2.10	2.00	1.25		2	0.3	0.7
BC_FDOT9955	BC_FDOT9955	BC_FDOT15930	Circular	Pipe	57	0.013	2.10	2.00	1.25		2	0.3	0.7
BC_FDOTNW01	BC_FDOTNW01	BC_FDOTNW02	Circular	Pipe	178	0.013	0.00	-0.20	2.00		1	0.3	0.2
BC_FDOTNW02	BC_FDOTNW02	BC_FDOTNW03	Circular	Pipe	847	0.013	-0.20	-0.50	2.00		1	0.3	0.7
BC_FDOTNW03_1	BC_FDOTNW03	BC_FDOTNW06	Circular	Pipe	457	0.013	-4.50	-4.70	6.00		1	0.3	0.2
BC_FDOTNW03_2	BC_FDOTNW03	BC_CBDD_O3	Circular	Pipe	162	0.013	-2.50	-3.00	2.00		1	0.3	0.5
BC_FDOTNW06	BC_FDOTNW06	BC_FDOTNW07	Circular	Pipe	261	0.013	-4.70	-4.80	6.00		1	0.3	0.2
BC_FDOTNW07	BC_FDOTNW07	BC_CBDD_O2	Circular	Pipe	3,300	0.013	-4.80	-5.00	6.00		1	0.3	1.2
BC_FDOTNW09	BC_FDOTNW09	BC_FDOTNW06	Circular	Pipe	120	0.011	0.00	-0.70	1.50		7	0.3	0.7
BC_FDOTNW10	BC_FDOTNW10	BC_FDOTNW02	Circular	Pipe	110	0.018	0.00	-0.20	2.00		2	0.3	0.7
BC_FDOTNW11	BC_FDOTNW11	BC_FDOTNW01	Circular	Pipe	498	0.013	0.50	0.00	2.00		1	0.3	0.7
BC_NID10208	BC_NID10208	BC_DMH000648	Circular	Pipe	167	0.013	1.90	1.70	2.00		1	0.3	0.7
BC_NID10229	BC_NID10229	BC_DMH000994	Circular	Pipe	252	0.013	0.30	0.20	2.00		1	0.3	0.7
BC_NID10231	BC_NID10231	BC_NID10229	Circular	Pipe	258	0.013	0.40	0.30	2.00		1	0.3	0.2
BC_NID10232	BC_NID10232	BC_NID10231	Circular	Pipe	188	0.013	0.50	0.40	2.00		1	0.3	0.2
BC_NID10262	BC_NID10262	BC_DO000612	Circular	Pipe	35	0.013	-1.00	-1.50	3.00		1	0.3	1.0
BC_NID10264	BC_NID10264	BC_DMH000999	Circular	Pipe	50	0.013	-0.05	-0.10	2.00		1	0.3	0.2
BC_NID10265	BC_NID10265	BC_DMH000651	Circular	Pipe	50	0.013	1.00	0.90	2.00		1	0.3	0.4

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_NID12392	BC_NID12392	BC_FDOT15875	Circular	Pipe	96	0.013	3.30	3.60	2.00		1	0.3	0.2
BC_NID12393	BC_NID12393	BC_NID9880	Circular	Pipe	83	0.013	2.20	2.30	3.00		1	0.3	0.2
BC_NID12402	BC_NID12402	SBDD20	Circular	Pipe	55	0.013	-4.90	-5.00	4.50		1	0.3	0.5
BC_NID15878	BC_NID15878	BC_DMH000767	Circular	Pipe	40	0.013	2.32	1.42	3.50		1	0.3	0.2
BC_NID9879	BC_NID9879	BC_FDOT9872	Circular	Pipe	194	0.013	2.70	3.00	3.00		1	0.3	0.2
BC_NID9880	BC_NID9880	BC_FDOT15863	Circular	Pipe	209	0.013	2.30	2.50	3.00		1	0.3	0.2
BH_AGE999290	BH_AGE999290	441_AGE999751	Circular	Pipe	310	0.013	3.00	4.00	1.50		1	0.5	0.5
BH_DMH000055	BH_DMH000055	BH_DMH000057	Circular	Pipe	132	0.024	2.80	2.76	2.00		1	0.3	0.2
BH_DMH000056	BH_DMH000056	BH_DMH000063	Circular	Pipe	271	0.024	2.49	2.41	2.00		1	0.3	0.2
BH_DMH000057	BH_DMH000057	BH_DMH000056	Circular	Pipe	269	0.024	2.69	2.92	2.00		1	0.3	0.2
BH_DMH000058	BH_DMH000058	BH_DMH000080	Circular	Pipe	299	0.024	1.37	1.72	2.00		1	0.3	0.2
BH_DMH000059	BH_DMH000059	BH_DMH000060	Circular	Pipe	265	0.024	2.13	1.86	2.00		1	0.3	0.2
BH_DMH000060	BH_DMH000060	BH_DMH000065	Circular	Pipe	213	0.024	1.86	2.00	1.00		1	0.3	0.2
BH_DMH000062	BH_DMH000062	BH_DMH000083	Circular	Pipe	268	0.024	2.10	2.20	1.00		1	0.3	0.2
BH_DMH000063	BH_DMH000063	BH_DMH000059	Circular	Pipe	220	0.024	2.92	2.66	2.00		1	0.3	0.2
BH_DMH000065	BH_DMH000065	BH_DMH000062	Circular	Pipe	271	0.024	2.00	2.10	1.00		1	0.3	0.2
BH_DMH000068	BH_DMH000068	BH_DMH000086	Circular	Pipe	157	0.024	1.90	1.80	1.00		1	0.3	0.2
BH_DMH000069	BH_DMH000069	BH_DMH000068	Circular	Pipe	83	0.024	2.00	1.90	1.00		1	0.3	0.2
BH_DMH000071	BH_DMH000071	BH_DMH000074	Circular	Pipe	245	0.024	-0.40	-0.79	1.00		1	0.3	0.7
BH_DMH000072	BH_DMH000072	BH_DMH000088	Circular	Pipe	278	0.024	1.00	0.80	1.00		1	0.3	0.2
BH_DMH000073	BH_DMH000073	BH_DMH000074	Circular	Pipe	130	0.024	0.00	-0.79	1.50		1	0.3	0.2
BH_DMH000074	BH_DMH000074	DW_DMH000098	Circular	Pipe	261	0.024	-0.79	-1.50	1.50		1	0.3	0.2
BH_DMH000075_1	BH_DMH000075	DW_DMH000066	Circular	Pipe	301	0.024	0.50	0.00	1.00		1	0.3	0.2
BH_DMH000075_2	BH_DMH000075	BH_DMH000100	Circular	Pipe	225	0.024	0.50	0.20	1.00		1	0.3	0.2
BH_DMH000077	BH_DMH000077	BH_DMH000081	Circular	Pipe	111	0.024	1.92	1.53	2.00		1	0.3	0.2
BH_DMH000080	BH_DMH000080	BH_DMH000077	Circular	Pipe	261	0.024	1.72	1.92	1.75		1	0.3	0.2
BH_DMH000081	BH_DMH000081	BH_DMH000055	Circular	Pipe	194	0.024	2.77	2.89	2.00		1	0.3	0.2
BH_DMH000083	BH_DMH000083	DW_DMH000084	Circular	Pipe	177	0.024	4.02	2.42	2.00		1	0.3	0.7
BH_DMH000085	BH_DMH000085	BH_DMH000058	Circular	Pipe	190	0.024	1.72	1.32	2.00		1	0.3	0.2
BH_DMH000086	BH_DMH000086	BH_DMH000085	Circular	Pipe	143	0.024	1.80	1.72	1.00		1	0.3	0.2
BH_DMH000088	BH_DMH000088	BH_DMH000092	Circular	Pipe	220	0.024	0.80	0.60	1.00		1	0.3	0.2
BH_DMH000091	BH_DMH000091	BH_DMH000096	Circular	Pipe	239	0.024	2.00	1.50	1.00		1	0.3	0.2
BH_DMH000092	BH_DMH000092	BH_DMH000075	Circular	Pipe	55	0.024	0.60	0.50	2.00		1	0.3	0.2
BH_DMH000096	BH_DMH000096	BH_DMH000097	Circular	Pipe	210	0.024	1.50	1.30	1.00		1	0.3	0.2
BH_DMH000097	BH_DMH000097	BH_DMH000102	Circular	Pipe	283	0.024	1.30	1.10	1.00		1	0.3	0.2
BH_DMH000100	BH_DMH000100	BH_DMH000158	Circular	Pipe	222	0.024	0.20	-0.20	1.00		1	0.3	0.2
BH_DMH000102	BH_DMH000102	BH_DMH000072	Circular	Pipe	216	0.024	1.10	1.00	1.00		1	0.3	0.2
BH_DMH000104	BH_DMH000104	BH_DMH000081	Circular	Pipe	277	0.024	3.00	2.77	1.25		1	0.3	0.7
BH_DMH000158	BH_DMH000158	BH_DMH000071	Circular	Pipe	268	0.024	-0.20	-0.40	1.00		1	0.3	0.2
BH_DMH001869	BH_DS001424	BH_DMH000068	Circular	Pipe	20	0.019	2.00	1.90	1.00		4	0.3	0.7
BH_DMH001870	BH_DS001414	BH_DMH000158	Circular	Pipe	32	0.020	0.00	-0.20	1.00		1	0.3	0.7
BH_DMH001872	BH_DMH001872	BC_DMH000106	Circular	Pipe	49	0.024	0.50	0.24	1.25		1	0.3	0.6
BH_DO000078	BH_DO000078	BC_DO000079	Circular	Pipe	53	0.013	-2.90	-3.00	3.50		1	0.5	0.5
BH_DS001412	BH_DS001412	BH_DMH000100	Circular	Pipe	39	0.024	0.50	0.20	1.00		1	0.3	0.7

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BH_DS001428	BH_DS001428	BC_DMH000089	Circular	Pipe	40	0.024	1.00	0.46	1.00		2	0.3	0.7
BH_DS001429	BH_DS001429	BH_DMH000104	Circular	Pipe	74	0.024	3.10	3.00	1.00		1	0.3	0.5
BH_DS001438	BH_DS001438	BH_DMH000104	Circular	Pipe	43	0.024	3.10	3.00	1.00		1	0.3	0.7
BH_DS001441	BH_DS001441	BH_NID10268	Circular	Pipe	20	0.024	3.00	1.00	1.50		1	0.3	0.5
BH_DS001450	BH_DS001450	BH_DS001445	Circular	Pipe	45	0.024	0.10	0.00	1.00		1	0.3	0.7
BH_DS002095	BH_DS002095	BH_DO000067	Circular	Pipe	119	0.024	0.88	-2.00	2.00		1	0.3	1.0
BH_DS002138	BH_DS002138	BC_DMH000070	Circular	Pipe	65	0.024	1.00	0.87	1.00		1	0.3	0.7
BH_DS002142	BH_DS002142	BH_DMH000088	Circular	Pipe	36	0.024	1.00	0.80	1.00		1	0.3	0.7
BH_DS002145	BH_DS002145	BC_DMH000076	Circular	Pipe	38	0.024	1.50	1.08	1.25		1	0.3	0.7
BH_DS002148	BH_DS002148	BH_DMH000083	Circular	Pipe	19	0.024	4.10	4.02	1.00		1	0.3	0.2
BH_DS002153	BH_DS002153	BH_DMH000065	Circular	Pipe	18	0.024	2.20	2.10	1.00		1	0.3	0.7
BH_DS002157	BH_DS002157	BH_DMH000091	Circular	Pipe	40	0.013	2.10	2.00	1.00		2	0.3	0.6
BH_DS002166	BH_DS002166	BC_DMH000093	Circular	Pipe	62	0.024	1.00	0.91	1.25		1	0.3	0.7
BH_DS002178	BH_DS002178	BC_DMH000101	Circular	Pipe	64	0.024	1.00	0.90	1.00		2	0.3	0.7
BH_DS002180	BH_DS002180	BH_DS002197	Circular	Pipe	237	0.013	0.47	0.91	2.50		1	0.3	0.7
BH_DS002181	BH_DS002181	BH_DMH000102	Circular	Pipe	42	0.024	1.50	1.10	1.00		3	0.3	0.7
BH_DS002185	BH_DS002185	BH_DS002201	Circular	Pipe	78	0.024	0.20	0.07	1.25		1	0.3	0.2
BH_DS002186	BH_DS002186	BH_DMH000092	Circular	Pipe	238	0.024	1.00	0.60	1.50		1	0.3	0.7
BH_DS002188	BH_DS002188	BH_DS002185	Circular	Pipe	183	0.024	0.50	0.20	1.25		1	0.3	0.2
BH_DS002191	BH_DS002191	BC_DMH000105	Circular	Pipe	41	0.024	1.00	0.79	1.25		1	0.3	0.7
BH_DS002193	BH_DS002193	BH_DMH001872	Circular	Pipe	19	0.024	0.60	0.50	1.25		1	0.3	0.2
BH_DS002197	BH_DS002197	BH_DO000074	Circular	Pipe	143	0.024	-0.11	-2.50	2.50		1	0.3	1.0
BH_DS002198	BH_DS002198	BH_DS002231	Circular	Pipe	74	0.024	-0.44	-0.58	3.00		1	0.3	0.2
BH_DS002199	BH_DS002199	BH_DS002200	Circular	Pipe	103	0.024	0.09	-0.06	2.00		1	0.3	0.2
BH_DS002200	BH_DS002200	BH_DS002198	Circular	Pipe	158	0.024	-0.01	-0.53	2.50		1	0.3	0.2
BH_DS002201	BH_DS002201	BH_DS002199	Circular	Pipe	152	0.024	0.07	0.10	2.00		1	0.3	0.2
BH_DS002203	BH_DS002203	BH_DS002208	Circular	Pipe	163	0.024	0.00	0.23	2.00		1	0.3	0.7
BH_DS002206	BH_DS002206	BC_DS002205	Circular	Pipe	39	0.024	0.00	-0.25	1.25		1	0.3	0.7
BH_DS002208	BH_DS002208	BH_DS002209	Circular	Pipe	43	0.024	0.28	0.42	2.50		1	0.3	0.7
BH_DS002209	BH_DS002209	BC_DS002205	Circular	Pipe	63	0.024	0.46	0.09	2.50		1	0.3	0.2
BH_DS002211	BH_DS002211	BH_NID10270	Circular	Pipe	17	0.024	5.00	3.00	1.50		1	0.3	0.5
BH_DS002229	BH_DS002229	BH_NID10269	Circular	Pipe	20	0.024	4.00	2.00	1.25		1	0.3	0.5
BH_DS002230	BH_DS002230	BH_DO000078	Circular	Pipe	18	0.024	-0.69	-2.00	3.00		1	0.3	1.0
BH_DS002231	BH_DS002231	BH_DS002230	Circular	Pipe	103	0.024	-0.66	-0.68	3.00		1	0.3	0.7
BH_DS002246	BH_DS002246	BH_NID10272	Circular	Pipe	18	0.013	4.00	3.90	2.00		1	0.3	0.5
BH_DS002249_1	BH_DS002249	BH_NID10273	Circular	Pipe	16	0.013	4.10	4.00	2.00		1	0.3	0.5
BH_DS002249_2	BH_DS002249	BH_NID10271	Circular	Pipe	40	0.013	4.10	4.00	2.00		1	0.3	0.2
BH_DS002273	BH_DS002273	BH_DO000089	Circular	Pipe	38	0.013	6.17	0.00	2.00		1	0.3	0.2
BH_DS002274_1	BH_DS002274	BH_DS002273	Circular	Pipe	53	0.013	6.42	6.17	2.00		1	0.3	0.2
BH_DS002274_2	BH_DS002274	441_DO000114	Circular	Pipe	82	0.013	6.42	0.00	2.00		1	0.3	0.2
BH_DS004219	BH_DS004219	BH_DMH000063	Circular	Pipe	17	0.013	3.00	2.92	1.25		2	0.3	0.7
BP_DMH000110	BP_DMH000113	BP_DMH000110	Circular	Pipe	121	0.013	-0.88	-0.98	4.50		1	0.3	0.2
BP_DMH000111	BP_DMH000111	BP_DMH000127	Circular	Pipe	165	0.013	-0.68	-2.18	4.00		1	0.3	0.2
BP_DMH000112_2	BP_DMH000112	BP_DMH002005	Circular	Pipe	127	0.013	-0.38	-0.78	4.50		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BP_DMH000113	BP_DMH002005	BP_DMH000113	Circular	Pipe	410	0.013	-0.98	-0.88	4.50		1	0.3	0.2
BP_DMH000128	BP_DMH000128	BP_DMH000765	Circular	Pipe	100	0.013	-2.18	-2.28	4.00		1	0.3	0.7
BP_DMH000129	BP_DMH000129	BP_DO000116	Circular	Pipe	166	0.013	-2.70	-3.00	6.00		1	0.3	0.2
BP_DMH000130	BP_DMH000130	BP_DMH000129	Circular	Pipe	108	0.013	-2.50	-2.70	6.00		1	0.3	0.2
BP_DMH000131	BP_DMH000131	BP_DMH000130	Circular	Pipe	100	0.013	-2.00	-2.50	2.50		1	0.3	0.4
BP_DMH000759_1	BP_DMH000110	BP_DMH000759	Circular	Pipe	278	0.013	-0.98	-0.38	4.50		1	0.3	0.2
BP_DMH000759_2	BP_DMH000759	BP_DMH000761	Circular	Pipe	120	0.013	-0.38	-1.38	4.50		1	0.3	0.2
BP_DMH000760	BP_DMH000760	BP_DMH000766	Circular	Pipe	15	0.013	-1.88	-1.98	4.50		1	0.3	0.2
BP_DMH000761	BP_DMH000761	BP_DMH000760	Circular	Pipe	15	0.013	-1.78	-1.88	4.50		1	0.3	0.2
BP_DMH000762	BP_DMH000762	BP_DMH000763	Circular	Pipe	106	0.013	-2.08	-2.18	5.00		1	0.3	0.6
BP_DMH000763	BP_DMH000763	BP_DMH000765	Circular	Pipe	85	0.013	-2.18	-2.18	5.00		1	0.3	0.2
BP_DMH000764_1	BP_DMH000764	BP_DS002379	Circular	Pipe	82	0.013	-0.50	-1.00	1.50		1	0.3	0.7
BP_DMH000764_2	BP_DMH000764	BP_DMH000130	Circular	Pipe	168	0.013	-2.30	-2.50	6.00		1	0.3	0.2
BP_DMH000765	BP_DMH000765	BP_DMH000764	Circular	Pipe	122	0.013	-2.18	-2.30	6.00		1	0.3	0.2
BP_DMH000766	BP_DMH000766	BP_DMH000762	Circular	Pipe	180	0.013	-1.98	-2.08	5.00		1	0.3	0.2
BP_DMH001951	BP_DMH001951	WP_DS009599	Circular	Pipe	90	0.013	3.48	2.52	2.50		1	0.3	0.2
BP_DMH001952	BP_DMH001952	BP_DMH001951	Circular	Pipe	93	0.013	2.43	2.35	2.00		1	0.3	0.7
BP_DMH001953	BP_DMH001953	BP_DMH001952	Circular	Pipe	200	0.013	2.65	2.43	2.00		1	0.3	0.2
BP_DMH001955	WP_DMH001954	BP_DMH001955	Circular	Pipe	140	0.013	0.50	0.40	2.50		1	0.3	0.2
BP_DMH001959	BP_DMH001955	BP_DMH001959	Circular	Pipe	213	0.013	0.40	0.35	2.50		1	0.3	0.2
BP_DMH001960	BP_DMH001960	BP_DMH001953	Circular	Pipe	260	0.013	2.90	2.65	2.00		1	0.3	0.2
BP_DMH001962	BP_DMH001959	BP_DMH001962	Circular	Pipe	193	0.013	0.35	0.30	2.50		1	0.3	0.2
BP_DMH001963	BP_DMH001963	BP_DMH001960	Circular	Pipe	228	0.013	3.20	2.90	1.50		1	0.3	0.2
BP_DMH001966	BP_DMH001962	BP_DMH001966	Circular	Pipe	317	0.013	0.30	0.20	2.50		1	0.3	0.2
BP_DMH001970_2	BP_DMH001970	LA_DMH001971	Circular	Pipe	75	0.013	0.00	-0.10	2.50		1	0.3	0.5
BP_DMH001988	BP_DMH001988	BP_DMH001990	Circular	Pipe	140	0.013	-1.36	-1.36	4.00		1	0.3	0.2
BP_DMH001990	BP_DMH001990	BP_DMH001992	Circular	Pipe	112	0.013	-1.36	-1.36	4.00		1	0.3	0.2
BP_DMH001992	BP_DMH001992	BP_DMH001994	Circular	Pipe	229	0.013	-1.36	-1.45	4.00		1	0.3	0.2
BP_DMH001994	BP_DMH001994	BP_DMH001996	Circular	Pipe	71	0.013	-1.45	-1.48	4.00		1	0.3	0.7
BP_DMH001996	BP_DMH001996	BP_DMH001997	Circular	Pipe	223	0.013	-1.58	-1.58	4.00		1	0.3	0.2
BP_DMH001997	BP_DMH001997	BP_DMH001998	Circular	Pipe	119	0.013	-1.58	-1.61	4.00		1	0.3	0.7
BP_DMH001998	BP_DMH001998	BP_DMH001999	Circular	Pipe	296	0.013	-1.71	-1.73	4.00		1	0.3	0.4
BP_DMH001999	BP_DMH001999	BP_DMH002000	Circular	Pipe	106	0.013	-1.83	-1.83	4.00		1	0.3	0.5
BP_DMH002000	BP_DMH002000	BP_DMH002001	Circular	Pipe	32	0.013	-1.93	-1.93	4.00		1	0.3	0.7
BP_DMH002001	BP_DMH002001	BP_DO000865	Circular	Pipe	27	0.013	-1.93	-2.00	4.00		1	0.3	1.0
BP_DMH002002	BP_DO000866	BP_DMH002002	Circular	Pipe	115	0.013	-2.30	-2.35	4.00		1	0.5	0.2
BP_DMH002003	BP_DMH002002	BP_DMH002003	Circular	Pipe	181	0.013	-2.35	-2.40	4.00		1	0.3	0.2
BP_DMH002004	BP_DMH002003	BP_DMH002004	Circular	Pipe	97	0.013	-2.40	-2.35	4.00		1	0.3	0.2
BP_DMH002005	BP_DMH002004	BP_DMH002005	Circular	Pipe	324	0.013	-2.50	-2.50	4.00		1	0.3	0.2
BP_DMH002006	BP_DMH002006	BP_DMH000112	Circular	Pipe	202	0.013	-0.10	-0.29	4.50		1	0.3	0.2
BP_DS002295	BP_DS002295	BP_DMH001997	Circular	Pipe	21	0.013	-1.00	-1.58	1.00		1	0.3	0.7
BP_DS002374	BP_DS002374	BP_FDG000022	Circular	Pipe	19	0.013	-1.40	-1.50	2.50		1	0.3	0.4
BP_DS002377	BP_DS002377	BP_DMH000131	Circular	Pipe	52	0.013	-1.70	-2.00	2.50		1	0.3	0.2
BP_DS002378	BP_DS002378	BP_DMH000764	Circular	Pipe	52	0.013	0.00	-0.50	1.50		1	0.3	0.7

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BP_DS002379	BP_DS002379	BP_DS002380	Circular	Pipe	21	0.013	-1.00	-1.10	2.00		1	0.3	0.2
BP_DS002380	BP_DS002380	BP_DS002374	Circular	Pipe	55	0.013	-1.10	-1.40	2.00		1	0.3	0.7
BP_DS006993	BP_DS006993	BP_DO000097	Circular	Pipe	78	0.013	2.50	2.00	4.00		1	0.5	0.5
BP_DS006997	BP_DS006997	BP_DMH000111	Circular	Pipe	14	0.013	3.00	2.50	1.25		1	0.3	0.7
BP_DS007009	BP_DS007009	BC_DMH000742	Circular	Pipe	75	0.013	3.50	3.32	1.25		4	0.3	0.7
BP_DS007011	BP_DS007011	BC_DMH000743	Circular	Pipe	75	0.013	4.10	4.02	1.25		3	0.3	0.7
BP_DS007020	BP_DS007020	BC_DMH000117	Circular	Pipe	80	0.013	0.50	0.22	1.25		2	0.3	0.7
BP_DS007032	BP_DS007032	BP_DMH000110	Circular	Pipe	90	0.013	0.00	-0.98	1.25		2	0.3	0.7
BP_DS007033	BP_DS007033	BP_DMH000762	Circular	Pipe	46	0.013	-1.00	-2.08	1.25		1	0.3	0.7
BP_DS007049	BP_DS007049	BC_DMH000826	Circular	Pipe	110	0.013	1.50	1.02	1.25		4	0.3	0.7
BP_DS007061	BP_DS007061	BC_DMH000145	Circular	Pipe	70	0.013	0.00	-0.58	1.25		1	0.3	0.7
BP_DS007065	BP_DS007065	BC_DMH000834	Circular	Pipe	70	0.013	1.00	0.72	1.25		1	0.3	0.7
BP_DS009589	BP_DS009589	BP_DMH001943	Circular	Pipe	14	0.013	2.20	2.15	1.50		1	0.3	0.2
BP_DS009600	BP_DS009600	BP_DMH001951	Circular	Pipe	45	0.013	2.50	2.35	1.50		2	0.3	0.2
BP_DS009605	BP_DS009605	BP_DMH001960	Circular	Pipe	12	0.013	3.00	2.90	1.50		2	0.3	0.7
BP_DS009625	BP_DS009625	LA_DMH001982	Circular	Pipe	51	0.013	-1.00	-1.00	2.50		1	0.3	0.7
BP_DS009627	BP_DS009627	BP_DS009626	Circular	Pipe	26	0.013	4.60	4.50	1.50		1	0.3	0.2
BP_DS009635	BP_DS009635	BP_DMH001992	Circular	Pipe	14	0.013	0.00	-1.36	1.50		4	0.3	0.7
BP_FDG000022	BP_FDG000022	BP_DS002377	Circular	Pipe	56	0.013	-1.50	-1.70	2.50		1	0.3	0.4
CH_AGE999869	CH_AGE999869	CH_AGE999686	Circular	Pipe	610	0.013	-0.90	-1.00	2.00		2	0.5	0.5
CH_DMH000007	CH_DMH000007	CH_DS002009	Circular	Pipe	312	0.024	-2.94	-3.00	3.00		1	0.3	0.7
CH_DMH000008	CH_DMH000008	CH_DMH000126	Circular	Pipe	340	0.024	-3.19	-3.58	3.50		1	0.3	0.2
CH_DMH000126	CH_DMH000126	CH_DS001533	Circular	Pipe	281	0.024	-3.08	-3.08	4.00		1	0.3	0.2
CH_DMH000608	CH_DMH000608	CH_DMH000609	Circular	Pipe	252	0.024	-1.97	-2.45	3.00		1	0.3	0.2
CH_DMH000609	CH_DMH000609	CH_DS002617	Circular	Pipe	125	0.024	-2.45	-2.70	3.00		1	0.3	0.2
CH_DMH000613	CH_DMH000613	CH_DMH000614	Circular	Pipe	207	0.024	-1.00	-1.50	2.00		1	0.3	0.2
CH_DMH000614	CH_DMH000614	CH_DMH000608	Circular	Pipe	192	0.024	-1.50	-1.97	3.00		1	0.3	0.2
CH_DMH000632	CH_DMH000632	CH_DMH000007	Circular	Pipe	318	0.024	-2.94	-2.94	3.00		1	0.3	0.2
CH_DS001529	CH_DS001529	CH_DS001530	Circular	Pipe	52	0.024	-3.24	-3.22	4.00		1	0.3	0.7
CH_DS001530	CH_DS001530	DW_DO000113	Circular	Pipe	60	0.024	-3.22	-4.00	4.00		1	0.3	0.5
CH_DS001531	CH_DS001531	CH_DS001530	Circular	Pipe	84	0.024	-3.08	-3.28	4.00		1	0.3	0.7
CH_DS001533	CH_DS001533	CH_DS001534	Circular	Pipe	171	0.024	-3.08	-3.62	4.00		1	0.3	0.2
CH_DS001534	CH_DS001534	CH_DS001529	Circular	Pipe	205	0.024	-3.75	-3.24	4.00		1	0.3	0.2
CH_DS002009	CH_DS002009	CH_DMH000008	Circular	Pipe	309	0.024	-3.00	-3.19	3.50		1	0.3	0.2
CH_DS002617	CH_DS002617	CH_DMH000632	Circular	Pipe	116	0.024	-2.70	-2.94	3.00		1	0.3	0.2
CH_DS004791	CH_DS004791	CH_DS004792	Circular	Pipe	300	0.024	0.50	0.00	1.25		1	0.3	0.2
CH_DS004792	CH_DS004792	CH_DMH000613	Circular	Pipe	326	0.024	0.00	-1.00	1.50		1	0.3	0.2
CH_DS007029	CH_DS007029b	CH_DS001529	Circular	Pipe	81	0.024	-3.00	-3.17	4.00		1	0.5	0.7
DW_DMH000001	DW_DMH000001	DW_DMH000125	Circular	Pipe	306	0.013	-2.52	-2.69	3.50		1	0.3	0.2
DW_DMH000002	DW_DMH000002	DW_DMH000003	Circular	Pipe	49	0.013	-1.22	-1.27	2.50		1	0.3	0.2
DW_DMH000003	DW_DMH000003	DW_DS002346	Circular	Pipe	233	0.013	-1.27	-1.40	2.50		1	0.3	0.2
DW_DMH000005	DW_DMH000005	CH_DS002009	Circular	Pipe	69	0.013	-2.89	-3.00	3.50		1	0.3	0.2
DW_DMH000011	DW_DMH000011	DW_DS001293	Circular	Pipe	220	0.013	-0.23	-0.44	2.50		1	0.3	0.2
DW_DMH000012	DW_DMH000012	DW_DMH000038	Circular	Pipe	277	0.013	-6.13	-6.27	8.00		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DMH000014	DW_DMH000014	DW_DMH000048	Circular	Pipe	246	0.013	-6.87	-7.07	8.00		1	0.3	0.2
DW_DMH000023	DW_DMH000023	DW_DMH000025	Circular	Pipe	68	0.013	-1.46	-1.49	3.00		1	0.3	0.2
DW_DMH000025	DW_DMH000025	DW_DMH000041	Circular	Pipe	175	0.013	-1.49	-1.64	3.00		1	0.3	0.2
DW_DMH000029	DW_DMH000029	DW_DMH000032	Circular	Pipe	223	0.013	-4.28	-3.86	3.50		1	0.3	0.2
DW_DMH000032	DW_DMH000032	DW_DMH000034	Circular	Pipe	250	0.013	-3.86	-3.96	4.00		1	0.3	0.2
DW_DMH000033	DW_DMH000033	DW_DMH000042	Circular	Pipe	108	0.013	-1.67	-1.87	3.00		1	0.3	0.2
DW_DMH000034	DW_DMH000034	DW_DS004176	Circular	Pipe	276	0.013	-3.96	-4.00	6.50		1	0.3	0.2
DW_DMH000038	DW_DMH000038	DW_DMH000040	Circular	Pipe	304	0.013	-6.27	-6.50	8.00		1	0.3	0.2
DW_DMH000039	DW_DMH000039	DW_FDG000005	Circular	Pipe	195	0.013	-1.00	-1.50	2.00		1	0.3	0.7
DW_DMH000040	DW_DMH000040	DW_FDG000007	Circular	Pipe	142	0.013	-6.50	-6.55	8.00		1	0.3	0.2
DW_DMH000041	DW_DMH000041	DW_DMH000033	Circular	Pipe	76	0.013	-0.86	-1.67	3.00		1	0.3	0.2
DW_DMH000042	DW_DMH000042	DW_DS009296	Circular	Pipe	107	0.013	-1.87	-2.00	3.00		1	0.3	0.2
DW_DMH000043	DW_DMH000043	DW_DMH000014	Circular	Pipe	382	0.013	-6.57	-6.87	8.00		1	0.3	0.2
DW_DMH000049	DW_DMH000049	DW_DS004180	Circular	Pipe	337	0.013	-1.73	-2.00	3.50		1	0.3	0.2
DW_DMH000050	DW_DMH000050	DW_FDG000008	Circular	Pipe	230	0.013	-5.84	-6.00	8.00		1	0.3	0.2
DW_DMH000052	DW_DMH000052	BC_DS009292	Circular	Pipe	119	0.024	-0.50	-1.00	1.50		1	0.3	0.2
DW_DMH000054	DW_DMH000054	DW_DS004190	Circular	Pipe	216	0.024	-3.86	-3.80	2.00		1	0.3	0.2
DW_DMH000061	DW_DMH000061	DW_DS001398	Circular	Pipe	110	0.024	-2.50	-2.96	3.50		1	0.3	0.5
DW_DMH000066	DW_DMH000066	DW_DS008715	Circular	Pipe	200	0.024	0.00	-0.05	1.50		1	0.3	0.5
DW_DMH000067	DW_DMH000067	BH_DMH000060	Circular	Pipe	431	0.024	2.00	1.86	1.00		1	0.3	0.7
DW_DMH000082	DW_DMH000082	BH_DMH000077	Circular	Pipe	88	0.024	1.50	1.42	2.00		1	0.3	0.7
DW_DMH000098	DW_DMH000098	DW_DS008714	Circular	Pipe	281	0.024	-1.50	-3.50	1.50		1	0.3	0.2
DW_DMH000121	DW_DMH000121	DW_DMH000124	Circular	Pipe	50	0.013	-1.65	-1.68	2.50		1	0.3	0.7
DW_DMH000122	DW_DMH000122	CH_DMH000126	Circular	Pipe	251	0.013	-0.96	-1.06	3.00		1	0.3	0.7
DW_DMH000123	DW_DMH000123	DW_DMH000122	Circular	Pipe	254	0.013	-0.86	-0.96	3.00		1	0.3	0.2
DW_DMH000124	DW_DMH000124	DW_DMH000001	Circular	Pipe	45	0.013	-1.68	-1.44	2.50		1	0.3	0.2
DW_DMH000125	DW_DMH000125	DW_DMH000005	Circular	Pipe	285	0.013	-2.69	-2.89	3.50		1	0.3	0.2
DW_DMH000601	DW_DMH000601	DW_DMH000602	Circular	Pipe	289	0.013	-1.24	-1.50	2.50		1	0.3	0.2
DW_DMH000602	DW_DMH000602	DW_DMH000603	Circular	Pipe	52	0.013	-2.72	-2.78	3.00		1	0.3	0.2
DW_DMH000603	DW_DMH000603	DW_DMH000605	Circular	Pipe	281	0.013	-2.78	-2.92	3.00		1	0.3	0.2
DW_DMH000604	DW_DMH000604	DW_DMH000601	Circular	Pipe	195	0.013	-1.00	-1.24	2.50		1	0.3	0.2
DW_DMH000605	DW_DMH000605	DW_DMH000606	Circular	Pipe	311	0.013	-2.92	-3.08	3.00		1	0.3	0.2
DW_DMH000606	DW_DMH000606	CH_DMH000614	Circular	Pipe	51	0.013	-3.08	-3.00	3.00		1	0.3	0.7
DW_DMH000646	DW_DMH000646	DW_DS001293	Circular	Pipe	22	0.013	0.00	-0.44	1.25		1	0.3	0.7
DW_DMH000672	DW_DMH000672	DW_DMH001879	Circular	Pipe	38	0.013	-5.82	-5.80	8.00		1	0.3	0.2
DW_DMH000674	DW_DMH000674	DW_DMH000675	Circular	Pipe	180	0.013	0.60	0.50	2.00		1	0.3	0.2
DW_DMH000675	DW_DMH000675	DW_DMH000686	Circular	Pipe	974	0.013	0.50	0.10	2.00		1	0.3	0.2
DW_DMH000686	DW_DMH000686	DW_DS000109	Circular	Pipe	231	0.013	0.10	0.00	2.00		1	0.3	1.4
DW_DMH001615	DW_DMH001615	DW_DS008665	Circular	Pipe	64	0.013	1.20	1.10	1.50		1	0.3	0.2
DW_DMH001616	DW_DMH001616	DW_DS007729	Circular	Pipe	10	0.013	0.20	0.10	1.50		1	0.3	0.2
DW_DMH001751	DW_DMH001751	DW_DS008994	Circular	Pipe	360	0.011	-1.02	-0.48	3.00		1	0.3	0.2
DW_DMH001752	DW_DMH001752	DW_DMH001751	Circular	Pipe	16	0.011	-0.58	-2.10	3.00		1	0.3	0.2
DW_DMH001753	DW_DMH001753	DW_DMH001752	Circular	Pipe	94	0.011	0.22	0.18	3.00		1	0.3	0.7
DW_DMH001754	DW_DMH001754	DW_DMH001753	Circular	Pipe	265	0.011	-0.13	0.56	2.50		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DMH001755	DW_DMH001755	DW_DMH001754	Circular	Pipe	373	0.011	-0.88	-0.06	2.50		1	0.3	0.2
DW_DMH001756	DW_DMH001756	DW_DMH001755	Circular	Pipe	182	0.011	-0.70	-0.20	2.50		1	0.3	0.2
DW_DMH001757	DW_DMH001757	DW_DMH001756	Circular	Pipe	343	0.011	0.96	0.33	2.00		1	0.3	0.2
DW_DMH001758	DW_DMH001758	DW_DMH001757	Circular	Pipe	75	0.011	0.47	0.71	2.00		1	0.3	0.2
DW_DMH001759	DW_DMH001759	DW_DMH001758	Circular	Pipe	189	0.011	0.41	0.41	2.00		1	0.3	0.2
DW_DMH001760	DW_DMH001760	DW_DMH001759	Circular	Pipe	277	0.011	0.50	0.41	1.00		1	0.3	0.2
DW_DMH001875	DW_DMH001875	BC_DO000049	Circular	Pipe	135	0.013	-3.60	-3.70	5.50		3	0.3	0.5
DW_DMH001879	DW_DMH001879	DW_FDG000243	Circular	Pipe	99	0.013	-5.80	-5.82	8.00		1	0.3	0.2
DW_DO000042	DW_DO000042	DW_DO000043	Circular	Pipe	45	0.013	-0.02	-0.18	1.25		1	0.5	1.0
DW_DO000046	DW_DO000046	DW_AGE999675	Circular	Pipe	460	0.013	-4.00	-4.00	6.00		1	0.5	1.0
DW_DO000048	DW_DO000048	DW_DMH001875	Circular	Pipe	274	0.024	-3.50	-3.60	5.50		3	0.5	0.2
DW_DS000018	DW_DS000018	DW_DMH000646	Circular	Pipe	32	0.013	0.50	0.00	1.25		1	0.3	0.5
DW_DS000090	DW_DS000090	DW_DMH000675	Circular	Pipe	421	0.013	0.60	0.50	2.00		1	0.3	1.4
DW_DS000100	DW_DS000100	DW_DS000090	Circular	Pipe	398	0.013	0.70	0.60	2.00		1	0.3	0.5
DW_DS000109	DW_DS000109	DW_DS000126	Circular	Pipe	180	0.013	0.00	-0.50	2.00		1	0.3	0.2
DW_DS000122	DW_DS000122	DW_DS000109	Circular	Pipe	1,709	0.013	0.50	0.00	2.00		1	0.3	0.2
DW_DS000130	DW_DS000130	DW_DS000100	Circular	Pipe	604	0.013	0.80	0.70	2.00		1	0.3	0.6
DW_DS000275	DW_DS000275	DW_NID10095	Circular	Pipe	50	0.013	2.50	2.38	1.00		1	0.3	0.2
DW_DS001279	DW_DS001279	DW_DMH000002	Circular	Pipe	66	0.013	-0.10	-0.22	1.25		1	0.3	0.7
DW_DS001283	DW_DS001283	DW_DMH000122	Circular	Pipe	28	0.013	-0.50	-0.96	1.25		1	0.3	0.7
DW_DS001284	DW_DS001284	DW_DMH000005	Circular	Pipe	57	0.013	-2.50	-2.89	1.25		1	0.3	0.7
DW_DS001288	DW_DS001288	DW_DS001322	Circular	Pipe	388	0.013	0.50	0.10	1.50		1	0.3	0.2
DW_DS001289	DW_DS001289	DW_DMH000123	Circular	Pipe	29	0.013	-0.50	-0.86	1.25		1	0.3	0.7
DW_DS001290	DW_DS001290	DW_DMH000002	Circular	Pipe	188	0.013	0.00	-0.22	1.50		1	0.3	0.7
DW_DS001292	DW_DS001292	DW_DS001293	Circular	Pipe	34	0.013	0.00	-0.44	1.25		1	0.3	0.7
DW_DS001293	DW_DS001293	DW_DMH000123	Circular	Pipe	286	0.013	-0.44	-0.66	2.50		1	0.3	0.2
DW_DS001295	DW_DS001295	DW_DS001342	Circular	Pipe	177	0.013	0.91	0.38	2.00		1	0.3	0.2
DW_DS001297	DW_DS001297	DW_DS001305	Circular	Pipe	45	0.013	0.91	0.85	2.00		1	0.3	0.2
DW_DS001299	DW_DS001299	DW_DS001306	Circular	Pipe	58	0.013	0.83	0.70	2.00		1	0.3	0.2
DW_DS001305	DW_DS001305	DW_DS001334	Circular	Pipe	194	0.013	0.85	0.60	2.00		1	0.3	0.2
DW_DS001306	DW_DS001306	DW_DS004173	Circular	Pipe	194	0.013	0.45	0.21	2.00		1	0.3	0.2
DW_DS001309	DW_DS001309	DW_DMH000011	Circular	Pipe	37	0.013	0.65	0.17	2.00		1	0.3	0.5
DW_DS001313	DW_DS001313	DW_DS001320	Circular	Pipe	223	0.024	0.00	-1.00	1.50		1	0.3	0.2
DW_DS001315	DW_DS001315	DW_DO000042	Circular	Pipe	135	0.013	-1.00	-2.00	2.00		1	0.3	1.0
DW_DS001317	DW_DS001317	DW_DS001315	Circular	Pipe	46	0.013	-0.80	-1.00	1.50		1	0.3	0.5
DW_DS001319	DW_DS001319	DW_DO000042	Circular	Pipe	137	0.024	-0.90	-2.00	2.00		1	0.3	1.0
DW_DS001320	DW_DS001320	DW_DS001319	Circular	Pipe	37	0.024	-1.00	-0.90	1.50		1	0.3	0.2
DW_DS001322	DW_DS001322	DW_DMH000023	Circular	Pipe	58	0.013	0.10	0.00	1.50		1	0.3	0.7
DW_DS001326	DW_DS001326	BC_DMH001749	Circular	Pipe	59	0.013	-0.50	-1.00	1.25		1	0.3	0.7
DW_DS001327	DW_DS001327	DW_DS006980	Circular	Pipe	197	0.013	0.00	-1.00	1.25		1	0.3	0.2
DW_DS001328	DW_DS001328	DW_DMH000025	Circular	Pipe	32	0.013	-1.00	-1.49	1.00		1	0.3	0.7
DW_DS001330	DW_DS001330	DW_DS001295	Circular	Pipe	52	0.013	0.79	0.91	2.00		1	0.3	0.2
DW_DS001334	DW_DS001334	DW_DMH000029	Circular	Pipe	76	0.013	0.60	-4.28	2.00		1	0.3	0.7
DW_DS001335	DW_DS001335	DW_DS001297	Circular	Pipe	211	0.013	1.15	0.91	2.00		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS001336	DW_DS001336	DW_DMH000033	Circular	Pipe	35	0.025	-1.50	-1.67	1.50		2	0.3	0.7
DW_DS001340	DW_DS001340	DW_DS001334	Circular	Pipe	48	0.013	1.00	0.60	1.25		1	0.3	0.7
DW_DS001341	DW_DS001341	DW_DS001299	Circular	Pipe	197	0.013	1.00	0.83	1.75		1	0.3	0.2
DW_DS001342	DW_DS001342	DW_DMH000672	Circular	Pipe	93	0.013	0.38	0.00	2.00		1	0.3	0.7
DW_DS001343	DW_DS001343	DW_DS001342	Circular	Pipe	34	0.013	0.50	0.38	1.25		2	0.3	0.7
DW_DS001344	DW_DS001344	DW_FDG000243	Circular	Pipe	57	0.013	1.50	1.00	1.25		2	0.3	0.7
DW_DS001345	DW_DS001345	DW_DS001341	Circular	Pipe	58	0.013	1.10	1.00	1.50		1	0.3	0.2
DW_DS001347	DW_DS001347	DW_DMH000041	Circular	Pipe	60	0.013	-0.70	-0.86	1.25		1	0.3	0.7
DW_DS001349	DW_DS001349	DW_DS006949	Circular	Pipe	218	0.013	2.50	2.30	1.25		1	0.3	0.2
DW_DS001350	DW_DS001350	DW_DS001330	Circular	Pipe	196	0.013	1.00	0.79	2.00		1	0.3	0.2
DW_DS001352	DW_DS001352	DW_DMH000052	Circular	Pipe	227	0.024	0.00	-0.50	1.25		1	0.3	0.2
DW_DS001353	DW_DS001353	DW_DS001358	Circular	Pipe	51	0.024	-2.19	-2.22	3.00		1	0.3	0.2
DW_DS001354	DW_DS001354	DW_DMH000672	Circular	Pipe	47	0.013	-2.50	-2.60	3.00		1	0.3	0.7
DW_DS001355	DW_DS001355	DW_FDG000008	Circular	Pipe	62	0.024	0.04	0.00	2.00		1	0.3	0.7
DW_DS001357	DW_DS001357	DW_DS001355	Circular	Pipe	407	0.024	0.50	0.04	1.75		1	0.3	0.2
DW_DS001358	DW_DS001358	DW_DS001354	Circular	Pipe	431	0.024	-2.22	-2.50	3.00		1	0.3	0.2
DW_DS001359	DW_DS001359	DW_FDG000007	Circular	Pipe	223	0.013	0.50	0.00	1.50		1	0.3	0.7
DW_DS001362	DW_DS001362	DW_DS001364	Circular	Pipe	66	0.024	-2.03	-2.06	3.00		1	0.3	0.2
DW_DS001363_1	DW_DS001363	DW_NID10080	Circular	Pipe	408	0.024	0.06	-3.50	3.50		1	0.3	0.2
DW_DS001363_2	DW_NID10080	BC_DO000070	Circular	Pipe	88	0.024	-3.50	-4.00	3.50		1	0.3	1.0
DW_DS001364	DW_DS001364	DW_DS001353	Circular	Pipe	203	0.024	-2.06	-2.19	3.00		1	0.3	0.2
DW_DS001365	DW_DS001365	BC_DO000068	Circular	Pipe	133	0.024	-3.00	-3.20	2.50		1	0.3	1.0
DW_DS001367	DW_DS001367	DW_DS001368	Circular	Pipe	66	0.024	-0.77	-0.81	2.00		1	0.3	0.2
DW_DS001368	DW_DS001368	DW_DS001362	Circular	Pipe	196	0.024	-0.81	-1.03	2.00		1	0.3	0.2
DW_DS001371	DW_DS001371	DW_DS001375	Circular	Pipe	66	0.024	-0.50	0.15	2.00		1	0.3	0.2
DW_DS001373	DW_DS001373	DW_DS001371	Circular	Pipe	198	0.024	-0.27	-0.50	2.00		1	0.3	0.2
DW_DS001375	DW_DS001375	DW_DS001367	Circular	Pipe	194	0.024	0.15	-0.77	2.00		1	0.3	0.2
DW_DS001379	DW_DS001379	DW_DS001385	Circular	Pipe	57	0.024	-1.40	-1.50	1.50		1	0.3	0.2
DW_DS001380	DW_DS001380	DW_DMH000061	Circular	Pipe	151	0.024	-2.00	-2.50	1.75		1	0.3	0.5
DW_DS001382	DW_DS001382	DW_DS001387	Circular	Pipe	198	0.024	0.30	0.00	1.25		1	0.3	0.2
DW_DS001385	DW_DS001385	DW_DS001393	Circular	Pipe	195	0.024	-1.50	-1.90	1.75		1	0.3	0.2
DW_DS001387	DW_DS001387	DW_DS001373	Circular	Pipe	66	0.024	0.00	-0.27	1.50		1	0.3	0.2
DW_DS001393	DW_DS001393	DW_DS001380	Circular	Pipe	56	0.024	-1.90	-2.00	1.75		1	0.3	0.2
DW_DS001395	DW_DS001395	DW_DS001398	Circular	Pipe	39	0.024	-0.50	-0.60	1.25		1	0.3	0.7
DW_DS001398	DW_DS001398	DW_DS001363	Circular	Pipe	538	0.024	-2.96	0.06	3.50		1	0.3	0.2
DW_DS001400	DW_DS001400	DW_DS001405	Circular	Pipe	38	0.024	1.70	1.60	1.00		1	0.3	0.7
DW_DS001403	DW_DS001403	DW_DO000071	Circular	Pipe	37	0.013	0.00	-1.00	1.50		1	0.3	1.0
DW_DS001405	DW_DS001405	DW_DMH000082	Circular	Pipe	181	0.024	1.60	1.50	1.25		1	0.3	0.2
DW_DS001406	DW_DS001406	BH_DMH000069	Circular	Pipe	48	0.020	2.10	2.00	1.00		5	0.3	0.7
DW_DS001433	DW_DS001433	BH_DMH000100	Circular	Pipe	43	0.024	0.50	0.20	1.00		1	0.3	0.7
DW_DS001515	DW_DS001515	CH_DS001531	Circular	Pipe	33	0.024	0.00	-0.08	1.00		1	0.3	0.7
DW_DS001516	DW_DS001516	DW_DO000110	Circular	Pipe	50	0.024	-1.00	-1.50	1.50		1	0.3	1.0
DW_DS001518	DW_DS001518	DW_DS001521	Circular	Pipe	192	0.013	-0.50	-1.00	1.25		1	0.3	0.2
DW_DS001521	DW_DS001521	DW_DS001526	Circular	Pipe	75	0.013	-1.00	-1.10	1.25		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS001525	DW_DS001525	DW_DS001279	Circular	Pipe	180	0.013	0.00	-0.10	1.25		1	0.3	0.2
DW_DS001526	DW_DS001526	DW_DMH000124	Circular	Pipe	195	0.013	-1.10	-1.50	1.25		1	0.3	0.7
DW_DS002014	DW_DS002014	DW_DMH000121	Circular	Pipe	220	0.013	-0.20	-0.68	1.50		1	0.3	0.2
DW_DS002018	DW_DS002018	DW_DS002081	Circular	Pipe	80	0.013	1.50	1.40	1.25		3	0.3	0.7
DW_DS002028	DW_DS002028	DW_DS002354	Circular	Pipe	269	0.013	0.50	0.00	1.50		1	0.3	0.2
DW_DS002031	DW_DS002031	DW_DO000041	Circular	Pipe	37	0.013	0.00	-1.00	1.50		1	0.3	1.0
DW_DS002032	DW_DS002032	DW_AGE999675	Circular	Pipe	60	0.013	-2.76	-3.00	2.00		1	0.3	0.5
DW_DS002045	DW_DS002045	DW_DS002032	Circular	Pipe	338	0.013	-0.77	-2.76	2.00		1	0.3	0.7
DW_DS002052	DW_DS002052	DW_DS002061	Circular	Pipe	76	0.013	0.10	0.00	1.25		1	0.3	0.2
DW_DS002053	DW_DS002053	DW_DS002068	Circular	Pipe	69	0.013	0.00	-0.50	1.25		1	0.3	0.6
DW_DS002067	DW_DS002067	DW_DO000046	Circular	Pipe	119	0.013	-1.00	-2.00	1.25		1	0.3	1.0
DW_DS002068	DW_DS002068	DW_DS002067	Circular	Pipe	70	0.013	-0.50	-1.00	1.25		1	0.3	0.5
DW_DS002076	DW_DS002076	DW_DMH000038	Circular	Pipe	54	0.013	0.50	0.00	1.25		1	0.3	0.5
DW_DS002081	DW_DS002081	DW_DS006964	Circular	Pipe	336	0.013	1.40	0.00	1.50		1	0.3	0.2
DW_DS002082	DW_DS002082	DW_DMH000050	Circular	Pipe	43	0.013	1.50	1.00	1.25		1	0.3	0.7
DW_DS002085	DW_DS002085	DW_DMH000048	Circular	Pipe	50	0.013	-1.50	-2.00	1.25		2	0.3	0.7
DW_DS002089	DW_DS002089	DW_DO000066	Circular	Pipe	26	0.011	0.00	-1.00	0.67		1	0.3	1.0
DW_DS002090	DW_DS002090	DW_DS004181	Circular	Pipe	62	0.024	-1.70	-1.77	1.75		1	0.3	0.7
DW_DS002091	DW_DS002091	DW_DS004197	Circular	Pipe	204	0.011	-1.00	-1.30	1.00		1	0.3	0.2
DW_DS002102	DW_DS002102	DW_DO000069	Circular	Pipe	32	0.024	0.00	-1.50	1.33		1	0.3	1.0
DW_DS002103	DW_DS002103	BC_DO000797	Circular	Pipe	114	0.013	-1.00	-1.50	1.00		1	0.3	1.0
DW_DS002115	DW_DS002115	BH_DMH000083	Circular	Pipe	54	0.024	4.10	4.02	1.25		1	0.3	0.6
DW_DS002119	DW_DS002119	BH_DMH000102	Circular	Pipe	48	0.024	1.50	1.10	1.25		1	0.3	0.7
DW_DS002128	DW_DS002128	BH_DMH000065	Circular	Pipe	39	0.013	2.20	2.10	1.00		1	0.3	0.7
DW_DS002132	DW_DS002132	DW_DMH000067	Circular	Pipe	15	0.024	2.10	2.00	1.00		1	0.3	0.7
DW_DS002133	DW_DS002133	DW_DMH000067	Circular	Pipe	41	0.024	2.10	2.00	1.00		1	0.3	0.7
DW_DS002152	DW_DS002152	BH_DMH000088	Circular	Pipe	43	0.024	1.00	0.80	1.00		1	0.3	0.7
DW_DS002346	DW_DS002346	DW_DMH000121	Circular	Pipe	242	0.013	-1.40	-1.65	2.50		1	0.3	0.7
DW_DS002347	DW_DS002347	DW_DO000111	Circular	Pipe	48	0.013	2.38	1.64	1.25		1	0.3	1.0
DW_DS002348	DW_DS002348	DW_DO000112	Circular	Pipe	48	0.013	1.79	1.00	1.25		1	0.3	1.0
DW_DS002349	DW_DS002349	DW_DS002348	Circular	Pipe	53	0.013	2.00	1.79	1.25		1	0.3	0.2
DW_DS002354	DW_DS002354	DW_DS002014	Circular	Pipe	54	0.013	0.00	-0.20	1.50		1	0.3	0.2
DW_DS002524	DW_DS002524	DW_DMH000605	Circular	Pipe	38	0.013	-2.50	-2.92	1.00		2	0.3	0.7
DW_DS002543	DW_DS002543	DW_DS002545	Circular	Pipe	205	0.013	-0.54	-0.96	2.00		1	0.3	0.2
DW_DS002544	DW_DS002544	DW_DS002553	Circular	Pipe	69	0.013	-0.23	-0.29	2.00		1	0.3	0.2
DW_DS002545	DW_DS002545	DW_DS002554	Circular	Pipe	60	0.013	-0.96	-1.08	2.00		1	0.3	0.2
DW_DS002549	DW_DS002549	DW_DS002553	Circular	Pipe	34	0.013	-0.20	-0.29	1.50		1	0.3	0.5
DW_DS002553	DW_DS002553	DW_DMH000604	Circular	Pipe	205	0.013	-0.29	-0.50	2.00		1	0.3	0.7
DW_DS002554	DW_DS002554	DW_DMH000602	Circular	Pipe	210	0.013	-1.08	-1.50	2.00		1	0.3	0.7
DW_DS002555	DW_DS002555	DW_DMH000604	Circular	Pipe	51	0.013	-0.40	-0.50	1.25		1	0.3	0.4
DW_DS002559	DW_DS002559	DW_DMH000604	Circular	Pipe	44	0.013	-0.40	-0.50	1.50		1	0.3	0.7
DW_DS002560	DW_DS002560	DW_DMH000602	Circular	Pipe	47	0.013	-1.40	-1.50	1.25		1	0.3	0.7
DW_DS002562	DW_DS002562	DW_DS002559	Circular	Pipe	206	0.013	-0.20	-0.40	1.50		1	0.3	0.2
DW_DS002563	DW_DS002563	DW_DS002560	Circular	Pipe	206	0.013	-1.00	-1.40	1.25		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS004172	DW_DS004172	DW_DMH000032	Circular	Pipe	55	0.013	-1.00	-1.50	1.25		1	0.3	0.7
DW_DS004173	DW_DS004173	DW_DMH000034	Circular	Pipe	61	0.013	0.21	0.00	2.00		1	0.3	0.7
DW_DS004175	DW_DS004175	DW_DS004176	Circular	Pipe	67	0.013	0.50	0.00	1.25		1	0.3	0.7
DW_DS004176	DW_DS004176	DW_FDG000244	Circular	Pipe	308	0.013	-4.00	-4.10	6.50		1	0.3	0.2
DW_DS004177	DW_DS004177	DW_FDG000244	Circular	Pipe	47	0.013	0.50	0.00	1.25		2	0.3	0.7
DW_DS004180	DW_DS004180	DW_DMH000034	Circular	Pipe	70	0.013	-2.00	-2.10	3.50		1	0.3	0.7
DW_DS004181	DW_DS004181	DW_DS004188	Circular	Pipe	63	0.024	-1.77	-1.83	2.50		1	0.3	0.2
DW_DS004183	DW_DS004183	DW_DMH000049	Circular	Pipe	347	0.024	-1.45	-1.73	3.50		1	0.3	0.2
DW_DS004184	DW_DS004184	DW_DS004183	Circular	Pipe	44	0.024	-1.42	-1.45	3.50		1	0.3	0.7
DW_DS004185	DW_DS004185	DW_DS001365	Circular	Pipe	398	0.024	-2.45	-3.00	2.50		1	0.3	0.2
DW_DS004187	DW_DS004187	DW_DS004208	Circular	Pipe	61	0.024	-0.43	-0.47	3.00		1	0.3	0.2
DW_DS004188	DW_DS004188	DW_DS004185	Circular	Pipe	493	0.024	-1.83	-2.45	2.50		1	0.3	0.2
DW_DS004189	DW_DS004189	DW_DMH000054	Circular	Pipe	260	0.024	-0.16	-3.86	2.00		1	0.3	0.2
DW_DS004190	DW_DS004190	DW_DS004191	Circular	Pipe	35	0.024	-0.60	-0.57	2.00		1	0.3	0.7
DW_DS004191	DW_DS004191	DW_DS004196	Circular	Pipe	54	0.024	-1.16	-1.21	3.50		1	0.3	0.2
DW_DS004193	DW_DS004193	DW_DS004181	Circular	Pipe	203	0.024	-1.50	-1.77	1.50		1	0.3	0.7
DW_DS004196	DW_DS004196	DW_DS004184	Circular	Pipe	290	0.024	-1.21	-1.42	3.50		1	0.3	0.7
DW_DS004200	DW_DS004200	DW_DS004205	Circular	Pipe	475	0.024	0.50	0.00	1.75		1	0.3	0.2
DW_DS004205	DW_DS004205	DW_DS004206	Circular	Pipe	35	0.024	0.00	-0.28	1.75		1	0.3	0.7
DW_DS004206	DW_DS004206	DW_DS004187	Circular	Pipe	206	0.024	-0.28	-0.43	3.00		1	0.3	0.2
DW_DS004208	DW_DS004208	DW_DS004191	Circular	Pipe	207	0.024	-0.47	-0.66	3.00		1	0.3	0.2
DW_DS004210	DW_DS004210	DW_DS002090	Circular	Pipe	195	0.024	-1.50	-1.70	1.50		1	0.3	0.2
DW_DS004214	DW_DS004214	DW_DS004215	Circular	Pipe	197	0.024	0.90	0.60	1.25		1	0.3	0.2
DW_DS004215	DW_DS004215	DW_DS004200	Circular	Pipe	50	0.024	0.60	0.50	1.25		1	0.3	0.7
DW_DS004216	DW_DS004216	DW_DS004214	Circular	Pipe	34	0.024	1.00	0.90	1.00		1	0.3	0.6
DW_DS004218	DW_DS004218	BH_DMH000063	Circular	Pipe	40	0.013	3.00	2.92	1.25		2	0.3	0.7
DW_DS004281	DW_DS004281	DW_FDG000160	Circular	Pipe	183	0.011	0.80	0.60	1.00		1	0.3	0.5
DW_DS004784	DW_DS004784	CH_DMH000613	Circular	Pipe	32	0.024	-0.90	-1.00	1.00		1	0.3	0.7
DW_DS004786	DW_DS004786	CH_DS004791	Circular	Pipe	33	0.024	0.60	0.50	1.00		1	0.3	0.7
DW_DS006938	DW_DS006938	BC_DS006939	Circular	Pipe	92	0.013	2.50	2.10	1.25		1	0.3	0.2
DW_DS006940	DW_DS006940	DW_DMH000012	Circular	Pipe	62	0.013	0.50	0.00	1.25		1	0.3	0.7
DW_DS006944	DW_DS006944	BC_DS006947	Circular	Pipe	91	0.013	2.70	2.60	1.25		1	0.3	0.2
DW_DS006946	DW_DS006946	BC_DS006945	Circular	Pipe	102	0.013	2.80	2.70	1.25		1	0.3	0.7
DW_DS006948	DW_DS006948	BC_DS006960	Circular	Pipe	114	0.013	3.20	3.00	1.25		1	0.3	0.2
DW_DS006949	DW_DS006949	BC_DS006952	Circular	Pipe	102	0.013	2.30	2.20	1.25		1	0.3	0.7
DW_DS006951	DW_DS006951	BC_DS006950	Circular	Pipe	91	0.013	2.30	2.10	1.25		1	0.3	0.2
DW_DS006953	DW_DS006953	BC_DS006956	Circular	Pipe	103	0.013	2.50	2.20	1.25		1	0.3	0.7
DW_DS006954	DW_DS006954	BC_DS006955	Circular	Pipe	106	0.013	2.70	2.50	1.25		1	0.3	0.6
DW_DS006958	DW_DS006958	DW_DMH000029	Circular	Pipe	51	0.013	-1.00	-1.50	1.25		1	0.3	0.7
DW_DS006961	DW_DS006961	BC_DS006959	Circular	Pipe	103	0.013	-0.50	-0.90	1.25		1	0.3	0.2
DW_DS006962	DW_DS006962	DW_DMH000032	Circular	Pipe	55	0.013	-1.00	-1.50	1.25		2	0.3	0.7
DW_DS006964	DW_DS006964	DW_DMH000039	Circular	Pipe	312	0.013	0.00	-1.00	2.00		1	0.3	0.2
DW_DS006966	DW_DS006966	DW_DMH000040	Circular	Pipe	63	0.013	0.50	0.00	1.25		1	0.3	0.7
DW_DS006967	DW_DS006967	DW_DS002081	Circular	Pipe	127	0.013	1.50	1.40	1.25		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS006970	DW_DS006970	BC_DS001321	Circular	Pipe	91	0.013	-2.50	-3.00	1.50		1	0.3	0.7
DW_DS006971	DW_DS006971	DW_DMH000048	Circular	Pipe	50	0.013	-1.50	-2.00	1.25		2	0.3	0.7
DW_DS006974	DW_DS006974	BC_DS006975	Circular	Pipe	104	0.013	2.20	2.10	1.25		1	0.3	0.2
DW_DS006977	DW_DS006977	BC_DS006976	Circular	Pipe	110	0.013	0.00	-1.00	1.25		1	0.3	0.2
DW_DS006978	DW_DS006978	BC_DS006979	Circular	Pipe	91	0.013	0.50	0.20	1.25		1	0.3	0.2
DW_DS006980	DW_DS006980	BC_DO000061	Circular	Pipe	262	0.013	-1.00	-2.00	1.25		1	0.3	1.0
DW_DS006982	DW_DS006982	BC_DS006981	Circular	Pipe	103	0.013	1.50	1.10	1.25		1	0.3	0.2
DW_DS006983	DW_DS006983	BC_DS007064	Circular	Pipe	92	0.013	2.00	1.50	1.25		1	0.3	0.7
DW_DS006984	DW_DS006984	BC_DS009286	Circular	Pipe	91	0.013	2.00	1.60	1.25		1	0.3	0.2
DW_DS006986	DW_DS006986	BC_DS009287	Circular	Pipe	91	0.013	0.50	0.00	1.25		1	0.3	0.4
DW_DS007721	DW_DS007721	DW_DS001315	Circular	Pipe	127	0.024	-0.50	-1.00	1.50		1	0.3	0.7
DW_DS007723	DW_DS007723	DW_DS007721	Circular	Pipe	112	0.024	0.00	-0.50	1.50		1	0.3	0.2
DW_DS007725	DW_DS007725	DW_DS001317	Circular	Pipe	128	0.024	-0.50	-0.80	1.50		1	0.3	0.4
DW_DS007726	DW_DS007726	DW_DS007725	Circular	Pipe	29	0.024	-0.40	-0.50	1.50		1	0.3	0.7
DW_DS007727	DW_DS007727	DW_DS007726	Circular	Pipe	151	0.024	-0.20	-0.40	1.50		1	0.3	0.7
DW_DS007728	DW_DS007728	DW_DS007727	Circular	Pipe	111	0.024	0.00	-0.20	1.50		1	0.3	0.2
DW_DS007729	DW_DS007729	DW_DS007728	Circular	Pipe	72	0.024	0.10	0.00	1.50		1	0.3	0.2
DW_DS007730	DW_DS007730	DW_FDG000159	Circular	Pipe	22	0.024	0.40	0.30	1.50		1	0.3	0.5
DW_DS007731	DW_DS007731	DW_DS007730	Circular	Pipe	37	0.024	0.50	0.40	1.50		1	0.3	0.5
DW_DS007838	DW_DS007838	DW_DS007840	Circular	Pipe	102	0.013	0.25	-1.06	2.00		1	0.5	0.5
DW_DS008228	DW_DS008228	DW_DS008229	Circular	Pipe	183	0.024	1.00	0.80	1.50		1	0.3	0.2
DW_DS008229	DW_DS008229	DW_DS008231	Circular	Pipe	259	0.024	0.80	0.50	1.50		1	0.3	0.2
DW_DS008230	DW_DS008230	DW_DS008229	Circular	Pipe	24	0.024	1.00	0.80	1.25		1	0.3	0.7
DW_DS008231	DW_DS008231	DW_DS008233	Circular	Pipe	75	0.024	0.50	-0.53	2.00		1	0.3	0.2
DW_DS008232	DW_DS008232	DW_DS008231	Circular	Pipe	25	0.024	1.00	0.50	1.25		1	0.3	0.7
DW_DS008233	DW_DS008233	DW_DS008234	Circular	Pipe	196	0.024	-1.24	-1.34	2.00		1	0.3	0.2
DW_DS008234	DW_DS008234	DW_DS008236	Circular	Pipe	256	0.024	-1.34	-1.26	2.00		1	0.3	0.2
DW_DS008235	DW_DS008235	DW_DS008234	Circular	Pipe	29	0.024	-1.00	-1.34	1.25		1	0.3	0.7
DW_DS008236	DW_DS008236	DW_DS008238	Circular	Pipe	270	0.024	-1.37	-1.11	2.00		1	0.3	0.2
DW_DS008238	DW_DS008238	DW_DS008239	Circular	Pipe	58	0.024	-1.20	-1.20	2.50		1	0.3	0.2
DW_DS008239	DW_DS008239	DW_DS008241	Circular	Pipe	263	0.024	-1.12	-1.39	2.50		1	0.3	0.2
DW_DS008241	DW_DS008241	DW_DS008243	Circular	Pipe	205	0.024	-1.35	-1.35	2.50		1	0.3	0.5
DW_DS008243	DW_DS008243	DW_DS008244	Circular	Pipe	51	0.024	-1.35	-1.41	2.50		1	0.3	0.2
DW_DS008244	DW_DS008244	DW_FDG000165	Circular	Pipe	86	0.013	-1.01	-2.00	3.50		1	0.3	0.2
DW_DS008382	DW_DS008382	DW_DS008384	Circular	Pipe	373	0.024	-1.00	-1.50	1.25		1	0.3	0.2
DW_DS008384	DW_DS008384	DW_DS008386	Circular	Pipe	146	0.024	-1.50	-1.80	1.50		1	0.3	0.2
DW_DS008385	DW_DS008385	DW_DS008384	Circular	Pipe	32	0.024	-1.00	-1.50	1.25		1	0.3	0.2
DW_DS008386	DW_DS008386	DW_DO000777	Circular	Pipe	19	0.024	-1.80	-2.00	1.50		1	0.3	0.2
DW_DS008662	DW_DS008662	DW_DMH001615	Circular	Pipe	41	0.013	1.30	1.20	1.50		1	0.5	0.2
DW_DS008665	DW_DS008665	DW_DS008666	Circular	Pipe	75	0.013	1.10	1.00	1.50		1	0.3	0.7
DW_DS008666	DW_DS008666	DW_DS008667	Circular	Pipe	29	0.013	1.00	0.90	1.50		1	0.3	0.7
DW_DS008667	DW_DS008667	DW_DS008668	Circular	Pipe	142	0.013	0.90	0.80	1.50		1	0.3	0.2
DW_DS008668	DW_DS008668	DW_DS008670	Circular	Pipe	167	0.013	0.80	0.70	1.50		1	0.3	0.7
DW_DS008670	DW_DS008670	DW_DS008671	Circular	Pipe	31	0.013	0.70	0.60	1.50		1	0.3	0.7

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS008671	DW_DS008671	DW_DS008672	Circular	Pipe	81	0.013	0.60	0.50	1.50		1	0.3	0.6
DW_DS008672	DW_DS008672	DW_DS008673	Circular	Pipe	34	0.013	0.50	0.40	1.50		1	0.3	0.6
DW_DS008673	DW_DS008673	DW_DMH001616	Circular	Pipe	100	0.013	0.40	0.20	1.50		1	0.3	0.2
DW_DS008678	DW_DS008678	DW_DS008679	Circular	Pipe	62	0.013	1.80	1.70	1.25		1	0.3	0.5
DW_DS008679	DW_DS008679	DW_DS008680	Circular	Pipe	33	0.013	1.70	1.60	1.25		1	0.3	0.5
DW_DS008680	DW_DS008680	DW_DS008681	Circular	Pipe	301	0.024	1.60	1.50	1.25		1	0.3	0.2
DW_DS008681	DW_DS008681	DW_DS008682	Circular	Pipe	118	0.024	1.50	1.40	1.25		1	0.3	0.2
DW_DS008682	DW_DS008682	DW_DS008683	Circular	Pipe	155	0.024	1.40	1.30	1.25		1	0.3	0.2
DW_DS008683	DW_DS008683	DW_DMH001615	Circular	Pipe	31	0.024	1.30	1.20	1.25		1	0.3	0.7
DW_DS008714	DW_DS008714	DW_NID10080	Circular	Pipe	15	0.024	-3.40	-3.50	1.50		1	0.3	0.7
DW_DS008715	DW_DS008715	DW_DS001395	Circular	Pipe	54	0.024	-0.05	-0.50	2.50		1	0.3	0.7
DW_DS008990	DW_DS008990	DW_DS008244	Circular	Pipe	80	0.011	-0.87	-1.01	3.00		1	0.3	0.5
DW_DS008991	DW_DS008991	DW_DS008990	Circular	Pipe	30	0.011	-0.72	-0.73	3.00		1	0.3	0.7
DW_DS008992	DW_DS008992	DW_DS008991	Circular	Pipe	429	0.011	-0.48	-0.63	3.00		1	0.3	0.7
DW_DS008994	DW_DS008994	DW_DS008992	Circular	Pipe	312	0.011	-0.64	-0.55	3.00		1	0.3	0.2
DW_DS008998	DW_DS008998	DW_DMH001753	Circular	Pipe	10	0.009	0.50	0.22	1.50		1	0.3	0.7
DW_DS008999	DW_DS008999	DW_DMH001753	Circular	Pipe	23	0.011	0.50	0.22	1.50		1	0.3	0.7
DW_DS009006	DW_DS009006	DW_DMH001757	Circular	Pipe	10	0.011	1.00	0.96	1.50		2	0.3	0.7
DW_DS009007	DW_DS009007	DW_DMH001757	Circular	Pipe	22	0.011	1.00	0.96	1.50		1	0.3	0.7
DW_DS009009	DW_DS009009	DW_DMH001758	Circular	Pipe	23	0.011	1.00	0.47	1.50		1	0.3	0.7
DW_DS009010	DW_DS009010	DW_DMH001759	Circular	Pipe	41	0.011	0.50	0.41	1.50		1	0.3	0.6
DW_DS009011	DW_DS009011	DW_DS009010	Circular	Pipe	35	0.011	0.60	0.50	1.50		1	0.3	0.4
DW_DS009012	DW_DS009012	DW_DMH001759	Circular	Pipe	29	0.011	0.50	0.41	1.50		1	0.3	0.7
DW_DS009014	DW_DS009014	DW_DMH001760	Circular	Pipe	29	0.011	0.60	0.50	1.00		1	0.3	0.7
DW_DS009246	DW_DS009246	BH_DMH000091	Circular	Pipe	51	0.024	2.10	2.00	1.00		2	0.3	0.7
DW_DS009296	DW_DS009296	DW_DMH000043	Circular	Pipe	51	0.013	-2.00	-2.10	3.00		1	0.3	0.7
DW_DS009297	DW_DS009297	DW_DMH000012	Circular	Pipe	202	0.013	-6.12	-6.13	8.00		1	0.3	0.2
DW_FDG000007	DW_FDG000007	DW_DMH000043	Circular	Pipe	26	0.013	-6.55	-6.57	8.00		1	0.3	0.2
DW_FDG000008	DW_FDG000008	DW_DS009297	Circular	Pipe	73	0.013	-6.00	-6.13	8.00		1	0.3	0.2
DW_FDG000159	DW_FDG000159	DW_DS007729	Circular	Pipe	224	0.024	0.30	0.10	1.50		1	0.3	0.7
DW_FDG000160	DW_FDG000160	DW_DS007731	Circular	Pipe	25	0.011	0.60	0.50	1.00		1	0.3	0.5
DW_FDG000165	DW_FDG000165	DW_DS007837	Circular	Pipe	117	0.013	-2.00	-3.16	3.50		1	0.3	1.0
DW_FDG000243	DW_FDG000243	DW_DMH000050	Circular	Pipe	296	0.013	-5.82	-5.84	8.00		1	0.3	0.2
DW_FDG000244	DW_FDG000244	DW_DMH000672	Circular	Pipe	79	0.013	-4.10	-4.32	6.50		1	0.3	0.2
DW_NID10076	DW_DO000044	DW_DO000057	Circular	Pipe	40	0.013	-2.00	-2.00	6.00		1	0.5	0.5
DW_NID10091	DW_DS004197	DW_DS004193	Circular	Pipe	57	0.024	-1.30	-1.50	1.50		1	0.3	0.2
DW_NID10095	DW_NID10095	DW_DS002348	Circular	Pipe	221	0.013	3.08	3.06	1.50		1	0.3	0.7
DW_NID10192	DW_DS007840	DW_NID10192	Circular	Pipe	75	0.013	2.30	2.20	3.00		1	0.5	0.5
HGW_DMH001916	HGW_DMH001916	HGW_DMH001917	Circular	Pipe	188	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001917	HGW_DMH001917	HGW_DMH001918	Circular	Pipe	88	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001918	HGW_DMH001918	HGW_DMH001919	Circular	Pipe	77	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001919	HGW_DMH001919	HGW_DMH001920	Circular	Pipe	140	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001920	HGW_DMH001920	HGW_DMH001921	Circular	Pipe	144	0.013	2.00	2.00	3.50		1	0.3	0.2
HGW_DMH001921	HGW_DMH001921	HGW_DMH001922	Circular	Pipe	255	0.013	2.00	2.00	3.50		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HGW_DMH001922	HGW_DMH001922	BP_DMH001996	Circular	Pipe	1,427	0.013	2.00	-1.58	1.10		1	0.3	0.2
HGW_DMH002008	HGW_DMH002008	HGW_DS002404	Circular	Pipe	216	0.013	2.00	1.42	1.50		1	0.3	0.2
HGW_DMH002009	HGW_DMH002009	HGW_DMH002010	Circular	Pipe	65	0.013	1.42	1.40	2.50		1	0.3	0.2
HGW_DMH002010	HGW_DMH002010	441_DMH002011	Circular	Pipe	78	0.013	0.50	0.20	3.00		1	0.3	0.7
HGW_DMH002010	HGW_DMH002013	HGW_DMH002010	Circular	Pipe	110	0.013	1.65	1.42	3.50		1	0.3	0.7
HGW_DMH002013	HGW_DO000867	HGW_DMH002013	Circular	Pipe	121	0.013	1.50	1.65	3.00		1	0.5	0.6
HGW_DMH002015	HGW_DMH002015	HGW_DS009642	Circular	Pipe	51	0.013	2.40	2.40	2.00		1	0.3	0.2
HGW_DMH002016	HGW_DMH002016	HGW_DMH002015	Circular	Pipe	168	0.013	2.62	2.42	3.50		1	0.3	0.7
HGW_DMH002032	HGW_DMH002032	HGW_DMH002033	Circular	Pipe	141	0.011	4.00	3.80	1.50		1	0.3	0.2
HGW_DMH002033	HGW_DMH002033	HGW_DMH002034	Circular	Pipe	48	0.011	3.80	3.70	1.50		1	0.3	0.7
HGW_DMH002034	HGW_DMH002034	HGW_DMH002035	Circular	Pipe	17	0.011	3.70	3.60	0.67		1	0.3	0.7
HGW_DMH002035	HGW_DMH002035	HGW_DMH002036	Circular	Pipe	132	0.011	3.60	3.40	1.50		1	0.3	0.2
HGW_DMH002036	HGW_DMH002036	HGW_DMH002037	Circular	Pipe	250	0.011	3.40	3.20	1.50		1	0.3	0.2
HGW_DMH002037	HGW_DMH002037	HGW_DMH002038	Circular	Pipe	282	0.011	3.20	3.00	1.50		1	0.3	0.2
HGW_DMH002118	HGW_DMH002118	HGW_DMH002119	Circular	Pipe	56	0.013	3.80	3.70	3.50		1	0.3	0.2
HGW_DMH002119	HGW_DMH002119	HGW_DS010174	Circular	Pipe	112	0.013	3.70	3.50	3.50		1	0.3	0.2
HGW_DMH002120	HGW_DMH002120	HGW_DS010184	Circular	Pipe	191	0.013	4.50	4.40	3.00		1	0.3	0.2
HGW_DMH002121	HGW_DMH002121	HGW_DS010187	Circular	Pipe	29	0.013	4.80	4.70	2.50		1	0.3	0.2
HGW_DO000911	HGW_DO000911	HGW_DO000910	Circular	Pipe	115	0.013	3.00	3.10	3.50		1	0.5	0.5
HGW_DS002194	HGW_DS002194	HGW_DS010193	Circular	Pipe	23	0.013	5.30	5.20	1.50		1	0.3	0.7
HGW_DS002245	HGW_DS002245	HGW_DO000911	Circular	Pipe	35	0.013	4.50	3.50	1.50		1	0.3	0.5
HGW_DS002245_1	HGW_DS002245	HGW_DS002265	Circular	Pipe	103	0.024	4.50	3.92	2.00		1	0.3	0.2
HGW_DS002263	HGW_DS002263	HGW_DS002264	Circular	Pipe	114	0.024	4.92	4.42	2.00		1	0.3	0.7
HGW_DS002264	HGW_DS002264	HGW_DO000910	Circular	Pipe	43	0.013	4.42	3.50	2.00		1	0.3	0.5
HGW_DS002265	HGW_DS002265	HGW_DS002263	Circular	Pipe	306	0.024	3.92	3.92	2.00		1	0.3	0.2
HGW_DS002272_1	HGW_DS002272	HGW_DS002264	Circular	Pipe	435	0.024	5.00	4.42	1.00		1	0.3	0.7
HGW_DS002272_2	HGW_DS002272	HGW_DO000910	Circular	Pipe	39	0.013	5.00	3.00	1.50		1	0.3	0.5
HGW_DS002338_1	HGW_DS002338	HGW_DMH002032	Circular	Pipe	25	0.011	4.10	4.00	1.50		1	0.3	0.7
HGW_DS002338_2	HGW_DS002338	HGW_DS010176	Circular	Pipe	317	0.024	4.10	4.00	1.50		1	0.3	0.2
HGW_DS002404	HGW_DS002404	HGW_DMH002009	Circular	Pipe	148	0.013	1.42	2.42	2.50		1	0.3	0.5
HGW_DS009462	HGW_DS009462	HGW_DMH001919	Circular	Pipe	47	0.013	2.10	2.00	1.50		3	0.3	0.7
HGW_DS009467	HGW_DS009467	HGW_DMH001922	Circular	Pipe	54	0.013	2.10	2.00	1.50		1	0.3	0.7
HGW_DS009640	HGW_DS009640	HGW_DMH002008	Circular	Pipe	187	0.013	2.50	2.00	1.50		1	0.3	0.2
HGW_DS009641	HGW_DS009641	HGW_DS009642	Circular	Pipe	316	0.013	2.60	2.50	2.00		1	0.3	0.7
HGW_DS009642	HGW_DS009642	HGW_DO000868	Circular	Pipe	48	0.013	2.50	2.50	2.50		1	0.3	0.5
HGW_DS009646_1	HGW_DS009646	HGW_DS009642	Circular	Pipe	320	0.013	2.50	2.50	2.50		1	0.3	0.7
HGW_DS009646_2	HGW_DS009646	HGW_DO000869	Circular	Pipe	34	0.013	2.50	2.50	2.50		1	0.3	0.5
HGW_DS009650	HGW_DS009650	HGW_DO000869	Circular	Pipe	40	0.013	2.85	2.50	2.00		1	0.3	0.5
HGW_DS009795	HGW_DS009795	HGW_DMH002033	Circular	Pipe	29	0.011	3.90	3.80	1.50		1	0.3	0.7
HGW_DS009811	HGW_DS009811	HGW_DMH002042	Circular	Pipe	43	0.011	0.10	0.00	1.50		1	0.3	0.5
HGW_DS009812	HGW_DS009812	HGW_DMH002042	Circular	Pipe	29	0.011	0.10	0.00	1.50		1	0.3	0.5
HGW_DS010155_1	HGW_DS010155	HGW_DO000910	Circular	Pipe	43	0.013	3.30	3.00	3.00		1	0.3	0.5
HGW_DS010155_2	HGW_DS010155	HGW_DO000869	Circular	Pipe	160	0.013	3.30	3.00	3.00		1	0.3	0.5
HGW_DS010174_1	HGW_DS010174	HGW_DO000911	Circular	Pipe	95	0.013	3.50	3.30	3.50		1	0.3	0.5

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HGW_DS010174_2	HGW_DS010174	HGW_DS002245	Circular	Pipe	87	0.013	5.00	4.50	2.00		1	0.3	0.2
HGW_DS010176	HGW_DS010176	HGW_DM002118	Circular	Pipe	129	0.013	4.00	3.80	1.50		1	0.3	0.7
HGW_DS010179	HGW_DS010179	HGW_DM002118	Circular	Pipe	236	0.013	4.00	3.80	3.50		1	0.3	0.2
HGW_DS010181	HGW_DS010181	HGW_DS010179	Circular	Pipe	103	0.013	4.10	4.00	3.00		1	0.3	0.2
HGW_DS010183	HGW_DS010183	HGW_DS010181	Circular	Pipe	160	0.013	4.20	4.10	3.00		1	0.3	0.2
HGW_DS010184	HGW_DS010184	HGW_DS010183	Circular	Pipe	314	0.013	4.40	4.20	3.00		1	0.3	0.2
HGW_DS010187	HGW_DS010187	HGW_DM002120	Circular	Pipe	255	0.013	4.70	4.50	3.00		1	0.3	0.2
HGW_DS010188	HGW_DS010188	HGW_DM002121	Circular	Pipe	137	0.013	4.90	4.80	2.50		1	0.3	0.2
HGW_DS010191	HGW_DS010191	HGW_DS010188	Circular	Pipe	248	0.013	5.00	4.90	2.50		1	0.3	0.2
HGW_DS010193	HGW_DS010193	HGW_DS010191	Circular	Pipe	392	0.013	5.20	5.00	2.50		1	0.3	0.2
HGW_DS010196	HGW_DS010196	HGW_DS010193	Circular	Pipe	169	0.013	5.30	5.20	2.00		1	0.3	0.2
LA_DM000803	LA_DM000803	LA_DM001986	Circular	Pipe	97	0.013	-1.19	-1.22	3.00		1	0.3	0.7
LA_DM001971	LA_DM001971	LA_DM001973	Circular	Pipe	234	0.013	-0.10	-0.10	2.50		1	0.3	0.2
LA_DM001972	LA_DM001972	LA_DS009617	Circular	Pipe	64	0.013	2.10	2.00	1.50		1	0.3	0.7
LA_DM001973	LA_DM001973	LA_DM001976	Circular	Pipe	226	0.013	-0.20	-0.20	2.50		1	0.3	0.2
LA_DM001976	LA_DM001976	LA_DM001977	Circular	Pipe	238	0.013	-0.20	-0.20	2.50		1	0.3	0.2
LA_DM001977	LA_DM001977	LA_DM001978	Circular	Pipe	214	0.013	-0.20	-0.20	2.50		1	0.3	0.2
LA_DM001978	LA_DM001978	LA_DM001981	Circular	Pipe	281	0.013	-0.20	-0.20	2.50		1	0.3	0.2
LA_DM001979	LA_DM001979	LA_DM001980	Circular	Pipe	203	0.013	2.00	1.50	1.50		1	0.3	0.2
LA_DM001980	LA_DM001980	LA_DM001982	Circular	Pipe	285	0.013	1.50	1.00	1.50		1	0.3	0.2
LA_DM001981	LA_DM001981	LA_DM001983	Circular	Pipe	259	0.013	-0.25	-0.88	3.00		1	0.3	0.2
LA_DM001982	LA_DM001982	LA_DM001984	Circular	Pipe	266	0.013	1.00	0.60	1.50		1	0.3	0.7
LA_DM001983	LA_DM001983	LA_DM001985	Circular	Pipe	258	0.013	-0.98	-1.03	3.00		1	0.3	0.2
LA_DM001984	LA_DM001984	LA_DM001983	Circular	Pipe	39	0.013	0.60	0.50	1.50		1	0.3	0.7
LA_DM001985	LA_DM001985	LA_DM000803	Circular	Pipe	225	0.013	-1.13	-1.19	3.00		1	0.3	0.2
LA_DM001991	LA_DM001991	LA_DM001986	Circular	Pipe	197	0.013	2.02	2.02	2.00		1	0.3	0.7
LA_DS000290	LA_DS000290	LA_DM000803	Circular	Pipe	28	0.013	-1.00	-1.19	1.50		1	0.3	0.7
LA_DS002289	LA_DS002289	HGW_DS002404	Circular	Pipe	105	0.013	1.72	1.70	2.00		1	0.3	0.7
LA_DS004923	LA_DS004923	HGW_DM001916	Circular	Pipe	50	0.013	2.10	2.00	1.50		5	0.3	0.7
LA_DS009466	LA_DS009466	HGW_DM001922	Circular	Pipe	51	0.013	2.10	2.00	1.50		1	0.3	0.7
LA_DS009497	LA_DS009497	LA_DM001972	Circular	Pipe	76	0.013	2.20	2.10	1.50		1	0.3	0.7
LA_DS009633	LA_DS009633	LA_DM001991	Circular	Pipe	60	0.013	2.20	2.02	1.50		2	0.3	0.5
SBDD02	SBDD02	BC_AGE999787	Circular	Pipe	160	0.013	-2.00	-2.10	4.00		1	0.5	0.5
SBDD03	SBDD03	BC_AGE999260	Circular	Pipe	460	0.013	-2.00	-3.00	2.00		1	0.5	0.5
SBDD04	SBDD04	SBDD08	Circular	Pipe	140	0.013	-5.00	-5.10	4.00		1	0.5	0.5
SBDD05	SBDD05	SBDD17	Circular	Pipe	630	0.013	-3.00	-3.10	4.00		1	0.5	0.5
SBDD06	SBDD06	SBDD09	Circular	Pipe	150	0.013	-3.00	-3.10	4.00		1	0.5	0.5
SBDD08	SBDD13	SBDD12	Circular	Pipe	100	0.013	-4.90	-5.00	4.50		1	0.5	0.5
WP_DM001944	WP_DM001944	WP_DM001945	Circular	Pipe	270	0.013	3.68	3.36	2.00		1	0.3	0.2
WP_DM001945	WP_DM001945	WP_DM001947	Circular	Pipe	253	0.013	3.34	3.16	2.00		1	0.3	0.2
WP_DM001947	WP_DM001947	WP_DS009594	Circular	Pipe	10	0.012	2.98	2.75	2.00		1	0.3	0.2
WP_DM001954	WP_DO000863	WP_DM001954	Circular	Pipe	62	0.013	0.50	0.50	2.50		1	0.5	0.7
WP_DM001956	WP_DM001956	WP_DO000864	Circular	Pipe	44	0.013	2.55	2.50	2.00		1	0.3	0.5
WP_DM001957	WP_DM001957	WP_DM001956	Circular	Pipe	48	0.013	3.00	2.55	2.00		1	0.3	0.2

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
WP_DMH001958	WP_DMH001958	WP_DMH001957	Circular	Pipe	107	0.013	3.15	3.00	2.00		1	0.3	0.2
WP_DMH001961	WP_DMH001961	WP_DMH001958	Circular	Pipe	260	0.013	3.43	2.83	2.00		1	0.3	0.2
WP_DMH001964	WP_DMH001964	WP_DMH001961	Circular	Pipe	107	0.013	3.60	3.43	1.50		1	0.3	0.2
WP_DS003649	WP_DS003649	BC_DS003653	Circular	Pipe	100	0.014	2.22	2.12	1.50		2	0.3	0.7
WP_DS009478_1	WP_DS009478	WP_DO000857	Circular	Pipe	31	0.013	2.50	2.50	2.50		1	0.3	0.5
WP_DS009478_2	WP_DS009479	WP_DS009478	Circular	Pipe	39	0.013	2.50	2.50	2.50		1	0.3	0.2
WP_DS009479	WP_DO000855	WP_DS009479	Circular	Pipe	37	0.013	2.50	2.50	2.50		1	0.5	0.2
WP_DS009481_1	WP_DS009482	WP_DS009481	Circular	Pipe	36	0.013	2.50	2.50	2.50		1	0.3	0.2
WP_DS009481_2	WP_DS009481	WP_DO000861	Circular	Pipe	35	0.013	2.50	2.50	2.50		1	0.3	0.5
WP_DS009482	WP_DO000857	WP_DS009482	Circular	Pipe	35	0.013	2.50	2.50	2.50		1	0.5	0.2
WP_DS009590	WP_DS009590	WP_DMH001944	Circular	Pipe	12	0.013	3.70	3.68	1.50		2	0.3	0.7
WP_DS009594	WP_DS009594	WP_DO000855	Circular	Pipe	38	0.013	2.75	2.50	2.00		1	0.3	0.5
WP_DS009596	WP_DS009596	WP_DO000857	Circular	Pipe	41	0.013	4.78	2.50	2.00		1	0.3	0.5
WP_DS009597_1	WP_DS009597	WP_DO000864	Circular	Pipe	34	0.013	2.50	2.50	2.50		1	0.3	0.5
WP_DS009597_2	WP_DS009598	WP_DS009597	Circular	Pipe	41	0.013	2.50	2.50	2.50		1	0.3	0.2
WP_DS009598	WP_DO000861	WP_DS009598	Circular	Pipe	35	0.013	2.50	2.50	2.50		1	0.5	0.2
WP_DS009599	WP_DS009599	WP_DO000861	Circular	Pipe	40	0.013	2.75	2.50	2.50		1	0.3	0.5
WP_DS009604	WP_DS009604	WP_DMH001958	Circular	Pipe	10	0.013	3.50	3.15	1.50		1	0.3	0.7
441_DMH002017	441_DMH002017	HGW_DMH002016	Elliptical	Pipe	59	0.013	4.50	4.41	1.17	1.92	1	0.3	0.7
441_DS009645	441_DS009645	HGW_DMH002015	Elliptical	Pipe	73	0.013	4.50	4.41	1.17	1.92	1	0.3	0.2
BH_DO000077	441_DO000080	BH_DO000077	Elliptical	Pipe	170	0.013	3.00	2.90	3.00	6.00	1	0.5	0.5
BP_DMH000127_1	BP_DMH000127	BP_DMH000128	Elliptical	Pipe	26	0.013	-0.88	-2.18	2.42	3.75	1	0.3	0.2
BP_DMH000127_2	BP_DMH000127	BP_DMH000128	Elliptical	Pipe	26	0.013	-0.88	-2.18	2.42	3.75	1	0.3	0.2
BP_DMH001943	BP_DMH001943	WP_DMH001944	Elliptical	Pipe	99	0.013	2.15	2.00	1.17	1.92	1	0.3	0.7
BP_DMH001948	BP_DMH001948	WP_DMH001947	Elliptical	Pipe	85	0.013	4.50	4.40	1.17	1.92	1	0.3	0.2
BP_DMH001970_1	BP_DMH001966	BP_DMH001970	Elliptical	Pipe	118	0.013	-1.50	-1.50	2.00	3.17	1	0.3	0.5
BP_DMH001975	BP_DMH001975	LA_DMH001973	Elliptical	Pipe	81	0.013	1.50	1.30	1.17	1.92	1	0.3	0.7
BP_DS009622	BP_DS009622	LA_DMH001979	Elliptical	Pipe	51	0.013	5.00	4.80	0.91	1.50	1	0.3	0.7
BP_DS009624	BP_DS009624	LA_DMH001980	Elliptical	Pipe	51	0.013	5.00	4.80	1.17	1.92	1	0.3	0.7
BP_DS009626	BP_DS009626	LA_DMH001984	Elliptical	Pipe	53	0.013	4.50	4.50	1.17	1.92	1	0.3	0.2
DW_AGE999690	DW_AGE999690	BC_AGE999286	Elliptical	Pipe	130	0.013	2.50	2.40	3.00	6.00	1	0.5	0.5
DW_DMH000048	DW_DMH000048	DS009295	Elliptical	Pipe	421	0.013	-7.07	-7.40	6.42	10.08	1	0.3	0.7
LA_DMH000796	LA_DMH000796	LA_DMH001983	Elliptical	Pipe	25	0.013	1.80	1.79	1.17	1.92	4	0.3	0.7
LA_DMH001986	LA_DMH001986	BP_DMH001988	Elliptical	Pipe	90	0.013	-1.50	-1.50	2.83	4.42	1	0.3	0.7
LA_DS009617	LA_DS009617	LA_DMH001971	Elliptical	Pipe	11	0.013	2.00	1.99	0.91	1.50	1	0.3	0.7
LA_DS009619	LA_DS009619	LA_DMH001973	Elliptical	Pipe	13	0.013	1.58	1.55	1.17	1.92	2	0.3	0.7
WP_DS009477	WP_DS009477	WP_DO000855	Elliptical	Pipe	39	0.013	-1.00	-1.00	1.17	1.92	1	0.3	0.5
441_CDO000056	441_DO000056	BC_AGE999283	Irregular	Channel	2,500		0.70	0.60					
BC_AGE999252_1	SBDD08	SBDD14	Irregular	Channel	1,435		-8.00	-8.10					
BC_AGE999252_2	SBDD15	SBDD16	Irregular	Channel	2,330		-8.00	-8.10					
BC_AGE999252_5	SBDD17	SBDD18	Irregular	Channel	4,550		-8.00	-8.10					
BC_AGE999252_7	SBDD19	SBDD09	Irregular	Channel	1,100		-8.00	-8.10					
BC_AGE999252_9	SBDD09	BC_SBDD_01	Irregular	Channel	1,410		-8.00	-8.10					
BC_CAGE999250	BC_AGE999250	BC_AGE999251	Irregular	Channel	1,170		-3.90	-4.00					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_CAGE999251	BC_AGE999251	BC_AGE999789	Irregular	Channel	1,440		-4.00	-4.10					
BC_CAGE999253	BC_AGE999253	BC_AGE999252	Irregular	Channel	225		-6.90	-7.00					
BC_CAGE999255	BC_AGE999255	BC_AGE999254	Irregular	Channel	565		-6.90	-7.00					
BC_CAGE999257	BC_AGE999257	BC_AGE999789	Irregular	Channel	255		-6.90	-7.00					
BC_CAGE999259	BC_AGE999259	BC_AGE999258	Irregular	Channel	490		-6.90	-7.00					
BC_CAGE999261	BC_AGE999261	BC_AGE999260	Irregular	Channel	250		-6.90	-7.00					
BC_CAGE999263	BC_AGE999263	BC_AGE999262	Irregular	Channel	1,095		-4.90	-5.00					
BC_CAGE999265	BC_AGE999265	BC_AGE999787	Irregular	Channel	1,070		-4.90	-5.00					
BC_CAGE999267	BC_AGE999267	BC_AGE999266	Irregular	Channel	390		-5.00	-4.00					
BC_CAGE999268	BC_AGE999268	BC_AGE999784	Irregular	Channel	1,080		-4.90	-5.00					
BC_CAGE999270	BC_AGE999270	BC_AGE999269	Irregular	Channel	275		-3.00	-3.10					
BC_CAGE999272	BC_AGE999272	BC_AGE999271	Irregular	Channel	200		-4.90	-5.00					
BC_CAGE999274	BC_AGE999274	BC_AGE999264	Irregular	Channel	1,345		-4.00	-4.10					
BC_CAGE999284	BC_AGE999284	BC_AGE999770	Irregular	Channel	2,310		0.60	0.50					
BC_CAGE999285	BC_AGE999285	441_DO000055	Irregular	Channel	980		0.80	0.70					
BC_CAGE999287	BC_AGE999287	BC_AGE999286	Irregular	Channel	1,320		1.50	0.80					
BC_CAGE999288	BC_AGE999288	BC_AGE999706	Irregular	Channel	2,500		1.80	1.20					
BC_CAGE999676	BC_AGE999676	BC_DO000835	Irregular	Channel	640		-1.60	-1.30					
BC_CAGE999677	BC_AGE999677	BC_DO000831	Irregular	Channel	565		-1.20	-1.30					
BC_CAGE999678	BC_AGE999678	BC_AGE999679	Irregular	Channel	575		-2.90	-3.00					
BC_CAGE999681	BC_AGE999681	BC_DO000837	Irregular	Channel	250		-2.00	-1.80					
BC_CAGE999692	BC_AGE999692	BC_AGE999670	Irregular	Channel	900		-1.00	-0.30					
BC_CAGE999706	BC_AGE999706	BC_AGE999704	Irregular	Channel	1,700		1.20	2.00					
BC_CAGE999747	BC_AGE999747	BC_DO000715	Irregular	Channel	260		0.50	0.60					
BC_CAGE999789	BC_AGE999789	BC_AGE999256	Irregular	Channel	320		-7.00	-6.90					
BC_CDO000049	BC_DO000049	BC_AGE999676	Irregular	Channel	150		-1.70	-1.60					
BC_CDO000052	BC_DO000052	BC_AGE999680	Irregular	Channel	325		-3.40	-3.00					
BC_CDO000060	BC_DO000060	BC_DO000061	Irregular	Channel	600		-1.50	-1.40					
BC_CDO000061	BC_DO000061	BC_DO000827	Irregular	Channel	160		-1.40	-1.50					
BC_CDO000065	BC_DO000065	BC_AGE999681	Irregular	Channel	150		-1.80	-2.00					
BC_CDO000068	BC_DO000068	BC_AGE999681	Irregular	Channel	795		-0.80	-2.00					
BC_CDO000070	BC_DO000070	BC_DO000797	Irregular	Channel	275		-0.80	-0.70					
BC_CDO000079	BC_DO000079	BC_AGE999273	Irregular	Channel	965		-3.00	-3.10					
BC_CDO000612	BC_DO000612	BC_AGE999671	Irregular	Channel	1,250		0.65	0.70					
BC_CDO000715	BC_DO000715	BC_DO000612	Irregular	Channel	840		0.60	0.65					
BC_CDO000797	BC_DO000797	BC_DO000068	Irregular	Channel	780		-0.70	-0.80					
BC_CDO000825	BC_DO000825	BC_DO000052	Irregular	Channel	345		-3.30	-3.40					
BC_CDO000827	BC_DO000827	BC_DO000064	Irregular	Channel	410		-1.50	-1.60					
BC_CDO000835	BC_DO000835	BC_DO000833	Irregular	Channel	545		-1.30	-1.10					
BC_CDO000837	BC_DO000837	BC_AGE999676	Irregular	Channel	370		-1.80	-1.60					
BC_SBDD_S1_DS	BC_SBDD_S1_DS	BC_SBDD_S1_O	Irregular	Channel	200		-9.90	-10.00					
BH_CDO000067	BH_DO000067	BH_DO000078	Irregular	Channel	1,220		-3.00	-2.90					
BH_CDO000074	BH_DO000074	BH_DO000067	Irregular	Channel	240		-2.90	-3.00					
BP_CDO000123	BP_DO000123	BP_DO000100	Irregular	Channel	710		1.20	1.80					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_CAGE999672	DW_AGE999672	DW_AGE999673	Irregular	Channel	1,050		-2.00	-1.90					
DW_CAGE999673	DW_AGE999673	DW_AGE999674	Irregular	Channel	405		-1.90	-2.30					
DW_CAGE999674	DW_AGE999674	DW_DO000046	Irregular	Channel	425		-2.30	-4.00					
DW_CAGE999675	DW_AGE999675	DW_DO000043	Irregular	Channel	365		-4.00	-4.40					
DW_CAGE999691	DW_AGE999691	DW_DO000066	Irregular	Channel	240		-0.50	-0.20					
DW_CDO000041	DW_DO000041	BC_AGE999669	Irregular	Channel	655		-0.50	-1.00					
DW_CDO000043	DW_DO000043	DW_DO000777	Irregular	Channel	480		-4.40	-3.50					
DW_CDO000051	DW_DO000051	DW_DO000041	Irregular	Channel	910		0.00	-0.50					
DW_CDO000057	DW_DO000057	DW_DO000048	Irregular	Channel	310		-2.20	-2.30					
DW_CDO000066	DW_DO000066	DW_DO000054	Irregular	Channel	760		-0.20	0.30					
DW_CDO000110	DW_DO000110	DW_AGE999672	Irregular	Channel	345		-3.40	-2.50					
DW_CDO000111	DW_DO000111	DW_DO000112	Irregular	Channel	217		-1.50	-2.00					
DW_CDO000112	DW_DO000112	DW_DO000110	Irregular	Channel	280		-2.50	-3.40					
DW_CDO000113	DW_DO000113	DW_DO000111	Irregular	Channel	300		-1.40	-1.50					
DW_CDO000777	DW_DO000777	DW_DO000044	Irregular	Channel	165		-3.50	-3.40					
SBDD10	SBDD10	SBDD11	Irregular	Channel	310		-8.00	-8.10					
SBDD12	SBDD12	SBDD08	Irregular	Channel	830		-8.00	-8.10					
SBDD20	SBDD20	SBDD13	Irregular	Channel	1,200		-6.90	-7.00					
441_AGE999699_O	441_AGE999699	441_AGE999764	Irregular	Overflow	20		8.70	8.60					
441_AGE999699_O	441_AGE999699	441_DO000080	Irregular	Overflow	20		8.65	8.60					
441_AGE999752_O	441_AGE999752	441_DS006996	Irregular	Overflow	20		8.55	8.50					
441_AGE999752_O	441_AGE999752	441_AGE999751	Irregular	Overflow	20		8.90	8.80					
441_AGE999752_O	441_AGE999752	441_AGE999755	Irregular	Overflow	20		8.80	8.70					
441_AGE999753_O	441_AGE999753	441_DS006996	Irregular	Overflow	20		8.35	8.30					
441_AGE999754_O	441_AGE999754	441_AGE999753	Irregular	Overflow	20		8.65	8.60					
441_AGE999754_O	441_AGE999754	441_AGE999755	Irregular	Overflow	20		8.90	8.80					
441_AGE999755_O	441_AGE999755	441_AGE999757	Irregular	Overflow	20		8.80	8.70					
441_AGE999755_O	441_AGE999755	441_AGE999751	Irregular	Overflow	20		9.05	9.00					
441_AGE999756_O	441_AGE999756	441_AGE999755	Irregular	Overflow	20		8.95	8.90					
441_AGE999756_O	441_AGE999756	441_AGE999754	Irregular	Overflow	20		8.65	8.60					
441_AGE999757_O	441_AGE999757	441_AGE999751	Irregular	Overflow	20		8.80	8.70					
441_AGE999758_O	441_AGE999758	441_DS000160	Irregular	Overflow	20		9.40	9.30					
441_AGE999758_O	441_AGE999758	441_AGE999756	Irregular	Overflow	20		9.20	9.10					
441_AGE999758_O	441_AGE999758	441_AGE999755	Irregular	Overflow	20		9.35	9.30					
441_AGE999759_O	441_AGE999759	441_AGE999755	Irregular	Overflow	20		9.15	9.10					
441_AGE999760_O	441_AGE999760	441_DS004921	Irregular	Overflow	20		9.50	9.40					
441_AGE999760_O	441_AGE999760	441_DS002216	Irregular	Overflow	20		9.40	9.30					
441_AGE999760_O	441_AGE999760	441_DS006995	Irregular	Overflow	20		10.05	10.00					
441_AGE999761_O	441_AGE999761	441_AGE999762	Irregular	Overflow	20		9.50	9.40					
441_AGE999761_O	441_AGE999761	441_AGE999760	Irregular	Overflow	20		9.45	9.40					
441_AGE999762_O	441_AGE999762	441_DO000080	Irregular	Overflow	20		9.20	9.10					
441_AGE999763_O	441_AGE999763	441_DO000080	Irregular	Overflow	20		9.05	9.00					
441_AGE999763_O	441_AGE999763	441_AGE999762	Irregular	Overflow	20		9.35	9.30					
441_AGE999764_O	441_AGE999764	441_DO000080	Irregular	Overflow	20		7.50	7.40					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_AGE999765_O	441_AGE999765	441_AGE999764	Irregular	Overflow	20		8.00	7.90					
441_AGE999766_O	441_AGE999766	441_DO000056	Irregular	Overflow	20		6.00	5.90					
441_DO000056_O	441_DO000056	441_DS002036	Irregular	Overflow	20		6.30	6.20					
441_DO000114_O	441_DO000114	441_AGE999757	Irregular	Overflow	20		9.35	9.30					
441_DS000041_O	441_DS000041	441_AGE999766	Irregular	Overflow	20		5.00	4.90					
441_DS000160_O	441_DS000160	441_DS002387	Irregular	Overflow	20		9.40	9.30					
441_DS002005_O1	441_DS002005	BC_AGE999285	Irregular	Overflow	20		6.40	6.30					
441_DS002005_O2	441_DS002005	441_DS006088	Irregular	Overflow	20		5.00	4.90					
441_DS002019_O	441_DS002019	441_DS006088	Irregular	Overflow	20		5.45	5.40					
441_DS002036_O	441_DS002036	441_AGE999766	Irregular	Overflow	20		4.80	4.70					
441_DS002038_O1	441_DS002038	441_DS002019	Irregular	Overflow	20		6.40	6.30					
441_DS002038_O2	441_DS002038	441_DS002036	Irregular	Overflow	20		5.35	5.30					
441_DS002105_O	441_DS002105	441_DS002005	Irregular	Overflow	20		5.25	5.20					
441_DS002110_O1	441_DS002110	441_DS002105	Irregular	Overflow	20		12.40	12.30					
441_DS002126_O1	441_DS002126	441_DS002105	Irregular	Overflow	20		7.75	7.70					
441_DS002126_O2	441_DS002126	DW_DS002115	Irregular	Overflow	20		8.25	8.20					
441_DS002126_O3	441_DS002126	BC_AGE999287	Irregular	Overflow	20		8.60	8.50					
441_DS002147_O1	441_DS002147	441_DS002126	Irregular	Overflow	20		7.95	7.90					
441_DS002147_O2	441_DS002147	441_AGE999765	Irregular	Overflow	20		8.40	8.30					
441_DS002147_O3	441_DS002147	BH_DS002148	Irregular	Overflow	20		8.25	8.20					
441_DS002216_O1	441_DS002216	BH_NID10271	Irregular	Overflow	20		8.30	8.20					
441_DS002216_O2	441_DS002216	441_DO000080	Irregular	Overflow	20		9.25	9.20					
441_DS002244_O	441_DS002244	441_AGE999759	Irregular	Overflow	20		9.20	9.10					
441_DS002244_O1	441_DS002244	BH_DS002249	Irregular	Overflow	20		8.35	8.30					
441_DS002276_O	441_DS002276	441_AGE999757	Irregular	Overflow	20		12.40	12.30					
441_DS002365_O1	441_DS002365	441_AGE999751	Irregular	Overflow	20		8.65	8.60					
441_DS002365_O2	441_DS002365	441_DS006996	Irregular	Overflow	20		8.85	8.80					
441_DS002387_O	441_DS002387	441_DS004921	Irregular	Overflow	20		9.40	9.30					
441_DS004921_O	441_DS004921	441_DS002244	Irregular	Overflow	20		9.30	9.20					
441_DS006088_O	441_DS006088	441_DO000055	Irregular	Overflow	20		6.30	6.20					
441_DS006998_O1	441_DS006998	441_DS006996	Irregular	Overflow	20		8.35	8.30					
441_DS006998_O2	441_DS006998	441_AGE999753	Irregular	Overflow	20		8.25	8.20					
441_DS007031_O1	441_DS007031	BC_DS007043	Irregular	Overflow	20		9.05	9.00					
441_DS007031_O2	441_DS007031	BP_DS007033	Irregular	Overflow	20		9.10	9.00					
441_DS007031_O3	441_DS007031	441_DS002365	Irregular	Overflow	20		8.85	8.80					
441_DS007031_O4	441_DS007031	441_AGE999751	Irregular	Overflow	20		9.05	9.00					
441_DS007037_O	441_DS007037	441_DS004921	Irregular	Overflow	20		9.85	9.80					
441_DS008709_O1	441_DS008709	441_DS000160	Irregular	Overflow	20		9.30	9.20					
441_DS008709_O2	441_DS008709	441_AGE999758	Irregular	Overflow	20		9.45	9.40					
441_DS008709_O3	441_DS008709	441_AGE999759	Irregular	Overflow	20		9.45	9.40					
441_DS009644_O	441_DS009644	441_AGE999753	Irregular	Overflow	20		8.70	8.60					
441_DS009647_O1	441_DS009647	HGW_DS002283	Irregular	Overflow	20		9.35	9.30					
441_DS009647_O2	441_DS009647	441_AGE999756	Irregular	Overflow	20		8.55	8.50					
441_DS009647_O3	441_DS009647	441_AGE999754	Irregular	Overflow	20		8.60	8.50					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
441_DS009647_O4	441_DS009647	441_DS009644	Irregular	Overflow	20		8.85	8.80					
441_DS009649_O1	441_DS009649	HGW_DS009650	Irregular	Overflow	20		9.35	9.30					
441_DS009649_O2	441_DS009649	441_DS000160	Irregular	Overflow	20		9.50	9.40					
441_DS009649_O3	441_DS009649	441_DS009647	Irregular	Overflow	20		8.90	8.80					
441_DS009649_O4	441_DS009649	441_AGE999756	Irregular	Overflow	20		9.00	8.90					
441_DS010180_O1	441_DS010180	441_AGE999760	Irregular	Overflow	20		10.00	9.90					
441_DS010180_O2	441_DS010180	441_DS006995	Irregular	Overflow	20		10.00	9.90					
441_DS010180_O3	441_DS010180	HGW_DS010179	Irregular	Overflow	20		10.30	10.20					
441_DS010185_O2	441_DS010185	441_AGE999763	Irregular	Overflow	20		9.40	9.30					
441_DS010189_O1	441_DS010189	441_AGE999699	Irregular	Overflow	20		9.30	9.20					
441_DS010189_O2	441_DS010189	441_DS010185	Irregular	Overflow	20		9.25	9.20					
441_DS010195_O	441_DS010195	441_AGE999765	Irregular	Overflow	20		9.20	9.10					
441_DS010239_O2	441_DS000041	441_DO000917x	Irregular	Overflow	20		6.80	6.70					
BC_AGE999254_O	BC_AGE999254	BC_AGE999253	Irregular	Overflow	20		6.60	6.50					
BC_AGE999256_O	BC_AGE999256	BC_AGE999255	Irregular	Overflow	20		6.25	6.20					
BC_AGE999266_O	BC_AGE999266	BC_AGE999265	Irregular	Overflow	20		5.20	5.10					
BC_AGE999269_O	BC_AGE999269	BC_AGE999268	Irregular	Overflow	20		5.45	5.40					
BC_AGE999271_O	BC_AGE999271	BC_AGE999270	Irregular	Overflow	20		5.05	5.00					
BC_AGE999273_O	BC_AGE999273	BC_AGE999274	Irregular	Overflow	20		4.05	4.00					
BC_AGE999274_O	BC_AGE999274	BC_AGE999786	Irregular	Overflow	20		3.90	3.80					
BC_AGE999276_O	BC_AGE999276	BC_AGE999275	Irregular	Overflow	20		4.20	4.10					
BC_AGE999278_O	BC_AGE999278	BC_AGE999279	Irregular	Overflow	20		3.45	3.40					
BC_AGE999281_O	BC_AGE999281	BC_AGE999277	Irregular	Overflow	20		7.70	7.60					
BC_AGE999669_O	BC_AGE999669	BC_AGE999692	Irregular	Overflow	20		2.10	2.00					
BC_AGE999671_O	BC_AGE999671	West-BC_Out5	Irregular	Overflow	20		5.35	5.30					
BC_AGE999679_O	BC_AGE999679	BC_DS006959	Irregular	Overflow	20		5.80	5.70					
BC_AGE999683_O	BC_AGE999683	BC_DO000052	Irregular	Overflow	20		5.15	5.10					
BC_AGE999685_O	BC_AGE999685	BC_DO000064	Irregular	Overflow	20		5.05	5.00					
BC_AGE999767_O1	BC_AGE999767	BC_AGE999768	Irregular	Overflow	20		6.60	6.50					
BC_AGE999767_O2	BC_AGE999767	BC_AGE999283	Irregular	Overflow	20		6.50	6.40					
BC_AGE999767_O3	BC_AGE999767	441_AGE999766	Irregular	Overflow	20		7.00	6.90					
BC_AGE999768_O	BC_AGE999768	BC_AGE999284	Irregular	Overflow	20		6.25	6.20					
BC_AGE999773_O1	BC_AGE999773	DW_DS007774	Irregular	Overflow	20		6.35	6.30					
BC_AGE999773_O2	BC_AGE999773	DW_DS004786	Irregular	Overflow	20		6.15	6.10					
BC_AGE999774_O	BC_AGE999774	DW_DS004786	Irregular	Overflow	20		6.20	6.10					
BC_AGE999775_O	BC_AGE999775	CH_DS004792	Irregular	Overflow	20		5.10	5.00					
BC_AGE999776_O	BC_AGE999776	CH_AGE999873	Irregular	Overflow	20		5.55	5.50					
BC_AGE999777_O	BC_AGE999777	West-BC_Out1	Irregular	Overflow	20		4.40	4.30					
BC_AGE999778_O	BC_AGE999778	DW_AGE999889	Irregular	Overflow	20		5.60	5.50					
BC_AGE999779_O1	BC_AGE999779	DW_AGE999889	Irregular	Overflow	20		5.40	5.30					
BC_AGE999779_O2	BC_AGE999779	West-BC_Out2	Irregular	Overflow	20		4.70	4.60					
BC_AGE999780_O	BC_AGE999780	BC_AGE999779	Irregular	Overflow	20		4.80	4.70					
BC_AGE999781_O	BC_AGE999781	BC_AGE999780	Irregular	Overflow	20		5.90	5.80					
BC_AGE999782_O	BC_AGE999782	BC_DO000060	Irregular	Overflow	20		5.50	5.40					

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BC_AGE999783_O1 BC_AGE999783	BC_AGE999783	BC_AGE999267	Irregular	Overflow	20		5.80	5.70					
BC_AGE999783_O2 BC_AGE999783	BC_AGE999783	BC_AGE999270	Irregular	Overflow	20		5.05	5.00					
BC_AGE999783_O3 BC_AGE999783	BC_AGE999783	BC_DO000052	Irregular	Overflow	20		5.30	5.20					
BC_AGE999783_O4 BC_AGE999783	BC_AGE999783	BC_AGE999782	Irregular	Overflow	20		5.30	5.20					
BC_AGE999784_O BC_AGE999784	BC_AGE999784	BC_AGE999267	Irregular	Overflow	20		5.75	5.70					
BC_AGE999786_O1 BC_AGE999786	BC_AGE999786	BC_AGE999264	Irregular	Overflow	20		4.85	4.80					
BC_AGE999786_O2 BC_AGE999786	BC_AGE999786	BC_AGE999787	Irregular	Overflow	20		4.85	4.80					
BC_AGE999787_O BC_AGE999787	BC_AGE999787	BC_AGE999263	Irregular	Overflow	20		5.60	5.50					
BC_AGE999788_O1 BC_AGE999788	BC_AGE999788	BC_AGE999274	Irregular	Overflow	20		4.00	3.90					
BC_AGE999788_O2 BC_AGE999788	BC_AGE999788	BH_DS002208	Irregular	Overflow	20		5.25	5.20					
BC_AGE999788_O3 BC_AGE999788	BC_AGE999788	BC_AGE999251	Irregular	Overflow	20		5.40	5.30					
BC_AGE999790_O1 BC_AGE999790	BC_AGE999790	BC_AGE999250	Irregular	Overflow	20		5.40	5.30					
BC_AGE999790_O2 BC_AGE999790	BC_AGE999790	BC_AGE999788	Irregular	Overflow	20		5.10	5.00					
BC_AGE999790_O3 BC_AGE999790	BC_AGE999790	BH_AGE999810	Irregular	Overflow	20		5.30	5.20					
BC_AGE999791_O1 BC_AGE999791	BC_AGE999791	BC_DS008738	Irregular	Overflow	20		5.80	5.70					
BC_AGE999791_O2 BC_AGE999791	BC_AGE999791	BC_DS008739	Irregular	Overflow	20		5.80	5.70					
BC_AGE999791_O3 BC_AGE999791	BC_AGE999791	BH_DS008311	Irregular	Overflow	20		5.90	5.80					
BC_AGE999793_O BC_AGE999793	BC_AGE999793	BH_DS008311	Irregular	Overflow	20		5.75	5.70					
BC_AGE999796_O1 BC_AGE999796	BC_AGE999796	BC_AGE999276	Irregular	Overflow	20		6.30	6.20					
BC_DMH000053_O BC_DMH000053	BC_DMH000053	BC_DS007064	Irregular	Overflow	20		4.60	4.50					
BC_DMH000644_O BC_DMH000644	BC_DMH000644	BC_DMH000989	Irregular	Overflow	20		5.75	5.70					
BC_DMH000957_O BC_DMH000957	BC_DMH000957	BC_DMH000960	Irregular	Overflow	20		6.05	6.00					
BC_DMH000960_O BC_DMH000960	BC_DMH000960	BC_DO000592	Irregular	Overflow	20		5.30	5.20					
BC_DMH000989_O BC_DMH000989	BC_DMH000989	BC_DMH000992	Irregular	Overflow	20		5.90	5.80					
BC_DMH000992_O BC_DMH000992	BC_DMH000992	DW_AGE999687	Irregular	Overflow	20		5.45	5.40					
BC_DMH000998_O BC_DMH000998	BC_DMH000998	BC_DMH001001	Irregular	Overflow	20		7.50	7.40					
BC_DMH000998_O: BC_DMH000998	BC_DMH000998	BC_DMH001000	Irregular	Overflow	20		7.40	7.30					
BC_DMH001000_O: BC_DMH001000	BC_DMH001000	BC_DMH000992	Irregular	Overflow	20		7.40	7.30					
BC_DMH001000_O: BC_DMH001000	BC_DMH001000	BC_DMH000960	Irregular	Overflow	20		7.45	7.40					
BC_DMH001001_O: BC_DMH001001	BC_DMH001001	BC_DMH000957	Irregular	Overflow	20		7.60	7.50					
BC_DMH001001_O: BC_DMH001001	BC_DMH001001	BC_AGE999670	Irregular	Overflow	20		7.60	7.50					
BC_DO000063_O BC_DO000063	BC_DO000063	BC_DO000061	Irregular	Overflow	20		4.00	3.90					
BC_DO000592_O BC_DO000592	BC_DO000592	BC_DO000612	Irregular	Overflow	20		4.30	4.20					
BC_DO000824_O BC_DO000824	BC_DO000824	BC_DO000825	Irregular	Overflow	20		4.85	4.80					
BC_DO000828_O BC_DO000828	BC_DO000828	BC_DO000061	Irregular	Overflow	20		3.45	3.40					
BC_DO000830_O BC_DO000830	BC_DO000830	BC_DO000831	Irregular	Overflow	20		3.30	3.20					
BC_DO000832_O BC_DO000832	BC_DO000832	BC_DO000833	Irregular	Overflow	20		4.00	3.90					
BC_DO000833_O BC_DO000833	BC_DO000833	BC_AGE999677	Irregular	Overflow	20		2.90	2.80					
BC_DO000834_O BC_DO000834	BC_DO000834	BC_DO000835	Irregular	Overflow	20		3.90	3.80					
BC_DO000836_O BC_DO000836	BC_DO000836	BC_DO000837	Irregular	Overflow	20		6.10	6.00					
BC_DS000028_O BC_DS000028	BC_DS000028	BC_DMH000644	Irregular	Overflow	20		5.60	5.50					
BC_DS000044_O BC_DS000044	BC_DS000044	BC_DS000028	Irregular	Overflow	20		6.30	6.20					
BC_DS000047_O1 BC_DS000047	BC_DS000047	BC_DMH000998	Irregular	Overflow	20		6.55	6.50					
BC_DS000047_O2 BC_DS000047	BC_DS000047	BC_DS000059	Irregular	Overflow	20		7.20	7.10					

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Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DS000047_O3	BC_DS000047	DW_DO000041	Irregular	Overflow	20		7.30	7.20					
BC_DS000059_O	BC_DS000059	BC_DS000028	Irregular	Overflow	20		7.00	6.90					
BC_DS001321_O1	BC_DS001321	BC_DS001325	Irregular	Overflow	20		4.55	4.50					
BC_DS001321_O2	BC_DS001321	DW_DS006970	Irregular	Overflow	20		5.35	5.30					
BC_DS001325_O	BC_DS001325	DW_DS001340	Irregular	Overflow	20		4.85	4.80					
BC_DS001427_O	BC_DS001427	DW_DMH000098	Irregular	Overflow	20		5.95	5.90					
BC_DS002144_O1	BC_DS002144	BC_DS002190	Irregular	Overflow	20		5.50	5.40					
BC_DS002144_O2	BC_DS002144	BH_DS002145	Irregular	Overflow	20		5.40	5.30					
BC_DS002177_O1	BC_DS002177	BC_DS001427	Irregular	Overflow	20		5.90	5.80					
BC_DS002177_O2	BC_DS002177	BH_DS002178	Irregular	Overflow	20		5.50	5.40					
BC_DS002177_O3	BC_DS002177	BC_DS002144	Irregular	Overflow	20		5.60	5.50					
BC_DS002184_O1	BC_DS002184	BH_DS002201	Irregular	Overflow	20		4.15	4.10					
BC_DS002184_O2	BC_DS002184	BC_DS002232	Irregular	Overflow	20		4.35	4.30					
BC_DS002187_O1	BC_DS002187	BH_DS002188	Irregular	Overflow	20		4.15	4.10					
BC_DS002187_O2	BC_DS002187	BC_AGE999786	Irregular	Overflow	20		4.70	4.60					
BC_DS002187_O3	BC_DS002187	BC_DS002184	Irregular	Overflow	20		4.15	4.10					
BC_DS002190_O	BC_DS002190	BH_DS002191	Irregular	Overflow	20		5.30	5.20					
BC_DS002192_O	BC_DS002192	BC_DS002187	Irregular	Overflow	20		4.85	4.80					
BC_DS002232_O1	BC_DS002232	BC_DO000079	Irregular	Overflow	20		4.30	4.20					
BC_DS002232_O2	BC_DS002232	BH_DS002231	Irregular	Overflow	20		4.30	4.20					
BC_DS002382_O	BC_DS002382	BC_AGE999704	Irregular	Overflow	20		8.05	8.00					
BC_DS002749_O1	BC_DS002749	BC_AGE999704	Irregular	Overflow	20		8.30	8.20					
BC_DS002749_O2	BC_DS002749	BC_DS007054	Irregular	Overflow	20		8.30	8.20					
BC_DS003653_O1	BC_DS003653	BC_FDOT9872	Irregular	Overflow	20		9.05	9.00					
BC_DS003653_O2	BC_DS003653	BC_AGE999292	Irregular	Overflow	20		8.40	8.30					
BC_DS006649_O	BC_DS006649	BC_DO000592	Irregular	Overflow	20		4.80	4.70					
BC_DS006675_O1	BC_DS006675	BC_AGE999671	Irregular	Overflow	20		5.55	5.50					
BC_DS006675_O2	BC_DS006675	BC_DS006677	Irregular	Overflow	20		5.25	5.20					
BC_DS006677_O	BC_DS006677	BC_DS006649	Irregular	Overflow	20		5.60	5.50					
BC_DS006939_O	BC_DS006939	BC_DO000028	Irregular	Overflow	20		4.40	4.30					
BC_DS006945_O	BC_DS006945	BC_DS006955	Irregular	Overflow	20		5.20	5.10					
BC_DS006947_O1	BC_DS006947	BC_DO000047	Irregular	Overflow	20		5.25	5.20					
BC_DS006947_O2	BC_DS006947	BC_DS006945	Irregular	Overflow	20		4.70	4.60					
BC_DS006947_O3	BC_DS006947	BC_DO000065	Irregular	Overflow	20		5.50	5.40					
BC_DS006950_O1	BC_DS006950	BC_DO000050	Irregular	Overflow	20		4.25	4.20					
BC_DS006950_O2	BC_DS006950	BC_DS006939	Irregular	Overflow	20		4.55	4.50					
BC_DS006952_O1	BC_DS006952	BC_DO000058	Irregular	Overflow	20		4.30	4.20					
BC_DS006952_O2	BC_DS006952	BC_DS006950	Irregular	Overflow	20		4.15	4.10					
BC_DS006955_O	BC_DS006955	BC_DS006956	Irregular	Overflow	20		4.55	4.50					
BC_DS006956_O	BC_DS006956	BC_DS006939	Irregular	Overflow	20		4.10	4.00					
BC_DS006959_O	BC_DS006959	BC_DO000053	Irregular	Overflow	20		5.05	5.00					
BC_DS006960_O1	BC_DS006960	BC_AGE999682	Irregular	Overflow	20		5.15	5.10					
BC_DS006960_O2	BC_DS006960	BC_DS006959	Irregular	Overflow	20		4.90	4.80					
BC_DS006968_O1	BC_DS006968	BC_DS001321	Irregular	Overflow	20		4.60	4.50					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_DS006968_O2	BC_DS006968	DW_DS006967	Irregular	Overflow	20		4.85	4.80					
BC_DS006968_O3	BC_DS006968	DW_DS002018	Irregular	Overflow	20		4.55	4.50					
BC_DS006968_O4	BC_DS006968	DW_AGE999863	Irregular	Overflow	20		4.85	4.80					
BC_DS006975_O1	BC_DS006975	BC_DS009292	Irregular	Overflow	20		4.10	4.00					
BC_DS006975_O2	BC_DS006975	BC_DS006952	Irregular	Overflow	20		4.60	4.50					
BC_DS006976_O	BC_DS006976	BC_DO000060	Irregular	Overflow	20		4.75	4.70					
BC_DS006979_O1	BC_DS006979	BC_DS006981	Irregular	Overflow	20		4.40	4.30					
BC_DS006979_O2	BC_DS006979	BC_DS006976	Irregular	Overflow	20		4.75	4.70					
BC_DS006981_O	BC_DS006981	BC_DO000063	Irregular	Overflow	20		4.55	4.50					
BC_DS006985_O1	BC_DS006985	BC_AGE999678	Irregular	Overflow	20		5.30	5.20					
BC_DS006985_O2	BC_DS006985	BC_DMH000053	Irregular	Overflow	20		4.85	4.80					
BC_DS006987_O1	BC_DS006987	BC_DS006959	Irregular	Overflow	20		4.30	4.20					
BC_DS006987_O2	BC_DS006987	BC_DS006985	Irregular	Overflow	20		4.75	4.70					
BC_DS007006_O	BC_DS007006	BC_FDOT15865	Irregular	Overflow	20		9.75	9.70					
BC_DS007019_O1	BC_DS007019	BC_DS007025	Irregular	Overflow	20		8.85	8.80					
BC_DS007019_O2	BC_DS007019	BP_DS007020	Irregular	Overflow	20		8.80	8.70					
BC_DS007025_O	BC_DS007025	BC_DS007062	Irregular	Overflow	20		8.75	8.70					
BC_DS007043_O1	BC_DS007043	BC_DS007044	Irregular	Overflow	20		8.15	8.10					
BC_DS007043_O2	BC_DS007043	BH_DS002409	Irregular	Overflow	20		7.85	7.80					
BC_DS007044_O1	BC_DS007044	BC_FDOT9913	Irregular	Overflow	20		8.55	8.50					
BC_DS007044_O2	BC_DS007044	BC_AGE999796	Irregular	Overflow	20		7.40	7.30					
BC_DS007044_O3	BC_DS007044	BC_AGE999281	Irregular	Overflow	20		7.40	7.30					
BC_DS007050_O1	BC_DS007050	BC_DS007066	Irregular	Overflow	20		8.70	8.60					
BC_DS007050_O2	BC_DS007050	BP_DS007049	Irregular	Overflow	20		9.10	9.00					
BC_DS007054_O	BC_DS007054	West-BC_Out6	Irregular	Overflow	20		7.35	7.30					
BC_DS007060_O1	BC_DS007060	BC_DS002749	Irregular	Overflow	20		8.90	8.80					
BC_DS007060_O2	BC_DS007060	BC_DS002382	Irregular	Overflow	20		8.45	8.40					
BC_DS007062_O	BC_DS007062	BC_DS002748	Irregular	Overflow	20		8.65	8.60					
BC_DS007064_O	BC_DS007064	BC_DS006981	Irregular	Overflow	20		4.45	4.40					
BC_DS007066_O	BC_DS007066	BC_DS007019	Irregular	Overflow	20		8.25	8.20					
BC_DS008738_O	BC_DS008738	BC_AGE999790	Irregular	Overflow	20		5.35	5.30					
BC_DS008739_O1	BC_DS008739	BH_AGE999817	Irregular	Overflow	20		5.50	5.40					
BC_DS008739_O2	BC_DS008739	BH_AGE999810	Irregular	Overflow	20		5.55	5.50					
BC_DS008739_O3	BC_DS008739	BC_DS008738	Irregular	Overflow	20		5.50	5.40					
BC_DS009292_O1	BC_DS009292	BC_DS006976	Irregular	Overflow	20		4.25	4.20					
BC_DS009292_O2	BC_DS009292	BC_DO000058	Irregular	Overflow	20		4.60	4.50					
BC_FDOT15869_O	BC_FDOT15869	BC_FDOT9872	Irregular	Overflow	20		9.45	9.40					
BC_FDOT15900_O1	BC_FDOT15900	BC_FDOT9913	Irregular	Overflow	20		8.25	8.20					
BC_FDOT15900_O2	BC_FDOT15900	BH_AGE999802	Irregular	Overflow	20		7.50	7.40					
BC_FDOT15900_O3	BC_FDOT15900	BH_DS002409	Irregular	Overflow	20		8.50	8.40					
BC_FDOT9872_O	BC_FDOT9872	BC_AGE999291	Irregular	Overflow	20		8.40	8.30					
BC_FDOT9901_O1	BC_FDOT9901	BC_FDOT9902	Irregular	Overflow	20		8.55	8.50					
BC_FDOT9901_O2	BC_FDOT9901	BH_AGE999802	Irregular	Overflow	20		7.35	7.30					
BC_FDOT9901_O3	BC_FDOT9901	BC_FDOT15900	Irregular	Overflow	20		8.35	8.30					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BC_FDOT9902_O	BC_FDOT9902	BC_FDOT9955	Irregular	Overflow	20		7.55	7.50					
BC_FDOT9913_O	BC_FDOT9913	BC_FDOT9902	Irregular	Overflow	20		8.35	8.30					
BC_FDOT9920_O	BC_FDOT9920	BC_AGE999253	Irregular	Overflow	20		7.25	7.20					
BC_FDOT9921_O	BC_FDOT9921	BC_FDOT9925	Irregular	Overflow	20		8.00	7.90					
BC_FDOT9924_O1	BC_FDOT9924	BC_AGE999250	Irregular	Overflow	20		6.85	6.80					
BC_FDOT9924_O2	BC_FDOT9924	BC_FDOT9926	Irregular	Overflow	20		7.00	6.90					
BC_FDOT9925_O	BC_FDOT9925	SBDD20	Irregular	Overflow	20		6.90	6.80					
BC_FDOT9926_O	BC_FDOT9926	BC_AGE999790	Irregular	Overflow	20		7.20	7.10					
BC_FDOT9927_O1	BC_FDOT9927	BC_FDOT9925	Irregular	Overflow	20		7.20	7.10					
BC_FDOT9927_O2	BC_FDOT9927	BC_FDOT9933	Irregular	Overflow	20		7.30	7.20					
BC_FDOT9932_O	BC_FDOT9932	BC_DS008738	Irregular	Overflow	20		7.10	7.00					
BC_FDOT9933_O1	BC_FDOT9933	BC_FDOT9935	Irregular	Overflow	20		7.25	7.20					
BC_FDOT9933_O2	BC_FDOT9933	BC_FDOT9932	Irregular	Overflow	20		7.20	7.10					
BC_FDOT9934_O1	BC_FDOT9934	BC_AGE999791	Irregular	Overflow	20		7.00	6.90					
BC_FDOT9934_O2	BC_FDOT9934	BC_FDOT9936	Irregular	Overflow	20		7.20	7.10					
BC_FDOT9936_O	BC_FDOT9936	BC_AGE999791	Irregular	Overflow	20		7.30	7.20					
BC_FDOT9937_O1	BC_FDOT9937	BC_FDOT9935	Irregular	Overflow	20		7.15	7.10					
BC_FDOT9937_O2	BC_FDOT9937	BC_FDOT9941	Irregular	Overflow	20		7.30	7.20					
BC_FDOT9940_O	BC_FDOT9940	BC_AGE999793	Irregular	Overflow	20		7.35	7.30					
BC_FDOT9942_O1	BC_FDOT9942	BH_AGE999809	Irregular	Overflow	20		7.65	7.60					
BC_FDOT9942_O2	BC_FDOT9942	BC_FDOT9940	Irregular	Overflow	20		7.60	7.50					
BC_FDOT9945_O1	BC_FDOT9945	BC_FDOT9941	Irregular	Overflow	20		7.60	7.50					
BC_FDOT9945_O2	BC_FDOT9945	BC_FDOT9942	Irregular	Overflow	20		8.00	7.90					
BC_FDOT9946_O1	BC_FDOT9946	BH_AGE999808	Irregular	Overflow	20		7.75	7.70					
BC_FDOT9946_O2	BC_FDOT9946	BC_FDOT9948	Irregular	Overflow	20		8.35	8.30					
BC_FDOT9948_O	BC_FDOT9948	BH_AGE999807	Irregular	Overflow	20		8.05	8.00					
BC_FDOT9949_O1	BC_FDOT9949	BC_FDOT9947	Irregular	Overflow	20		8.30	8.20					
BC_FDOT9949_O2	BC_FDOT9949	BC_FDOT9953	Irregular	Overflow	20		8.00	7.90					
BC_FDOT9952_O1	BC_FDOT9952	BH_AGE999806	Irregular	Overflow	20		7.80	7.70					
BC_FDOT9952_O2	BC_FDOT9952	BC_FDOT9954	Irregular	Overflow	20		7.55	7.50					
BC_FDOT9953_O	BC_FDOT9953	BC_FDOT9955	Irregular	Overflow	20		7.55	7.50					
BC_FDOT9954_O	BC_FDOT9954	BH_AGE999804	Irregular	Overflow	20		7.30	7.20					
BC_FDOT9955_O	BC_FDOT9955	BC_FDOT9954	Irregular	Overflow	20		7.80	7.70					
BC_FDOTNW02_O	BC_FDOTNW02	West-BC_Out4	Irregular	Overflow	20		5.40	5.30					
BC_FDOTNW07_O	BC_FDOTNW07	West-BC_Out3	Irregular	Overflow	20		5.30	5.20					
BC_FDOTNW09_O1	BC_FDOTNW09	DW_DS004786	Irregular	Overflow	20		4.80	4.70					
BC_FDOTNW09_O2	BC_FDOTNW09	BC_FDOTNW07	Irregular	Overflow	20		6.30	6.20					
BC_FDOTNW10_O1	BC_FDOTNW10	DW_DS002571	Irregular	Overflow	20		6.10	6.00					
BC_FDOTNW10_O2	BC_FDOTNW10	DW_DS002544	Irregular	Overflow	20		5.40	5.30					
BC_FDOTNW10_O3	BC_FDOTNW10	BC_FDOTNW02	Irregular	Overflow	20		6.40	6.30					
BC_FDOTNW11_O1	BC_FDOTNW11	BC_DS006675	Irregular	Overflow	20		6.10	6.00					
BC_FDOTNW11_O2	BC_FDOTNW11	DW_DS002571	Irregular	Overflow	20		6.45	6.40					
BC_FDOTNW11_O3	BC_FDOTNW11	BC_FDOTNW02	Irregular	Overflow	20		6.80	6.70					
BH_AGE999694_O1	BH_AGE999694	BH_DS007683	Irregular	Overflow	20		5.80	5.70					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BH_AGE999694_O2	BH_AGE999694	BH_DS008819	Irregular	Overflow	20		5.55	5.50					
BH_AGE999694_O3	BH_AGE999694	BH_DS009332	Irregular	Overflow	20		6.15	6.10					
BH_AGE999694_O4	BH_AGE999694	BH_AGE999843	Irregular	Overflow	20		5.75	5.70					
BH_AGE999797_O1	BH_AGE999797	BC_DS007043	Irregular	Overflow	20		7.90	7.80					
BH_AGE999797_O2	BH_AGE999797	BH_DS002409	Irregular	Overflow	20		8.15	8.10					
BH_AGE999798_O1	BH_AGE999798	BH_AGE999797	Irregular	Overflow	20		8.65	8.60					
BH_AGE999798_O2	BH_AGE999798	BH_DS002409	Irregular	Overflow	20		8.60	8.50					
BH_AGE999798_O3	BH_AGE999798	BH_AGE999799	Irregular	Overflow	20		8.80	8.70					
BH_AGE999799_O1	BH_AGE999799	BH_DS002409	Irregular	Overflow	20		8.55	8.50					
BH_AGE999799_O2	BH_AGE999799	BH_AGE999800	Irregular	Overflow	20		8.75	8.70					
BH_AGE999799_O3	BH_AGE999799	BH_DS002251	Irregular	Overflow	20		8.50	8.40					
BH_AGE999800_O1	BH_AGE999800	BH_AGE999802	Irregular	Overflow	20		7.60	7.50					
BH_AGE999800_O2	BH_AGE999800	BH_AGE999803	Irregular	Overflow	20		7.00	6.90					
BH_AGE999802_O	BH_AGE999802	BH_AGE999803	Irregular	Overflow	20		6.25	6.20					
BH_AGE999803_O1	BH_AGE999803	BH_AGE999804	Irregular	Overflow	20		5.75	5.70					
BH_AGE999803_O2	BH_AGE999803	BH_AGE999823	Irregular	Overflow	20		5.95	5.90					
BH_AGE999803_O3	BH_AGE999803	BH_AGE999822	Irregular	Overflow	20		6.00	5.90					
BH_AGE999804_O1	BH_AGE999804	BH_AGE999806	Irregular	Overflow	20		5.70	5.60					
BH_AGE999804_O2	BH_AGE999804	BH_AGE999805	Irregular	Overflow	20		5.70	5.60					
BH_AGE999805_O1	BH_AGE999805	BH_AGE999818	Irregular	Overflow	20		5.25	5.20					
BH_AGE999805_O2	BH_AGE999805	BH_AGE999820	Irregular	Overflow	20		5.50	5.40					
BH_AGE999806_O	BH_AGE999806	BH_AGE999818	Irregular	Overflow	20		5.65	5.60					
BH_AGE999807_O1	BH_AGE999807	BH_AGE999808	Irregular	Overflow	20		5.85	5.80					
BH_AGE999807_O2	BH_AGE999807	BH_AGE999818	Irregular	Overflow	20		5.80	5.70					
BH_AGE999808_O	BH_AGE999808	BH_AGE999809	Irregular	Overflow	20		5.05	5.00					
BH_AGE999810_O1	BH_AGE999810	BH_AGE999811	Irregular	Overflow	20		5.30	5.20					
BH_AGE999810_O2	BH_AGE999810	BH_DS002284	Irregular	Overflow	20		5.45	5.40					
BH_AGE999810_O3	BH_AGE999810	BH_AGE999817	Irregular	Overflow	20		5.50	5.40					
BH_AGE999811_O	BH_AGE999811	BH_AGE999899	Irregular	Overflow	20		5.45	5.40					
BH_AGE999812_O1	BH_AGE999812	BH_DS002203	Irregular	Overflow	20		5.25	5.20					
BH_AGE999812_O2	BH_AGE999812	BH_AGE999811	Irregular	Overflow	20		5.60	5.50					
BH_AGE999813_O1	BH_AGE999813	BH_AGE999812	Irregular	Overflow	20		6.05	6.00					
BH_AGE999813_O2	BH_AGE999813	BH_AGE999848	Irregular	Overflow	20		5.95	5.90					
BH_AGE999813_O3	BH_AGE999813	BH_DS001450	Irregular	Overflow	20		6.15	6.10					
BH_AGE999814_O1	BH_AGE999814	BH_AGE999815	Irregular	Overflow	20		5.65	5.60					
BH_AGE999814_O2	BH_AGE999814	BH_DS002284	Irregular	Overflow	20		5.65	5.60					
BH_AGE999816_O	BH_AGE999816	BH_AGE999809	Irregular	Overflow	20		5.40	5.30					
BH_AGE999817_O	BH_AGE999817	BH_AGE999815	Irregular	Overflow	20		5.50	5.40					
BH_AGE999818_O1	BH_AGE999818	BH_AGE999820	Irregular	Overflow	20		5.15	5.10					
BH_AGE999818_O2	BH_AGE999818	BH_AGE999819	Irregular	Overflow	20		5.05	5.00					
BH_AGE999819_O	BH_AGE999819	BH_DS005461	Irregular	Overflow	20		5.25	5.20					
BH_AGE999820_O1	BH_AGE999820	BH_AGE999843	Irregular	Overflow	20		5.20	5.10					
BH_AGE999820_O2	BH_AGE999820	BH_AGE999819	Irregular	Overflow	20		5.15	5.10					
BH_AGE999821_O1	BH_AGE999821	BH_AGE999694	Irregular	Overflow	20		5.70	5.60					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BH_AGE999821_O2	BH_AGE999821	BH_AGE999843	Irregular	Overflow	20		5.95	5.90					
BH_AGE999822_O1	BH_AGE999822	BH_AGE999820	Irregular	Overflow	20		6.05	6.00					
BH_AGE999822_O2	BH_AGE999822	BH_AGE999821	Irregular	Overflow	20		5.85	5.80					
BH_AGE999823_O1	BH_AGE999823	BH_AGE999822	Irregular	Overflow	20		5.75	5.70					
BH_AGE999823_O2	BH_AGE999823	BH_AGE999820	Irregular	Overflow	20		5.85	5.80					
BH_AGE999824_O1	BH_AGE999824	BH_DS008819	Irregular	Overflow	20		5.55	5.50					
BH_AGE999824_O2	BH_AGE999824	BH_AGE999694	Irregular	Overflow	20		5.80	5.70					
BH_AGE999825_O1	BH_AGE999825	BH_AGE999803	Irregular	Overflow	20		6.40	6.30					
BH_AGE999825_O2	BH_AGE999825	BH_AGE999822	Irregular	Overflow	20		6.55	6.50					
BH_AGE999826_O1	BH_AGE999826	BH_AGE999803	Irregular	Overflow	20		6.65	6.60					
BH_AGE999826_O2	BH_AGE999826	BH_AGE999825	Irregular	Overflow	20		6.70	6.60					
BH_AGE999826_O3	BH_AGE999826	BH_AGE999824	Irregular	Overflow	20		6.70	6.60					
BH_AGE999826_O4	BH_AGE999826	BH_AGE999827	Irregular	Overflow	20		6.80	6.70					
BH_AGE999827_O1	BH_AGE999827	BH_AGE999824	Irregular	Overflow	20		6.00	5.90					
BH_AGE999827_O2	BH_AGE999827	BH_DS008819	Irregular	Overflow	20		6.15	6.10					
BH_AGE999828_O1	BH_AGE999828	BH_NID10272	Irregular	Overflow	20		8.00	7.90					
BH_AGE999828_O2	BH_AGE999828	BH_DS002239	Irregular	Overflow	20		8.00	7.90					
BH_AGE999828_O3	BH_AGE999828	BH_AGE999829	Irregular	Overflow	20		8.35	8.30					
BH_AGE999829_O1	BH_AGE999829	BH_AGE999832	Irregular	Overflow	20		7.80	7.70					
BH_AGE999829_O2	BH_AGE999829	BH_AGE999830	Irregular	Overflow	20		7.70	7.60					
BH_AGE999830_O1	BH_AGE999830	BH_AGE999827	Irregular	Overflow	20		6.55	6.50					
BH_AGE999830_O2	BH_AGE999830	BH_DS008819	Irregular	Overflow	20		6.40	6.30					
BH_AGE999830_O3	BH_AGE999830	BH_DS001447	Irregular	Overflow	20		6.75	6.70					
BH_AGE999830_O4	BH_AGE999830	BH_AGE999831	Irregular	Overflow	20		6.85	6.80					
BH_AGE999831	BH_AGE999831	BH_DS000136	Irregular	Overflow	20		5.65	5.60					
BH_AGE999831_O1	BH_AGE999831	BH_DS008819	Irregular	Overflow	20		5.60	5.50					
BH_AGE999832_O1	BH_AGE999832	BH_AGE999836	Irregular	Overflow	20		7.65	7.60					
BH_AGE999832_O2	BH_AGE999832	BH_AGE999831	Irregular	Overflow	20		7.60	7.50					
BH_AGE999833_O1	BH_AGE999833	BH_DO000077	Irregular	Overflow	20		7.10	7.00					
BH_AGE999833_O2	BH_AGE999833	BH_DS002094	Irregular	Overflow	20		7.10	7.00					
BH_AGE999834_O1	BH_AGE999834	BH_DO000076	Irregular	Overflow	20		7.90	7.80					
BH_AGE999834_O2	BH_AGE999834	BH_DS002094	Irregular	Overflow	20		7.50	7.40					
BH_AGE999835_O1	BH_AGE999835	BH_AGE999836	Irregular	Overflow	20		6.05	6.00					
BH_AGE999835_O2	BH_AGE999835	BH_AGE999837	Irregular	Overflow	20		6.15	6.10					
BH_AGE999835_O3	BH_AGE999835	BH_DS001429	Irregular	Overflow	20		6.30	6.20					
BH_AGE999836_O	BH_AGE999836	BH_AGE999837	Irregular	Overflow	20		6.05	6.00					
BH_AGE999837_O	BH_AGE999837	BH_AGE999831	Irregular	Overflow	20		6.00	5.90					
BH_AGE999838_O1	BH_AGE999838	BH_AGE999835	Irregular	Overflow	20		6.45	6.40					
BH_AGE999838_O2	BH_AGE999838	BH_AGE999831	Irregular	Overflow	20		6.40	6.30					
BH_AGE999839_O1	BH_AGE999839	BH_DS002157	Irregular	Overflow	20		5.95	5.90					
BH_AGE999839_O2	BH_AGE999839	BH_DS000135	Irregular	Overflow	20		5.80	5.70					
BH_AGE999840_O1	BH_AGE999840	BH_DS002157	Irregular	Overflow	20		5.70	5.60					
BH_AGE999840_O2	BH_AGE999840	BH_DS000135	Irregular	Overflow	20		5.65	5.60					
BH_AGE999840_O3	BH_AGE999840	BH_DS002181	Irregular	Overflow	20		5.55	5.50					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BH_AGE999841_O1	BH_AGE999841	BH_AGE999845	Irregular	Overflow	20		5.55	5.50					
BH_AGE999841_O2	BH_AGE999841	BH_DS002186	Irregular	Overflow	20		5.80	5.70					
BH_AGE999842_O1	BH_AGE999842	BH_AGE999841	Irregular	Overflow	20		5.65	5.60					
BH_AGE999842_O2	BH_AGE999842	BH_DS005461	Irregular	Overflow	20		5.80	5.70					
BH_AGE999842_O3	BH_AGE999842	BH_AGE999843	Irregular	Overflow	20		5.70	5.60					
BH_AGE999843_O	BH_AGE999843	BH_DS005461	Irregular	Overflow	20		5.50	5.40					
BH_AGE999844_O1	BH_AGE999844	BH_AGE999845	Irregular	Overflow	20		5.70	5.60					
BH_AGE999844_O2	BH_AGE999844	BH_AGE999847	Irregular	Overflow	20		5.70	5.60					
BH_AGE999845_O1	BH_AGE999845	BH_AGE999852	Irregular	Overflow	20		5.80	5.70					
BH_AGE999845_O2	BH_AGE999845	BH_AGE999846	Irregular	Overflow	20		5.65	5.60					
BH_AGE999846_O1	BH_AGE999846	BH_AGE999847	Irregular	Overflow	20		5.80	5.70					
BH_AGE999846_O2	BH_AGE999846	BH_AGE999844	Irregular	Overflow	20		5.75	5.70					
BH_AGE999846_O3	BH_AGE999846	BH_AGE999850	Irregular	Overflow	20		5.95	5.90					
BH_AGE999846_O4	BH_AGE999846	BH_AGE999852	Irregular	Overflow	20		5.90	5.80					
BH_AGE999847_O1	BH_AGE999847	BH_AGE999848	Irregular	Overflow	20		5.80	5.70					
BH_AGE999847_O2	BH_AGE999847	BH_AGE999850	Irregular	Overflow	20		6.00	5.90					
BH_AGE999848_O1	BH_AGE999848	BH_AGE999849	Irregular	Overflow	20		5.90	5.80					
BH_AGE999848_O2	BH_AGE999848	BH_AGE999812	Irregular	Overflow	20		5.95	5.90					
BH_AGE999848_O3	BH_AGE999848	BH_AGE999850	Irregular	Overflow	20		5.85	5.80					
BH_AGE999849_O1	BH_AGE999849	BH_AGE999812	Irregular	Overflow	20		5.55	5.50					
BH_AGE999849_O2	BH_AGE999849	BH_DS002203	Irregular	Overflow	20		5.35	5.30					
BH_AGE999850_O1	BH_AGE999850	BH_DS002197	Irregular	Overflow	20		5.20	5.10					
BH_AGE999850_O2	BH_AGE999850	BH_DS002208	Irregular	Overflow	20		5.55	5.50					
BH_AGE999851_O	BH_AGE999851	BH_DS002180	Irregular	Overflow	20		4.35	4.30					
BH_AGE999852_O1	BH_AGE999852	BH_DM000073	Irregular	Overflow	20		5.80	5.70					
BH_AGE999852_O2	BH_AGE999852	BH_AGE999851	Irregular	Overflow	20		5.75	5.70					
BH_AGE999899_O1	BH_AGE999899	BC_AGE999788	Irregular	Overflow	20		5.30	5.20					
BH_AGE999899_O2	BH_AGE999899	BH_DS002203	Irregular	Overflow	20		5.55	5.50					
BH_DM000055_O	BH_DM000055	BH_DS001429	Irregular	Overflow	20		7.50	7.40					
BH_DM000055_O	BH_DM000055	DW_AGE999856	Irregular	Overflow	20		7.40	7.30					
BH_DM000071_O	BH_DM000071	BH_DM000073	Irregular	Overflow	20		5.80	5.70					
BH_DM000071_O	BH_DM000071	DW_DM000098	Irregular	Overflow	20		5.90	5.80					
BH_DO000078_O	BH_DO000078	BC_DO000079	Irregular	Overflow	20		4.20	4.10					
BH_DO000089_O1	BH_DO000089	BH_AGE999798	Irregular	Overflow	20		8.60	8.50					
BH_DO000089_O2	BH_DO000089	BH_AGE999280	Irregular	Overflow	20		8.50	8.40					
BH_DO000089_O3	BH_DO000089	BH_DS002251	Irregular	Overflow	20		8.75	8.70					
BH_DS000135_O1	BH_DS000135	BH_DS000257	Irregular	Overflow	20		5.80	5.70					
BH_DS000135_O2	BH_DS000135	BH_AGE999841	Irregular	Overflow	20		5.60	5.50					
BH_DS000135_O3	BH_DS000135	BH_DS002181	Irregular	Overflow	20		5.75	5.70					
BH_DS000136_O	BH_DS000136	BH_DS000135	Irregular	Overflow	20		5.35	5.30					
BH_DS000257_O1	BH_DS000257	BH_AGE999843	Irregular	Overflow	20		5.80	5.70					
BH_DS000257_O2	BH_DS000257	BH_AGE999842	Irregular	Overflow	20		5.80	5.70					
BH_DS001370_O1	BH_DS001370	BH_DS000135	Irregular	Overflow	20		5.60	5.50					
BH_DS001370_O2	BH_DS001370	BH_AGE999839	Irregular	Overflow	20		5.85	5.80					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BH_DS001412_O1	BH_DS001412	BH_DS002186	Irregular	Overflow	20		5.95	5.90					
BH_DS001412_O2	BH_DS001412	BH_DS001414	Irregular	Overflow	20		5.95	5.90					
BH_DS001412_O3	BH_DS001412	DW_DS001433	Irregular	Overflow	20		5.95	5.90					
BH_DS001412_O4	BH_DS001412	BH_AGE999852	Irregular	Overflow	20		5.80	5.70					
BH_DS001414_O	BH_DS001414	BH_DMH000071	Irregular	Overflow	20		5.95	5.90					
BH_DS001424_O1	BH_DS001424	BH_DS001438	Irregular	Overflow	20		6.00	5.90					
BH_DS001424_O2	BH_DS001424	BH_AGE999839	Irregular	Overflow	20		6.10	6.00					
BH_DS001424_O3	BH_DS001424	BH_DS002157	Irregular	Overflow	20		5.55	5.50					
BH_DS001428_O1	BH_DS001428	BH_DMH000073	Irregular	Overflow	20		5.80	5.70					
BH_DS001428_O2	BH_DS001428	BC_DS001427	Irregular	Overflow	20		5.55	5.50					
BH_DS001429_O	BH_DS001429	BH_DS001438	Irregular	Overflow	20		5.80	5.70					
BH_DS001438_O	BH_DS001438	BH_AGE999839	Irregular	Overflow	20		5.85	5.80					
BH_DS001441_O	BH_DS001441	BH_DO000077	Irregular	Overflow	20		12.60	12.50					
BH_DS001445_O	BH_DS001445	BH_AGE999844	Irregular	Overflow	20		5.55	5.50					
BH_DS001447_O1	BH_DS001447	BH_DS008819	Irregular	Overflow	20		5.95	5.90					
BH_DS001447_O2	BH_DS001447	BH_AGE999831	Irregular	Overflow	20		5.80	5.70					
BH_DS001450_O1	BH_DS001450	BH_AGE999819	Irregular	Overflow	20		5.85	5.80					
BH_DS001450_O2	BH_DS001450	BH_DS001445	Irregular	Overflow	20		6.00	5.90					
BH_DS002094_O	BH_DS002094	BH_AGE999836	Irregular	Overflow	20		7.05	7.00					
BH_DS002095_O	BH_DS002095	BH_DO000074	Irregular	Overflow	20		5.00	4.90					
BH_DS002138_O1	BH_DS002138	BH_DS002145	Irregular	Overflow	20		5.65	5.60					
BH_DS002138_O2	BH_DS002138	BH_DS002197	Irregular	Overflow	20		5.05	5.00					
BH_DS002142_O1	BH_DS002142	DW_DS002152	Irregular	Overflow	20		5.55	5.50					
BH_DS002142_O2	BH_DS002142	BH_DS002186	Irregular	Overflow	20		5.75	5.70					
BH_DS002142_O3	BH_DS002142	BH_DS002181	Irregular	Overflow	20		5.60	5.50					
BH_DS002145_O	BH_DS002145	BH_DS002191	Irregular	Overflow	20		5.55	5.50					
BH_DS002148_O1	BH_DS002148	BH_DO000073	Irregular	Overflow	20		8.25	8.20					
BH_DS002148_O2	BH_DS002148	BH_AGE999834	Irregular	Overflow	20		8.20	8.10					
BH_DS002153_O	BH_DS002153	BH_DS002171	Irregular	Overflow	20		8.20	8.10					
BH_DS002157_O1	BH_DS002157	DW_DS009246	Irregular	Overflow	20		5.45	5.40					
BH_DS002157_O2	BH_DS002157	BH_DS002181	Irregular	Overflow	20		5.75	5.70					
BH_DS002166_O1	BH_DS002166	BH_DS001428	Irregular	Overflow	20		5.85	5.80					
BH_DS002166_O2	BH_DS002166	BH_DS002178	Irregular	Overflow	20		5.90	5.80					
BH_DS002171_O1	BH_DS002171	BH_AGE999834	Irregular	Overflow	20		7.80	7.70					
BH_DS002171_O2	BH_DS002171	BH_DS002094	Irregular	Overflow	20		7.60	7.50					
BH_DS002178_O1	BH_DS002178	BH_AGE999851	Irregular	Overflow	20		5.25	5.20					
BH_DS002178_O2	BH_DS002178	BH_DS002138	Irregular	Overflow	20		5.50	5.40					
BH_DS002180_O	BH_DS002180	BH_DS002197	Irregular	Overflow	20		4.45	4.40					
BH_DS002181_O	BH_DS002181	DW_DS002119	Irregular	Overflow	20		5.30	5.20					
BH_DS002186_O1	BH_DS002186	BH_DS002181	Irregular	Overflow	20		5.80	5.70					
BH_DS002188_O	BH_DS002188	BH_DS002201	Irregular	Overflow	20		4.15	4.10					
BH_DS002191_O	BH_DS002191	BH_DS002193	Irregular	Overflow	20		5.40	5.30					
BH_DS002193_O1	BH_DS002193	BC_DS002192	Irregular	Overflow	20		5.10	5.00					
BH_DS002193_O2	BH_DS002193	BH_DS002188	Irregular	Overflow	20		5.00	4.90					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BH_DS002197_O1	BH_DS002197	BH_DO000074	Irregular	Overflow	20		5.05	5.00					
BH_DS002197_O2	BH_DS002197	BH_DS002201	Irregular	Overflow	20		4.55	4.50					
BH_DS002201_O1	BH_DS002201	BH_DS002231	Irregular	Overflow	20		4.40	4.30					
BH_DS002203_O	BH_DS002203	BH_DS002208	Irregular	Overflow	20		4.50	4.40					
BH_DS002205_O	BC_DS002205	BC_DO000079	Irregular	Overflow	20		4.20	4.10					
BH_DS002206_O1	BH_DS002206	BH_DO000078	Irregular	Overflow	20		4.15	4.10					
BH_DS002206_O2	BH_DS002206	BC_DS002205	Irregular	Overflow	20		4.15	4.10					
BH_DS002208_O	BH_DS002208	BH_DS002206	Irregular	Overflow	20		4.20	4.10					
BH_DS002211_O	BH_DS002211	BH_DS002229	Irregular	Overflow	20		16.80	16.70					
BH_DS002229_O	BH_DS002229	BH_DO000077	Irregular	Overflow	20		12.65	12.60					
BH_DS002231_O1	BH_DS002231	BH_DS002095	Irregular	Overflow	20		4.55	4.50					
BH_DS002231_O2	BH_DS002231	BH_DO000078	Irregular	Overflow	20		4.30	4.20					
BH_DS002239_O1	BH_DS002239	BH_DS002246	Irregular	Overflow	20		8.30	8.20					
BH_DS002239_O2	BH_DS002239	BH_AGE999829	Irregular	Overflow	20		7.70	7.60					
BH_DS002239_O3	BH_DS002239	BH_AGE999830	Irregular	Overflow	20		7.70	7.60					
BH_DS002246_O	BH_DS002246	BH_NID10272	Irregular	Overflow	20		8.40	8.30					
BH_DS002249_O1	BH_DS002249	BH_DS002246	Irregular	Overflow	20		8.30	8.20					
BH_DS002249_O2	BH_DS002249	BH_NID10273	Irregular	Overflow	20		8.40	8.30					
BH_DS002251_O1	BH_DS002251	BH_DS002249	Irregular	Overflow	20		8.25	8.20					
BH_DS002251_O2	BH_DS002251	BH_DS002239	Irregular	Overflow	20		7.85	7.80					
BH_DS002251_O3	BH_DS002251	BH_AGE999827	Irregular	Overflow	20		7.55	7.50					
BH_DS002269_O1	BH_DS002269	BH_AGE999811	Irregular	Overflow	20		5.55	5.50					
BH_DS002269_O2	BH_DS002269	BH_AGE999812	Irregular	Overflow	20		5.50	5.40					
BH_DS002284_O1	BH_DS002284	BH_AGE999817	Irregular	Overflow	20		5.60	5.50					
BH_DS002284_O2	BH_DS002284	BH_AGE999811	Irregular	Overflow	20		5.60	5.50					
BH_DS002434_O	BH_DS002434	BH_AGE999798	Irregular	Overflow	20		10.60	10.50					
BH_DS004219_O1	BH_DS004219	BH_DMH000055	Irregular	Overflow	20		7.80	7.70					
BH_DS004219_O2	BH_DS004219	BH_AGE999835	Irregular	Overflow	20		7.70	7.60					
BH_DS005461_O	BH_DS005461	BH_AGE999844	Irregular	Overflow	20		5.75	5.70					
BH_DS007683_O1	BH_DS007683	BH_DS008819	Irregular	Overflow	20		6.25	6.20					
BH_DS007683_O2	BH_DS007683	BH_DS000136	Irregular	Overflow	20		5.80	5.70					
BH_DS008311_O1	BH_DS008311	BH_AGE999809	Irregular	Overflow	20		5.20	5.10					
BH_DS008311_O2	BH_DS008311	BH_AGE999815	Irregular	Overflow	20		5.50	5.40					
BH_DS008769_O1	BH_DS008769	BH_DS001445	Irregular	Overflow	20		6.20	6.10					
BH_DS008769_O2	BH_DS008769	BH_AGE999848	Irregular	Overflow	20		5.95	5.90					
BH_DS008819_O	BH_DS008819	BH_DS000136	Irregular	Overflow	20		5.65	5.60					
BH_DS008822_O1	BH_DS008822	BH_DS000136	Irregular	Overflow	20		5.45	5.40					
BH_DS008822_O2	BH_DS008822	BH_DS001370	Irregular	Overflow	20		5.55	5.50					
BH_DS009332_O1	BH_DS009332	BH_DS000136	Irregular	Overflow	20		5.60	5.50					
BH_DS009332_O2	BH_DS009332	BH_DS000135	Irregular	Overflow	20		5.70	5.60					
BP_AGE999693_O1	BP_AGE999693	BP_DS007032	Irregular	Overflow	20		8.30	8.20					
BP_AGE999693_O2	BP_AGE999693	BP_AGE999726	Irregular	Overflow	20		8.60	8.50					
BP_AGE999707_O	BP_AGE999707	BC_AGE999706	Irregular	Overflow	20		7.65	7.60					
BP_AGE999708_O1	BP_AGE999708	BP_DS004276	Irregular	Overflow	20		7.80	7.70					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BP_AGE999708_O2	BP_AGE999708	BP_AGE999707	Irregular	Overflow	20		7.90	7.80					
BP_AGE999709_O	BP_AGE999709	BP_AGE999707	Irregular	Overflow	20		7.85	7.80					
BP_AGE999710_O	BP_AGE999710	BP_AGE999709	Irregular	Overflow	20		8.05	8.00					
BP_AGE999711_O1	BP_AGE999711	BP_AGE999708	Irregular	Overflow	20		8.85	8.80					
BP_AGE999711_O2	BP_AGE999711	BP_AGE999709	Irregular	Overflow	20		8.60	8.50					
BP_AGE999711_O3	BP_AGE999711	BP_AGE999710	Irregular	Overflow	20		8.35	8.30					
BP_AGE999712_O1	BP_AGE999712	BP_AGE999711	Irregular	Overflow	20		8.25	8.20					
BP_AGE999712_O2	BP_AGE999712	BP_DS002336	Irregular	Overflow	20		8.35	8.30					
BP_AGE999713_O1	BP_AGE999713	BP_AGE999712	Irregular	Overflow	20		9.05	9.00					
BP_AGE999713_O2	BP_AGE999713	BP_AGE999714	Irregular	Overflow	20		9.10	9.00					
BP_AGE999714_O1	BP_AGE999714	BP_DS002336	Irregular	Overflow	20		8.80	8.70					
BP_AGE999714_O2	BP_AGE999714	BP_AGE999716	Irregular	Overflow	20		8.90	8.80					
BP_AGE999715_O	BP_AGE999715	BP_AGE999714	Irregular	Overflow	20		8.30	8.20					
BP_AGE999716_O1	BP_AGE999716	BP_DS002336	Irregular	Overflow	20		8.80	8.70					
BP_AGE999716_O2	BP_AGE999716	BP_AGE999710	Irregular	Overflow	20		8.85	8.80					
BP_AGE999717_O	BP_AGE999717	BC_AGE999288	Irregular	Overflow	20		8.35	8.30					
BP_AGE999718_O1	BP_AGE999718	BP_AGE999717	Irregular	Overflow	20		8.45	8.40					
BP_AGE999718_O2	BP_AGE999718	BP_DS002310	Irregular	Overflow	20		8.40	8.30					
BP_AGE999718_O3	BP_AGE999718	BP_AGE999707	Irregular	Overflow	20		8.55	8.50					
BP_AGE999719_O1	BP_AGE999719	BP_AGE999714	Irregular	Overflow	20		8.95	8.90					
BP_AGE999719_O2	BP_AGE999719	BP_AGE999718	Irregular	Overflow	20		8.85	8.80					
BP_AGE999719_O3	BP_AGE999719	BP_DS004272	Irregular	Overflow	20		8.50	8.40					
BP_AGE999720_O	BP_AGE999720	BC_AGE999288	Irregular	Overflow	20		8.30	8.20					
BP_AGE999721_O1	BP_AGE999721	BP_DS002310	Irregular	Overflow	20		8.15	8.10					
BP_AGE999721_O2	BP_AGE999721	BC_AGE999288	Irregular	Overflow	20		8.35	8.30					
BP_AGE999721_O3	BP_AGE999721	BP_AGE999724	Irregular	Overflow	20		8.10	8.00					
BP_AGE999722_O	BP_AGE999722	BP_AGE999723	Irregular	Overflow	20		8.30	8.20					
BP_AGE999723_O	BP_AGE999723	BP_AGE999725	Irregular	Overflow	20		7.65	7.60					
BP_AGE999724_O	BP_AGE999724	BC_AGE999289	Irregular	Overflow	20		6.80	6.70					
BP_AGE999725_O	BP_AGE999725	BP_AGE999724	Irregular	Overflow	20		7.15	7.10					
BP_AGE999726_O1	BP_AGE999726	BP_AGE999724	Irregular	Overflow	20		8.05	8.00					
BP_AGE999726_O2	BP_AGE999726	BP_AGE999725	Irregular	Overflow	20		7.80	7.70					
BP_DMH001948_O:BP_DMH001948	BP_DMH001948	WP_DS009594	Irregular	Overflow	20		9.70	9.60					
BP_DMH001948_O:BP_DMH001948	BP_DMH001948	BP_DS009589	Irregular	Overflow	20		9.20	9.10					
BP_DMH001963_O:BP_DMH001963	BP_DMH001963	BP_DS008162	Irregular	Overflow	20		8.55	8.50					
BP_DMH001963_O:BP_DMH001963	BP_DMH001963	WP_DMH001964	Irregular	Overflow	20		9.30	9.20					
BP_DMH001975_O:BP_DMH001975	BP_DMH001975	BP_AGE999722	Irregular	Overflow	20		8.50	8.40					
BP_DMH001975_O:BP_DMH001975	BP_DMH001975	LA_DS009619	Irregular	Overflow	20		8.55	8.50					
BP_DMH001975_O:BP_DMH001975	BP_DMH001975	BP_DS002308	Irregular	Overflow	20		9.05	9.00					
BP_DO000865_O	BP_DO000865	BP_AGE999693	Irregular	Overflow	20		8.90	8.80					
BP_DS002308_O1	BP_DS002308	BP_DS004272	Irregular	Overflow	20		8.00	7.90					
BP_DS002308_O2	BP_DS002308	BP_AGE999721	Irregular	Overflow	20		8.00	7.90					
BP_DS002308_O3	BP_DS002308	BP_AGE999723	Irregular	Overflow	20		8.05	8.00					
BP_DS002310_O	BP_DS002310	BP_AGE999717	Irregular	Overflow	20		8.25	8.20					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BP_DS002336_O	BP_DS002336	BP_AGE999710	Irregular	Overflow	20		8.30	8.20					
BP_DS002374_O1	BP_DS002374	BP_DS002377	Irregular	Overflow	20		8.90	8.80					
BP_DS002374_O2	BP_DS002374	BP_DS002379	Irregular	Overflow	20		9.00	8.90					
BP_DS002377_O	BP_DS002377	BP_DO000116	Irregular	Overflow	20		9.60	9.50					
BP_DS002378_O	BP_DS002378	BP_AGE999726	Irregular	Overflow	20		8.80	8.70					
BP_DS002379_O	BP_DS002379	BP_DS002378	Irregular	Overflow	20		8.65	8.60					
BP_DS002427_O1	BP_DS002427	BP_AGE999715	Irregular	Overflow	20		9.15	9.10					
BP_DS002427_O2	BP_DS002427	BP_AGE999714	Irregular	Overflow	20		8.90	8.80					
BP_DS002427_O3	BP_DS002427	BP_DMH001948	Irregular	Overflow	20		9.20	9.10					
BP_DS004272_O1	BP_DS004272	BP_DS002310	Irregular	Overflow	20		8.10	8.00					
BP_DS004272_O2	BP_DS004272	BP_DS008162	Irregular	Overflow	20		8.45	8.40					
BP_DS004276_O1	BP_DS004276	BC_DS002382	Irregular	Overflow	20		6.50	6.40					
BP_DS004276_O2	BP_DS004276	BP_AGE999707	Irregular	Overflow	20		7.60	7.50					
BP_DS006997_O1	BP_DS006997	BC_AGE999281	Irregular	Overflow	20		7.55	7.50					
BP_DS006997_O2	BP_DS006997	BP_DS002374	Irregular	Overflow	20		8.65	8.60					
BP_DS007009_O	BP_DS007009	BC_DS007006	Irregular	Overflow	20		9.70	9.60					
BP_DS007009_O1	BP_DS007009	BP_AGE999712	Irregular	Overflow	20		9.40	9.30					
BP_DS007009_O2	BP_DS007009	BP_AGE999713	Irregular	Overflow	20		9.30	9.20					
BP_DS007011_O	BP_DS007011	BP_DS007009	Irregular	Overflow	20		9.75	9.70					
BP_DS007020_O1	BP_DS007020	BP_DS004276	Irregular	Overflow	20		8.10	8.00					
BP_DS007020_O2	BP_DS007020	BP_AGE999708	Irregular	Overflow	20		8.40	8.30					
BP_DS007032_O1	BP_DS007032	441_DS006996	Irregular	Overflow	20		8.35	8.30					
BP_DS007032_O2	BP_DS007032	BP_DS002295	Irregular	Overflow	20		8.00	7.90					
BP_DS007033_O1	BP_DS007033	BP_DS002378	Irregular	Overflow	20		8.70	8.60					
BP_DS007033_O2	BP_DS007033	BP_DS007032	Irregular	Overflow	20		8.90	8.80					
BP_DS007049_O1	BP_DS007049	BP_DS007065	Irregular	Overflow	20		8.70	8.60					
BP_DS007049_O2	BP_DS007049	BP_AGE999708	Irregular	Overflow	20		8.85	8.80					
BP_DS007049_O3	BP_DS007049	BP_AGE999711	Irregular	Overflow	20		8.55	8.50					
BP_DS007049_O4	BP_DS007049	BP_AGE999712	Irregular	Overflow	20		8.65	8.60					
BP_DS007061_O	BP_DS007061	BP_DS004276	Irregular	Overflow	20		8.40	8.30					
BP_DS007065_O	BP_DS007065	BP_DS007020	Irregular	Overflow	20		8.20	8.10					
BP_DS008162_O	BP_DS008162	BP_AGE999719	Irregular	Overflow	20		8.30	8.20					
BP_DS009589_O1	BP_DS009589	BP_DS007009	Irregular	Overflow	20		9.80	9.70					
BP_DS009589_O2	BP_DS009589	BP_DS007011	Irregular	Overflow	20		10.15	10.10					
BP_DS009589_O3	BP_DS009589	WP_DS009590	Irregular	Overflow	20		9.90	9.80					
BP_DS009600_O1	BP_DS009600	BP_DS002427	Irregular	Overflow	20		9.25	9.20					
BP_DS009600_O2	BP_DS009600	BP_AGE999715	Irregular	Overflow	20		9.40	9.30					
BP_DS009605_O1	BP_DS009605	BP_DMH001963	Irregular	Overflow	20		8.50	8.40					
BP_DS009605_O2	BP_DS009605	BP_DS009600	Irregular	Overflow	20		9.55	9.50					
BP_DS009605_O3	BP_DS009605	BP_AGE999715	Irregular	Overflow	20		9.25	9.20					
BP_DS009622_O	BP_DS009622	BP_DMH001975	Irregular	Overflow	20		9.00	8.90					
BP_DS009624_O1	BP_DS009624	BP_AGE999722	Irregular	Overflow	20		8.95	8.90					
BP_DS009624_O2	BP_DS009624	BP_DS009622	Irregular	Overflow	20		9.35	9.30					
BP_DS009625_O	BP_DS009625	BP_AGE999722	Irregular	Overflow	20		8.40	8.30					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
BP_DS009627_O1	BP_DS009627	LA_DM000796	Irregular	Overflow	20		8.40	8.30					
BP_DS009627_O2	BP_DS009627	BP_DS009625	Irregular	Overflow	20		8.00	7.90					
BP_DS009635_O1	BP_DS009635	BP_DS002295	Irregular	Overflow	20		8.30	8.20					
BP_DS009635_O2	BP_DS009635	LA_DS009633	Irregular	Overflow	20		8.90	8.80					
BP_DS009635_O3	BP_DS009635	BP_DS009627	Irregular	Overflow	20		8.50	8.40					
CH_AGE999689_O	CH_AGE999689	CH_AGE999870	Irregular	Overflow	20		4.75	4.70					
CH_AGE999868_O1	CH_AGE999868	CH_AGE999689	Irregular	Overflow	20		4.80	4.70					
CH_AGE999868_O2	CH_AGE999868	CH_AGE999869	Irregular	Overflow	20		4.95	4.90					
CH_AGE999869_O	CH_AGE999869	CH_AGE999689	Irregular	Overflow	20		4.50	4.40					
CH_AGE999870_O	CH_AGE999870	CH_AGE999871	Irregular	Overflow	20		4.75	4.70					
CH_AGE999871_O	CH_AGE999871	CH_AGE999686	Irregular	Overflow	20		4.85	4.80					
CH_AGE999872_O	CH_AGE999872	CH_AGE999871	Irregular	Overflow	20		5.20	5.10					
CH_AGE999873_O1	CH_AGE999873	CH_DS004792	Irregular	Overflow	20		4.80	4.70					
CH_AGE999873_O2	CH_AGE999873	CH_AGE999869	Irregular	Overflow	20		4.85	4.80					
CH_AGE999873_O3	CH_AGE999873	CH_AGE999872	Irregular	Overflow	20		5.30	5.20					
CH_AGE999874_O1	CH_AGE999874	BC_AGE999775	Irregular	Overflow	20		7.20	7.10					
CH_AGE999874_O2	CH_AGE999874	CH_AGE999873	Irregular	Overflow	20		7.00	6.90					
CH_DS001529_O	CH_DS001529	CH_DS001530	Irregular	Overflow	20		5.40	5.30					
CH_DS001530_O	CH_DS001530	DW_DS002347	Irregular	Overflow	20		5.55	5.50					
CH_DS001531_O1	CH_DS001531	DW_DS001515	Irregular	Overflow	20		5.50	5.40					
CH_DS001531_O2	CH_DS001531	CH_DS001530	Irregular	Overflow	20		5.40	5.30					
CH_DS001533_O1	CH_DS001533	CH_DS001529	Irregular	Overflow	20		5.65	5.60					
CH_DS001533_O2	CH_DS001533	DW_NID10095	Irregular	Overflow	20		5.75	5.70					
CH_DS001533_O3	CH_DS001533	DW_DS000275	Irregular	Overflow	20		5.70	5.60					
CH_DS001533_O4	CH_DS001533	CH_DM000126	Irregular	Overflow	20		5.35	5.30					
CH_DS002004_O	CH_DS002004	CH_DS002009	Irregular	Overflow	20		4.95	4.90					
CH_DS002009_O1	CH_DS002009	CH_DM000126	Irregular	Overflow	20		4.55	4.50					
CH_DS002009_O2	CH_DS002009	DW_DM000005	Irregular	Overflow	20		4.65	4.60					
CH_DS002617_O1	CH_DS002617	CH_DS002004	Irregular	Overflow	20		4.90	4.80					
CH_DS002617_O2	CH_DS002617	DW_DM000125	Irregular	Overflow	20		4.95	4.90					
CH_DS004792_O1	CH_DS004792	DW_DS004784	Irregular	Overflow	20		5.05	5.00					
CH_DS004792_O2	CH_DS004792	CH_AGE999869	Irregular	Overflow	20		4.90	4.80					
CH_DS007029_O	CH_DS007029	CH_DS001530	Irregular	Overflow	20		5.60	5.50					
DW_AGE999687_O	DW_AGE999687	DW_DS002654	Irregular	Overflow	20		4.80	4.70					
DW_AGE999696_O	DW_AGE999696	DW_DS002132	Irregular	Overflow	20		6.80	6.70					
DW_AGE999769_O	DW_AGE999769	DW_DO000051	Irregular	Overflow	20		4.95	4.90					
DW_AGE999785_O	DW_AGE999785	DW_DO000071	Irregular	Overflow	20		5.50	5.40					
DW_AGE999853_O	DW_AGE999853	DW_DS004216	Irregular	Overflow	20		5.30	5.20					
DW_AGE999853_O	DW_AGE999853	DW_DS004214	Irregular	Overflow	20		5.40	5.30					
DW_AGE999854_O	DW_AGE999854	DW_DS004197	Irregular	Overflow	20		5.45	5.40					
DW_AGE999855_O	DW_AGE999855	DW_AGE999691	Irregular	Overflow	20		4.40	4.30					
DW_AGE999856_O	DW_AGE999856	DW_DS001405	Irregular	Overflow	20		6.80	6.70					
DW_AGE999857_O	DW_AGE999857	DW_DS009014	Irregular	Overflow	20		6.90	6.80					
DW_AGE999858_O	DW_AGE999858	DW_DS001403	Irregular	Overflow	20		7.20	7.10					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_AGE999859_O	DW_AGE999859	DW_AGE999690	Irregular	Overflow	20		4.15	4.10					
DW_AGE999860_O	DW_AGE999860	DW_DO000066	Irregular	Overflow	20		4.75	4.70					
DW_AGE999861_O	DW_AGE999861	DW_DO000051	Irregular	Overflow	20		4.35	4.30					
DW_AGE999863_O	DW_AGE999863	DW_DO000041	Irregular	Overflow	20		4.30	4.20					
DW_AGE999863_O	DW_AGE999863	DW_DS002031	Irregular	Overflow	20		5.50	5.40					
DW_AGE999864_O	DW_AGE999864	DW_DS001322	Irregular	Overflow	20		5.95	5.90					
DW_AGE999865_O	DW_AGE999865	DW_DS001516	Irregular	Overflow	20		5.60	5.50					
DW_AGE999867_O	DW_AGE999867	DW_DS002568	Irregular	Overflow	20		6.05	6.00					
DW_AGE999875_O	DW_AGE999875	DW_DS007028	Irregular	Overflow	20		5.05	5.00					
DW_AGE999875_O	DW_AGE999875	DW_AGE999877	Irregular	Overflow	20		4.80	4.70					
DW_AGE999876_O	DW_AGE999876	DW_AGE999877	Irregular	Overflow	20		4.90	4.80					
DW_AGE999876_O	DW_AGE999876	DW_AGE999875	Irregular	Overflow	20		4.75	4.70					
DW_AGE999877_O	DW_AGE999877	DW_DS007028	Irregular	Overflow	20		4.85	4.80					
DW_AGE999877_O	DW_AGE999877	DW_DS008665	Irregular	Overflow	20		4.85	4.80					
DW_AGE999878_O	DW_AGE999878	BC_AGE999777	Irregular	Overflow	20		4.40	4.30					
DW_AGE999879_O	DW_AGE999879	DW_AGE999878	Irregular	Overflow	20		6.15	6.10					
DW_AGE999879_O	DW_AGE999879	DW_AGE999877	Irregular	Overflow	20		5.80	5.70					
DW_AGE999879_O	DW_AGE999879	DW_DS008662	Irregular	Overflow	20		5.60	5.50					
DW_AGE999880_O	DW_AGE999880	BC_AGE999777	Irregular	Overflow	20		5.50	5.40					
DW_AGE999881_O	DW_AGE999881	DW_DO000110	Irregular	Overflow	20		4.60	4.50					
DW_AGE999882_O	DW_AGE999882	DW_DS004281	Irregular	Overflow	20		7.30	7.20					
DW_AGE999882_O	DW_AGE999882	DW_AGE999672	Irregular	Overflow	20		7.05	7.00					
DW_AGE999884_O	DW_AGE999884	DW_DO000057	Irregular	Overflow	20		3.65	3.60					
DW_AGE999884_O	DW_AGE999884	DW_DS006953	Irregular	Overflow	20		4.75	4.70					
DW_AGE999885_O	DW_AGE999885	DW_DS008678	Irregular	Overflow	20		4.55	4.50					
DW_AGE999885_O	DW_AGE999885	DW_DS007729	Irregular	Overflow	20		4.55	4.50					
DW_AGE999885_O	DW_AGE999885	DW_DS001313	Irregular	Overflow	20		4.60	4.50					
DW_AGE999885_O	DW_AGE999885	DW_DS008127	Irregular	Overflow	20		4.55	4.50					
DW_AGE999886_O	DW_AGE999886	DW_AGE999891	Irregular	Overflow	20		4.70	4.60					
DW_AGE999886_O	DW_AGE999886	DW_DS008127	Irregular	Overflow	20		4.90	4.80					
DW_AGE999887_O	DW_AGE999887	DW_AGE999886	Irregular	Overflow	20		5.20	5.10					
DW_AGE999888_O	DW_AGE999888	DW_AGE999886	Irregular	Overflow	20		5.10	5.00					
DW_AGE999888_O	DW_AGE999888	DW_AGE999885	Irregular	Overflow	20		5.05	5.00					
DW_AGE999889_O	DW_AGE999889	DW_AGE999888	Irregular	Overflow	20		6.15	6.10					
DW_AGE999889_O	DW_AGE999889	DW_AGE999880	Irregular	Overflow	20		5.80	5.70					
DW_AGE999890_O	DW_AGE999890	DW_DS001349	Irregular	Overflow	20		4.80	4.70					
DW_AGE999890_O	DW_AGE999890	DW_DS008127	Irregular	Overflow	20		4.90	4.80					
DW_AGE999890_O	DW_AGE999890	DW_DS002064	Irregular	Overflow	20		4.60	4.50					
DW_AGE999891_O	DW_AGE999891	DW_DS002065	Irregular	Overflow	20		4.85	4.80					
DW_AGE999891_O	DW_AGE999891	DW_DS002064	Irregular	Overflow	20		4.70	4.60					
DW_AGE999892_O	DW_AGE999892	DW_AGE999894	Irregular	Overflow	20		5.60	5.50					
DW_AGE999892_O	DW_AGE999892	DW_AGE999897	Irregular	Overflow	20		6.50	6.40					
DW_AGE999892_O	DW_AGE999892	DW_AGE999893	Irregular	Overflow	20		6.15	6.10					
DW_AGE999893_O	DW_AGE999893	BC_AGE999779	Irregular	Overflow	20		5.15	5.10					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_AGE999894_O	DW_AGE999894	DW_AGE999895	Irregular	Overflow	20		4.95	4.90					
DW_AGE999894_O	DW_AGE999894	DW_DS002065	Irregular	Overflow	20		4.95	4.90					
DW_AGE999895_O	DW_AGE999895	DW_DS001308	Irregular	Overflow	20		4.80	4.70					
DW_AGE999895_O	DW_AGE999895	DW_DS002065	Irregular	Overflow	20		4.90	4.80					
DW_AGE999897_O	DW_AGE999897	DW_DS006986	Irregular	Overflow	20		5.80	5.70					
DW_AGE999898_O	DW_AGE999898	BC_AGE999781	Irregular	Overflow	20		5.50	5.40					
DW_DMH000005_C	DW_DMH000005	DW_DMH000125	Irregular	Overflow	20		4.70	4.60					
DW_DMH000098_C	DW_DMH000098	DW_DS008714	Irregular	Overflow	20		5.60	5.50					
DW_DMH000121_C	DW_DMH000121	DW_DS001279	Irregular	Overflow	20		5.05	5.00					
DW_DMH000121_C	DW_DMH000121	DW_DMH000125	Irregular	Overflow	20		4.95	4.90					
DW_DMH000602_C	DW_DMH000602	DW_DS002559	Irregular	Overflow	20		4.70	4.60					
DW_DMH000602_C	DW_DMH000602	DW_DS002563	Irregular	Overflow	20		4.60	4.50					
DW_DMH000674_C	DW_DMH000674	DW_DS008715	Irregular	Overflow	20		6.00	5.90					
DW_DMH000686_C	DW_DMH000686	DW_DS000126	Irregular	Overflow	20		5.30	5.20					
DW_DMH000686_C	DW_DMH000686	DW_DMH000674	Irregular	Overflow	20		5.20	5.10					
DW_DMH001751_C	DW_DMH001751	DW_DS008244	Irregular	Overflow	20		4.80	4.70					
DW_DMH001754_C	DW_DMH001754	DW_DS008998	Irregular	Overflow	20		4.55	4.50					
DW_DMH001754_C	DW_DMH001754	DW_DS008999	Irregular	Overflow	20		4.45	4.40					
DW_DMH001754_C	DW_DMH001754	DW_AGE999860	Irregular	Overflow	20		4.70	4.60					
DW_DMH001754_C	DW_DMH001754	DW_DS002089	Irregular	Overflow	20		4.75	4.70					
DW_DMH001754_C	DW_DMH001754	DW_AGE999855	Irregular	Overflow	20		4.80	4.70					
DW_DMH001754_C	DW_DMH001754	DW_DMH001756	Irregular	Overflow	20		4.75	4.70					
DW_DMH001756_C	DW_DMH001756	DW_AGE999855	Irregular	Overflow	20		4.90	4.80					
DW_DMH001756_C	DW_DMH001756	DW_AGE999859	Irregular	Overflow	20		4.75	4.70					
DW_DMH001756_C	DW_DMH001756	DW_DS009007	Irregular	Overflow	20		4.85	4.80					
DW_DMH001756_C	DW_DMH001756	DW_DS009006	Irregular	Overflow	20		5.00	4.90					
DW_DMH001758_C	DW_DMH001758	DW_DS009006	Irregular	Overflow	20		4.60	4.50					
DW_DO000042_O	DW_DO000042	DW_DO000043	Irregular	Overflow	20		3.20	3.10					
DW_DO000044_O1	DW_DO000044	DW_AGE999884	Irregular	Overflow	20		3.30	3.20					
DW_DO000044_O2	DW_DO000044	DW_DS002067	Irregular	Overflow	20		4.55	4.50					
DW_DO000046_O	DW_DO000046	DW_DS002045	Irregular	Overflow	20		4.80	4.70					
DW_DO000057_O	DW_DO000057	DW_DS002067	Irregular	Overflow	20		4.60	4.50					
DW_DS000018_O1	DW_DS000018	DW_DS001289	Irregular	Overflow	20		5.20	5.10					
DW_DS000018_O2	DW_DS000018	DW_AGE999865	Irregular	Overflow	20		5.95	5.90					
DW_DS000100_O	DW_DS000100	DW_DMH000686	Irregular	Overflow	20		5.30	5.20					
DW_DS000122_O	DW_DS000122	DW_DS000126	Irregular	Overflow	20		6.45	6.40					
DW_DS000126_O	DW_DS000126	DW_DS001382	Irregular	Overflow	20		5.25	5.20					
DW_DS000130_O1	DW_DS000130	DW_DS009246	Irregular	Overflow	20		5.80	5.70					
DW_DS000130_O2	DW_DS000130	DW_DMH000686	Irregular	Overflow	20		5.80	5.70					
DW_DS000275_O1	DW_DS000275	DW_DS002347	Irregular	Overflow	20		5.50	5.40					
DW_DS000275_O2	DW_DS000275	DW_DS002349	Irregular	Overflow	20		5.35	5.30					
DW_DS001279_O	DW_DS001279	DW_AGE999687	Irregular	Overflow	20		4.80	4.70					
DW_DS001283_O	DW_DS001283	CH_DMH000126	Irregular	Overflow	20		4.80	4.70					
DW_DS001284_O1	DW_DS001284	CH_DS002009	Irregular	Overflow	20		4.60	4.50					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS001284_O2	DW_DS001284	DW_DMH000005	Irregular	Overflow	20		4.55	4.50					
DW_DS001288_O	DW_DS001288	DW_DS001322	Irregular	Overflow	20		4.60	4.50					
DW_DS001289_O	DW_DS001289	DW_DS001283	Irregular	Overflow	20		4.85	4.80					
DW_DS001290_O1	DW_DS001290	DW_AGE999687	Irregular	Overflow	20		5.40	5.30					
DW_DS001290_O2	DW_DS001290	DW_DS002014	Irregular	Overflow	20		5.25	5.20					
DW_DS001292_O	DW_DS001292	DW_DS001289	Irregular	Overflow	20		5.00	4.90					
DW_DS001293_O1	DW_DS001293	DW_DS001292	Irregular	Overflow	20		5.20	5.10					
DW_DS001293_O2	DW_DS001293	DW_DS001289	Irregular	Overflow	20		4.95	4.90					
DW_DS001295_O	DW_DS001295	DW_DS001306	Irregular	Overflow	20		5.85	5.80					
DW_DS001298_O1	DW_DS001298	DW_DS001327	Irregular	Overflow	20		4.65	4.60					
DW_DS001298_O2	DW_DS001298	DW_AGE999896	Irregular	Overflow	20		5.05	5.00					
DW_DS001305_O	DW_DS001305	DW_DS001334	Irregular	Overflow	20		5.80	5.70					
DW_DS001306_O1	DW_DS001306	DW_DS001305	Irregular	Overflow	20		5.65	5.60					
DW_DS001306_O2	DW_DS001306	DW_DS006962	Irregular	Overflow	20		6.00	5.90					
DW_DS001306_O3	DW_DS001306	DW_DS004177	Irregular	Overflow	20		6.00	5.90					
DW_DS001308_O1	DW_DS001308	DW_DS001352	Irregular	Overflow	20		4.70	4.60					
DW_DS001308_O2	DW_DS001308	DW_DS001327	Irregular	Overflow	20		4.70	4.60					
DW_DS001309_O	DW_DS001309	DW_DS001292	Irregular	Overflow	20		5.40	5.30					
DW_DS001313_O1	DW_DS001313	DW_DS001319	Irregular	Overflow	20		4.55	4.50					
DW_DS001313_O2	DW_DS001313	DW_DS008382	Irregular	Overflow	20		4.70	4.60					
DW_DS001319_O	DW_DS001319	DW_DO000043	Irregular	Overflow	20		5.10	5.00					
DW_DS001322_O1	DW_DS001322	DW_AGE999673	Irregular	Overflow	20		4.95	4.90					
DW_DS001322_O2	DW_DS001322	DW_DS002053	Irregular	Overflow	20		4.75	4.70					
DW_DS001326_O1	DW_DS001326	DW_DS006958	Irregular	Overflow	20		5.25	5.20					
DW_DS001326_O2	DW_DS001326	DW_DS007837	Irregular	Overflow	20		5.25	5.20					
DW_DS001326_O3	DW_DS001326	DW_DS008244	Irregular	Overflow	20		5.30	5.20					
DW_DS001328_O1	DW_DS001328	DW_DS001322	Irregular	Overflow	20		4.70	4.60					
DW_DS001328_O2	DW_DS001328	DW_DS001347	Irregular	Overflow	20		4.80	4.70					
DW_DS001335_O1	DW_DS001335	DW_DS001305	Irregular	Overflow	20		5.80	5.70					
DW_DS001335_O2	DW_DS001335	DW_DS001340	Irregular	Overflow	20		5.95	5.90					
DW_DS001340_O	DW_DS001340	DW_DS001334	Irregular	Overflow	20		5.30	5.20					
DW_DS001342_O1	DW_DS001342	DW_DS004177	Irregular	Overflow	20		5.55	5.50					
DW_DS001342_O2	DW_DS001342	DW_DS001295	Irregular	Overflow	20		6.10	6.00					
DW_DS001343_O1	DW_DS001343	DW_DS001344	Irregular	Overflow	20		5.55	5.50					
DW_DS001343_O2	DW_DS001343	DW_DS001342	Irregular	Overflow	20		5.80	5.70					
DW_DS001345_O1	DW_DS001345	DW_DS001335	Irregular	Overflow	20		5.90	5.80					
DW_DS001345_O2	DW_DS001345	DW_DS001306	Irregular	Overflow	20		6.05	6.00					
DW_DS001347_O	DW_DS001347	DW_DS001336	Irregular	Overflow	20		4.80	4.70					
DW_DS001350_O1	DW_DS001350	DW_DS001295	Irregular	Overflow	20		6.05	6.00					
DW_DS001350_O2	DW_DS001350	DW_DS001343	Irregular	Overflow	20		6.05	6.00					
DW_DS001350_O3	DW_DS001350	DW_DS001345	Irregular	Overflow	20		6.15	6.10					
DW_DS001352_O1	DW_DS001352	DW_DS001349	Irregular	Overflow	20		4.65	4.60					
DW_DS001352_O2	DW_DS001352	DW_DS006980	Irregular	Overflow	20		4.55	4.50					
DW_DS001354_O	DW_DS001354	DW_DS002082	Irregular	Overflow	20		6.00	5.90					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS001354_O1	DW_DS001354	DW_DS001358	Irregular	Overflow	20		5.55	5.50					
DW_DS001354_O2	DW_DS001354	DW_DS004175	Irregular	Overflow	20		5.55	5.50					
DW_DS001357_O	DW_DS001357	DW_DS004197	Irregular	Overflow	20		5.70	5.60					
DW_DS001358_O1	DW_DS001358	DW_DS001357	Irregular	Overflow	20		5.80	5.70					
DW_DS001358_O2	DW_DS001358	DW_DS001362	Irregular	Overflow	20		6.20	6.10					
DW_DS001359_O	DW_DS001359	DW_DS002091	Irregular	Overflow	20		4.90	4.80					
DW_DS001362_O1	DW_DS001362	DW_DS001375	Irregular	Overflow	20		5.95	5.90					
DW_DS001362_O2	DW_DS001362	DW_AGE999854	Irregular	Overflow	20		5.90	5.80					
DW_DS001365_O1	DW_DS001365	BC_DS006947	Irregular	Overflow	20		5.55	5.50					
DW_DS001365_O2	DW_DS001365	BC_DO000068	Irregular	Overflow	20		6.25	6.20					
DW_DS001371_O1	DW_DS001371	DW_DS001373	Irregular	Overflow	20		5.30	5.20					
DW_DS001371_O2	DW_DS001371	DW_DS004208	Irregular	Overflow	20		5.50	5.40					
DW_DS001373_O1	DW_DS001373	DW_DS001382	Irregular	Overflow	20		5.25	5.20					
DW_DS001373_O2	DW_DS001373	DW_DS004206	Irregular	Overflow	20		5.25	5.20					
DW_DS001375_O1	DW_DS001375	DW_DS004208	Irregular	Overflow	20		5.45	5.40					
DW_DS001375_O2	DW_DS001375	DW_DS001371	Irregular	Overflow	20		5.45	5.40					
DW_DS001379_O1	DW_DS001379	DW_DS004210	Irregular	Overflow	20		5.05	5.00					
DW_DS001379_O2	DW_DS001379	DW_DS002103	Irregular	Overflow	20		5.15	5.10					
DW_DS001379_O3	DW_DS001379	DW_DS001380	Irregular	Overflow	20		5.00	4.90					
DW_DS001380_O1	DW_DS001380	DW_DS002103	Irregular	Overflow	20		4.95	4.90					
DW_DS001380_O2	DW_DS001380	DW_DS000122	Irregular	Overflow	20		5.80	5.70					
DW_DS001398_O1	DW_DS001398	DW_DS008714	Irregular	Overflow	20		5.80	5.70					
DW_DS001398_O2	DW_DS001398	DW_DS001380	Irregular	Overflow	20		5.55	5.50					
DW_DS001400_O1	DW_DS001400	DW_AGE999853	Irregular	Overflow	20		5.65	5.60					
DW_DS001403_O	DW_DS001403	DW_DO000071	Irregular	Overflow	20		6.20	6.10					
DW_DS001405_O	DW_DS001405	DW_DS004216	Irregular	Overflow	20		5.65	5.60					
DW_DS001406_O	DW_DS001406	DW_DS001382	Irregular	Overflow	20		5.55	5.50					
DW_DS001433_O1	DW_DS001433	DW_DS008715	Irregular	Overflow	20		6.15	6.10					
DW_DS001433_O2	DW_DS001433	BH_DMH000071	Irregular	Overflow	20		6.05	6.00					
DW_DS001515_O	DW_DS001515	DW_DO000113	Irregular	Overflow	20		5.30	5.20					
DW_DS001516_O1	DW_DS001516	DW_DS002348	Irregular	Overflow	20		5.55	5.50					
DW_DS001516_O2	DW_DS001516	DW_AGE999672	Irregular	Overflow	20		5.20	5.10					
DW_DS001518_O1	DW_DS001518	DW_DS001525	Irregular	Overflow	20		5.00	4.90					
DW_DS001518_O2	DW_DS001518	DW_DMH000121	Irregular	Overflow	20		5.10	5.00					
DW_DS001518_O3	DW_DS001518	DW_DMH000125	Irregular	Overflow	20		5.10	5.00					
DW_DS001525_O	DW_DS001525	DW_DS001279	Irregular	Overflow	20		4.55	4.50					
DW_DS002014_O1	DW_DS002014	DW_DMH000121	Irregular	Overflow	20		4.85	4.80					
DW_DS002016_O1	DW_DS002016	DW_DS001293	Irregular	Overflow	20		6.60	6.50					
DW_DS002016_O2	DW_DS002016	DW_DS001309	Irregular	Overflow	20		6.60	6.50					
DW_DS002018_O1	DW_DS002018	DW_DS002081	Irregular	Overflow	20		4.80	4.70					
DW_DS002018_O2	DW_DS002018	DW_AGE999769	Irregular	Overflow	20		5.70	5.60					
DW_DS002018_O3	DW_DS002018	DW_AGE999861	Irregular	Overflow	20		4.65	4.60					
DW_DS002018_O4	DW_DS002018	DW_AGE999863	Irregular	Overflow	20		4.80	4.70					
DW_DS002028_O1	DW_DS002028	DW_DS001284	Irregular	Overflow	20		5.90	5.80					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS002028_O2	DW_DS002028	DW_DS002014	Irregular	Overflow	20		6.00	5.90					
DW_DS002028_O3	DW_DS002028	DW_DS001290	Irregular	Overflow	20		6.25	6.20					
DW_DS002031_O	DW_DS002031	DW_DO000041	Irregular	Overflow	20		4.20	4.10					
DW_DS002032_O	DW_DS002032	DW_AGE999675	Irregular	Overflow	20		4.45	4.40					
DW_DS002045_O1	DW_DS002045	DW_DS002067	Irregular	Overflow	20		4.50	4.40					
DW_DS002045_O2	DW_DS002045	DW_DS002032	Irregular	Overflow	20		4.50	4.40					
DW_DS002052_O1	DW_DS002052	DW_DS006944	Irregular	Overflow	20		5.75	5.70					
DW_DS002052_O2	DW_DS002052	DW_DS002061	Irregular	Overflow	20		5.10	5.00					
DW_DS002052_O3	DW_DS002052	DW_DS002067	Irregular	Overflow	20		4.80	4.70					
DW_DS002053_O	DW_DS002053	DW_DS002067	Irregular	Overflow	20		4.65	4.60					
DW_DS002061_O1	DW_DS002061	DW_DS002053	Irregular	Overflow	20		4.95	4.90					
DW_DS002061_O2	DW_DS002061	DW_DS001336	Irregular	Overflow	20		4.90	4.80					
DW_DS002064_O1	DW_DS002064	DW_DS001352	Irregular	Overflow	20		4.60	4.50					
DW_DS002064_O2	DW_DS002064	DW_DS001308	Irregular	Overflow	20		4.75	4.70					
DW_DS002065_O1	DW_DS002065	DW_DS002064	Irregular	Overflow	20		4.80	4.70					
DW_DS002065_O2	DW_DS002065	DW_DS001308	Irregular	Overflow	20		4.95	4.90					
DW_DS002076_O	DW_DS002076	DW_DS002091	Irregular	Overflow	20		5.70	5.60					
DW_DS002081_O	DW_DS002081	DW_DS008999	Irregular	Overflow	20		4.55	4.50					
DW_DS002085_O1	DW_DS002085	DW_DS001365	Irregular	Overflow	20		5.65	5.60					
DW_DS002085_O2	DW_DS002085	DW_DS001359	Irregular	Overflow	20		5.90	5.80					
DW_DS002089_O	DW_DS002089	DW_DO000066	Irregular	Overflow	20		4.45	4.40					
DW_DS002091_O	DW_DS002091	DW_DS004197	Irregular	Overflow	20		4.90	4.80					
DW_DS002102_O	DW_DS002102	DW_DO000069	Irregular	Overflow	20		3.85	3.80					
DW_DS002115_O	DW_DS002115	DW_AGE999858	Irregular	Overflow	20		8.00	7.90					
DW_DS002115_O1	DW_DS002115	DW_DS002128	Irregular	Overflow	20		8.55	8.50					
DW_DS002115_O3	DW_DS002115	DW_DO000072	Irregular	Overflow	20		8.55	8.50					
DW_DS002115_O4	DW_DS002115	BH_DS002148	Irregular	Overflow	20		8.00	7.90					
DW_DS002119_O	DW_DS002119	DW_DS000100	Irregular	Overflow	20		5.70	5.60					
DW_DS002128_O1	DW_DS002128	DW_DS002132	Irregular	Overflow	20		8.40	8.30					
DW_DS002128_O2	DW_DS002128	DW_AGE999696	Irregular	Overflow	20		8.10	8.00					
DW_DS002128_O3	DW_DS002128	BH_DS002153	Irregular	Overflow	20		8.30	8.20					
DW_DS002132_O	DW_DS002132	DW_DS001403	Irregular	Overflow	20		5.80	5.70					
DW_DS002133_O	DW_DS002133	DW_DS009014	Irregular	Overflow	20		5.75	5.70					
DW_DS002152_O1	DW_DS002152	DW_DS008715	Irregular	Overflow	20		6.00	5.90					
DW_DS002152_O2	DW_DS002152	DW_DS002119	Irregular	Overflow	20		5.75	5.70					
DW_DS002347_O1	DW_DS002347	DW_DO000113	Irregular	Overflow	20		5.15	5.10					
DW_DS002347_O2	DW_DS002347	DW_DS002348	Irregular	Overflow	20		5.00	4.90					
DW_DS002348_O	DW_DS002348	DW_DO000112	Irregular	Overflow	20		5.30	5.20					
DW_DS002349_O	DW_DS002349	DW_AGE999865	Irregular	Overflow	20		5.35	5.30					
DW_DS002515_O1	DW_DS002515	DW_DS002521	Irregular	Overflow	20		4.85	4.80					
DW_DS002515_O2	DW_DS002515	DW_DS002571	Irregular	Overflow	20		5.15	5.10					
DW_DS002521_O	DW_DS002521	DW_DS002569	Irregular	Overflow	20		4.80	4.70					
DW_DS002524_O1	DW_DS002524	DW_DMH000602	Irregular	Overflow	20		4.80	4.70					
DW_DS002524_O2	DW_DS002524	CH_DS002617	Irregular	Overflow	20		5.15	5.10					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS002543_O	DW_DS002543	DW_DS002545	Irregular	Overflow	20		4.70	4.60					
DW_DS002544_O1	DW_DS002544	DW_DS002549	Irregular	Overflow	20		4.40	4.30					
DW_DS002544_O2	DW_DS002544	DW_DS002553	Irregular	Overflow	20		4.40	4.30					
DW_DS002545_O1	DW_DS002545	DW_DMH000602	Irregular	Overflow	20		4.55	4.50					
DW_DS002545_O2	DW_DS002545	DW_DS002553	Irregular	Overflow	20		4.65	4.60					
DW_DS002549_O1	DW_DS002549	DW_DS002555	Irregular	Overflow	20		4.40	4.30					
DW_DS002549_O2	DW_DS002549	DW_DS002553	Irregular	Overflow	20		4.40	4.30					
DW_DS002551_O1	DW_DS002551	DW_DS002559	Irregular	Overflow	20		5.05	5.00					
DW_DS002551_O2	DW_DS002551	DW_DS002521	Irregular	Overflow	20		4.90	4.80					
DW_DS002551_O3	DW_DS002551	DW_DS002571	Irregular	Overflow	20		4.85	4.80					
DW_DS002551_O4	DW_DS002551	DW_DS002515	Irregular	Overflow	20		4.90	4.80					
DW_DS002553_O	DW_DS002553	DW_DS002559	Irregular	Overflow	20		4.35	4.30					
DW_DS002555_O	DW_DS002555	DW_DS002559	Irregular	Overflow	20		4.30	4.20					
DW_DS002559_O1	DW_DS002559	DW_DS002569	Irregular	Overflow	20		4.90	4.80					
DW_DS002559_O2	DW_DS002559	DW_DS002562	Irregular	Overflow	20		4.30	4.20					
DW_DS002562_O1	DW_DS002562	DW_DS001525	Irregular	Overflow	20		4.85	4.80					
DW_DS002562_O2	DW_DS002562	DW_DS001518	Irregular	Overflow	20		4.65	4.60					
DW_DS002563_O1	DW_DS002563	DW_DS002562	Irregular	Overflow	20		4.85	4.80					
DW_DS002563_O2	DW_DS002563	DW_DS001518	Irregular	Overflow	20		4.90	4.80					
DW_DS002568_O	DW_DS002568	DW_DS002521	Irregular	Overflow	20		5.10	5.00					
DW_DS002569_O	DW_DS002569	DW_DS002568	Irregular	Overflow	20		5.00	4.90					
DW_DS002571_O	DW_DS002571	BC_DS006675	Irregular	Overflow	20		4.90	4.80					
DW_DS002650_O1	DW_DS002650	BC_FDOTNW10	Irregular	Overflow	20		5.80	5.70					
DW_DS002650_O2	DW_DS002650	DW_DS007774	Irregular	Overflow	20		5.70	5.60					
DW_DS002650_O3	DW_DS002650	DW_DS002543	Irregular	Overflow	20		5.50	5.40					
DW_DS002654_O	DW_DS002654	DW_DS002569	Irregular	Overflow	20		4.95	4.90					
DW_DS004172_O1	DW_DS004172	DW_DS006958	Irregular	Overflow	20		5.40	5.30					
DW_DS004172_O2	DW_DS004172	DW_NID10192	Irregular	Overflow	20		5.65	5.60					
DW_DS004175_O	DW_DS004175	DW_DS004180	Irregular	Overflow	20		6.05	6.00					
DW_DS004177_O	DW_DS004177	DW_DS004175	Irregular	Overflow	20		6.20	6.10					
DW_DS004180_O	DW_DS004180	DW_DS004172	Irregular	Overflow	20		6.05	6.00					
DW_DS004189_O	DW_DS004189	DW_DMH000054	Irregular	Overflow	20		4.35	4.30					
DW_DS004190_O1	DW_DS004190	DW_DS004191	Irregular	Overflow	20		4.70	4.60					
DW_DS004190_O2	DW_DS004190	DW_DMH000054	Irregular	Overflow	20		4.35	4.30					
DW_DS004197_O1	DW_DS004197	DW_DS001365	Irregular	Overflow	20		5.15	5.10					
DW_DS004197_O2	DW_DS004197	DW_DS004188	Irregular	Overflow	20		5.15	5.10					
DW_DS004200_O	DW_DS004200	DW_DS004208	Irregular	Overflow	20		4.75	4.70					
DW_DS004206_O1	DW_DS004206	DW_DS004200	Irregular	Overflow	20		5.40	5.30					
DW_DS004206_O2	DW_DS004206	DW_DS004208	Irregular	Overflow	20		4.95	4.90					
DW_DS004208_O1	DW_DS004208	DW_DS004189	Irregular	Overflow	20		4.70	4.60					
DW_DS004208_O2	DW_DS004208	DW_DS004190	Irregular	Overflow	20		4.70	4.60					
DW_DS004208_O3	DW_DS004208	DW_DS004191	Irregular	Overflow	20		4.70	4.60					
DW_DS004210_O1	DW_DS004210	DW_DS004188	Irregular	Overflow	20		5.10	5.00					
DW_DS004210_O2	DW_DS004210	DW_DS001365	Irregular	Overflow	20		5.00	4.90					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS004214_O	DW_DS004214	DW_DS004200	Irregular	Overflow	20		4.85	4.80					
DW_DS004216_O1	DW_DS004216	DW_DS004214	Irregular	Overflow	20		4.90	4.80					
DW_DS004216_O2	DW_DS004216	DW_DS004200	Irregular	Overflow	20		4.90	4.80					
DW_DS004218_O1	DW_DS004218	BH_DMH000055	Irregular	Overflow	20		7.75	7.70					
DW_DS004218_O2	DW_DS004218	BH_DS004219	Irregular	Overflow	20		7.70	7.60					
DW_DS004218_O3	DW_DS004218	DW_AGE999857	Irregular	Overflow	20		8.15	8.10					
DW_DS004281_O1	DW_DS004281	DW_DS001315	Irregular	Overflow	20		4.90	4.80					
DW_DS004281_O2	DW_DS004281	DW_AGE999675	Irregular	Overflow	20		4.90	4.80					
DW_DS004281_O3	DW_DS004281	DW_DS007730	Irregular	Overflow	20		4.30	4.20					
DW_DS004784_O	DW_DS004784	DW_DS002524	Irregular	Overflow	20		4.95	4.90					
DW_DS004786_O1	DW_DS004786	CH_DS004792	Irregular	Overflow	20		4.90	4.80					
DW_DS004786_O2	DW_DS004786	DW_DS004784	Irregular	Overflow	20		5.05	5.00					
DW_DS006938_O	DW_DS006938	DW_DS006953	Irregular	Overflow	20		4.30	4.20					
DW_DS006940_O	DW_DS006940	DW_DS006966	Irregular	Overflow	20		6.25	6.20					
DW_DS006946_O	DW_DS006946	DW_DS006944	Irregular	Overflow	20		4.85	4.80					
DW_DS006946_O1	DW_DS006946	DW_DS006954	Irregular	Overflow	20		5.35	5.30					
DW_DS006946_O2	DW_DS006946	DW_AGE999883	Irregular	Overflow	20		5.10	5.00					
DW_DS006948_O	DW_DS006948	DW_AGE999898	Irregular	Overflow	20		6.45	6.40					
DW_DS006949_O1	DW_DS006949	DW_DS006951	Irregular	Overflow	20		4.05	4.00					
DW_DS006949_O2	DW_DS006949	DW_DS001349	Irregular	Overflow	20		4.40	4.30					
DW_DS006951_O1	DW_DS006951	BC_DS006950	Irregular	Overflow	20		5.05	5.00					
DW_DS006951_O2	DW_DS006951	DW_DS006938	Irregular	Overflow	20		4.60	4.50					
DW_DS006953_O	DW_DS006953	BC_DS006956	Irregular	Overflow	20		5.20	5.10					
DW_DS006954_O1	DW_DS006954	DW_DS006953	Irregular	Overflow	20		4.65	4.60					
DW_DS006954_O2	DW_DS006954	DW_AGE999883	Irregular	Overflow	20		4.60	4.50					
DW_DS006958_O	DW_DS006958	DW_DS007840	Irregular	Overflow	20		5.45	5.40					
DW_DS006961_O1	DW_DS006961	BC_DS006959	Irregular	Overflow	20		5.00	4.90					
DW_DS006961_O2	DW_DS006961	DW_DS006948	Irregular	Overflow	20		4.90	4.80					
DW_DS006961_O3	DW_DS006961	DW_DS006986	Irregular	Overflow	20		4.40	4.30					
DW_DS006962_O	DW_DS006962	DW_DS001334	Irregular	Overflow	20		5.25	5.20					
DW_DS006966_O	DW_DS006966	DW_DS001336	Irregular	Overflow	20		6.10	6.00					
DW_DS006967_O	DW_DS006967	DW_DS006970	Irregular	Overflow	20		4.60	4.50					
DW_DS006967_O1	DW_DS006967	DW_DS002081	Irregular	Overflow	20		4.65	4.60					
DW_DS006967_O2	DW_DS006967	DW_DMH001751	Irregular	Overflow	20		4.50	4.40					
DW_DS006970_O	DW_DS006970	DW_DS001326	Irregular	Overflow	20		4.55	4.50					
DW_DS006971_O1	DW_DS006971	DW_DS002085	Irregular	Overflow	20		5.70	5.60					
DW_DS006971_O2	DW_DS006971	DW_DS001336	Irregular	Overflow	20		6.00	5.90					
DW_DS006971_O3	DW_DS006971	DW_DS002061	Irregular	Overflow	20		5.75	5.70					
DW_DS006974_O1	DW_DS006974	BC_DS009292	Irregular	Overflow	20		5.30	5.20					
DW_DS006974_O2	DW_DS006974	DW_DS006949	Irregular	Overflow	20		4.60	4.50					
DW_DS006977_O1	DW_DS006977	DW_DS006974	Irregular	Overflow	20		4.35	4.30					
DW_DS006977_O2	DW_DS006977	DW_DS001352	Irregular	Overflow	20		4.55	4.50					
DW_DS006978_O1	DW_DS006978	DW_DS006980	Irregular	Overflow	20		4.45	4.40					
DW_DS006978_O2	DW_DS006978	DW_DS006977	Irregular	Overflow	20		4.80	4.70					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS006980_O1	DW_DS006980	DW_DS006982	Irregular	Overflow	20		4.05	4.00					
DW_DS006980_O2	DW_DS006980	DW_DS001327	Irregular	Overflow	20		4.60	4.50					
DW_DS006982_O	DW_DS006982	BC_DS006981	Irregular	Overflow	20		5.20	5.10					
DW_DS006983_O1	DW_DS006983	DW_DS001298	Irregular	Overflow	20		4.80	4.70					
DW_DS006983_O2	DW_DS006983	DW_DS006982	Irregular	Overflow	20		4.45	4.40					
DW_DS006984_O	DW_DS006984	DW_DS001298	Irregular	Overflow	20		4.85	4.80					
DW_DS006986_O	DW_DS006986	DW_DS006984	Irregular	Overflow	20		4.90	4.80					
DW_DS007028_O1	DW_DS007028	DW_DS008665	Irregular	Overflow	20		4.85	4.80					
DW_DS007028_O2	DW_DS007028	DW_DS004281	Irregular	Overflow	20		4.70	4.60					
DW_DS007723_O1	DW_DS007723	DW_DS001319	Irregular	Overflow	20		4.30	4.20					
DW_DS007723_O2	DW_DS007723	DW_DS001315	Irregular	Overflow	20		4.30	4.20					
DW_DS007729_O	DW_DS007729	DW_DS001315	Irregular	Overflow	20		4.90	4.80					
DW_DS007730_O1	DW_DS007730	DW_DS007729	Irregular	Overflow	20		4.45	4.40					
DW_DS007730_O2	DW_DS007730	DW_AGE999697	Irregular	Overflow	20		4.60	4.50					
DW_DS007774_O1	DW_DS007774	BC_FDOTNW09	Irregular	Overflow	20		5.30	5.20					
DW_DS007774_O2	DW_DS007774	DW_DS002543	Irregular	Overflow	20		5.25	5.20					
DW_DS008127_O1	DW_DS008127	DW_DS001313	Irregular	Overflow	20		4.40	4.30					
DW_DS008127_O2	DW_DS008127	DW_DS008382	Irregular	Overflow	20		4.70	4.60					
DW_DS008228_O	DW_DS008228	DW_DS008229	Irregular	Overflow	20		4.75	4.70					
DW_DS008229_O1	DW_DS008229	DW_DS009011	Irregular	Overflow	20		5.00	4.90					
DW_DS008229_O2	DW_DS008229	DW_DS008233	Irregular	Overflow	20		4.80	4.70					
DW_DS008230_O1	DW_DS008230	DW_DS008228	Irregular	Overflow	20		4.80	4.70					
DW_DS008230_O2	DW_DS008230	DW_DS008232	Irregular	Overflow	20		4.75	4.70					
DW_DS008232_O	DW_DS008232	DW_DS008235	Irregular	Overflow	20		4.60	4.50					
DW_DS008233_O1	DW_DS008233	DW_DMH001758	Irregular	Overflow	20		4.95	4.90					
DW_DS008233_O2	DW_DS008233	DW_DS008234	Irregular	Overflow	20		4.75	4.70					
DW_DS008234_O1	DW_DS008234	DW_DS008236	Irregular	Overflow	20		4.65	4.60					
DW_DS008234_O2	DW_DS008234	DW_DMH001756	Irregular	Overflow	20		4.80	4.70					
DW_DS008235_O1	DW_DS008235	DW_DS008234	Irregular	Overflow	20		4.70	4.60					
DW_DS008235_O2	DW_DS008235	DW_DS008236	Irregular	Overflow	20		4.80	4.70					
DW_DS008236_O1	DW_DS008236	DW_DS004189	Irregular	Overflow	20		5.60	5.50					
DW_DS008236_O2	DW_DS008236	DW_DMH001754	Irregular	Overflow	20		4.80	4.70					
DW_DS008236_O3	DW_DS008236	DW_DMH001756	Irregular	Overflow	20		4.90	4.80					
DW_DS008239_O1	DW_DS008239	DW_DS008236	Irregular	Overflow	20		4.60	4.50					
DW_DS008239_O2	DW_DS008239	DW_DMH001754	Irregular	Overflow	20		4.70	4.60					
DW_DS008239_O3	DW_DS008239	DW_DS008998	Irregular	Overflow	20		4.90	4.80					
DW_DS008244_O	DW_DS008244	DW_DS008239	Irregular	Overflow	20		4.70	4.60					
DW_DS008382_O1	DW_DS008382	DW_DS001349	Irregular	Overflow	20		4.75	4.70					
DW_DS008382_O2	DW_DS008382	DW_AGE999884	Irregular	Overflow	20		4.35	4.30					
DW_DS008384_O	DW_DS008384	DW_DO000777	Irregular	Overflow	20		5.10	5.00					
DW_DS008385_O1	DW_DS008385	DW_DS008384	Irregular	Overflow	20		5.10	5.00					
DW_DS008385_O2	DW_DS008385	DW_AGE999884	Irregular	Overflow	20		4.50	4.40					
DW_DS008662_O	DW_DS008662	DW_DS008665	Irregular	Overflow	20		5.70	5.60					
DW_DS008665_O	DW_DS008665	DW_DS008673	Irregular	Overflow	20		4.80	4.70					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_DS008673_O	DW_DS008673	DW_DS007729	Irregular	Overflow	20		4.10	4.00					
DW_DS008678_O	DW_DS008678	DW_DS008680	Irregular	Overflow	20		4.50	4.40					
DW_DS008680_O	DW_DS008680	DW_DS008682	Irregular	Overflow	20		4.80	4.70					
DW_DS008682_O1	DW_DS008682	DW_DS008665	Irregular	Overflow	20		4.80	4.70					
DW_DS008682_O2	DW_DS008682	DW_DS007729	Irregular	Overflow	20		4.75	4.70					
DW_DS008714_O1	DW_DS008714	DW_DS002103	Irregular	Overflow	20		5.35	5.30					
DW_DS008714_O2	DW_DS008714	BC_DO000070	Irregular	Overflow	20		6.30	6.20					
DW_DS008715_O1	DW_DS008715	DW_DS001398	Irregular	Overflow	20		5.65	5.60					
DW_DS008715_O2	DW_DS008715	DW_DS008714	Irregular	Overflow	20		5.70	5.60					
DW_DS008715_O3	DW_DS008715	DW_DS001380	Irregular	Overflow	20		5.65	5.60					
DW_DS008998_O1	DW_DS008998	DW_DMH001751	Irregular	Overflow	20		4.50	4.40					
DW_DS008998_O2	DW_DS008998	DW_DS008999	Irregular	Overflow	20		4.45	4.40					
DW_DS008999_O1	DW_DS008999	DW_DMH001751	Irregular	Overflow	20		4.75	4.70					
DW_DS008999_O2	DW_DS008999	DW_AGE999860	Irregular	Overflow	20		4.80	4.70					
DW_DS009006_O	DW_DS009006	DW_DS009007	Irregular	Overflow	20		4.90	4.80					
DW_DS009007_O	DW_DS009007	DW_DS002102	Irregular	Overflow	20		4.60	4.50					
DW_DS009009_O1	DW_DS009009	DW_DS002102	Irregular	Overflow	20		4.70	4.60					
DW_DS009009_O2	DW_DS009009	DW_DMH001758	Irregular	Overflow	20		4.80	4.70					
DW_DS009011_O1	DW_DS009011	DW_DMH001758	Irregular	Overflow	20		4.95	4.90					
DW_DS009011_O2	DW_DS009011	DW_DS009012	Irregular	Overflow	20		4.85	4.80					
DW_DS009012_O1	DW_DS009012	DW_DS001403	Irregular	Overflow	20		4.85	4.80					
DW_DS009012_O2	DW_DS009012	DW_AGE999785	Irregular	Overflow	20		4.55	4.50					
DW_DS009012_O3	DW_DS009012	DW_DS009009	Irregular	Overflow	20		4.90	4.80					
DW_DS009014_O1	DW_DS009014	DW_DS008228	Irregular	Overflow	20		5.00	4.90					
DW_DS009014_O2	DW_DS009014	DW_DS009011	Irregular	Overflow	20		4.85	4.80					
DW_DS009246_O1	DW_DS009246	DW_DS001406	Irregular	Overflow	20		5.60	5.50					
DW_DS009246_O2	DW_DS009246	DW_DS002119	Irregular	Overflow	20		5.80	5.70					
DW_DS009251_O1	DW_DS009251	DW_DS001382	Irregular	Overflow	20		5.25	5.20					
DW_DS009251_O2	DW_DS009251	DW_AGE999853	Irregular	Overflow	20		5.60	5.50					
DW_NID10138_O	DW_NID10138	DW_DS001354	Irregular	Overflow	20		5.80	5.70					
DW_NID10192_O	DW_NID10192	DW_DMH000054	Irregular	Overflow	20		5.80	5.70					
HGW_AGE999698_O	HGW_AGE999698	HGW_AGE999733	Irregular	Overflow	20		8.70	8.60					
HGW_AGE999727_O1	HGW_AGE999727	HGW_DO000868	Irregular	Overflow	20		8.95	8.90					
HGW_AGE999727_O2	HGW_AGE999727	HGW_DS002283	Irregular	Overflow	20		8.65	8.60					
HGW_AGE999727_O3	HGW_AGE999727	HGW_DO000869	Irregular	Overflow	20		8.75	8.70					
HGW_AGE999727_O4	HGW_AGE999727	HGW_AGE999732	Irregular	Overflow	20		8.55	8.50					
HGW_AGE999728_O1	HGW_AGE999728	HGW_AGE999731	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999728_O2	HGW_AGE999728	HGW_AGE999727	Irregular	Overflow	20		8.50	8.40					
HGW_AGE999728_O3	HGW_AGE999728	HGW_DS002404	Irregular	Overflow	20		8.65	8.60					
HGW_AGE999729_O1	HGW_AGE999729	HGW_DS009462	Irregular	Overflow	20		9.35	9.30					
HGW_AGE999729_O2	HGW_AGE999729	HGW_AGE999731	Irregular	Overflow	20		9.00	8.90					
HGW_AGE999729_O3	HGW_AGE999729	HGW_AGE999730	Irregular	Overflow	20		8.55	8.50					
HGW_AGE999730_O1	HGW_AGE999730	HGW_AGE999731	Irregular	Overflow	20		8.15	8.10					
HGW_AGE999731_O1	HGW_AGE999731	HGW_AGE999732	Irregular	Overflow	20		8.05	8.00					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HGW_AGE999733	HGW_AGE999733	HGW_AGE999732	Irregular	Overflow	20		8.20	8.10					
HGW_AGE999733	HGW_AGE999733	HGW_AGE999737	Irregular	Overflow	20		9.10	9.00					
HGW_AGE999734	HGW_AGE999734	HGW_AGE999730	Irregular	Overflow	20		8.30	8.20					
HGW_AGE999735	HGW_AGE999735	HGW_AGE999698	Irregular	Overflow	20		8.80	8.70					
HGW_AGE999735	HGW_AGE999735	HGW_AGE999734	Irregular	Overflow	20		8.25	8.20					
HGW_AGE999736	HGW_AGE999736	HGW_DO000869	Irregular	Overflow	20		8.95	8.90					
HGW_AGE999736	HGW_AGE999736	HGW_DS009650	Irregular	Overflow	20		8.85	8.80					
HGW_AGE999736	HGW_AGE999736	HGW_AGE999737	Irregular	Overflow	20		8.90	8.80					
HGW_AGE999736	HGW_AGE999736	HGW_AGE999727	Irregular	Overflow	20		8.85	8.80					
HGW_AGE999736	HGW_AGE999736	HGW_AGE999732	Irregular	Overflow	20		8.95	8.90					
HGW_AGE999737	HGW_AGE999737	HGW_DS009650	Irregular	Overflow	20		8.65	8.60					
HGW_AGE999738	HGW_AGE999738	HGW_AGE999739	Irregular	Overflow	20		8.70	8.60					
HGW_AGE999738	HGW_AGE999738	HGW_AGE999735	Irregular	Overflow	20		8.55	8.50					
HGW_AGE999739	HGW_AGE999739	HGW_AGE999698	Irregular	Overflow	20		8.90	8.80					
HGW_AGE999740	HGW_AGE999740	HGW_AGE999698	Irregular	Overflow	20		9.20	9.10					
HGW_AGE999740	HGW_AGE999740	HGW_DMH002038	Irregular	Overflow	20		9.20	9.10					
HGW_AGE999741	HGW_AGE999741	HGW_DO000910	Irregular	Overflow	20		9.30	9.20					
HGW_AGE999741	HGW_AGE999741	HGW_DS002264	Irregular	Overflow	20		9.50	9.40					
HGW_AGE999741	HGW_AGE999741	HGW_DO000911	Irregular	Overflow	20		9.95	9.90					
HGW_AGE999744	HGW_AGE999744	HGW_AGE999745	Irregular	Overflow	20		9.75	9.70					
HGW_AGE999744	HGW_AGE999744	HGW_DS002338	Irregular	Overflow	20		9.60	9.50					
HGW_AGE999745	HGW_AGE999745	HGW_DMH002038	Irregular	Overflow	20		8.80	8.70					
HGW_AGE999746	HGW_AGE999746	HGW_DS004949	Irregular	Overflow	20		9.40	9.30					
HGW_AGE999746	HGW_AGE999746	HGW_DS009811	Irregular	Overflow	20		9.30	9.20					
HGW_AGE999748	HGW_AGE999748	HGW_AGE999744	Irregular	Overflow	20		9.75	9.70					
HGW_AGE999748	HGW_AGE999748	HGW_AGE999745	Irregular	Overflow	20		9.60	9.50					
HGW_AGE999749	HGW_AGE999749	HGW_DS010188	Irregular	Overflow	20		9.00	8.90					
HGW_AGE999749	HGW_AGE999749	HGW_AGE999748	Irregular	Overflow	20		9.45	9.40					
HGW_AGE999750	HGW_AGE999750	HGW_DS010188	Irregular	Overflow	20		9.00	8.90					
HGW_AGE999750	HGW_AGE999750	HGW_AGE999749	Irregular	Overflow	20		8.75	8.70					
HGW_DMH002038	HGW_DMH002038	HGW_DS009811	Irregular	Overflow	20		9.45	9.40					
HGW_DMH002038	HGW_DMH002038	HGW_DS009812	Irregular	Overflow	20		9.00	8.90					
HGW_DO000911_C	HGW_DO000911	HGW_DS002264	Irregular	Overflow	20		9.35	9.30					
HGW_DS002264_O	HGW_DS002264	HGW_DS002272	Irregular	Overflow	20		9.40	9.30					
HGW_DS002264_O	HGW_DS002264	HGW_DO000910	Irregular	Overflow	20		10.10	10.00					
HGW_DS002264_O	HGW_DS002264	441_DS000160	Irregular	Overflow	20		9.95	9.90					
HGW_DS002265_O	HGW_DS002265	HGW_DS002264	Irregular	Overflow	20		9.50	9.40					
HGW_DS002265_O	HGW_DS002265	HGW_DO000911	Irregular	Overflow	20		9.75	9.70					
HGW_DS002272_O	HGW_DS002272	HGW_DS010155	Irregular	Overflow	20		8.80	8.70					
HGW_DS002283_O	HGW_DS002283	HGW_DO000868	Irregular	Overflow	20		8.85	8.80					
HGW_DS002283_O	HGW_DS002283	HGW_DO000869	Irregular	Overflow	20		8.70	8.60					
HGW_DS002338_O	HGW_DS002338	HGW_DS009795	Irregular	Overflow	20		8.65	8.60					
HGW_DS002340_O	HGW_DS010184	441_DS010185	Irregular	Overflow	20		10.15	10.10					
HGW_DS002404_O	HGW_DS002404	HGW_AGE999727	Irregular	Overflow	20		8.65	8.60					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
HGW_DS002404_O	HGW_DS002404	HGW_DO000868	Irregular	Overflow	20		9.05	9.00					
HGW_DS002724_O	HGW_DS002724	HGW_DS009818	Irregular	Overflow	20		9.10	9.00					
HGW_DS002724_O	HGW_DS002724	HGW_AGE999739	Irregular	Overflow	20		8.60	8.50					
HGW_DS002724_O	HGW_DS002724	HGW_AGE999740	Irregular	Overflow	20		9.25	9.20					
HGW_DS004949_O	HGW_DS004949	HGW_DS009818	Irregular	Overflow	20		9.15	9.10					
HGW_DS008758_O	HGW_DS008758	HGW_AGE999750	Irregular	Overflow	20		9.70	9.60					
HGW_DS008758_O	HGW_DS008758	HGW_DS010196	Irregular	Overflow	20		10.30	10.20					
HGW_DS009467_O	HGW_DS009467	HGW_DS009640	Irregular	Overflow	20		9.15	9.10					
HGW_DS009467_O	HGW_DS009467	HGW_DS009462	Irregular	Overflow	20		9.40	9.30					
HGW_DS009640_O	HGW_DS009640	HGW_DS002404	Irregular	Overflow	20		8.25	8.20					
HGW_DS009641_O	HGW_DS009641	441_DS009644	Irregular	Overflow	20		9.50	9.40					
HGW_DS009641_O	HGW_DS009641	HGW_DS009642	Irregular	Overflow	20		9.20	9.10					
HGW_DS009641_O	HGW_DS009641	HGW_DO000868	Irregular	Overflow	20		9.05	9.00					
HGW_DS009642_O	HGW_DS009642	HGW_DS002283	Irregular	Overflow	20		8.90	8.80					
HGW_DS009646_O	HGW_DS009646	HGW_DS002283	Irregular	Overflow	20		8.50	8.40					
HGW_DS009646_O	HGW_DS009646	HGW_DO000869	Irregular	Overflow	20		8.70	8.60					
HGW_DS009650_O	HGW_DS009650	HGW_DS009646	Irregular	Overflow	20		8.70	8.60					
HGW_DS009650_O	HGW_DS009650	HGW_DO000869	Irregular	Overflow	20		8.70	8.60					
HGW_DS009795_O	HGW_DS009795	HGW_DM0002038	Irregular	Overflow	20		9.00	8.90					
HGW_DS009811_O	HGW_DS009811	HGW_DS009812	Irregular	Overflow	20		9.50	9.40					
HGW_DS009811_O	HGW_DS009811	HGW_DS009818	Irregular	Overflow	20		9.35	9.30					
HGW_DS009812_O	HGW_DS009812	HGW_DS002724	Irregular	Overflow	20		9.00	8.90					
HGW_DS009818_O	HGW_DS009818	HH_AGE999655x	Irregular	Overflow	20		8.70	8.60					
HGW_DS010155_O	HGW_DS010155	HGW_DO000910	Irregular	Overflow	20		8.60	8.50					
HGW_DS010155_O	HGW_DS010155	HGW_DS009650	Irregular	Overflow	20		8.25	8.20					
HGW_DS010174_O	HGW_DS010174	HGW_DS002265	Irregular	Overflow	20		9.45	9.40					
HGW_DS010174_O	HGW_DS010174	HGW_DS009795	Irregular	Overflow	20		9.90	9.80					
HGW_DS010179_O	HGW_DS010179	HGW_DS010184	Irregular	Overflow	20		9.75	9.70					
HGW_DS010179_O	HGW_DS010179	HGW_DS002338	Irregular	Overflow	20		9.85	9.80					
HGW_DS010179_O	HGW_DS010179	HGW_AGE999744	Irregular	Overflow	20		9.90	9.80					
HGW_DS010187_O	HGW_DS010187	HGW_DS010184	Irregular	Overflow	20		9.80	9.70					
HGW_DS010188_O	HGW_DS010188	HGW_DS010187	Irregular	Overflow	20		9.10	9.00					
HGW_DS010196_O	HGW_DS010196	441_DS010195	Irregular	Overflow	20		10.25	10.20					
LA_AGE999703_O1	LA_AGE999703	LA_DS009497	Irregular	Overflow	20		8.45	8.40					
LA_AGE999703_O2	LA_AGE999703	LA_DS009619	Irregular	Overflow	20		8.20	8.10					
LA_DM000796_O: LA_DM000796	LA_DM000796	LA_DM001699	Irregular	Overflow	20		9.15	9.10					
LA_DM000796_O: LA_DM000796	LA_DM000796	LA_DS009619	Irregular	Overflow	20		9.25	9.20					
LA_DM001699_O LA_DM001699	LA_DM001699	LA_DS009619	Irregular	Overflow	20		8.55	8.50					
LA_DS000200_O1 LA_DS000200	LA_DS000200	HH_AGE999352y	Irregular	Overflow	20		8.70	8.60					
LA_DS000200_O2 LA_DS000200	LA_DS000200	WP_DS009657	Irregular	Overflow	20		8.65	8.60					
LA_DS000290_O LA_DS000290	LA_DS000290	LA_DM000796	Irregular	Overflow	20		8.45	8.40					
LA_DS002289_O1 LA_DS002289	LA_DS002289	LA_DM001699	Irregular	Overflow	20		8.85	8.80					
LA_DS002289_O2 LA_DS002289	LA_DS002289	HGW_DS002404	Irregular	Overflow	20		8.80	8.70					
LA_DS009466_O1 LA_DS009466	LA_DS009466	LA_DS002289	Irregular	Overflow	20		9.10	9.00					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
LA_DS009466_O2	LA_DS009466	LA_DS004923	Irregular	Overflow	20		9.10	9.00					
LA_DS009497_O	LA_DS009497	WP_DMH001964	Irregular	Overflow	20		8.90	8.80					
LA_DS009619_O	LA_DS009619	LA_DS009497	Irregular	Overflow	20		8.90	8.80					
LA_DS009633_O1	LA_DS009633	LA_DS000290	Irregular	Overflow	20		8.45	8.40					
LA_DS009633_O2	LA_DS009633	LA_DS002289	Irregular	Overflow	20		8.60	8.50					
SBDD02_O	SBDD02	BC_AGE999263	Irregular	Overflow	20		6.00	5.90					
SBDD03_O	SBDD03	BC_AGE999261	Irregular	Overflow	20		6.20	6.10					
SBDD04_O	SBDD04	SBDD08	Irregular	Overflow	20		6.80	6.70					
SBDD05_O	SBDD05	SBDD18	Irregular	Overflow	20		6.80	6.70					
SBDD06_O	SBDD06	SBDD09	Irregular	Overflow	20		6.60	6.50					
SBDD07_O	SBDD07	SBDD15	Irregular	Overflow	20		4.85	4.80					
SBDD08_O	SBDD13	SBDD12	Irregular	Overflow	20		5.70	5.60					
SBDD14_O	SBDD14	SBDD15	Irregular	Overflow	20		5.10	5.00					
SBDD17_OF	SBDD17	West-BC_Out7	Irregular	Overflow	20		4.10	4.00					
WP_AGE999700_O:WP_AGE999700	WP_AGE999700	WP_DS003649	Irregular	Overflow	20		8.65	8.60					
WP_AGE999700_O:WP_AGE999700	WP_AGE999700	WP_DS003656	Irregular	Overflow	20		9.00	8.90					
WP_AGE999700_O:WP_AGE999700	WP_AGE999700	WP_DS009477	Irregular	Overflow	20		9.30	9.20					
WP_AGE999701_O:WP_AGE999701	WP_AGE999701	WP_DMH001964	Irregular	Overflow	20		9.15	9.10					
WP_AGE999701_O:WP_AGE999701	WP_AGE999701	WP_DS009657	Irregular	Overflow	20		9.05	9.00					
WP_DO000855_O	WP_DO000855	WP_DS009478	Irregular	Overflow	20		9.05	9.00					
WP_DO000857_O	WP_DO000857	WP_DS009482	Irregular	Overflow	20		9.10	9.00					
WP_DO000864_O	WP_DO000864	WP_DS009604	Irregular	Overflow	20		9.20	9.10					
WP_DS000245_O3	WP_DS000245	WP_DS003639	Irregular	Overflow	20		9.70	9.60					
WP_DS002314_O1	WP_DS002314	WP_DS009482	Irregular	Overflow	20		9.25	9.20					
WP_DS002314_O2	WP_DS002314	WP_DS009597	Irregular	Overflow	20		9.20	9.10					
WP_DS002314_O3	WP_DS002314	WP_DO000864	Irregular	Overflow	20		9.30	9.20					
WP_DS002314_O4	WP_DS002314	WP_DMH001964	Irregular	Overflow	20		9.35	9.30					
WP_DS003636_O1	WP_DS003636	WP_DS009657	Irregular	Overflow	20		9.35	9.30					
WP_DS003636_O2	WP_DS003636	HH_AGE999352x	Irregular	Overflow	20		9.30	9.20					
WP_DS003639_O1	WP_DS003639	WP_DS004254	Irregular	Overflow	20		9.65	9.60					
WP_DS003639_O2	WP_DS003639	WP_DS009475	Irregular	Overflow	20		9.50	9.40					
WP_DS003649_O1	WP_DS003649	BC_DS003653	Irregular	Overflow	20		9.15	9.10					
WP_DS003649_O2	WP_DS003649	BC_FDOT15869	Irregular	Overflow	20		9.05	9.00					
WP_DS003656_O	WP_DS003656	WP_DO000855	Irregular	Overflow	20		9.20	9.10					
WP_DS004254_O1	WP_DS004254	WP_DS009475	Irregular	Overflow	20		9.50	9.40					
WP_DS004254_O2	WP_DS004254	WP_DS002314	Irregular	Overflow	20		9.45	9.40					
WP_DS004254_O3	WP_DS004254	WP_AGE999701	Irregular	Overflow	20		9.55	9.50					
WP_DS004267_O	WP_DS004267	BC_FDOT15869	Irregular	Overflow	20		9.15	9.10					
WP_DS009475_O1	WP_DS009475	WP_DS003656	Irregular	Overflow	20		9.30	9.20					
WP_DS009475_O2	WP_DS009475	WP_AGE999700	Irregular	Overflow	20		9.40	9.30					
WP_DS009477_O1	WP_DS009477	WP_DS009594	Irregular	Overflow	20		9.00	8.90					
WP_DS009477_O2	WP_DS009477	WP_DO000855	Irregular	Overflow	20		9.00	8.90					
WP_DS009478_O	WP_DS009478	WP_DO000857	Irregular	Overflow	20		9.05	9.00					
WP_DS009482_O	WP_DS009482	WP_DO000861	Irregular	Overflow	20		9.05	9.00					

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
WP_DS009590_O1	WP_DS009590	WP_DS004267	Irregular	Overflow	20		9.30	9.20					
WP_DS009590_O2	WP_DS009590	WP_DS009477	Irregular	Overflow	20		9.55	9.50					
WP_DS009594_O	WP_DS009594	WP_DS009478	Irregular	Overflow	20		8.90	8.80					
WP_DS009596_O	WP_DS009596	WP_DS009478	Irregular	Overflow	20		9.25	9.20					
WP_DS009597_O1	WP_DS009597	WP_DO000861	Irregular	Overflow	20		9.00	8.90					
WP_DS009597_O2	WP_DS009597	WP_DO000864	Irregular	Overflow	20		8.80	8.70					
WP_DS009599_O	WP_DS009599	WP_DS009597	Irregular	Overflow	20		8.95	8.90					
WP_DS009604_O	WP_DS009604	WP_DMH001964	Irregular	Overflow	20		8.90	8.80					
WP_DS009657_O1	WP_DS009657	WP_DMH001964	Irregular	Overflow	20		9.00	8.90					
WP_DS009657_O2	WP_DS009657	LA_DS009497	Irregular	Overflow	20		8.40	8.30					
BC_AGE999275SW	BC_AGE999275	BP_DO000123	Irregular	Swale	180		3.80	2.60					
BC_AGE999277SW	BC_AGE999277	BP_DO000097	Irregular	Swale	700		5.00	3.50					
BC_AGE999279SW	BC_AGE999279	BC_AGE999705	Irregular	Swale	530		2.00	1.90					
BC_AGE999286SW	BC_AGE999286	BC_AGE999285	Irregular	Swale	200		2.40	2.20					
BC_AGE999289SW	BC_AGE999289	BC_AGE999288	Irregular	Swale	1,200		5.00	2.00					
BC_AGE999682SW	BC_AGE999682	BC_AGE999683	Irregular	Swale	100		2.60	1.80					
BC_AGE999684SW	BC_AGE999684	BC_AGE999685	Irregular	Swale	70		3.50	2.70					
BC_AGE999705SW	BC_AGE999705	West-BC_TP_O1	Irregular	Swale	1,930		1.90	1.80					
BC_DO000028SW	BC_DO000028	BC_DO000834	Irregular	Swale	100		3.00	2.00					
BC_DO000047SW	BC_DO000047	BC_DO000836	Irregular	Swale	100		3.00	2.40					
BC_DO000050SW	BC_DO000050	BC_DO000832	Irregular	Swale	100		3.00	2.40					
BC_DO000053SW	BC_DO000053	BC_DO000824	Irregular	Swale	110		1.00	2.00					
BC_DO000058SW	BC_DO000058	BC_DO000830	Irregular	Swale	90		2.50	1.50					
BC_DO000062SW	BC_DO000062	BC_DO000828	Irregular	Swale	90		2.80	2.20					
BC_DO000063SW	BC_DO000063	BC_DO000826	Irregular	Swale	105		3.20	2.20					
BH_AGE999280SW	BH_AGE999280	BH_NID10273	Irregular	Swale	400		7.00	5.50					
BH_DO000076SW	BH_DO000076	BH_DO000073	Irregular	Swale	1,000		5.50	2.50					
BH_DO000077SW	BH_DO000077	BH_DO000076	Irregular	Swale	250		4.40	6.00					
BH_DO000082SW	BH_DO000082	BH_NID10269	Irregular	Swale	200		6.00	4.50					
BH_NID10269SW	BH_NID10269	BH_DO000077	Irregular	Swale	260		5.40	4.40					
BH_NID10272SW	BH_NID10272	BH_DO000082	Irregular	Swale	800		6.80	5.40					
BP_DO000097SW	BP_DO000097	BC_AGE999276	Irregular	Swale	1,100		2.00	3.00					
BP_DO000100SW	BP_DO000100	BC_AGE999278	Irregular	Swale	1,600		1.80	2.00					
CH_AGE999686SW	CH_AGE999686	CH_DS007029	Irregular	Swale	650		-1.00	-1.10					
DW_AGE999690SW	DW_AGE999690	DW_AGE999691	Irregular	Swale	200		2.40	2.10					
DW_DO000069SW	DW_DO000069	DW_AGE999690	Irregular	Swale	350		2.00	0.50					
DW_DO000071SW	DW_DO000071	DW_DO000069	Irregular	Swale	510		2.50	2.00					
DW_DO000072SW	DW_DO000072	DW_DO000071	Irregular	Swale	500		2.10	2.50					
441_FDG000006_1	441_NID14163	441_DO000056	Rectangular Box	Culvert	147	0.013	-1.50	-1.60	4.00	4.00	1	0.3	0.5
441_FDG000006_2	441_NID14163	441_DO000055	Rectangular Box	Culvert	26	0.013	-1.50	-1.60	4.00	4.00	1	0.3	0.5
BC_AGE999281	BC_AGE999281	BC_AGE999277	Rectangular Box	Culvert	15	0.013	7.20	7.00	0.50	5.00	1	0.3	0.5
DW_DMH000084_1	BH_DO000073	DW_DMH000084	Rectangular Box	Culvert	65	0.013	2.50	2.42	4.00	4.00	1	0.5	0.2
DW_DMH000084_2	DW_DMH000084	DW_DO000072	Rectangular Box	Culvert	20	0.013	2.42	2.10	4.00	4.00	1	0.3	0.5
DW_FDG000005_1	DW_FDG000005	DW_DO000051	Rectangular Box	Culvert	121	0.013	-1.50	-1.60	4.00	4.00	1	0.3	0.5

Table HW-3 Hydraulic Conduit Data

Name	Upstream Node	Downstream Node	Shape	Type	Length (ft)	Roughness	Upstream Invert Elevation (ft NAVD)	Downstream Invert Elevation (ft NAVD)	Diameter (Height) (ft)	Width (ft)	Number of Barrels	Entrance Loss	Exit Loss
DW_FDG000005_2	DW_FDG000005	DW_DO000054	Rectangular Box	Culvert	57	0.013	-1.50	-1.60	4.00	4.00	1	0.3	0.5
DW_NID10138	DW_NID10138	DW_DS002082	Trapezoidal	Composite	20	0.013	5.80	5.00	1.00	2.00	3	0.0	0.0

Table HW-4 Model Pump Data

Name	Upstream Node	Downstream Node	Startup Elevation (Feet NAVD)	Ahutoff Elevation (Feet NAVD)	Max_CFS
BC_SBDD_S1_1	BC_SBDD_O1	BC_SBDD_S1_DS	1.5	0.9	87.0
BC_SBDD_S1_2	BC_SBDD_O1	BC_SBDD_S1_DS	1.7	0.9	169.0
BC_SBDD_S1_3	BC_SBDD_O1	BC_SBDD_S1_DS	1.8	0.9	169.0

Table HW-5 Model Weir Data

Name	Upstream Node	Downstream Node	Type	Length (ft)	Coefficient	Height* (ft)	Invert (ft NAVD)
441_DS002276W	441_DS002276	BH_DS002434	Transverse	15.0	3.1	0.5	11.0
CH_DS007029W	CH_DS007029	CH_DS007029b	Transverse	8.0	3.1	10.0	1.5
DS009295W1	DS009295	BC_DS006965	Transverse	3.0	3.1	1.0	1.0
DS009295W2	DS009295	BC_DS006965	Transverse	15.0	3.1	2.0	2.0
DW_DS007837W	DW_DS007837	DW_DS007838	Transverse	12.0	3.1	10.0	3.5

Table HW-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HU441_DS000041	556	0
HU441_DS002110	202	0
HU441_DS002126	852	0
HU441_DS002216	105	0
HU441_DS002244	117	0
HU441_DS002387	100	0
HU441_DS004921	195	0
HU441_DS008709	131	0
HU441_DS010180	193	0
HU441_DS010185	297	0
HUBC_AGE999291	177	0
HUBC_DS001427	1194	0
HUBC_DS002190	792	0
HUBH_AGE999809	37	0
HUBH_AGE999820	169	0
HUBH_AGE999827	87	0
HUBH_AGE999830	67	0
HUBH_AGE999843	64	0
HUBH_DMH000055	632	0
HUBH_DMH000071	500	0
HUBH_DS000135	388	0
HUBH_DS000136	592	0
HUBH_DS000257	283	0
HUBH_DS001370	26	0
HUBH_DS001412	551	0
HUBH_DS001424	999	0
HUBH_DS001438	376	0
HUBH_DS001445	435	0
HUBH_DS001447	195	0
HUBH_DS001450	35	0
HUBH_DS002094	130	0
HUBH_DS002142	456	0
HUBH_DS002157	382	0
HUBH_DS002171	179	0
HUBH_DS002181	655	0
HUBH_DS002186	75	0
HUBH_DS002239	87	0
HUBH_DS002249	15	0
HUBH_DS002251	97	0
HUBH_DS002409	517	0
HUBH_DS005461	55	0
HUBH_DS007683	651	0
HUBH_DS008819	348	0
HUBH_DS008822	40	0
HUBH_DS009332	323	0

Table HW-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HUBP_AGE999712	91	0
HUBP_AGE999722	844	0
HUBP_DMH001948	251	0
HUBP_DMH001963	85	0
HUBP_DMH001975	51	0
HUBP_DS002308	782	0
HUBP_DS002310	205	0
HUBP_DS004272	566	0
HUBP_DS007011	869	0
HUBP_DS007049	94	0
HUBP_DS009600	27	0
HUBP_DS009627	90	0
HUDW_AGE999696	461	0
HUDW_AGE999865	491	0
HUDW_DMH000098	220	0
HUDW_DS000100	1160	0
HUDW_DS001327	100	0
HUDW_DS002016	278	0
HUDW_DS002018	41	0
HUDW_DS002065	33	0
HUDW_DS002082	357	0
HUDW_DS002115	738	0
HUDW_DS002133	498	0
HUDW_DS002515	580	0
HUDW_DS002521	107	0
HUDW_DS002551	222	0
HUDW_DS002568	107	0
HUDW_DS002569	54	0
HUDW_DS002571	81	0
HUDW_DS002654	115	0
HUDW_DS004218	665	0
HUDW_DS004786	83	0
HUDW_DS007028	143	0
HUDW_DS008662	303	0
HUDW_DS008665	238	0
HUDW_DS008673	471	0
HUDW_DS008680	147	0
HUDW_DS008682	165	0
HUDW_DS008715	356	0
HUDW_DS009014	161	0
HUDW_DS009251	505	0
HUHWG_AGE999748	55	0
HUHWG_DMH002038	863	0
HUHWG_DS002264	631	0
HUHWG_DS002265	536	0

Table HW-6 Model Exfiltration Data

Subcatchment	Exfiltration Length (ft)	Wells (#)
HUHWG_DS002724	308	0
HUHWG_DS008758	623	0
HUHWG_DS009462	394	0
HUHWG_DS009650	273	0
HUHWG_DS009795	536	0
HUHWG_DS009818	830	0
HUHWG_DS010179	515	0
HUHWG_DS010196	277	0
HULA_DM000796	126	0
HULA_DM001699	3965	0
HULA_DS000200	1134	0
HULA_DS009497	96	0
HUWP_AGE999701	186	0
HUWP_DM001964	124	0
HUWP_DO000857	39	0
HUWP_DO000864	35	0
HUWP_DS003636	161	0
HUWP_DS003639	531	0
HUWP_DS003649	65	0
HUWP_DS003656	492	0
HUWP_DS004254	201	0
HUWP_DS009475	50	0
HUWP_DS009657	76	0