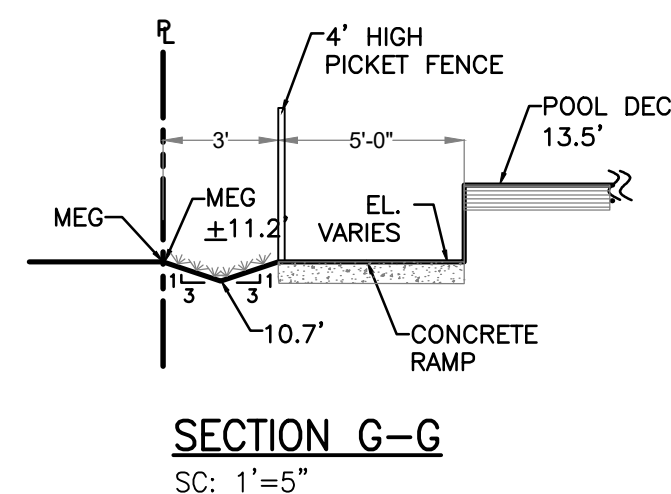
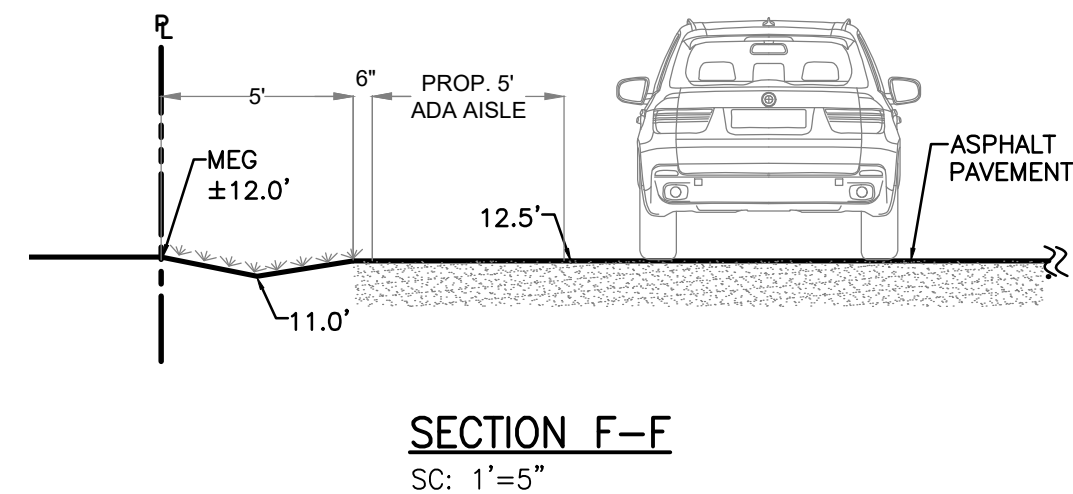
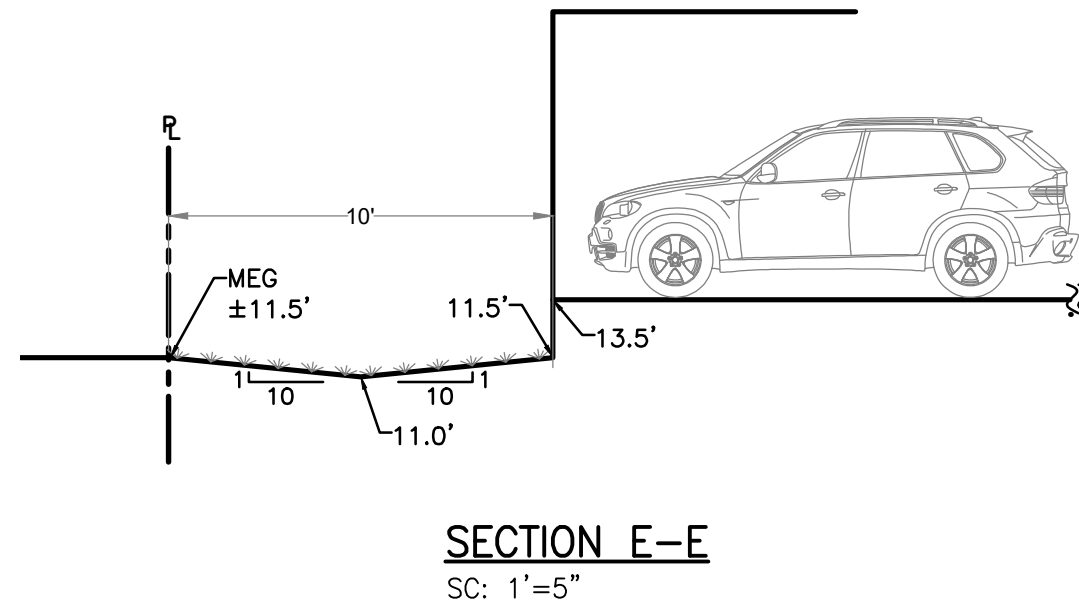
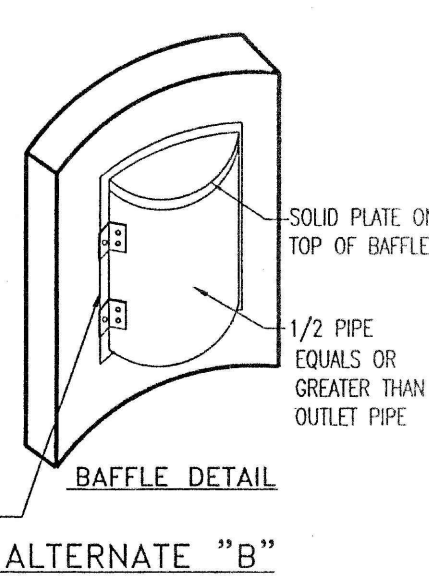
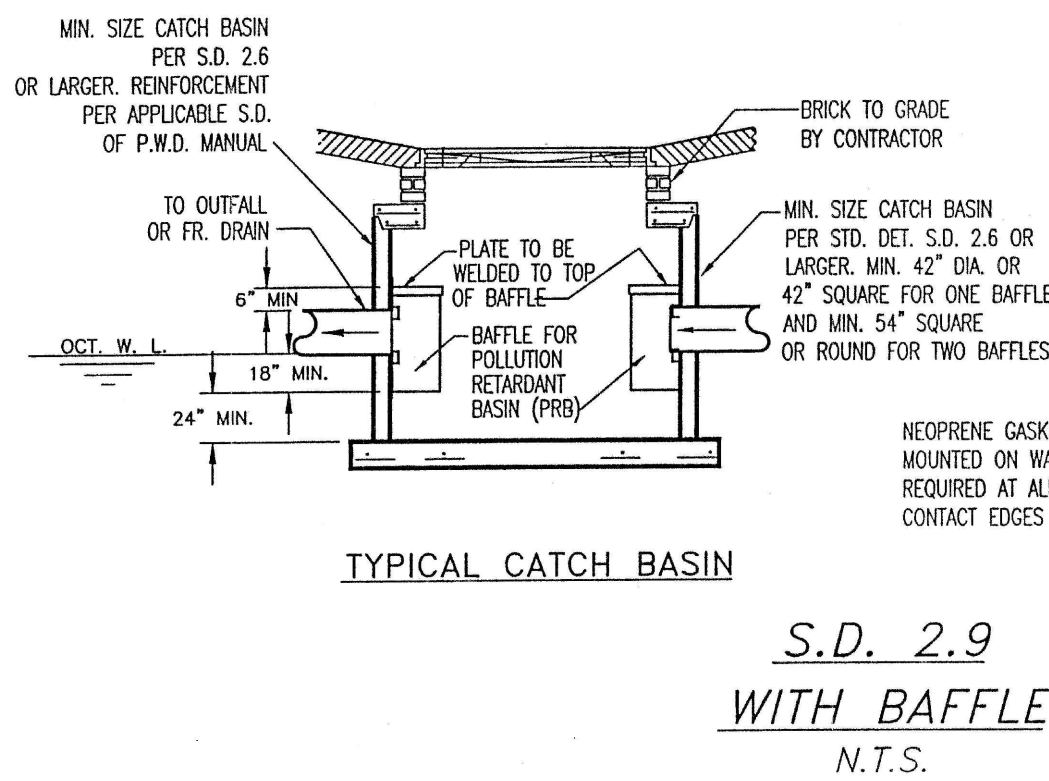
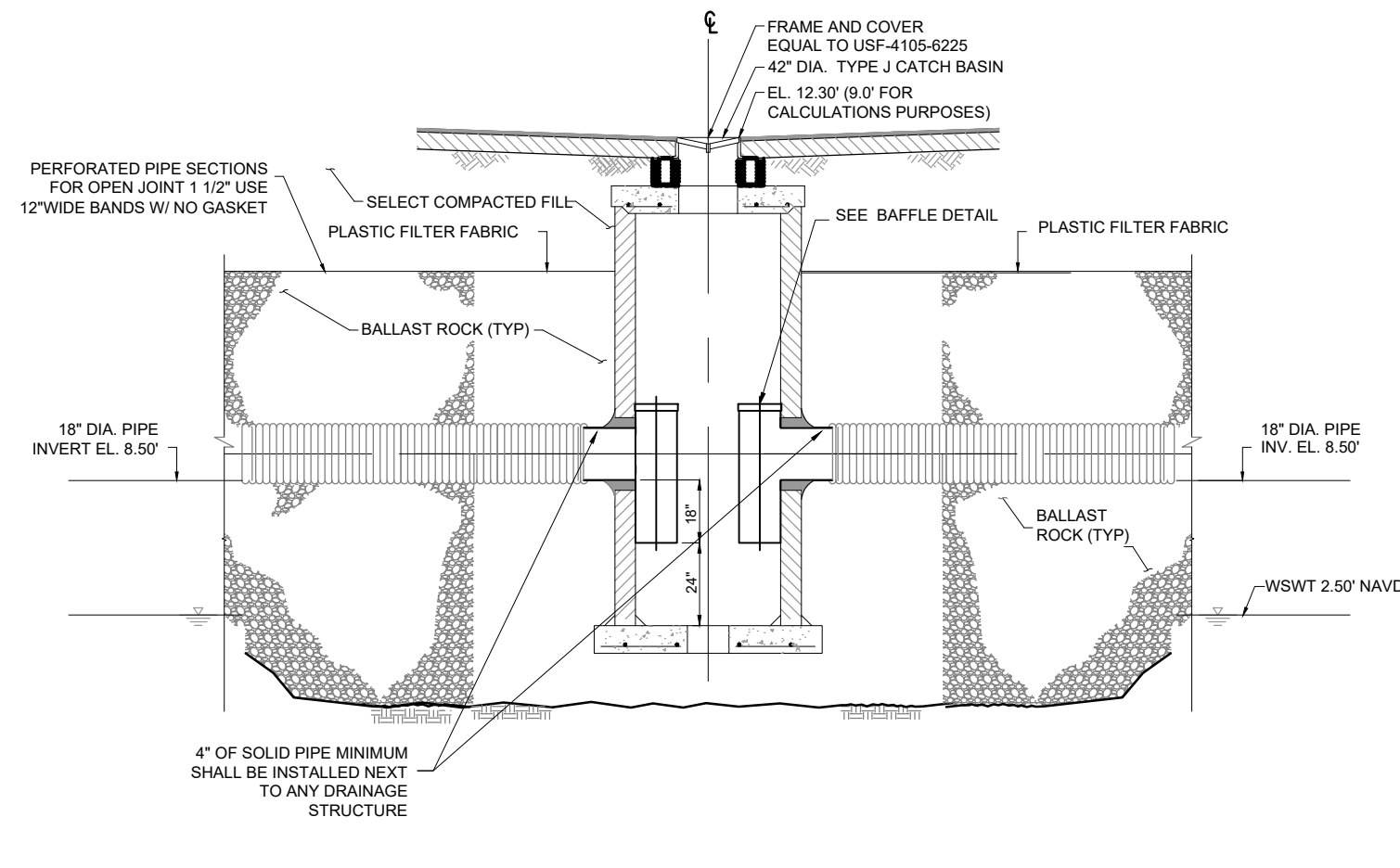
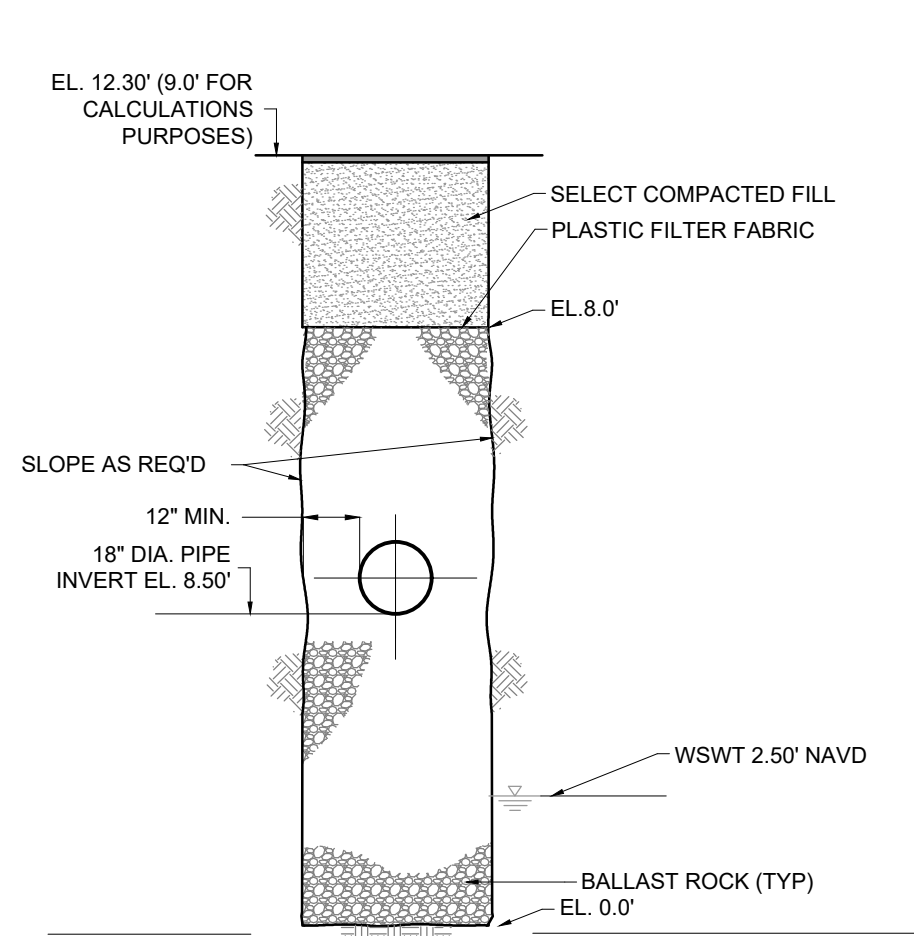
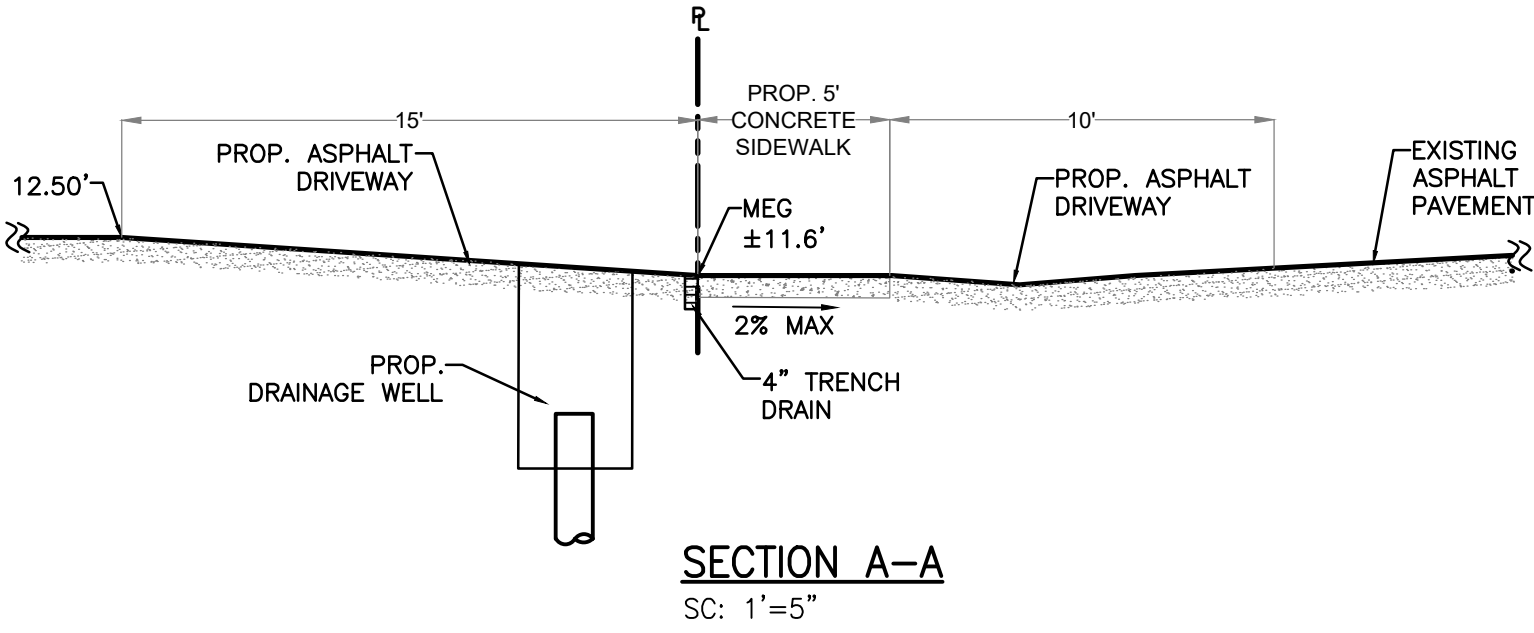
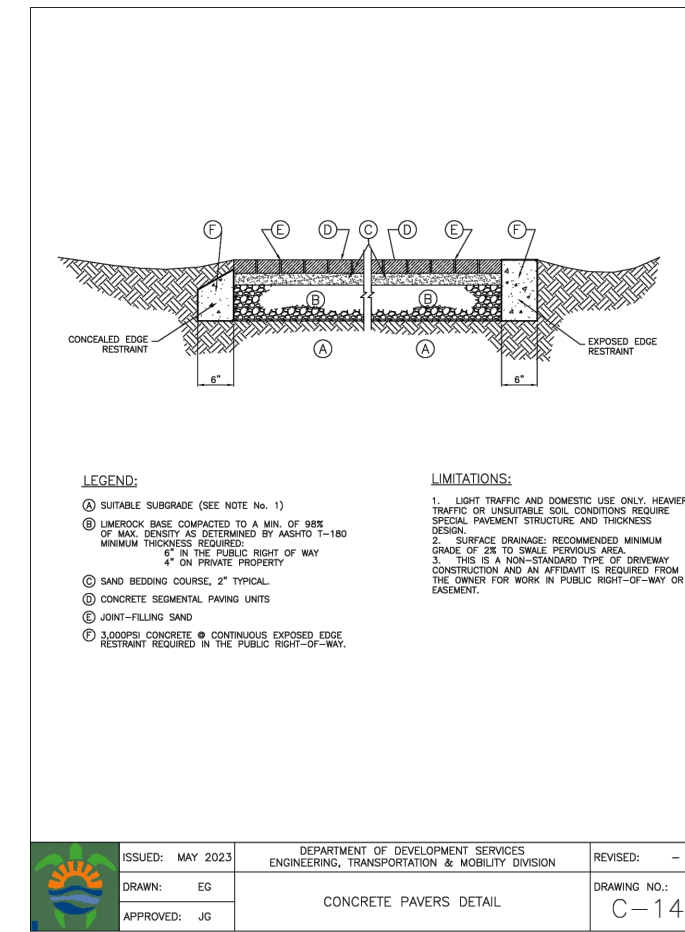
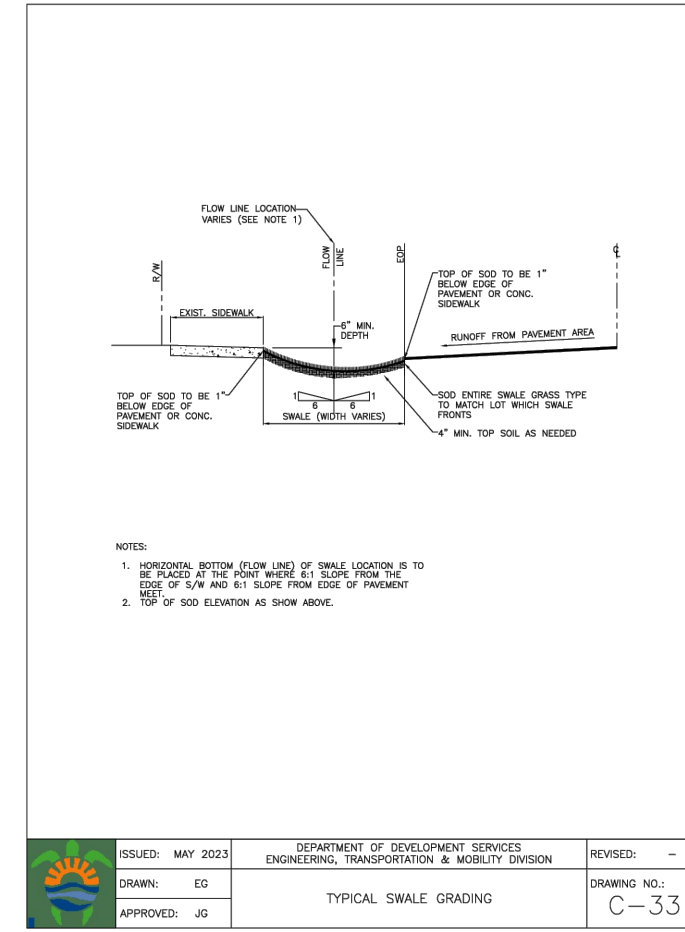
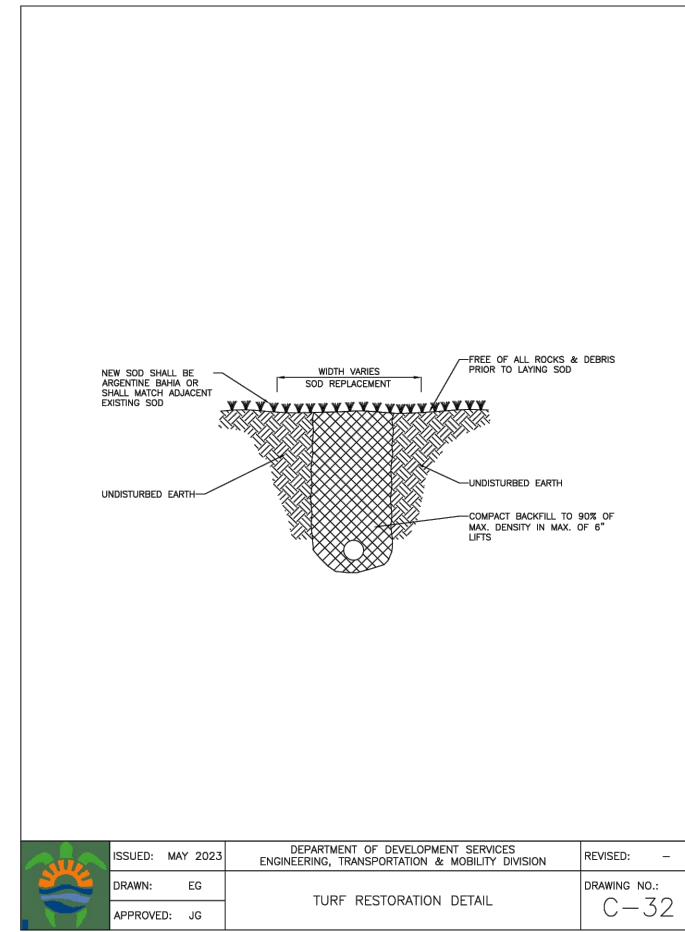
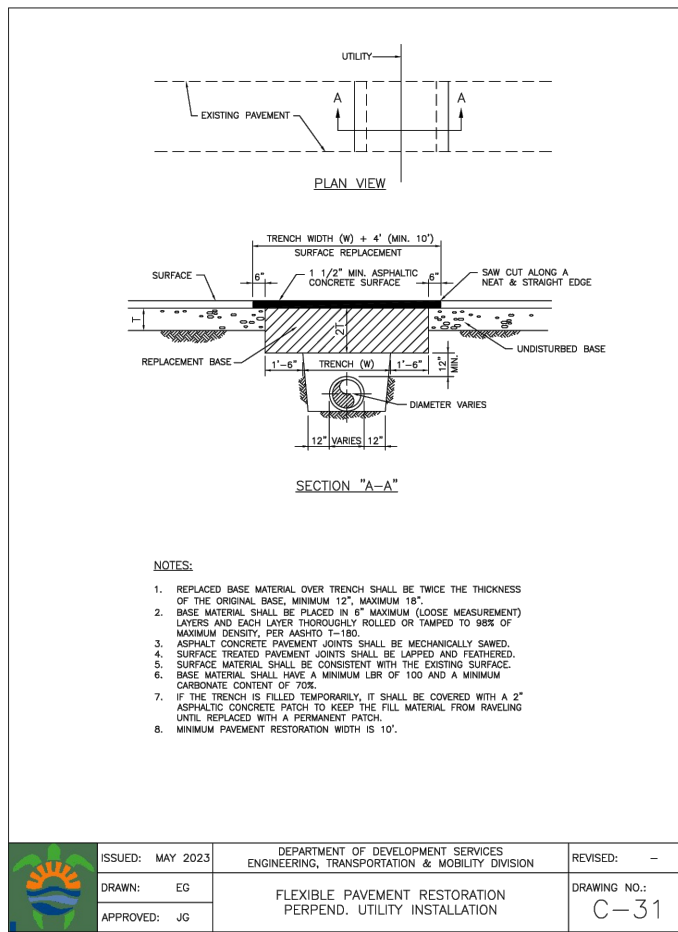
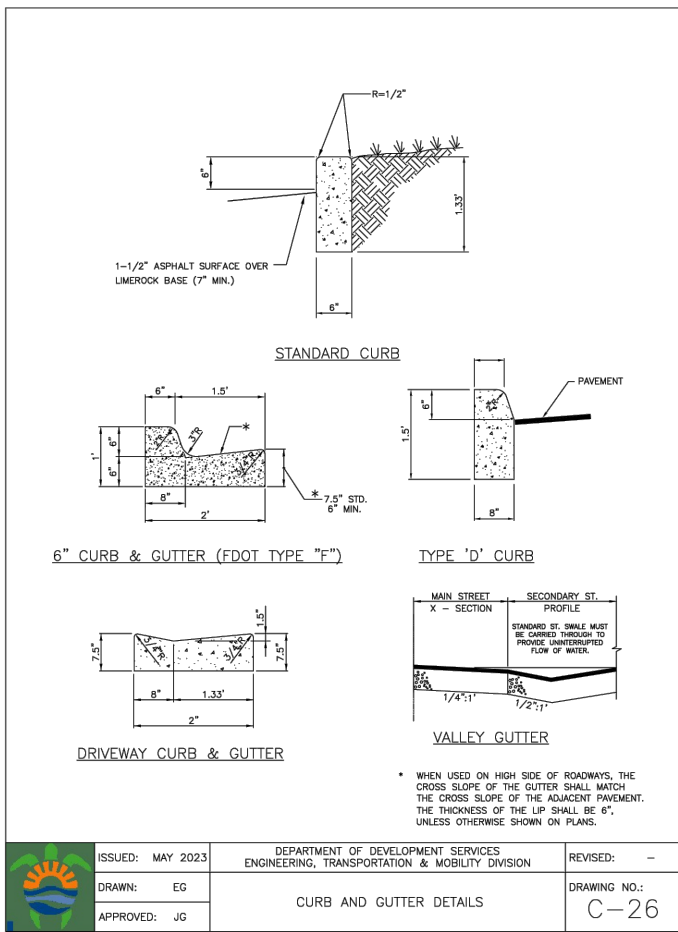
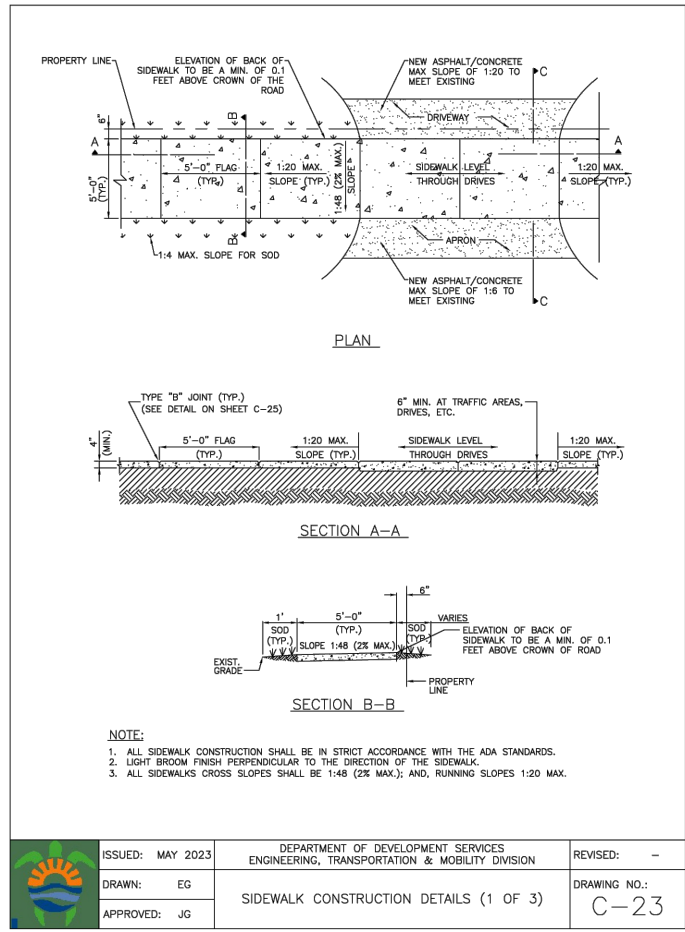
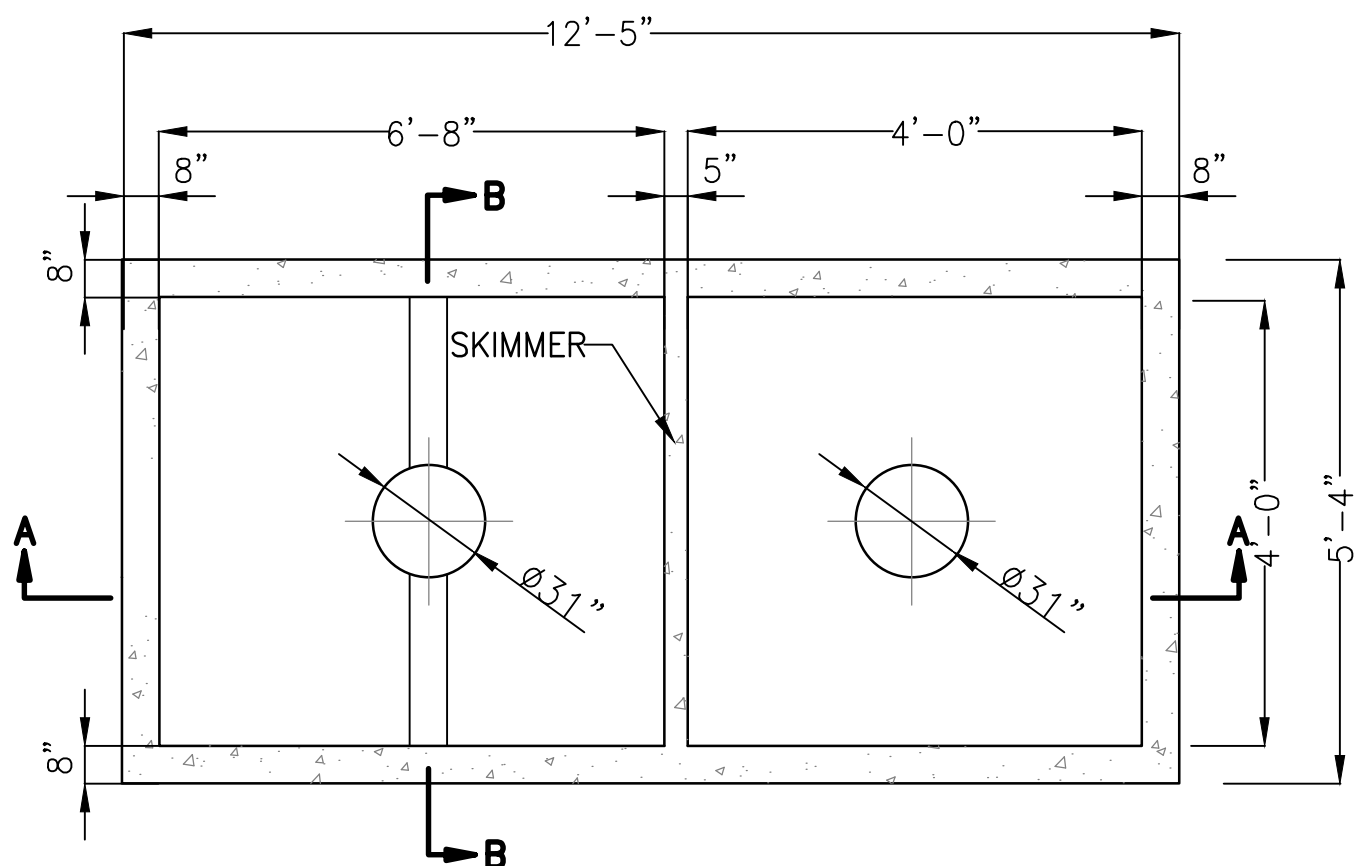


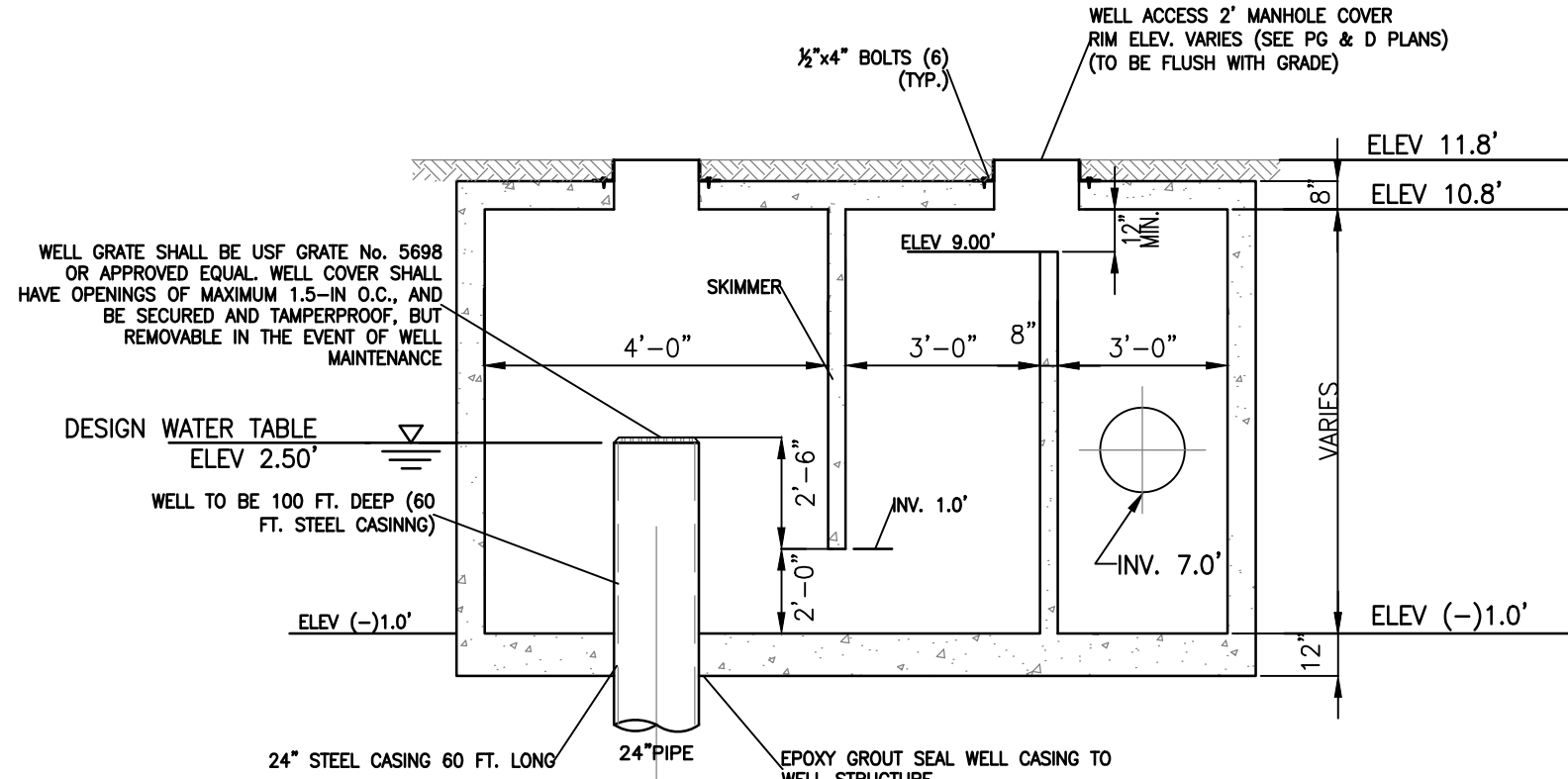
ATTACHMENT A
Application Package
Part 3



FRAME AND COVER TO BE US. FOUNDRY MODEL N° 195—EBWTL BOLTED WATER TIGHT MANHOLE RING AND COVERS OR EQUAL W THE WORDS "STROM SEWER" CAST ON COVER

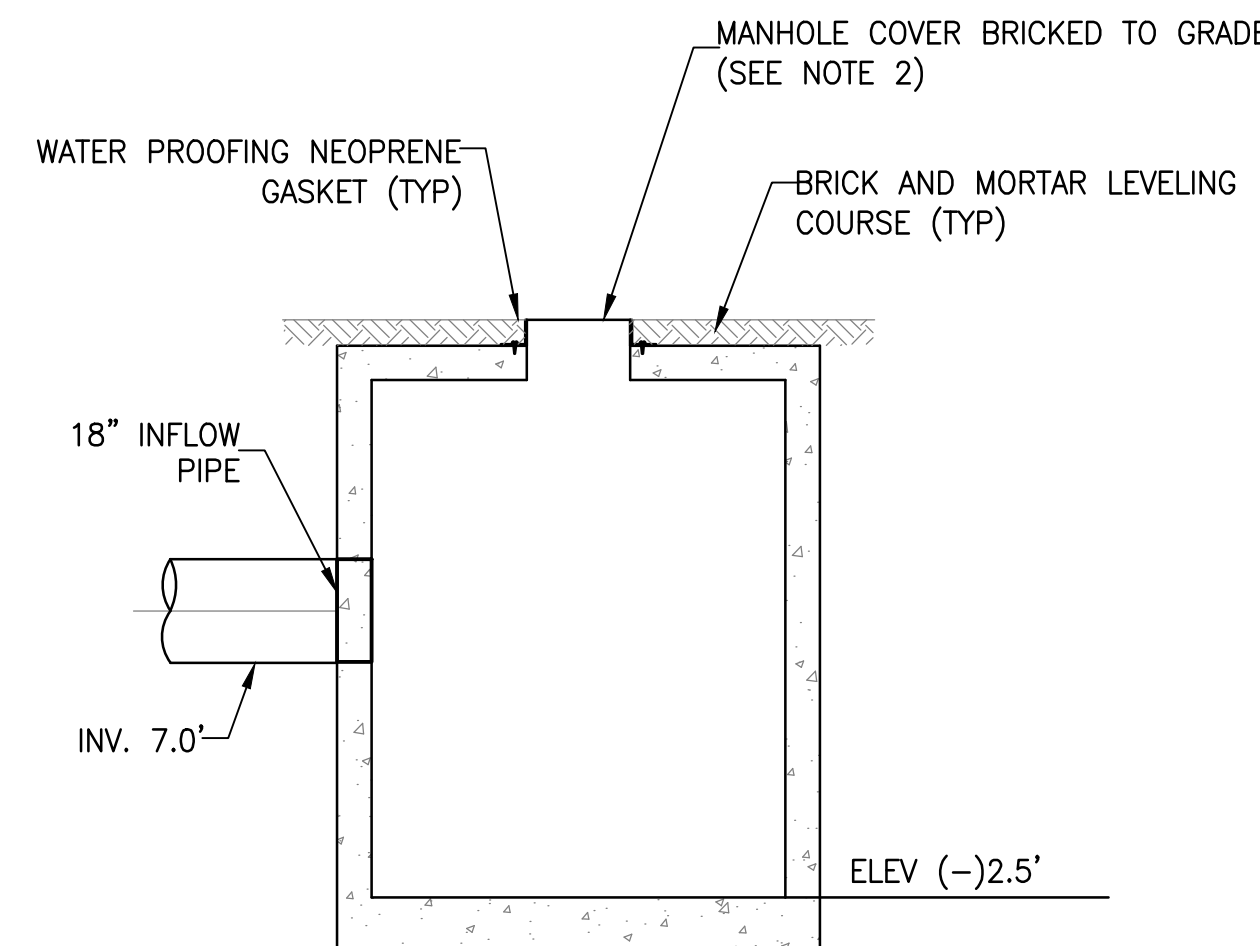


DETAIL 4
NTS
STD



SECTION A-A
N.T.S.

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SECTION B-B
N.T.S.

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Civil Engineers
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Boca Raton, FL 33433
Phone: (561) 716-0159
Certificate of Authorization Number 30129

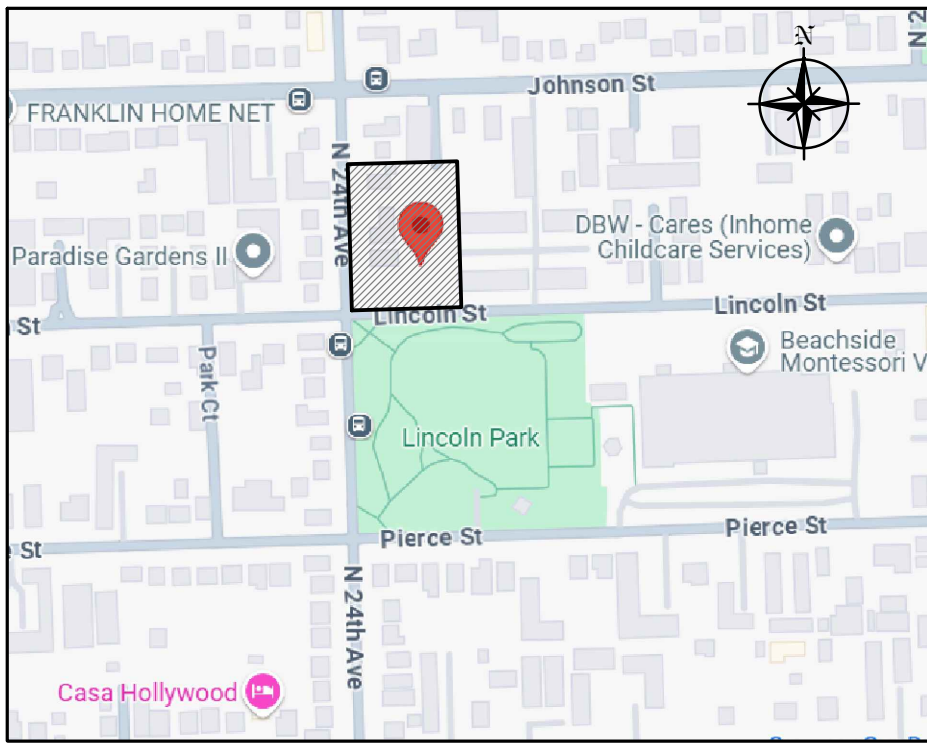
Reviews:

Client: TOWNHOMES
Project: TOWNHOMES
2327-2339 Lincoln Street Hollywood, FL 33020

PG&D
SECTIONS & DETAILS

Seal: JORGE SZAUDER
FLA. REG. P.E. # 62579
Designed by: JORGE M. SZAUDER
Drawn by: J. JANSE
Reviewed & Sealed: JORGE M. SZAUDER
Date: DEC. 2024
Scale: AS SHOWN
Job No: C-03A

Sheet: C-03A
of 3 Sheets



LOCATION MAP
N.T.S.

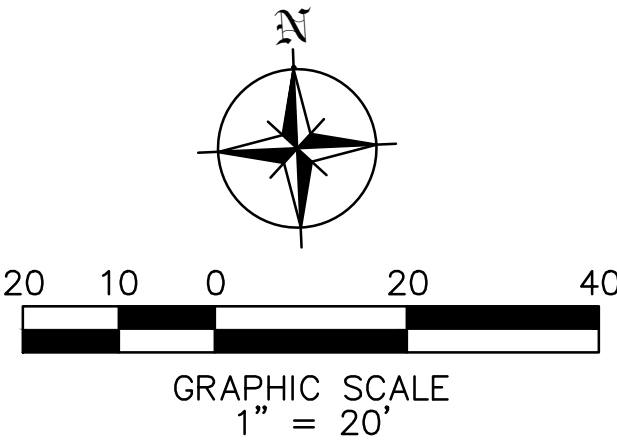
LEGEND

- PROPERTY LINE
- GRASS
- CONCRETE
- PAVEMENT RESTORATION
- PAVERS
- ASPHALT

NOTE:

ALL UNDERGROUND FIRE MAIN WORK
MUST BE COMPLETED BY FIRE PROTECTION
CONTRCTOR HOLDING A CLASS I, II OR V
LICENSE PER F.S. 633.102

ALL ELEVATIONS ARE RELATIVE
TO THE NAVD 88 DATUM



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Szauer Engineering
Civil Engineers
7251 W Palmetto Park Road Suite 100
Boca Raton, FL 33433
Phone: (561) 716-0159
Certificate of Authorization Number 30129

Reviews:

Client: TOWNHOMES

UTILITIES

Plan Description:

Seal:

JORGE SZAUER
FLA. REG. P.E. # 62579

Designed by: JORGE M. SZAUER

Drawn by: J. JANSE

Reviewed & Sealed: JORGE M. SZAUER

Date: DEC. 2024

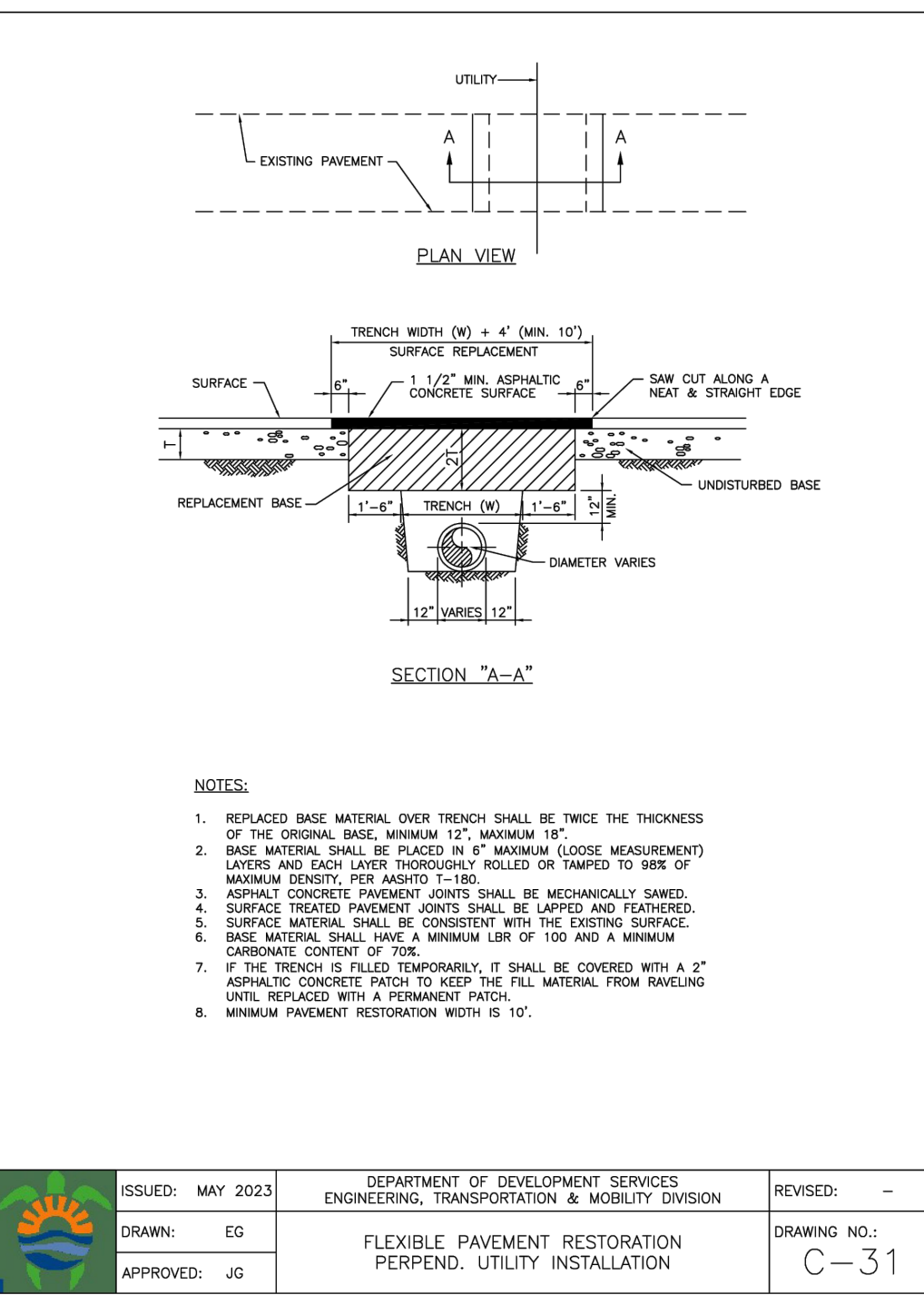
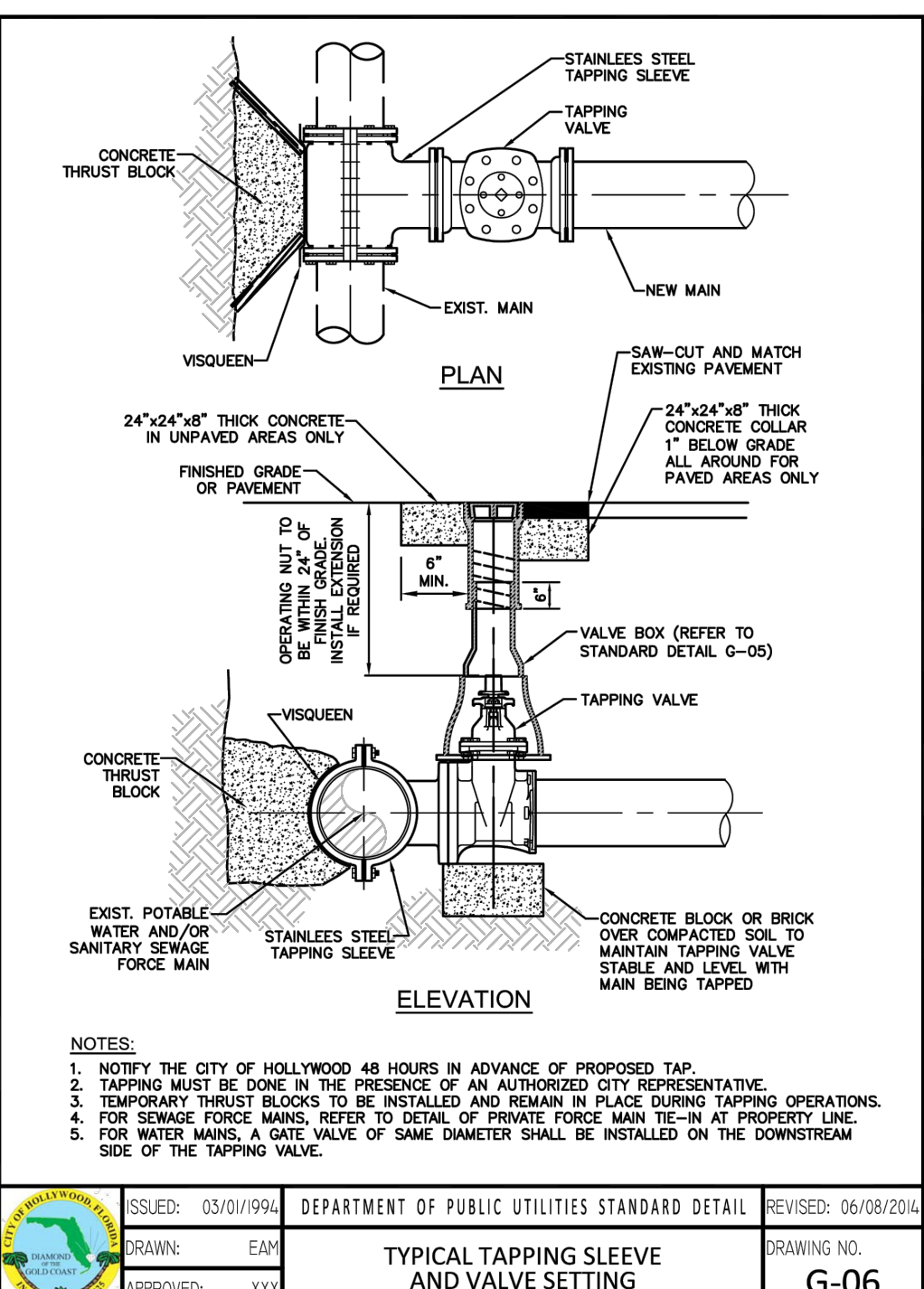
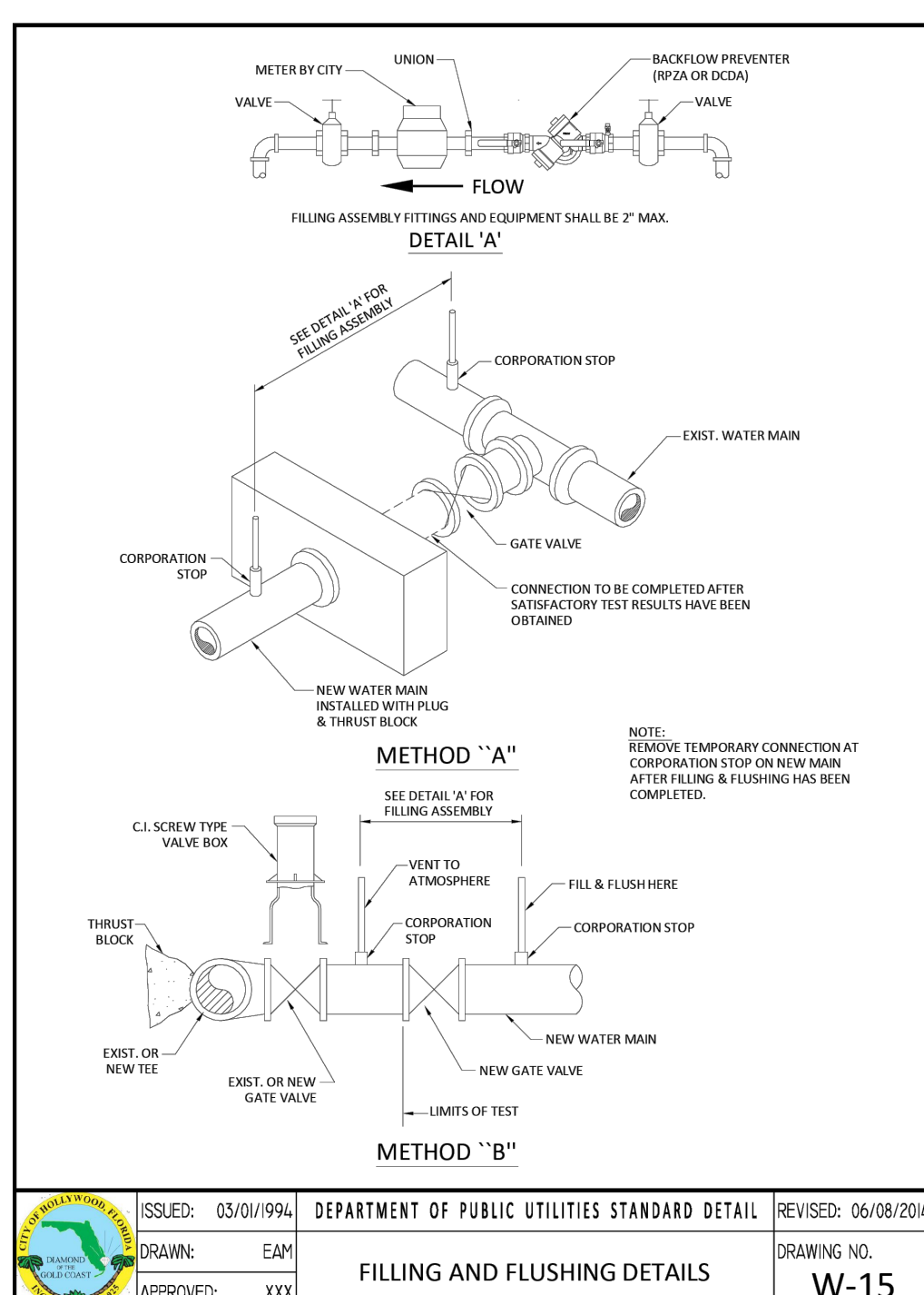
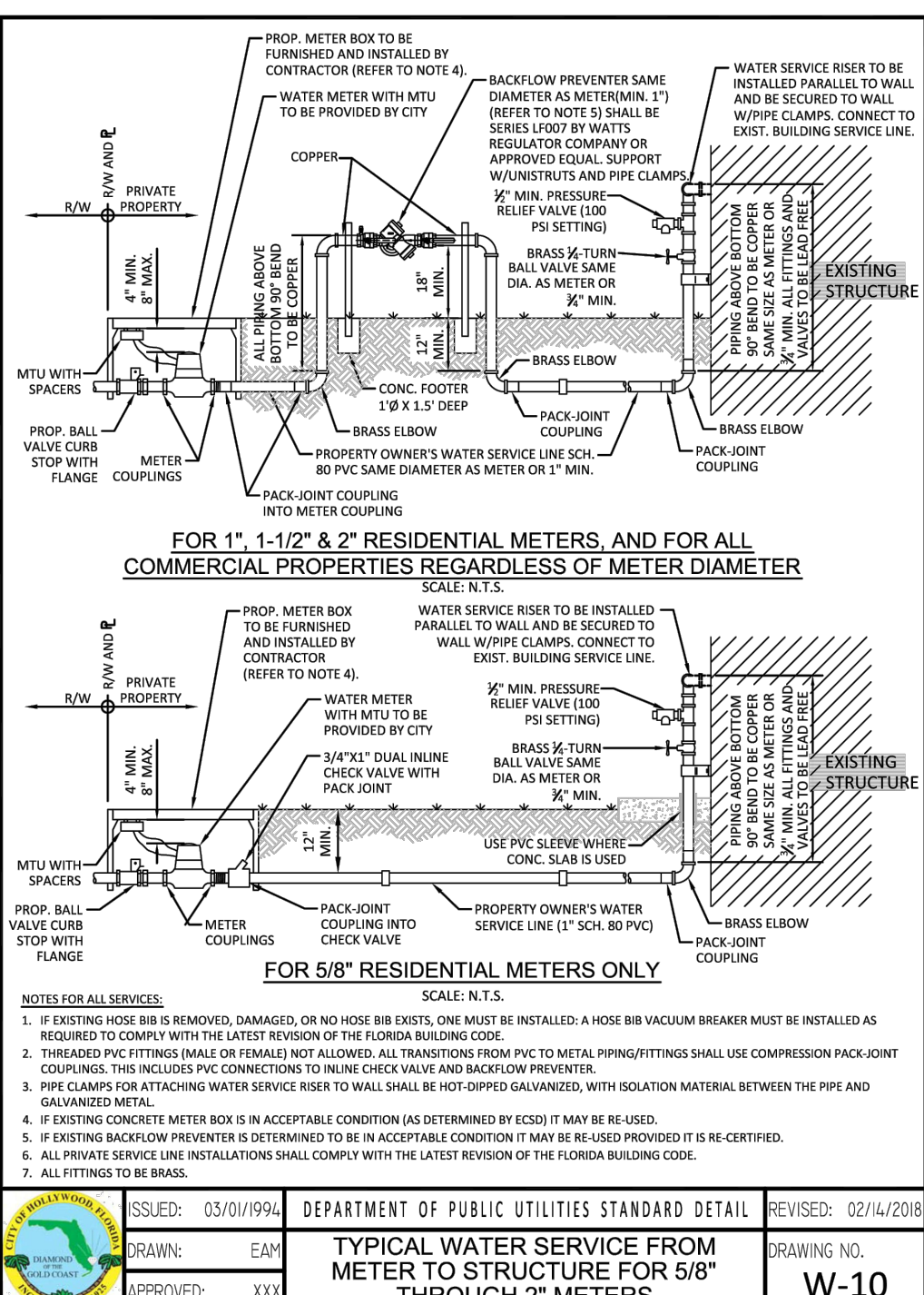
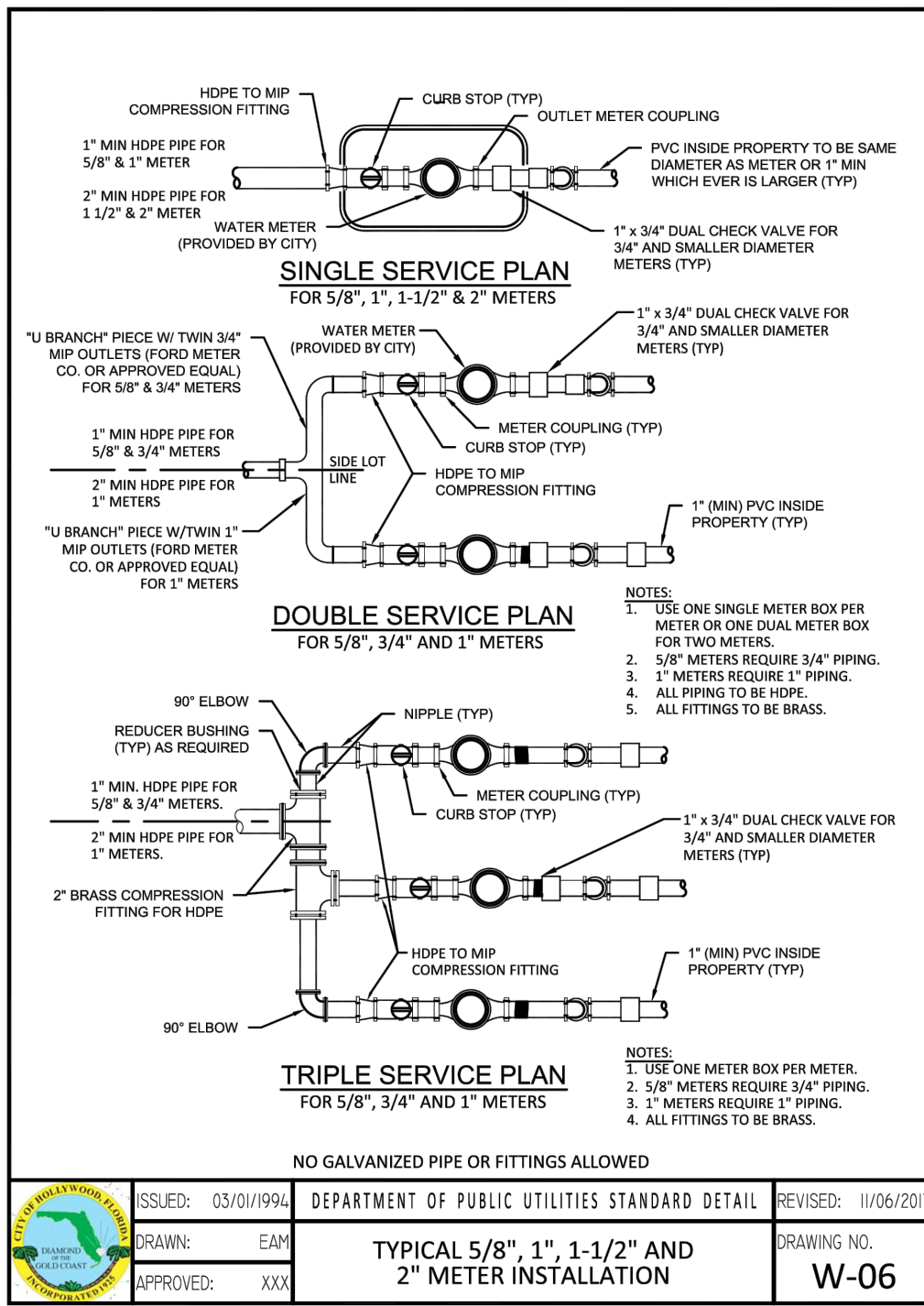
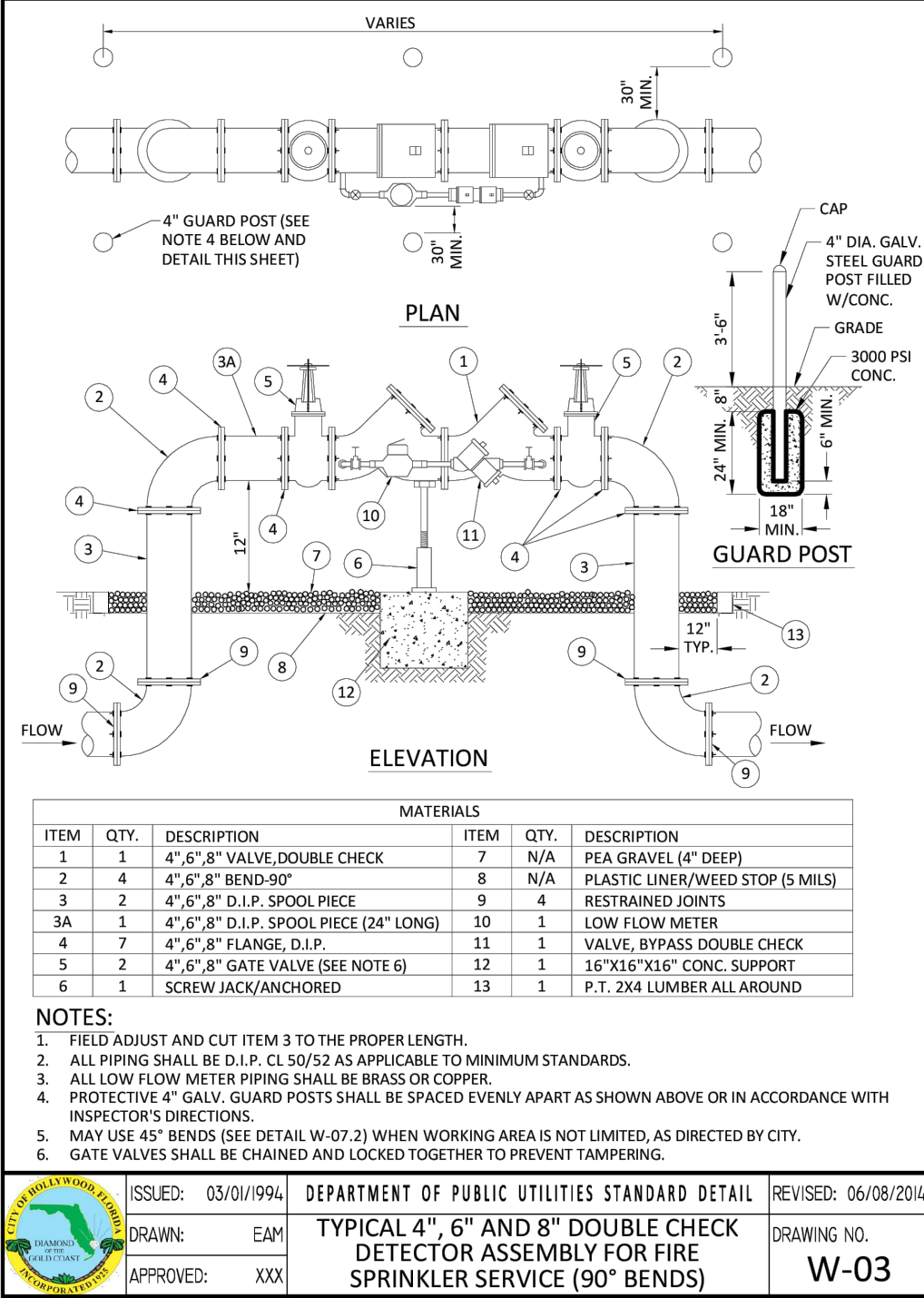
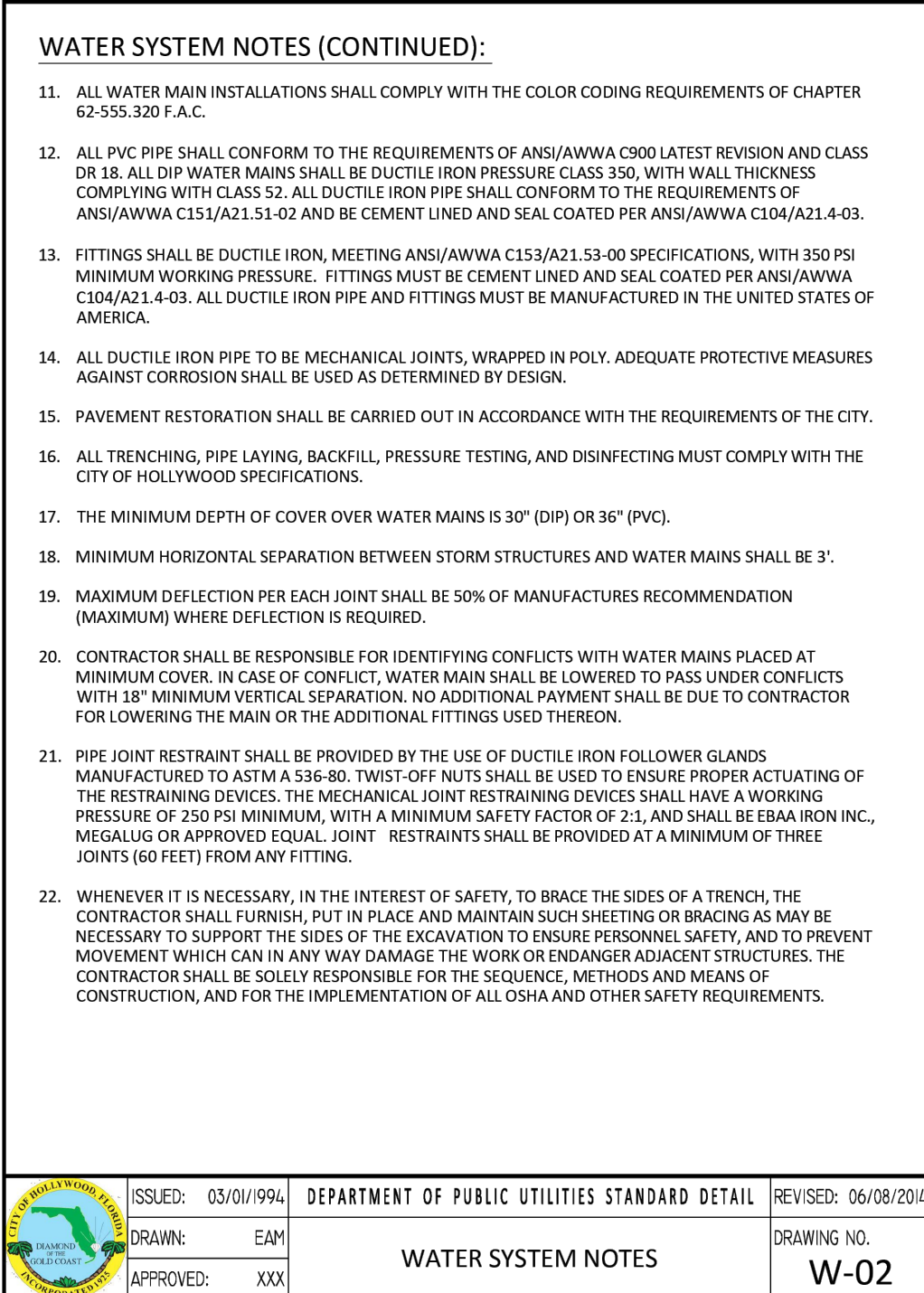
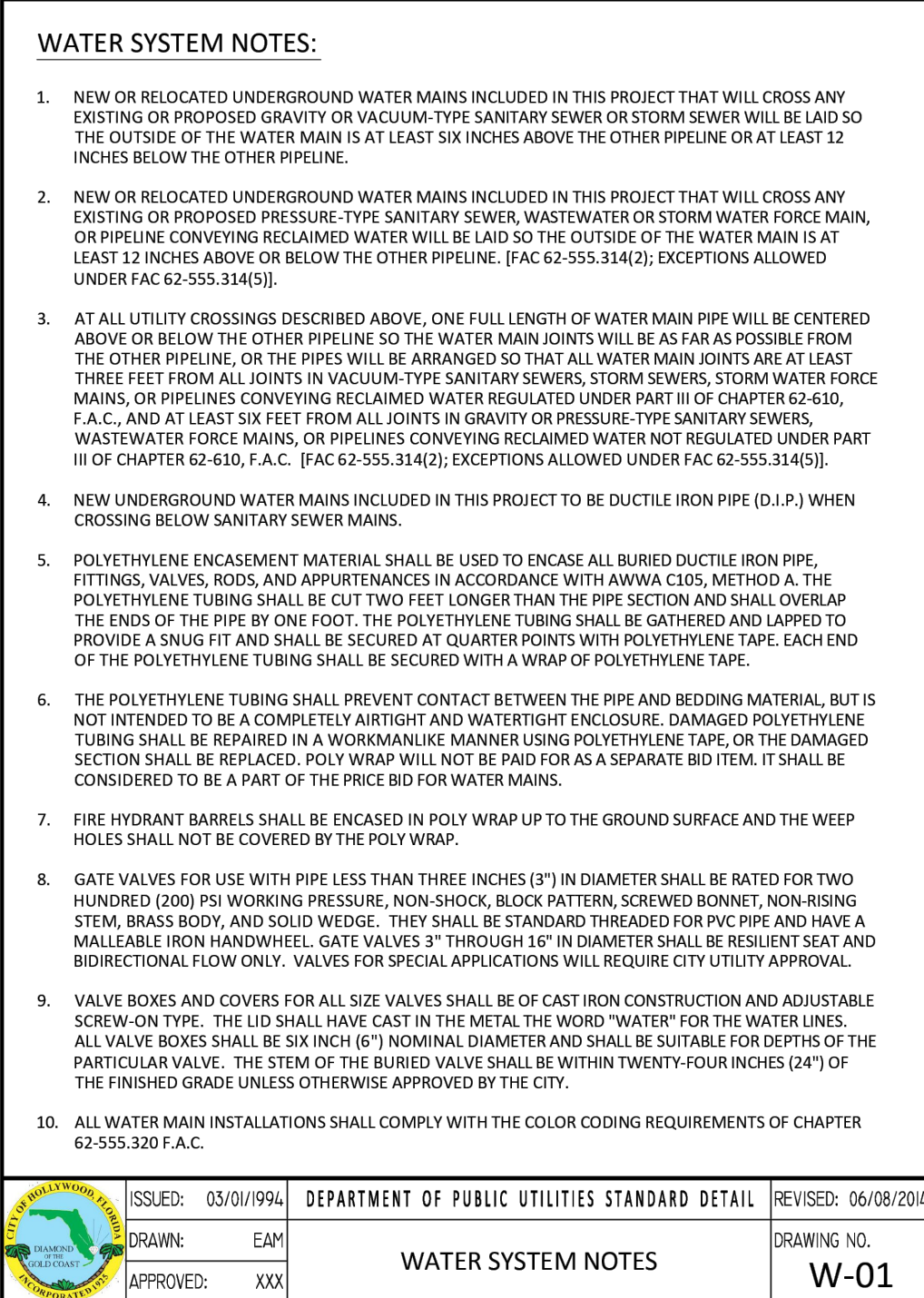
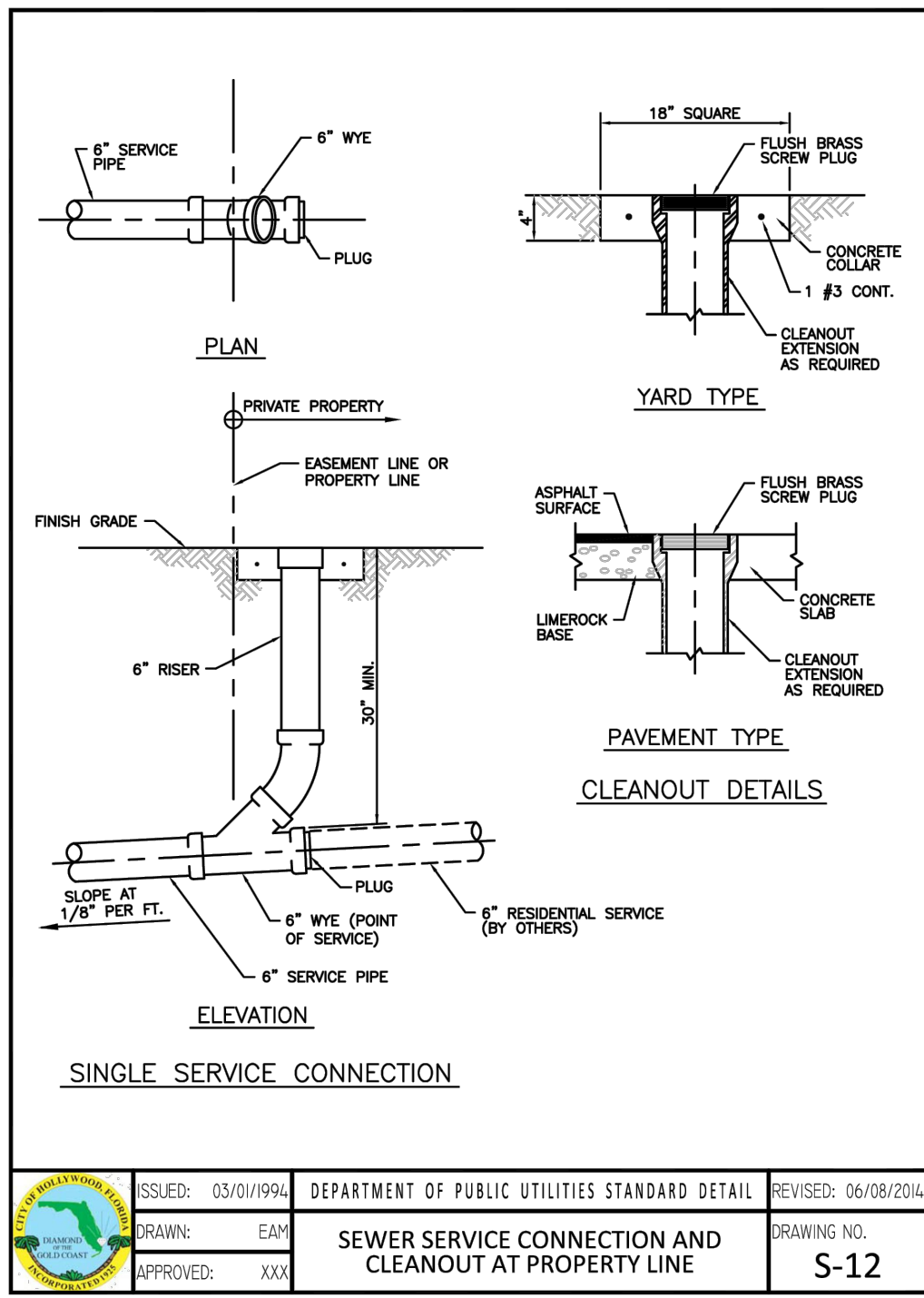
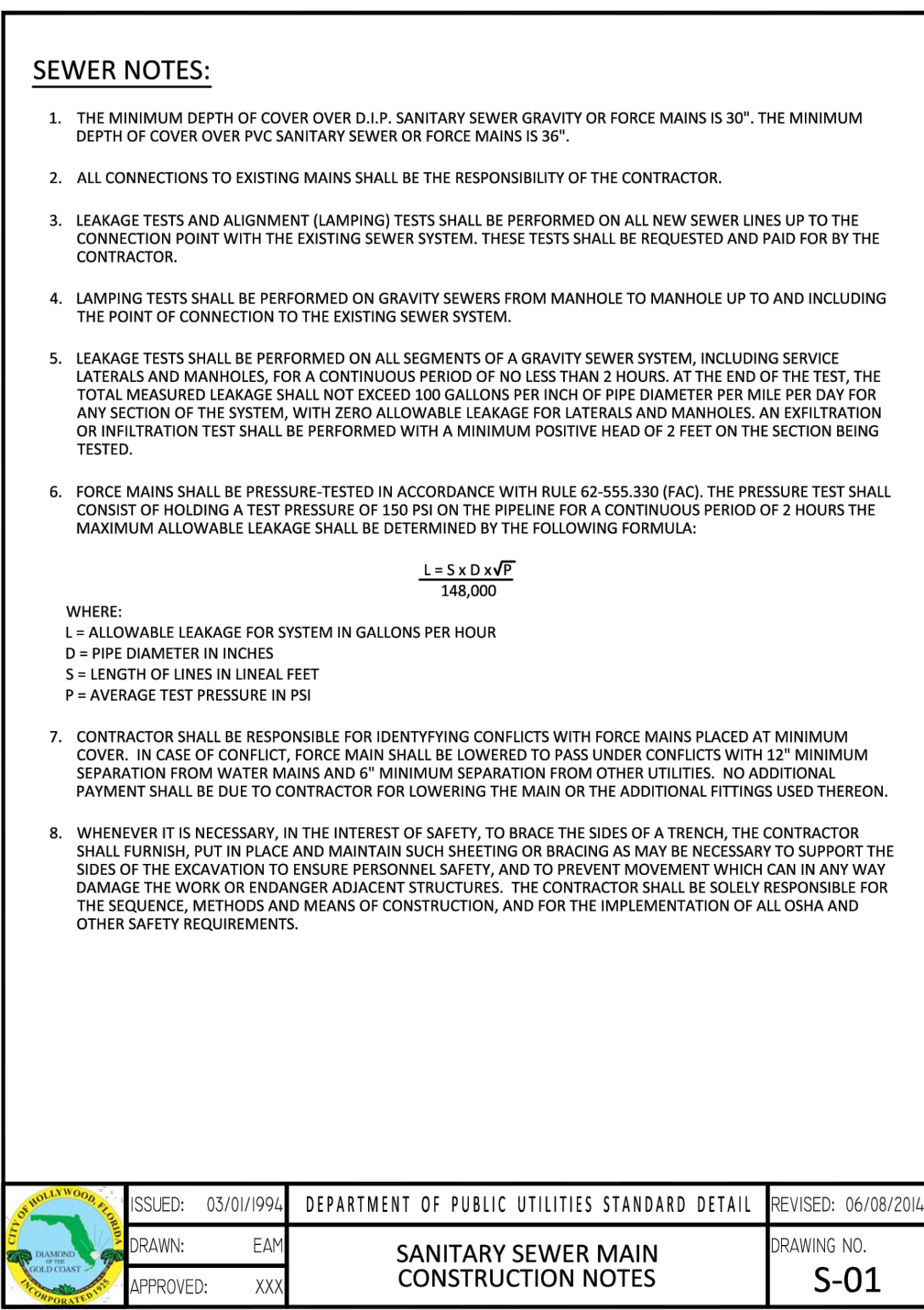
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Job N°:

Sheet:

C-04

1 of 2 Sheets



Fire Flow Calculations for 2327 Lincoln Street Townhomes

SITE DATA

Proposed is the construction of fifteen (15) Class IB townhome units on a lot located at 2327 Lincoln Street in Hollywood, Florida, Broward County. The existing land uses surrounding the site are residential to the North, South, East and West.

DESIGN CRITERIA

The proposed building shall have an approved automatic sprinkler system.

Per NFPA-1 18.4.4.2 Type I (443), Type I (332), and Type II (222) Construction fire flow area shall be the area of the three largest successive floors. Fire flow area: 10,019 X 3 = 30,057 sf

Per NFPA-1 Table 18.4.5.2.1 the required fire flow for a 30,057 sf Type I Building is 1,750 gpm with a flow duration of 2 hours.

Per NFPA-1, 18.4.5.3.2, that the required fire flow, as established in Table 18.4.5.2.1 shall be reduced by 75%, with a fire flow no less than 1,000 gpm when the building is provided with an approved automatic sprinkler system.

REQUIRED FIRE FLOW

1,750 X 0.25 = 438 GPM (1,000 gpm Min)

Hydrant Flow Test Result on for this project shall be provided when it becomes available.

2327 Lincoln Street Townhomes

Waste Water Generation				
Use	Quantity	Generation Rate*	ERU	Demand
Proposed				
Residential				
Townhomes	15 Units	300 GPD	14.3	4,500 GPD
Pool	15 person capacity	2 gal/person	0.1	30 GPD
Total Proposed		14.4 ERU @ 315 GPD	4,530 GPD	

Potable Water Consumption				
Use	Quantity	Generation Rate*		Demand
Proposed				
Residential				
Townhomes	15 Units		14.3	5,005 GPD
Pool	15 person capacity		0.1	35 GPD
340 ERU @ 350 GPD		Total Proposed	14.4 ERU @ 350 GPD	5,040 GPD

* As per the Florida Administrative Code: Chapter 64E-6.008 Table I for System Design, ESTIMATED SEWAGE

FLOW. ERU = Equivalent Residential Unit and the Broward County Code of Ordinances Section 27-201

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Szauder Engineering

Civil Engineers

7251 W Palmetto Park Road Suite 100

Boca Raton, FL 33433

Phone: (561) 716-0159

Certificate of Authorization Number 30129

Reviews:

Client: TOWNHOMES

Project: UTILITIES DETAILS

Plan Description:

Seal:

JORGE SZAUDER
FLA. REG. P.E. # 62579

Designed by: JORGE M. SZAUDER

Drawn by: J. JANSE

Reviewed & Sealed: JORGE M. SZAUDER

Date: DEC. 2024

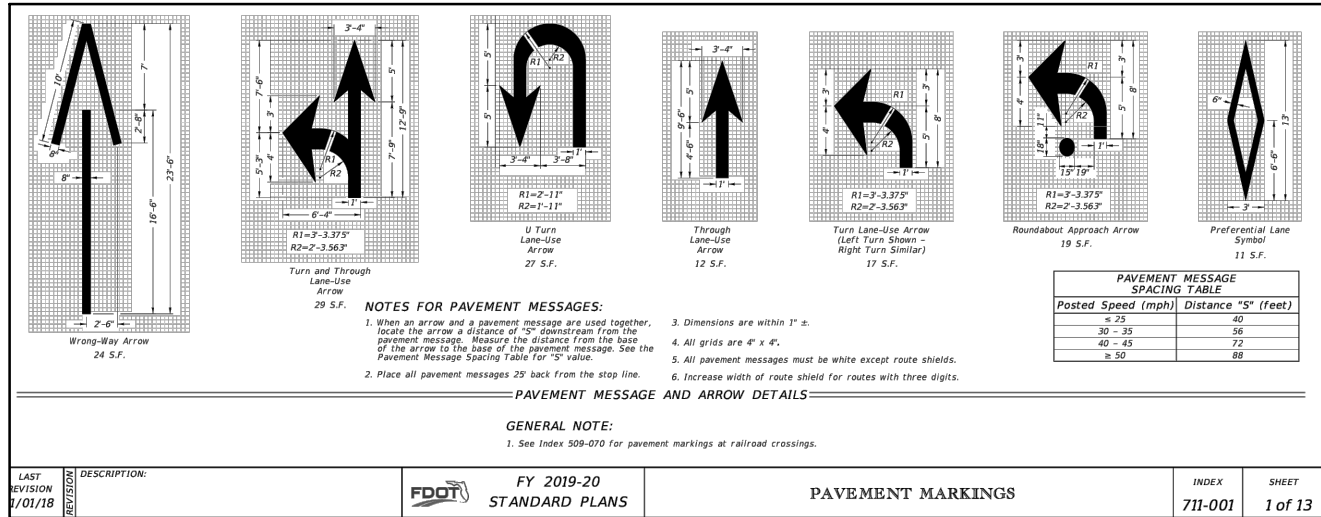
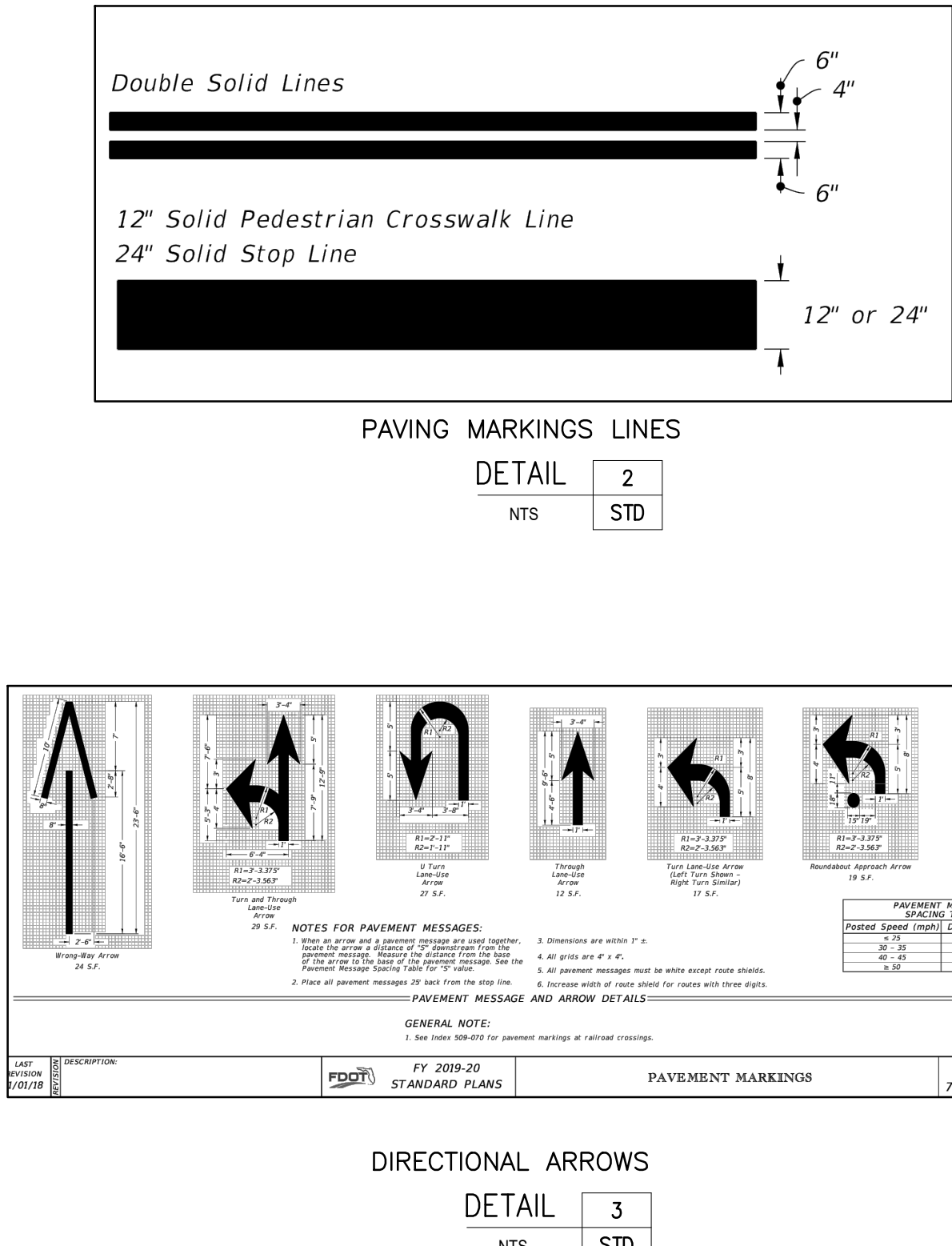
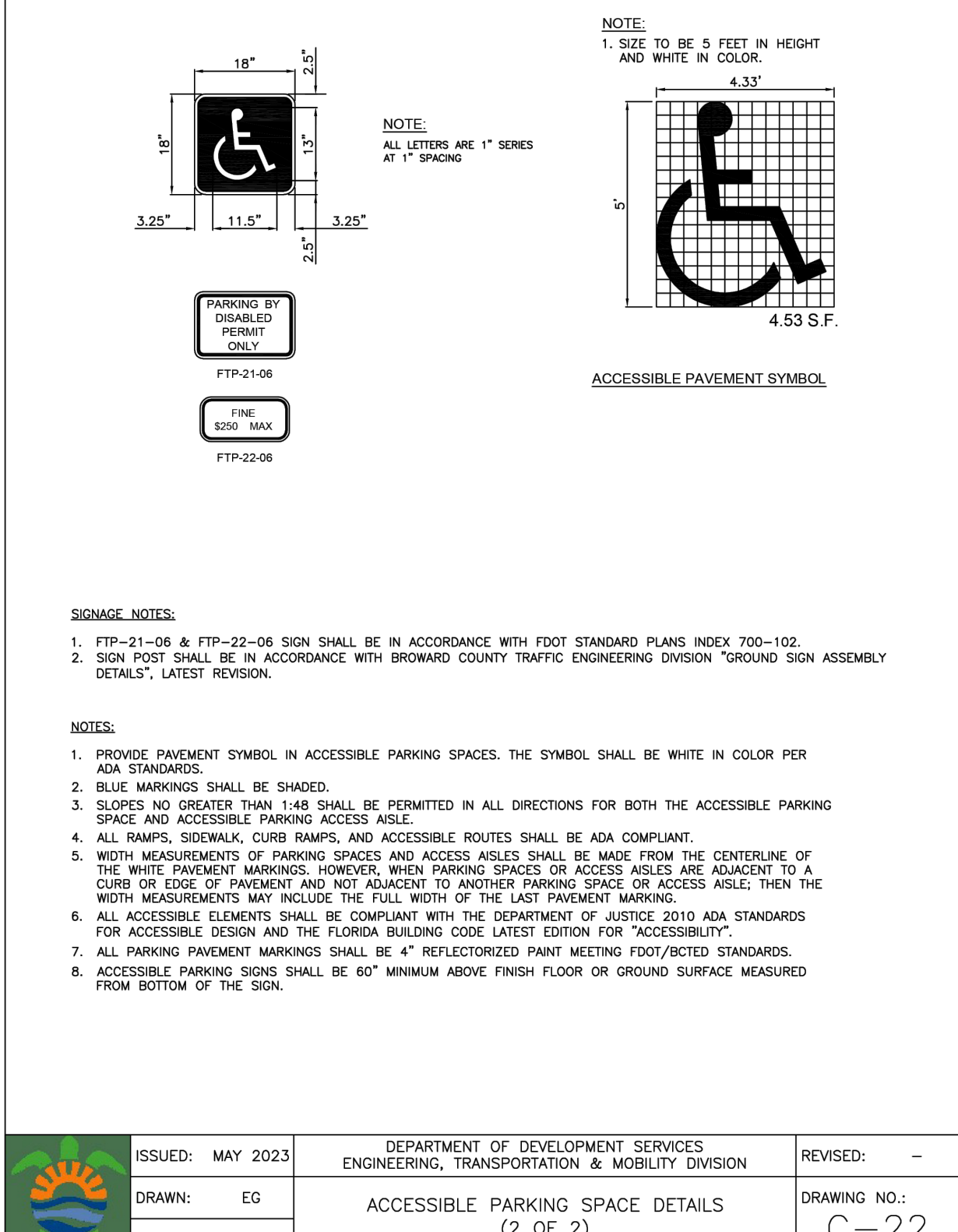
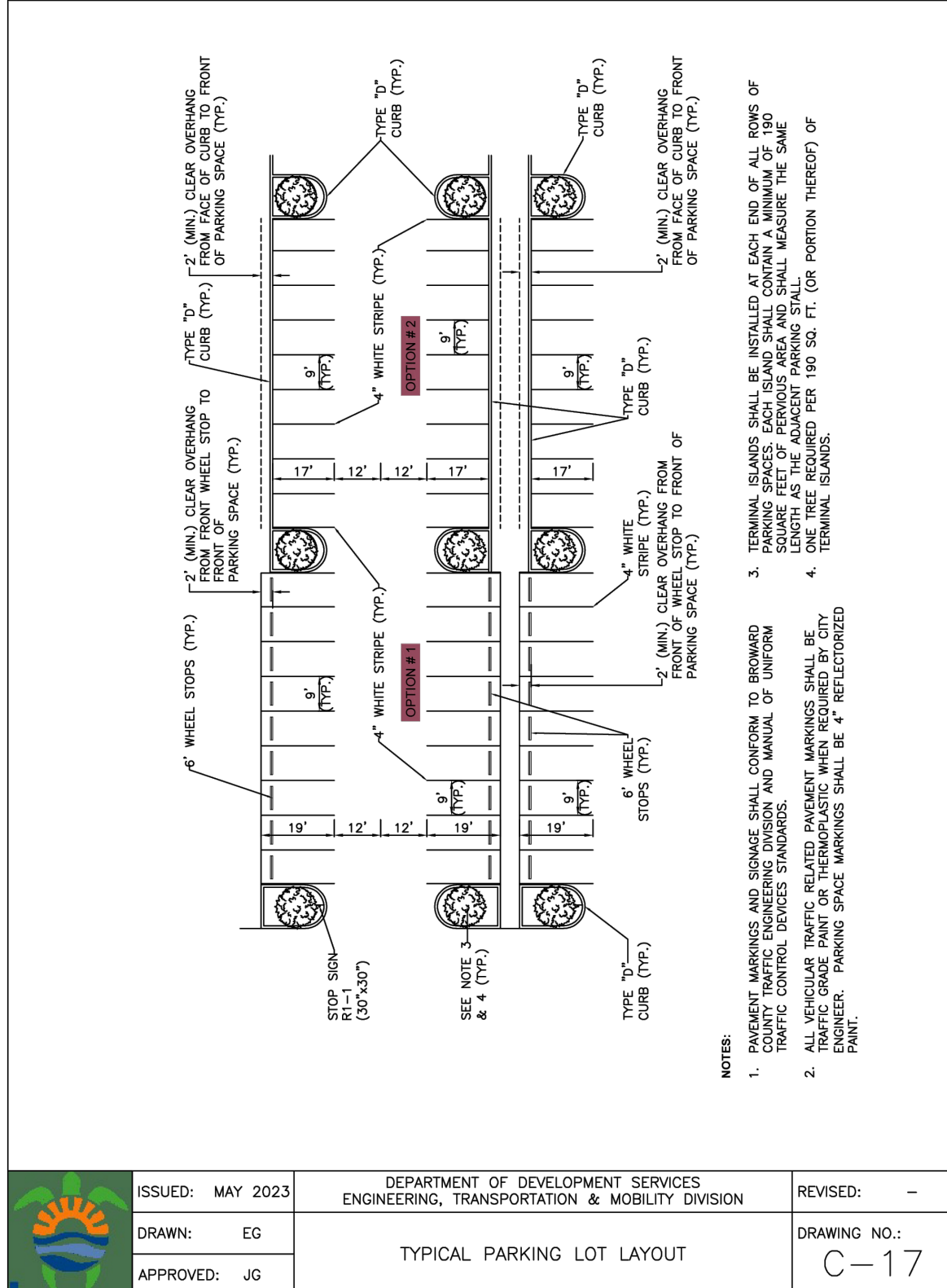
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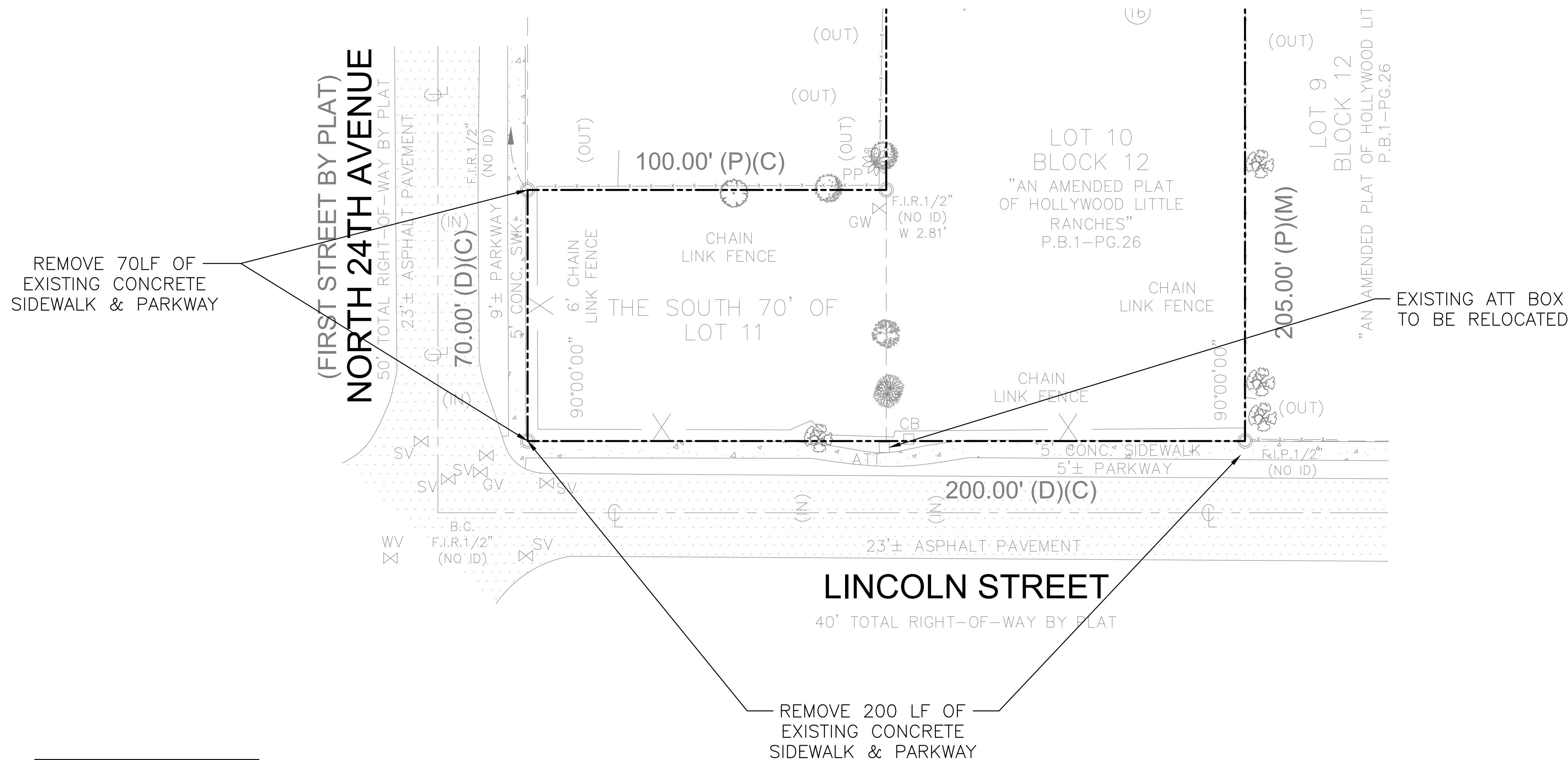
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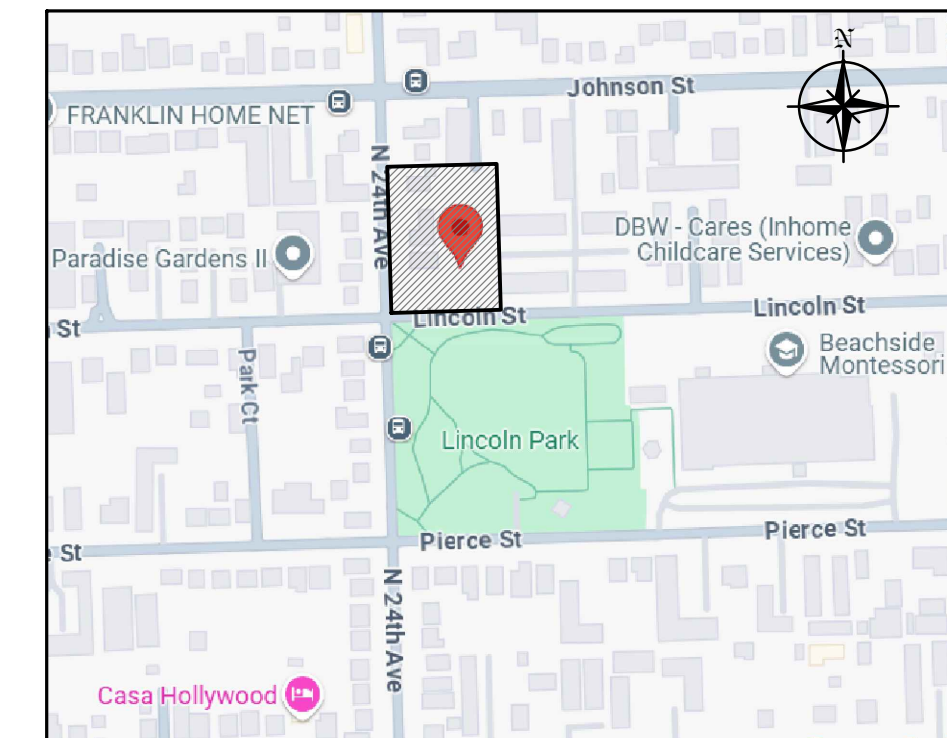
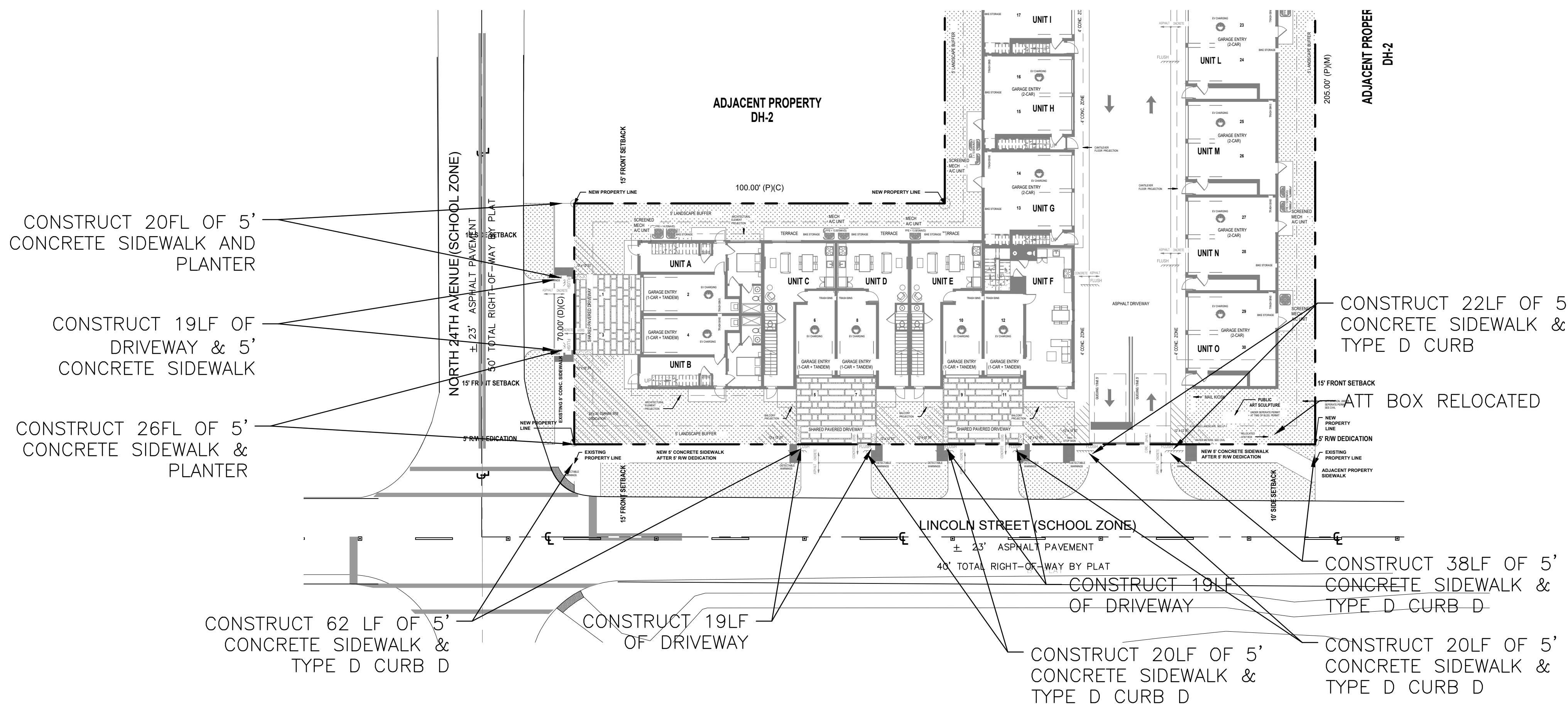
2 of 2 Sheets



EXISTING



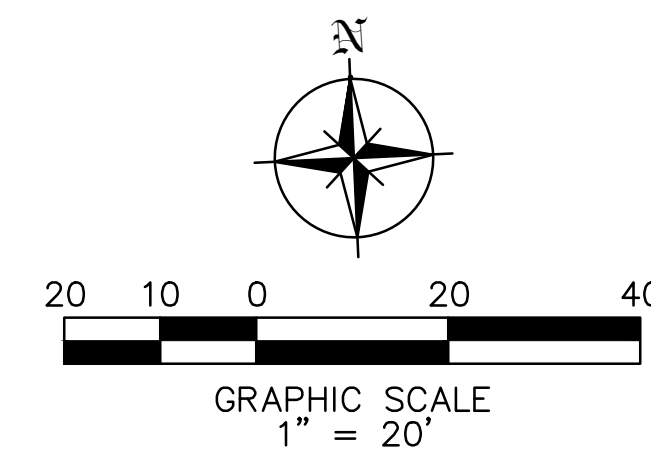
PROPOSED



LOCATION MAP
N.T.S.

LEGEND

- PROPERTY LINE
- GRASS
- CONCRETE



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Civil Engineers
7251 W Palmetto Park Road Suite 100
Boca Raton, FL 33433
Phone: (561) 716-0159
Certificate of Authorization Number 30129

Reviews:

Client: **TOWNHOMES**
Project: **TOWNHOMES**
2327-2339 Lincoln Street Hollywood, Florida 33020

Plan Description: **ROW PLAN**

Seal: **JORGE SZAUDER**
FLA. REG. P.E. # 62579

Designed by: **JORGE M. SZAUDER**
Drawn by: **J. JANSE**
Reviewed & Sealed: **JORGE M. SZAUDER**
Date: **DEC. 2024**
Scale: **AS SHOWN**
Job No:

Sheet: **C-06**
of 3 Sheets

Project ID.: 2327 Lincoln Street Townhomes
Engineer: Jorge M. Szauer, P.E.
Client: Kaller Architecture
Date: 1/9/2025

Surface Water Management Calculations for 2327 Lincoln Street Townhomes

Proposed is the the construction of a 15 Townhome units (10,571 sf of roof coverage), on a 27,500 sf lot located on 2327 Lincoln Street, Hollywood, Florida. The proposed drainage system will be designed to meet with the City of Hollywood and Broward County requirements to retain on-site the pre vs. post run-off difference for a 25-year, 72-hour storm event . The proposed drainage system will consist of swales, 60 LF of exfiltration trench and one Drainage Well.

STORMWATER RETENTION CALCULATIONS

LANDUSE BREAKDOWN

Table 1 summarizes the proposed landuse breakdown of the project

Table 1 - Site Landuse Breakdown

Description	Existing Site (Ac)	Proposed Site (Ac)
Total Site Area:	0.63	0.63
Roof Area:	0.10	0.24
Impervious Area:	0.09	0.21
Pervious Area:	0.44	0.18

Landuse breakdown for the existing conditions was obtained from Google Earth historical aerial photos and approximate calculations using Google Earth measuring tools.

DESIGN CRITERIA

Since the existing grade is at approximately the same or higher elevation as the County 100-year map elevation, a pre vs post analysis will be provided

Wet season water table elevation = 2.5' NAVD

BrCo Future Conditions 100-year flood elevation - 12.0' NAVD

Design Storm Rainfall Amount (see SFWMD Rainfall Curves attached)

Design (25-year, 3-day) = 13 Inches

FFE (100-year, 3-day) = 16 inches

FEMA Flood Zone X

WATER QUALITY

Water quality requirements are defined based on the following criteria: the first inch of runoff over the entire site, or 2.5 inches times the percent impervious

2.5 inches times the percent impervious controls over the first inch of runoff over the entire site

2.5 inches times the percent impervious = 0.07 ac-ft (0.84 ac-in) (see water quality calculations attached)

SOIL STORAGE

Soil Storage (S) was calculated to be **3.56** inches over the entire site for the **Existing Conditions** (see soil storage calculations attached)

Soil Storage (S) was calculated to be **1.46** inches over the entire site for the **Proposed Conditions** (see soil storage calculations attached)

RUNOFF CALCULATIONS

$$Q=(P-0.2S)^2/(P+0.8S)$$

Design Frequency	Precipitation P (in)	Existing			Proposed			Δ Pre vs Post
		Soil Storage S (in)	Runoff Q (in)	Runoff Volume (Ac-ft)	Soil Storage S (in)	Runoff Q (in)	Runoff Volume (Ac-ft)	Runoff Volume (Ac-ft)
5y-1h	3.28	3.56	1.07	0.06	1.46	2.00	0.11	0.05
10y-24h	8		4.89	0.26		6.48	0.34	0.08
25y-3d	13		9.53	0.50		11.40	0.6	0.10
100y-3d	16		12.4	0.65		14.37	0.75	0.10

The difference in runoff volume from the pre vs the post development conditions shall be treated within the proposed exfiltration trench system

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Jorge M. Szauer
 FL P.E. No. 62579

EXFILTRATION TRENCH CALCULATIONS

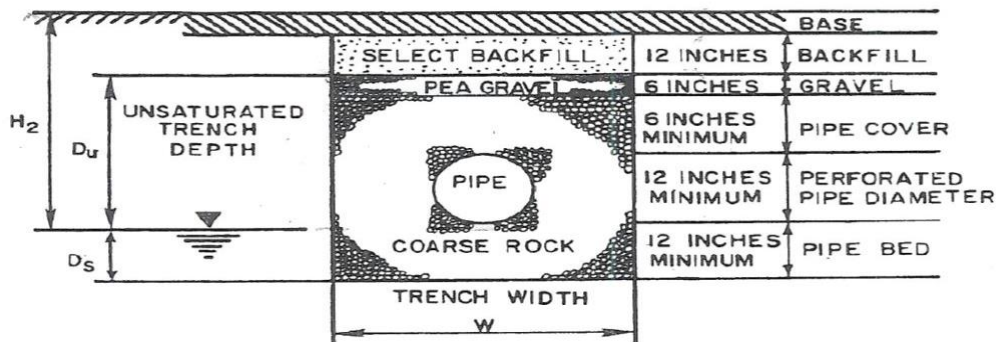
Water Table Elevation: 2.5 FT NAVD

Average Finished Grade for Trench Purposes 9.00 FT NAVD

Exfiltration Trench Length = $FS[(\%WQ)(Vwq)+Vadd / (K(H_2^2W + 2H_2^2Du - Du^2 + 2H_2^2Ds) + (1.39E-4W^2Du))]$

L= 109 Ft - Length of trench required
 %WQ= 75%
 Vwq= $0.84 \times 0.75 = 0.63$ ac-in
 Vadd= 0.57 Acre-inch - Volume treated
 W= 4 Ft - Trench Width
 K= $2.0E-04$ CFS/FT²-Ft. Head - Hydraulic Conductivity (See attached Soil Percolation Tests Report)
 H₂= 6.50 Ft - Depth to Water Table
 Du= 5.50 Ft - Non-Saturated Trench Depth
 Ds= 2.5 Ft - Saturated Trench Depth

SFWMD - Typical Exfiltration Trench Section



Length of Trench Required = 52 Ft

Length of Trench Provided = 60 Ft

DRAINAGE WELLS (Proposed Conditions Only)

One drainage well will dispose of the 25-year, 3-day storm and the 100-year, 3-day storm events.

A conservative Well Capacity of 250 GPM/FT of head is assumed based on existing wells in the vicinity of the project.

The effective head over the well is calculated subtracting the SHWT and the Head loss due to fresh-salt water hydrostatic balance.

The control elevation shall be set at 4.5' NAVD, the SHWT is 2.5' NAVD (based on the County's future conditions wet season water table) and the head loss due to hydrostatic balance is 2'.

The well shall have an average drainage capacity of 875 GPM . The proposed well is more than adequate to provide drainage for a 100-year, 3-day storm event.

The computer program "CASCADE" is being used to model the site. The drainage wells in this program are modeled as "pumps". The following is a summary of the input of the drainage well information into the CASCADE model.

Pumps	On - Off Elevation (NAVD)		Pump Capacity (gpm)	Water Level (NAVD)	Well Capacity (gpm)
	On	Off			
1	9	9	250 gpm x 6.5 ft of head = 125 gpm	9	1625
2	9.5	9.5	250 gpm x 0.5 ft of head = 125 gpm	9.5	1750
3	10	10	250 gpm x 0.5 ft of head = 125 gpm	10	1875
4	10.5	10.5	250 gpm x 0.5 ft of head = 125 gpm	10.5	2000

STAGE STORAGE

Stage (ft NAVD)	Existing				Proposed				
	Impervious (ac-ft)	Pervious (Ac-ft)	Total (Ac-ft)	Peak Stage 25-y 3-d	Impervious (Ac-ft)	Pervious (ac-ft)	Exfiltration Trench (Ac-ft)	Total (Ac-ft)	Peak Stage 25-y 3-d
11.00	0.00	0.00	0.00	11.98	0.00	0.00	0.10	0.10	11.21
11.50	0.02	0.22	0.24		0.00	0.03	0.10	0.13	
12.00	0.07	0.44	0.51		0.00	0.11	0.10	0.21	
12.50	0.11	0.66	0.77	Peak Stage 100-y 3-d	0.01	0.20	0.10	0.31	Peak Stage 100-y 3-d
13.00	0.16	0.88	1.04	12.27	0.11	0.29	0.10	0.50	11.28
13.50	0.20	1.10	1.30		0.20	0.38	0.10	0.68	
14.00	0.25	1.32	1.57		0.30	0.47	0.10	0.87	

* The peak stage is the final result after discharge into the proposed drainage well. Proposed minimum FFE is 14.0' NAVD.
The peak stage for the 5y-1hr storm event is 11.09' NAVD

EXHIBITS

ENVIRONMENTAL RESOURCE PERMIT APPLICANT'S HANDBOOK VOLUME II
Effective: AUGUST 10, 2014

Appendix C: Isohyetal Maps
from SFWMD Technical Memorandum, *Frequency Analysis of One and Three Day
Rainfall Maxima for central and southern Florida*, Paul Trimble, October 1990.

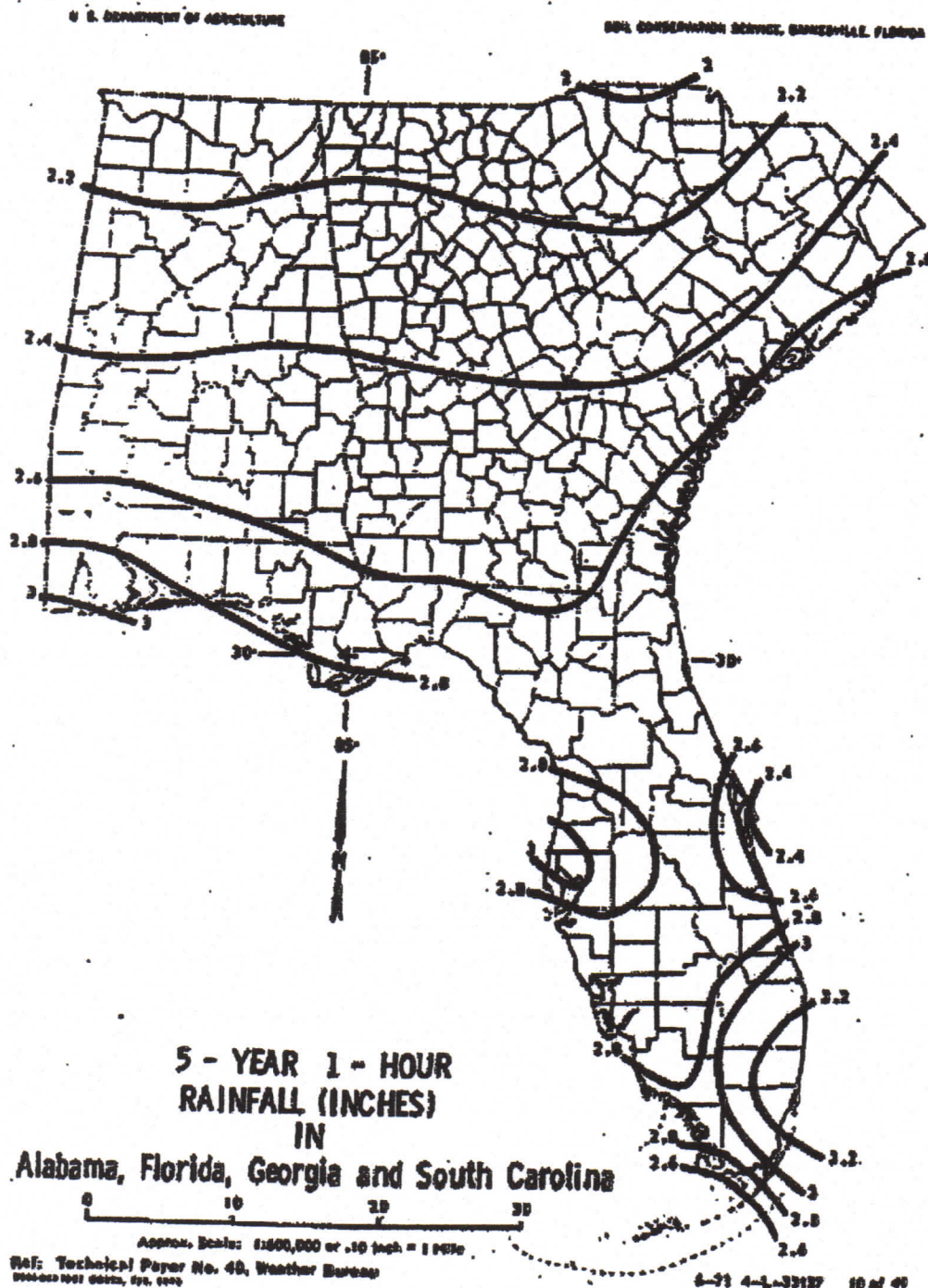


Figure C-1

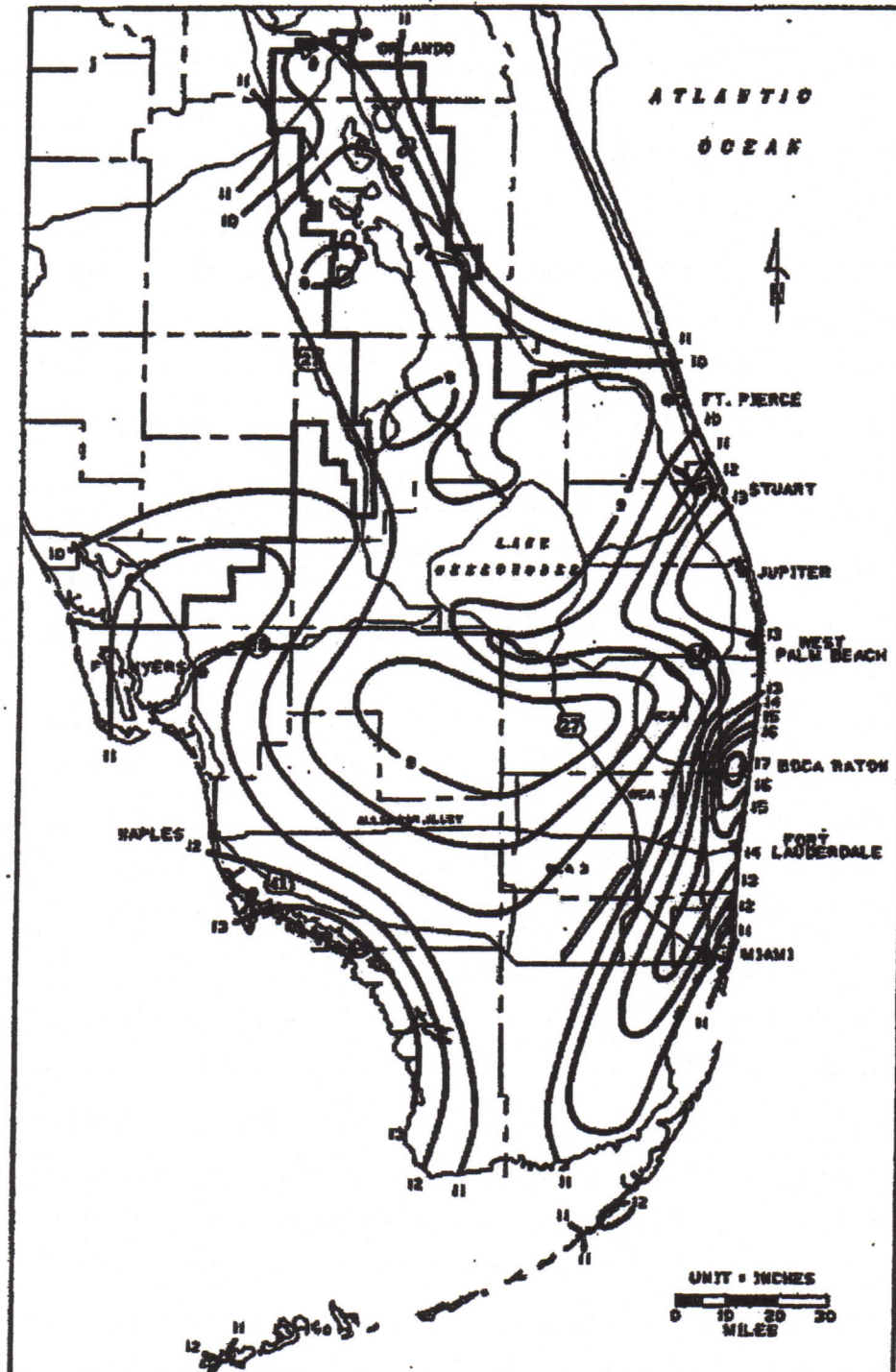


FIGURE C-8. 3-DAY RAINFALL: 25-YEAR RETURN PERIOD

FIGURE 4 - SFWMD RAINFALL 25YR, 3 DAY

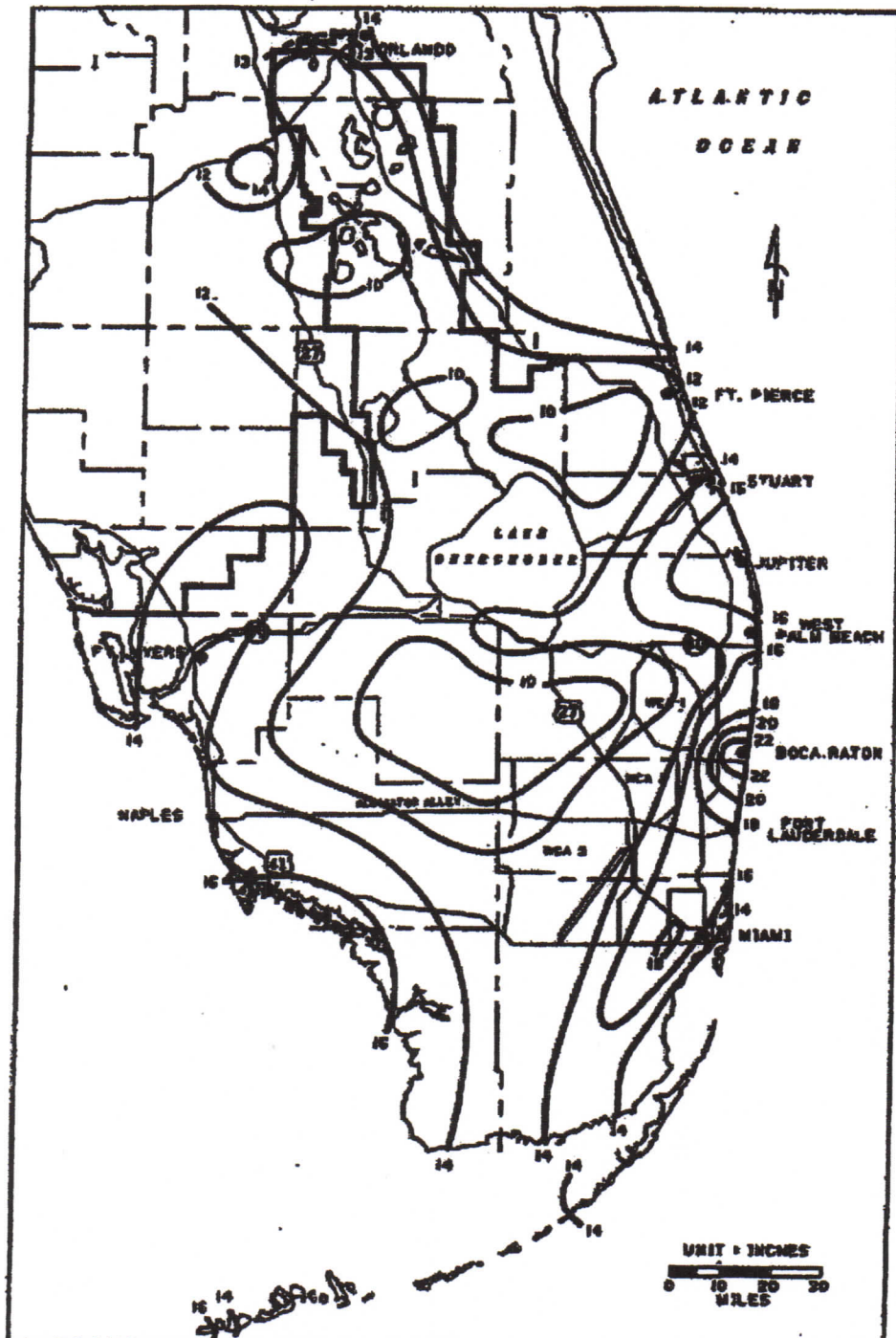


FIGURE C-9. 3-DAY RAINFALL: 100-YEAR RETURN PERIOD

FIGURE 5 SFWMD RAINFALL 100YR, 3 DAY

Water Quality Calculation

2.5" * % Impervious vs. 1" over site

2327 Lincoln Street

Date: 09-Jan-25

Input data in boxes below:

Total Area:	<table border="1"><tr><td>0.63</td></tr></table>	0.63	acre
0.63			
Lake & WL:	<table border="1"><tr><td>0.00</td></tr></table>	0.00	"
0.00			
Roof:	<table border="1"><tr><td>0.24</td></tr></table>	0.24	"
0.24			
Pervious Area:	<table border="1"><tr><td>0.18</td></tr></table>	0.18	"
0.18			

2.5 Inch * % Impervious:

$$\text{Vol} = 2.5 / 12 * (\text{Total} - \text{lakes}) * (\text{Total} - \text{roof} - \text{lake} - \text{pervious}) / (\text{Total} - \text{roof} - \text{lake})$$

$$\% \text{ Impervious} = (\text{Total} - \text{roof} - \text{lake} - \text{pervious}) / (\text{Total} - \text{roof} - \text{lake})$$

$$\text{Treatment Vol} = 2.5" / 12 * (\text{Total} - \text{lake}) * (\% \text{ Impervious})$$

% Impervious = 53.85%

Treatment Vol = 0.07 ac-ft

OR:

1" Over Entire Site:

Total Area: 0.63 acre

Treatment Vol = 0.05 ac-ft

The required water quality volume is based on: 2.5 X % Imperv. Area

The required water quality volume is: 0.07 acre-feet

Comments:

Soil Type: Depressional (3)

Soil Storage Calculation

Project: **2327 Lincoln Street** Existing

Date: **9-Jan-25**

DWT	S (inches)
0	0
1	0.6
2	2.1
3	4.4
4	6.8

User Enter Data is Shown in Blue & Bold Font

SHGWT (Seasonal high groundwater table elevation): **2.5** ft NAVD
 Total Impervious area (see note below): **0.190** acres

Pervious Area Description	Pervious Area Acreage (acres)	Low Elevation of Ground Surface (ft NAVD)	High Elevation of Ground Surface (ft NAVD)	Calculated Avg. Ground Surface Elevation (ft NAVD)	Calculated Depth to Groundwater (ft)	Calculated Uncompacted Soil Storage per SFWMD (inches)	Calculated Uncompacted Soil Storage per SFWMD (ac-ft)	Is Soil Compacted (enter Y or N)	Adjusted Soil Storage based on 75% Factor (ac-ft)	Note
Green	0.440	11.0	11.0	11.00	8.50	6.800	0.249	Y	0.187	Compacted Soil
				0.00	0.00	0.000	0.000	N	0.000	
				0.00	0.00	0.000	0.000	N	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
Total	0.440	<- total pervious area							0.187	<- ac-ft (Total)

Calculated Composite Soil Storage: **3.562 inches** $CN = 1000/(S+10) =$ **73.7**

Note: The composite soil storage calculated above is based on the total ac-ft of soil storage divided over the entire site area including pervious and impervious area. If the user desires to calculate the composite

[Click here for Directions:](#)

Site Storage Calculation

Project Name: *2327 Lincoln Street Townhomes Existing*

Date: *09-Jan-25*

User: *enter*

Minimum Stage: *11.000* feet, NAVD

Incremental Stage: *0.500* feet

Area Number	1	2	3	4	5	Total Area	
Area Description	<i>Imperv</i>	<i>Perv</i>	<i>3</i>	<i>4</i>	<i>5</i>		
Area (acres)	<i>0.090</i>	<i>0.440</i>				0.53 ac	
Area (ft^2)	3.92E+03	1.92E+04	0.00E+00	0.00E+00	0.00E+00		
Low Elv.	<i>11.000</i>	<i>11.000</i>					
High Elv.	<i>11.500</i>	<i>11.000</i>					
Stage (ft, NAVD)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Stage (ft, NAVD)	Total Storage (ac-ft)
11.000	0.00	0.00	0.00	0.00	0.00	11.00	0.00
11.500	0.02	0.22	0.00	0.00	0.00	11.50	0.24
12.000	0.07	0.44	0.00	0.00	0.00	12.00	0.51
12.500	0.11	0.66	0.00	0.00	0.00	12.50	0.77
13.000	0.16	0.88	0.00	0.00	0.00	13.00	1.04
13.500	0.20	1.10	0.00	0.00	0.00	13.50	1.30
14.000	0.25	1.32	0.00	0.00	0.00	14.00	1.57
14.500	0.29	1.54	0.00	0.00	0.00	14.50	1.83
15.000	0.34	1.76	0.00	0.00	0.00	15.00	2.10
15.500	0.38	1.98	0.00	0.00	0.00	15.50	2.36
16.000	0.43	2.20	0.00	0.00	0.00	16.00	2.63
16.500	0.47	2.42	0.00	0.00	0.00	16.50	2.89
17.000	0.52	2.64	0.00	0.00	0.00	17.00	3.16
17.500	0.56	2.86	0.00	0.00	0.00	17.50	3.42
18.000	0.61	3.08	0.00	0.00	0.00	18.00	3.69
18.500	0.65	3.30	0.00	0.00	0.00	18.50	3.95

SCS Runoff Equation:

2327 Lincoln Street Townhomes Existing

Rainfall & Basin Information:

Total Site Area (including buildings):	0.63	acres
Composite Soil Storage:	3.56	inches
5-yr 1-hr storm event:	3.28	inches
10-yr 24-hr storm event:	8.00	inches
25-yr 24-hr storm event:	0.00	inches
25-yr 72-hr storm event:	13.00	inches
100-yr 72-hr storm event:	16.00	inches

Zero-Discharge Runoff Volume & Interpolated Stages:

$$\text{Runoff (inches)} = (P - 0.2S)^2 / (P + 0.8S)$$

Design Storms (from above)	Runoff (in)	Runoff (ac-ft)	Stage (ft)
5-yr 1-hr storm event:	1.076	0.056	11.116
10-yr 24-hr storm event:	4.896	0.257	11.527
25-yr 24-hr storm event:	0.178	0.009	11.019
25-yr 72-hr storm event:	9.528	0.500	11.986
100-yr 72-hr storm event:	12.400	0.651	12.271

Soil Type: Depressional (3)

Soil Storage Calculation

Project: **2327 Lincoln Street**

Date: **9-Jan-25**

DWT	S (inches)
0	0
1	0.6
2	2.1
3	4.4
4	6.8

User Enter Data is Shown in Blue & Bold Font

SHGWT (Seasonal high groundwater table elevation): **2.5** ft NAVD
 Total Impervious area (see note below): **0.450** acres

Pervious Area Description	Pervious Area Acreage (acres)	Low Elevation of Ground Surface (ft NAVD)	High Elevation of Ground Surface (ft NAVD)	Calculated Avg. Ground Surface Elvation (ft NAVD)	Calculated Depth to Groundwater (ft)	Calculated Uncompacted Soil Storage per SFWMD (inches)	Calculated Uncompacted Soil Storage per SFWMD (ac-ft)	Is Soil Compacted (enter Y or N)	Adjusted Soil Storage based on 75% Factor (ac-ft)	Note
Green	0.180	11.0	11.0	11.00	8.50	6.800	0.102	y	0.077	Compacted Soil
				0.00	0.00	0.000	0.000	N	0.000	
				0.00	0.00	0.000	0.000	N	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
				0.00	0.00	0.000	0.000	Y	0.000	
Total	0.180	<- total pervious area							0.077	<- ac-ft (Total)

Calculated Composite Soil Storage: **1.457 inches** **CN = 1000/(S+10) = 87.3**

Note: The composite soil storage calculated above is based on the total ac-ft of soil storage divided over the entire site area including pervious and impervious area. If the user desires to calculate the composite soil storage over only the pervious area, then the impervious area should be entered as zero above.

Exfiltration Trench Calculation
Reference: SFWMD Vol. IV

1/9/2025

2327 Lincoln Street Townhomes

Case 1:

$$\text{Length} = \text{Volume} / (K(H_2 \cdot W + 2 \cdot H_2 \cdot Du - Du^2 + 2 \cdot H_2 \cdot Ds) + (1.39E-4 \cdot W \cdot Du))$$

This formula takes into consideration a safety factor of 2 and a 50% credit for retention system.

Variable Definitions:

Ds =	Saturated Depth of Trench (ft)
Du =	Unsaturated Depth (ft)
H ₂ =	Depth from Land Surface to Water Table (ft)
W =	Trench Width (ft)
Volume =	Required Wet Detention Volume (ac-in)
Length =	Calculated Trench Length (ft)
K =	Hydraulic Conductivity (ft/sec)

Note: (a) This equation (**Case 1**) is a special case. Validity criteria: (1) Ds < Du. (2) W < 2 * (Ds + Du)
(b) Minimum pipe diameter is 12 inches, minimum trench width (W) is 3 ft.

Input:

Ds =	2.5	ft	<u>Validity Check:</u>	
Du =	5.5	ft	(1) Ds < Du ?	Yes
H ₂ =	6.5	ft	(2) W < 2 * (Ds + Du)?	Yes
W =	4	ft	(3) W > 3 ?	Yes
Volume =	1.2	ac-in		
K =	2.00E-04	cfs/ft ² (i.e. ft/sec)		

Case 1: Calculated Trench Length = 52 ft

Case 2:

$$\text{Length} = \text{Volume} / (K(2 \cdot H_2 \cdot Du - Du^2 + 2 \cdot H_2 \cdot Ds) + (1.39E-4 \cdot W \cdot Du))$$

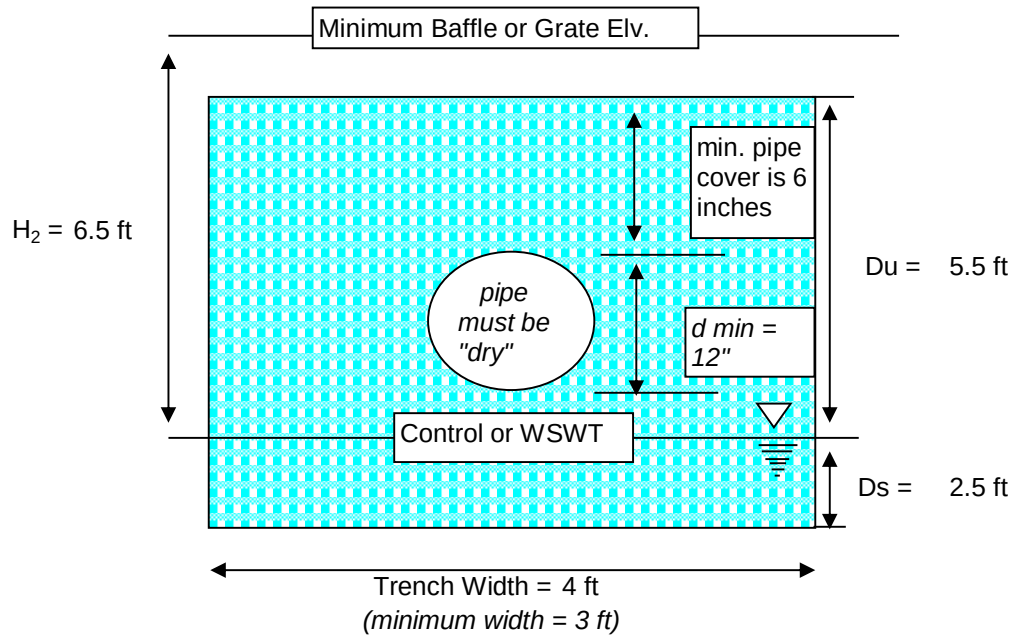
This formula takes into consideration a safety factor of 2 and a 50% credit for retention system.
This formula is valid if W > 2(Ds + Du) and Ds > Du.

Note: (a) This equation (**case 2**) is a special case. Validity criteria: (1) Ds > Du. (2) W > 2 * (Ds + Du)
(b) Minimum pipe diameter is 12 inches, minimum trench width (W) is 3 ft.

Case 2: Calculated Trench Length = 67 ft

<u>Validity Check:</u>	
(1) Ds > Du ?	criterion NOT met
(2) W > 2 * (Ds + Du)?	criterion NOT met

2327 Lincoln Street Townhomes



(3) $W > 3$?

Yes

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Site Storage Calculation

Project Name: *2327 Lincoln Street Proposed*

Date: *08-Jan-25*

User: *enter*

Minimum Stage: *11.000* feet, NAVD

Incremental Stage: *0.500* feet



Area Number	1	2	3	4	5	6	Total Area	
Area Description	<i>Green 1</i>	<i>Green 2</i>	<i>Pavement</i>	<i>Pool</i>	<i>Exf Trench</i>			
Area (acres)	<i>0.060</i>	<i>0.120</i>	<i>0.195</i>	<i>0.015</i>			0.39 ac	
Area (ft^2)	2.61E+03	5.23E+03	8.49E+03	6.53E+02	0.00E+00	0.00E+00		
Low Elv.	<i>11.500</i>	<i>11.000</i>	<i>12.300</i>	<i>12.500</i>				
High Elv.	<i>12.000</i>	<i>11.500</i>	<i>12.600</i>	<i>12.500</i>				
Stage (ft, NAVD)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Storage (ac-ft)	Stage (ft, NAVD)	Total Storage
11.000	0.00	0.00	0.00	0.00	0.10	0.00	11.00	0.10
11.500	0.00	0.03	0.00	0.00	0.10	0.00	11.50	0.13
12.000	0.02	0.09	0.00	0.00	0.10	0.00	12.00	0.21
12.500	0.05	0.15	0.01	0.00	0.10	0.00	12.50	0.31
13.000	0.08	0.21	0.11	0.01	0.10	0.00	13.00	0.50
13.500	0.11	0.27	0.20	0.02	0.10	0.00	13.50	0.69
14.000	0.14	0.33	0.30	0.02	0.10	0.00	14.00	0.89
14.500	0.17	0.39	0.40	0.03	0.10	0.00	14.50	1.08
15.000	0.20	0.45	0.50	0.04	0.10	0.00	15.00	1.28
15.500	0.23	0.51	0.59	0.05	0.10	0.00	15.50	1.47
16.000	0.26	0.57	0.69	0.05	0.10	0.00	16.00	1.67
16.500	0.29	0.63	0.79	0.06	0.10	0.00	16.50	1.86
17.000	0.32	0.69	0.89	0.07	0.10	0.00	17.00	2.06
17.500	0.35	0.75	0.98	0.08	0.10	0.00	17.50	2.25
18.000	0.38	0.81	1.08	0.08	0.10	0.00	18.00	2.45

SCS Runoff Equation:

2327 Lincoln Street Proposed

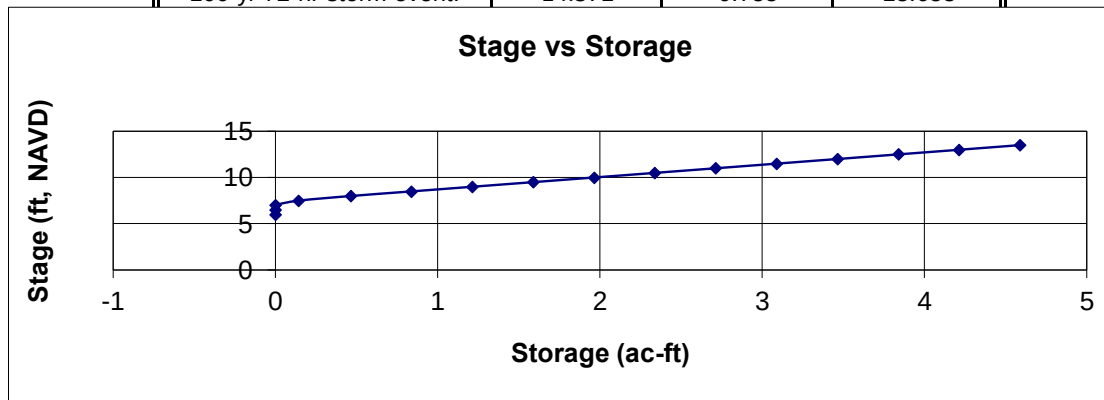
Rainfall & Basin Information:

Total Site Area (including buildings):	0.63	acres
Composite Soil Storage:	1.46	inches
5-yr 1-hr storm event:	3.28	inches
10-yr 24-hr storm event:	8.00	inches
25-yr 24-hr storm event:	0.00	inches
25-yr 72-hr storm event:	13.00	inches
100-yr 72-hr storm event:	16.00	inches

Zero-Discharge Runoff Volume & Interpolated Stages:

$$\text{Runoff (inches)} = (P - 0.2S)^2 / (P + 0.8S)$$

Design Storms (from above)	Runoff (in)	Runoff (ac-ft)	Stage (ft)
5-yr 1-hr storm event:	2.007	0.105	11.090
10-yr 24-hr storm event:	6.481	0.340	12.584
25-yr 24-hr storm event:	0.073	0.004	#N/A
25-yr 72-hr storm event:	11.398	0.598	13.253
100-yr 72-hr storm event:	14.372	0.755	13.653



5y - 1H

FLOOD ROUTING

Project Name: 2327 Lincoln Street Townhomes

Reviewer:

Project Number:

Period Begin: Jan 01, 2000;0000 hr End: Jan 05, 2000;0000 hr Duration: 96 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 24 hr

Design Frequency: 5 year

1 Day Rainfall: 3.28 inches

Area: 0.63 acres

Ground Storage: 1.46 inches

Time of Concentration: 0.15 hours

Initial Stage: 2.5 ft NGVD

**ALL ELEVATIONS REFER TO THE
NAVD DATUM**

Stage (ft NGVD)	Storage (acre-ft)
2.50	0.00
11.00	0.10
11.50	0.13
12.00	0.21
12.50	0.31
13.00	0.50
13.50	0.69
14.00	0.89

Offsite Receiving Body: Offsite1

Time (hr)	Stage (ft NGVD)
0.00	2.50
24.00	2.50
72.00	2.50
96.00	2.50

Structure: 1

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 9 ft NGVD, Off Elev = 9 ft NGVD, Capacity = 1625 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.03	0.00	0.00	0.00	2.50	2.50
2.00	0.07	0.00	0.00	0.00	2.50	2.50
3.00	0.10	0.00	0.00	0.00	2.50	2.50
4.00	0.15	0.00	0.00	0.00	2.50	2.50
5.00	0.20	0.00	0.00	0.00	2.50	2.50
6.00	0.27	0.00	0.00	0.00	2.50	2.50
7.00	0.35	0.00	0.00	0.00	2.51	2.50
8.00	0.45	0.01	0.00	0.00	2.56	2.50
9.00	0.56	0.02	0.00	0.00	2.66	2.50
10.00	0.70	0.03	0.00	0.00	2.85	2.50
11.00	0.88	0.06	0.00	0.00	3.18	2.50
12.00	2.15	1.02	0.00	0.00	5.92	2.50
13.00	2.52	0.14	0.00	0.00	8.32	2.50
14.00	2.68	0.08	0.00	0.00	9.02	2.50
15.00	2.79	0.05	0.00	0.00	9.46	2.50
16.00	2.89	0.05	0.00	0.00	9.84	2.50
17.00	2.95	0.03	0.00	0.00	10.10	2.50
18.00	3.00	0.03	0.00	0.00	10.33	2.50
19.00	3.06	0.03	0.00	0.00	10.56	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
20.00	3.12	0.03	0.00	0.00	10.79	2.50
21.00	3.16	0.02	0.00	0.00	10.96	2.50
22.00	3.20	0.02	0.00	0.00	11.02	2.50
23.00	3.24	0.02	0.00	0.00	11.05	2.50
24.00	3.28	0.02	0.00	0.00	11.08	2.50
25.00	3.28	0.00	0.00	0.00	11.09	2.50
26.00	3.28	0.00	0.00	0.00	11.09	2.50
27.00	3.28	0.00	0.00	0.00	11.09	2.50
28.00	3.28	0.00	0.00	0.00	11.09	2.50
29.00	3.28	0.00	0.00	0.00	11.09	2.50
30.00	3.28	0.00	0.00	0.00	11.09	2.50
31.00	3.28	0.00	0.00	0.00	11.09	2.50
32.00	3.28	0.00	0.00	0.00	11.09	2.50
33.00	3.28	0.00	0.00	0.00	11.09	2.50
34.00	3.28	0.00	0.00	0.00	11.09	2.50
35.00	3.28	0.00	0.00	0.00	11.09	2.50
36.00	3.28	0.00	0.00	0.00	11.09	2.50
37.00	3.28	0.00	0.00	0.00	11.09	2.50
38.00	3.28	0.00	0.00	0.00	11.09	2.50
39.00	3.28	0.00	0.00	0.00	11.09	2.50
40.00	3.28	0.00	0.00	0.00	11.09	2.50
41.00	3.28	0.00	0.00	0.00	11.09	2.50
42.00	3.28	0.00	0.00	0.00	11.09	2.50
43.00	3.28	0.00	0.00	0.00	11.09	2.50
44.00	3.28	0.00	0.00	0.00	11.09	2.50
45.00	3.28	0.00	0.00	0.00	11.09	2.50
46.00	3.28	0.00	0.00	0.00	11.09	2.50
47.00	3.28	0.00	0.00	0.00	11.09	2.50
48.00	3.28	0.00	0.00	0.00	11.09	2.50
49.00	3.28	0.00	0.00	0.00	11.09	2.50
50.00	3.28	0.00	0.00	0.00	11.09	2.50
51.00	3.28	0.00	0.00	0.00	11.09	2.50
52.00	3.28	0.00	0.00	0.00	11.09	2.50
53.00	3.28	0.00	0.00	0.00	11.09	2.50
54.00	3.28	0.00	0.00	0.00	11.09	2.50
55.00	3.28	0.00	0.00	0.00	11.09	2.50
56.00	3.28	0.00	0.00	0.00	11.09	2.50
57.00	3.28	0.00	0.00	0.00	11.09	2.50
58.00	3.28	0.00	0.00	0.00	11.09	2.50
59.00	3.28	0.00	0.00	0.00	11.09	2.50
60.00	3.28	0.00	0.00	0.00	11.09	2.50
61.00	3.28	0.00	0.00	0.00	11.09	2.50
62.00	3.28	0.00	0.00	0.00	11.09	2.50
63.00	3.28	0.00	0.00	0.00	11.09	2.50
64.00	3.28	0.00	0.00	0.00	11.09	2.50
65.00	3.28	0.00	0.00	0.00	11.09	2.50
66.00	3.28	0.00	0.00	0.00	11.09	2.50
67.00	3.28	0.00	0.00	0.00	11.09	2.50
68.00	3.28	0.00	0.00	0.00	11.09	2.50
69.00	3.28	0.00	0.00	0.00	11.09	2.50
70.00	3.28	0.00	0.00	0.00	11.09	2.50
71.00	3.28	0.00	0.00	0.00	11.09	2.50
72.00	3.28	0.00	0.00	0.00	11.09	2.50
73.00	3.28	0.00	0.00	0.00	11.09	2.50
74.00	3.28	0.00	0.00	0.00	11.09	2.50
75.00	3.28	0.00	0.00	0.00	11.09	2.50
76.00	3.28	0.00	0.00	0.00	11.09	2.50
77.00	3.28	0.00	0.00	0.00	11.09	2.50
78.00	3.28	0.00	0.00	0.00	11.09	2.50
79.00	3.28	0.00	0.00	0.00	11.09	2.50
80.00	3.28	0.00	0.00	0.00	11.09	2.50
81.00	3.28	0.00	0.00	0.00	11.09	2.50
82.00	3.28	0.00	0.00	0.00	11.09	2.50
83.00	3.28	0.00	0.00	0.00	11.09	2.50
84.00	3.28	0.00	0.00	0.00	11.09	2.50
85.00	3.28	0.00	0.00	0.00	11.09	2.50
86.00	3.28	0.00	0.00	0.00	11.09	2.50
87.00	3.28	0.00	0.00	0.00	11.09	2.50
88.00	3.28	0.00	0.00	0.00	11.09	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
89.00	3.28	0.00	0.00	0.00	11.09	2.50
90.00	3.28	0.00	0.00	0.00	11.09	2.50
91.00	3.28	0.00	0.00	0.00	11.09	2.50
92.00	3.28	0.00	0.00	0.00	11.09	2.50
93.00	3.28	0.00	0.00	0.00	11.09	2.50
94.00	3.28	0.00	0.00	0.00	11.09	2.50
95.00	3.28	0.00	0.00	0.00	11.09	2.50
96.00	3.28	0.00	0.00	0.00	11.09	2.50

Structure: 2

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 9.5 ft NGVD, Off Elev = 9.5 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.03	0.00	0.00	0.00	2.50	2.50
2.00	0.07	0.00	0.00	0.00	2.50	2.50
3.00	0.10	0.00	0.00	0.00	2.50	2.50
4.00	0.15	0.00	0.00	0.00	2.50	2.50
5.00	0.20	0.00	0.00	0.00	2.50	2.50
6.00	0.27	0.00	0.00	0.00	2.50	2.50
7.00	0.35	0.00	0.00	0.00	2.51	2.50
8.00	0.45	0.01	0.00	0.00	2.56	2.50
9.00	0.56	0.02	0.00	0.00	2.66	2.50
10.00	0.70	0.03	0.00	0.00	2.85	2.50
11.00	0.88	0.06	0.00	0.00	3.18	2.50
12.00	2.15	1.02	0.00	0.00	5.92	2.50
13.00	2.52	0.14	0.00	0.00	8.32	2.50
14.00	2.68	0.08	0.00	0.00	9.02	2.50
15.00	2.79	0.05	0.00	0.00	9.46	2.50
16.00	2.89	0.05	0.00	0.00	9.84	2.50
17.00	2.95	0.03	0.00	0.00	10.10	2.50
18.00	3.00	0.03	0.00	0.00	10.33	2.50
19.00	3.06	0.03	0.00	0.00	10.56	2.50
20.00	3.12	0.03	0.00	0.00	10.79	2.50
21.00	3.16	0.02	0.00	0.00	10.96	2.50
22.00	3.20	0.02	0.00	0.00	11.02	2.50
23.00	3.24	0.02	0.00	0.00	11.05	2.50
24.00	3.28	0.02	0.00	0.00	11.08	2.50
25.00	3.28	0.00	0.00	0.00	11.09	2.50
26.00	3.28	0.00	0.00	0.00	11.09	2.50
27.00	3.28	0.00	0.00	0.00	11.09	2.50
28.00	3.28	0.00	0.00	0.00	11.09	2.50
29.00	3.28	0.00	0.00	0.00	11.09	2.50
30.00	3.28	0.00	0.00	0.00	11.09	2.50
31.00	3.28	0.00	0.00	0.00	11.09	2.50
32.00	3.28	0.00	0.00	0.00	11.09	2.50
33.00	3.28	0.00	0.00	0.00	11.09	2.50
34.00	3.28	0.00	0.00	0.00	11.09	2.50
35.00	3.28	0.00	0.00	0.00	11.09	2.50
36.00	3.28	0.00	0.00	0.00	11.09	2.50
37.00	3.28	0.00	0.00	0.00	11.09	2.50
38.00	3.28	0.00	0.00	0.00	11.09	2.50
39.00	3.28	0.00	0.00	0.00	11.09	2.50
40.00	3.28	0.00	0.00	0.00	11.09	2.50
41.00	3.28	0.00	0.00	0.00	11.09	2.50
42.00	3.28	0.00	0.00	0.00	11.09	2.50
43.00	3.28	0.00	0.00	0.00	11.09	2.50
44.00	3.28	0.00	0.00	0.00	11.09	2.50
45.00	3.28	0.00	0.00	0.00	11.09	2.50
46.00	3.28	0.00	0.00	0.00	11.09	2.50
47.00	3.28	0.00	0.00	0.00	11.09	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
48.00	3.28	0.00	0.00	0.00	11.09	2.50
49.00	3.28	0.00	0.00	0.00	11.09	2.50
50.00	3.28	0.00	0.00	0.00	11.09	2.50
51.00	3.28	0.00	0.00	0.00	11.09	2.50
52.00	3.28	0.00	0.00	0.00	11.09	2.50
53.00	3.28	0.00	0.00	0.00	11.09	2.50
54.00	3.28	0.00	0.00	0.00	11.09	2.50
55.00	3.28	0.00	0.00	0.00	11.09	2.50
56.00	3.28	0.00	0.00	0.00	11.09	2.50
57.00	3.28	0.00	0.00	0.00	11.09	2.50
58.00	3.28	0.00	0.00	0.00	11.09	2.50
59.00	3.28	0.00	0.00	0.00	11.09	2.50
60.00	3.28	0.00	0.00	0.00	11.09	2.50
61.00	3.28	0.00	0.00	0.00	11.09	2.50
62.00	3.28	0.00	0.00	0.00	11.09	2.50
63.00	3.28	0.00	0.00	0.00	11.09	2.50
64.00	3.28	0.00	0.00	0.00	11.09	2.50
65.00	3.28	0.00	0.00	0.00	11.09	2.50
66.00	3.28	0.00	0.00	0.00	11.09	2.50
67.00	3.28	0.00	0.00	0.00	11.09	2.50
68.00	3.28	0.00	0.00	0.00	11.09	2.50
69.00	3.28	0.00	0.00	0.00	11.09	2.50
70.00	3.28	0.00	0.00	0.00	11.09	2.50
71.00	3.28	0.00	0.00	0.00	11.09	2.50
72.00	3.28	0.00	0.00	0.00	11.09	2.50
73.00	3.28	0.00	0.00	0.00	11.09	2.50
74.00	3.28	0.00	0.00	0.00	11.09	2.50
75.00	3.28	0.00	0.00	0.00	11.09	2.50
76.00	3.28	0.00	0.00	0.00	11.09	2.50
77.00	3.28	0.00	0.00	0.00	11.09	2.50
78.00	3.28	0.00	0.00	0.00	11.09	2.50
79.00	3.28	0.00	0.00	0.00	11.09	2.50
80.00	3.28	0.00	0.00	0.00	11.09	2.50
81.00	3.28	0.00	0.00	0.00	11.09	2.50
82.00	3.28	0.00	0.00	0.00	11.09	2.50
83.00	3.28	0.00	0.00	0.00	11.09	2.50
84.00	3.28	0.00	0.00	0.00	11.09	2.50
85.00	3.28	0.00	0.00	0.00	11.09	2.50
86.00	3.28	0.00	0.00	0.00	11.09	2.50
87.00	3.28	0.00	0.00	0.00	11.09	2.50
88.00	3.28	0.00	0.00	0.00	11.09	2.50
89.00	3.28	0.00	0.00	0.00	11.09	2.50
90.00	3.28	0.00	0.00	0.00	11.09	2.50
91.00	3.28	0.00	0.00	0.00	11.09	2.50
92.00	3.28	0.00	0.00	0.00	11.09	2.50
93.00	3.28	0.00	0.00	0.00	11.09	2.50
94.00	3.28	0.00	0.00	0.00	11.09	2.50
95.00	3.28	0.00	0.00	0.00	11.09	2.50
96.00	3.28	0.00	0.00	0.00	11.09	2.50

Structure: 3

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 10 ft NGVD, Off Elev = 10 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.03	0.00	0.00	0.00	2.50	2.50
2.00	0.07	0.00	0.00	0.00	2.50	2.50
3.00	0.10	0.00	0.00	0.00	2.50	2.50
4.00	0.15	0.00	0.00	0.00	2.50	2.50
5.00	0.20	0.00	0.00	0.00	2.50	2.50
6.00	0.27	0.00	0.00	0.00	2.50	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
7.00	0.35	0.00	0.00	0.00	2.51	2.50
8.00	0.45	0.01	0.00	0.00	2.56	2.50
9.00	0.56	0.02	0.00	0.00	2.66	2.50
10.00	0.70	0.03	0.00	0.00	2.85	2.50
11.00	0.88	0.06	0.00	0.00	3.18	2.50
12.00	2.15	1.02	0.00	0.00	5.92	2.50
13.00	2.52	0.14	0.00	0.00	8.32	2.50
14.00	2.68	0.08	0.00	0.00	9.02	2.50
15.00	2.79	0.05	0.00	0.00	9.46	2.50
16.00	2.89	0.05	0.00	0.00	9.84	2.50
17.00	2.95	0.03	0.00	0.00	10.10	2.50
18.00	3.00	0.03	0.00	0.00	10.33	2.50
19.00	3.06	0.03	0.00	0.00	10.56	2.50
20.00	3.12	0.03	0.00	0.00	10.79	2.50
21.00	3.16	0.02	0.00	0.00	10.96	2.50
22.00	3.20	0.02	0.00	0.00	11.02	2.50
23.00	3.24	0.02	0.00	0.00	11.05	2.50
24.00	3.28	0.02	0.00	0.00	11.08	2.50
25.00	3.28	0.00	0.00	0.00	11.09	2.50
26.00	3.28	0.00	0.00	0.00	11.09	2.50
27.00	3.28	0.00	0.00	0.00	11.09	2.50
28.00	3.28	0.00	0.00	0.00	11.09	2.50
29.00	3.28	0.00	0.00	0.00	11.09	2.50
30.00	3.28	0.00	0.00	0.00	11.09	2.50
31.00	3.28	0.00	0.00	0.00	11.09	2.50
32.00	3.28	0.00	0.00	0.00	11.09	2.50
33.00	3.28	0.00	0.00	0.00	11.09	2.50
34.00	3.28	0.00	0.00	0.00	11.09	2.50
35.00	3.28	0.00	0.00	0.00	11.09	2.50
36.00	3.28	0.00	0.00	0.00	11.09	2.50
37.00	3.28	0.00	0.00	0.00	11.09	2.50
38.00	3.28	0.00	0.00	0.00	11.09	2.50
39.00	3.28	0.00	0.00	0.00	11.09	2.50
40.00	3.28	0.00	0.00	0.00	11.09	2.50
41.00	3.28	0.00	0.00	0.00	11.09	2.50
42.00	3.28	0.00	0.00	0.00	11.09	2.50
43.00	3.28	0.00	0.00	0.00	11.09	2.50
44.00	3.28	0.00	0.00	0.00	11.09	2.50
45.00	3.28	0.00	0.00	0.00	11.09	2.50
46.00	3.28	0.00	0.00	0.00	11.09	2.50
47.00	3.28	0.00	0.00	0.00	11.09	2.50
48.00	3.28	0.00	0.00	0.00	11.09	2.50
49.00	3.28	0.00	0.00	0.00	11.09	2.50
50.00	3.28	0.00	0.00	0.00	11.09	2.50
51.00	3.28	0.00	0.00	0.00	11.09	2.50
52.00	3.28	0.00	0.00	0.00	11.09	2.50
53.00	3.28	0.00	0.00	0.00	11.09	2.50
54.00	3.28	0.00	0.00	0.00	11.09	2.50
55.00	3.28	0.00	0.00	0.00	11.09	2.50
56.00	3.28	0.00	0.00	0.00	11.09	2.50
57.00	3.28	0.00	0.00	0.00	11.09	2.50
58.00	3.28	0.00	0.00	0.00	11.09	2.50
59.00	3.28	0.00	0.00	0.00	11.09	2.50
60.00	3.28	0.00	0.00	0.00	11.09	2.50
61.00	3.28	0.00	0.00	0.00	11.09	2.50
62.00	3.28	0.00	0.00	0.00	11.09	2.50
63.00	3.28	0.00	0.00	0.00	11.09	2.50
64.00	3.28	0.00	0.00	0.00	11.09	2.50
65.00	3.28	0.00	0.00	0.00	11.09	2.50
66.00	3.28	0.00	0.00	0.00	11.09	2.50
67.00	3.28	0.00	0.00	0.00	11.09	2.50
68.00	3.28	0.00	0.00	0.00	11.09	2.50
69.00	3.28	0.00	0.00	0.00	11.09	2.50
70.00	3.28	0.00	0.00	0.00	11.09	2.50
71.00	3.28	0.00	0.00	0.00	11.09	2.50
72.00	3.28	0.00	0.00	0.00	11.09	2.50
73.00	3.28	0.00	0.00	0.00	11.09	2.50
74.00	3.28	0.00	0.00	0.00	11.09	2.50
75.00	3.28	0.00	0.00	0.00	11.09	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
76.00	3.28	0.00	0.00	0.00	11.09	2.50
77.00	3.28	0.00	0.00	0.00	11.09	2.50
78.00	3.28	0.00	0.00	0.00	11.09	2.50
79.00	3.28	0.00	0.00	0.00	11.09	2.50
80.00	3.28	0.00	0.00	0.00	11.09	2.50
81.00	3.28	0.00	0.00	0.00	11.09	2.50
82.00	3.28	0.00	0.00	0.00	11.09	2.50
83.00	3.28	0.00	0.00	0.00	11.09	2.50
84.00	3.28	0.00	0.00	0.00	11.09	2.50
85.00	3.28	0.00	0.00	0.00	11.09	2.50
86.00	3.28	0.00	0.00	0.00	11.09	2.50
87.00	3.28	0.00	0.00	0.00	11.09	2.50
88.00	3.28	0.00	0.00	0.00	11.09	2.50
89.00	3.28	0.00	0.00	0.00	11.09	2.50
90.00	3.28	0.00	0.00	0.00	11.09	2.50
91.00	3.28	0.00	0.00	0.00	11.09	2.50
92.00	3.28	0.00	0.00	0.00	11.09	2.50
93.00	3.28	0.00	0.00	0.00	11.09	2.50
94.00	3.28	0.00	0.00	0.00	11.09	2.50
95.00	3.28	0.00	0.00	0.00	11.09	2.50
96.00	3.28	0.00	0.00	0.00	11.09	2.50

Structure: 4

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 10.5 ft NGVD, Off Elev = 10.5 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.03	0.00	0.00	0.00	2.50	2.50
2.00	0.07	0.00	0.00	0.00	2.50	2.50
3.00	0.10	0.00	0.00	0.00	2.50	2.50
4.00	0.15	0.00	0.00	0.00	2.50	2.50
5.00	0.20	0.00	0.00	0.00	2.50	2.50
6.00	0.27	0.00	0.00	0.00	2.50	2.50
7.00	0.35	0.00	0.00	0.00	2.51	2.50
8.00	0.45	0.01	0.00	0.00	2.56	2.50
9.00	0.56	0.02	0.00	0.00	2.66	2.50
10.00	0.70	0.03	0.00	0.00	2.85	2.50
11.00	0.88	0.06	0.00	0.00	3.18	2.50
12.00	2.15	1.02	0.00	0.00	5.92	2.50
13.00	2.52	0.14	0.00	0.00	8.32	2.50
14.00	2.68	0.08	0.00	0.00	9.02	2.50
15.00	2.79	0.05	0.00	0.00	9.46	2.50
16.00	2.89	0.05	0.00	0.00	9.84	2.50
17.00	2.95	0.03	0.00	0.00	10.10	2.50
18.00	3.00	0.03	0.00	0.00	10.33	2.50
19.00	3.06	0.03	0.00	0.00	10.56	2.50
20.00	3.12	0.03	0.00	0.00	10.79	2.50
21.00	3.16	0.02	0.00	0.00	10.96	2.50
22.00	3.20	0.02	0.00	0.00	11.02	2.50
23.00	3.24	0.02	0.00	0.00	11.05	2.50
24.00	3.28	0.02	0.00	0.00	11.08	2.50
25.00	3.28	0.00	0.00	0.00	11.09	2.50
26.00	3.28	0.00	0.00	0.00	11.09	2.50
27.00	3.28	0.00	0.00	0.00	11.09	2.50
28.00	3.28	0.00	0.00	0.00	11.09	2.50
29.00	3.28	0.00	0.00	0.00	11.09	2.50
30.00	3.28	0.00	0.00	0.00	11.09	2.50
31.00	3.28	0.00	0.00	0.00	11.09	2.50
32.00	3.28	0.00	0.00	0.00	11.09	2.50
33.00	3.28	0.00	0.00	0.00	11.09	2.50
34.00	3.28	0.00	0.00	0.00	11.09	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
35.00	3.28	0.00	0.00	0.00	11.09	2.50
36.00	3.28	0.00	0.00	0.00	11.09	2.50
37.00	3.28	0.00	0.00	0.00	11.09	2.50
38.00	3.28	0.00	0.00	0.00	11.09	2.50
39.00	3.28	0.00	0.00	0.00	11.09	2.50
40.00	3.28	0.00	0.00	0.00	11.09	2.50
41.00	3.28	0.00	0.00	0.00	11.09	2.50
42.00	3.28	0.00	0.00	0.00	11.09	2.50
43.00	3.28	0.00	0.00	0.00	11.09	2.50
44.00	3.28	0.00	0.00	0.00	11.09	2.50
45.00	3.28	0.00	0.00	0.00	11.09	2.50
46.00	3.28	0.00	0.00	0.00	11.09	2.50
47.00	3.28	0.00	0.00	0.00	11.09	2.50
48.00	3.28	0.00	0.00	0.00	11.09	2.50
49.00	3.28	0.00	0.00	0.00	11.09	2.50
50.00	3.28	0.00	0.00	0.00	11.09	2.50
51.00	3.28	0.00	0.00	0.00	11.09	2.50
52.00	3.28	0.00	0.00	0.00	11.09	2.50
53.00	3.28	0.00	0.00	0.00	11.09	2.50
54.00	3.28	0.00	0.00	0.00	11.09	2.50
55.00	3.28	0.00	0.00	0.00	11.09	2.50
56.00	3.28	0.00	0.00	0.00	11.09	2.50
57.00	3.28	0.00	0.00	0.00	11.09	2.50
58.00	3.28	0.00	0.00	0.00	11.09	2.50
59.00	3.28	0.00	0.00	0.00	11.09	2.50
60.00	3.28	0.00	0.00	0.00	11.09	2.50
61.00	3.28	0.00	0.00	0.00	11.09	2.50
62.00	3.28	0.00	0.00	0.00	11.09	2.50
63.00	3.28	0.00	0.00	0.00	11.09	2.50
64.00	3.28	0.00	0.00	0.00	11.09	2.50
65.00	3.28	0.00	0.00	0.00	11.09	2.50
66.00	3.28	0.00	0.00	0.00	11.09	2.50
67.00	3.28	0.00	0.00	0.00	11.09	2.50
68.00	3.28	0.00	0.00	0.00	11.09	2.50
69.00	3.28	0.00	0.00	0.00	11.09	2.50
70.00	3.28	0.00	0.00	0.00	11.09	2.50
71.00	3.28	0.00	0.00	0.00	11.09	2.50
72.00	3.28	0.00	0.00	0.00	11.09	2.50
73.00	3.28	0.00	0.00	0.00	11.09	2.50
74.00	3.28	0.00	0.00	0.00	11.09	2.50
75.00	3.28	0.00	0.00	0.00	11.09	2.50
76.00	3.28	0.00	0.00	0.00	11.09	2.50
77.00	3.28	0.00	0.00	0.00	11.09	2.50
78.00	3.28	0.00	0.00	0.00	11.09	2.50
79.00	3.28	0.00	0.00	0.00	11.09	2.50
80.00	3.28	0.00	0.00	0.00	11.09	2.50
81.00	3.28	0.00	0.00	0.00	11.09	2.50
82.00	3.28	0.00	0.00	0.00	11.09	2.50
83.00	3.28	0.00	0.00	0.00	11.09	2.50
84.00	3.28	0.00	0.00	0.00	11.09	2.50
85.00	3.28	0.00	0.00	0.00	11.09	2.50
86.00	3.28	0.00	0.00	0.00	11.09	2.50
87.00	3.28	0.00	0.00	0.00	11.09	2.50
88.00	3.28	0.00	0.00	0.00	11.09	2.50
89.00	3.28	0.00	0.00	0.00	11.09	2.50
90.00	3.28	0.00	0.00	0.00	11.09	2.50
91.00	3.28	0.00	0.00	0.00	11.09	2.50
92.00	3.28	0.00	0.00	0.00	11.09	2.50
93.00	3.28	0.00	0.00	0.00	11.09	2.50
94.00	3.28	0.00	0.00	0.00	11.09	2.50
95.00	3.28	0.00	0.00	0.00	11.09	2.50
96.00	3.28	0.00	0.00	0.00	11.09	2.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.00	0.00	0.00	0.00

2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Site	11.09	25.40	2.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Site	0.11	0.00	0.00	0.00	0.11	0.00

**ALL ELEVATIONS REFER TO THE
NAVD DATUM**

25Y - 72H

FLOOD ROUTING

Project Name: 2327 Lincoln Street Townhomes

Reviewer:

Project Number:

Period Begin: Jan 01, 2000;0000 hr End: Jan 05, 2000;0000 hr Duration: 96 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 25 year

3 Day Rainfall: 13 inches

Area: 0.63 acres

Ground Storage: 1.46 inches

Time of Concentration: 0.15 hours

Initial Stage: 2.5 ft NGVD

ALL ELEVATIONS REFER TO THE
NAVD DATUM

Stage (ft NGVD)	Storage (acre-ft)
2.50	0.00
11.00	0.10
11.50	0.13
12.00	0.21
12.50	0.31
13.00	0.50
13.50	0.69
14.00	0.89

Offsite Receiving Body: Offsite1

Time (hr)	Stage (ft NGVD)
0.00	2.50
24.00	2.50
72.00	2.50
96.00	2.50

Structure: 1

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 9 ft NGVD, Off Elev = 9 ft NGVD, Capacity = 1625 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.06	0.00	0.00	0.00	2.50	2.50
2.00	0.12	0.00	0.00	0.00	2.50	2.50
3.00	0.17	0.00	0.00	0.00	2.50	2.50
4.00	0.23	0.00	0.00	0.00	2.50	2.50
5.00	0.29	0.00	0.00	0.00	2.50	2.50
6.00	0.35	0.00	0.00	0.00	2.51	2.50
7.00	0.41	0.00	0.00	0.00	2.53	2.50
8.00	0.47	0.01	0.00	0.00	2.57	2.50
9.00	0.52	0.01	0.00	0.00	2.63	2.50
10.00	0.58	0.01	0.00	0.00	2.70	2.50
11.00	0.64	0.01	0.00	0.00	2.78	2.50
12.00	0.70	0.01	0.00	0.00	2.88	2.50
13.00	0.76	0.02	0.00	0.00	2.98	2.50
14.00	0.81	0.02	0.00	0.00	3.09	2.50
15.00	0.87	0.02	0.00	0.00	3.22	2.50
16.00	0.93	0.02	0.00	0.00	3.35	2.50
17.00	0.99	0.02	0.00	0.00	3.48	2.50
18.00	1.05	0.02	0.00	0.00	3.62	2.50
19.00	1.11	0.02	0.00	0.00	3.77	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
20.00	1.16	0.02	0.00	0.00	3.93	2.50
21.00	1.22	0.02	0.00	0.00	4.09	2.50
22.00	1.28	0.02	0.00	0.00	4.25	2.50
23.00	1.34	0.02	0.00	0.00	4.42	2.50
24.00	1.40	0.02	0.00	0.00	4.59	2.50
25.00	1.48	0.04	0.00	0.00	4.84	2.50
26.00	1.57	0.04	0.00	0.00	5.10	2.50
27.00	1.65	0.04	0.00	0.00	5.38	2.50
28.00	1.74	0.04	0.00	0.00	5.66	2.50
29.00	1.82	0.04	0.00	0.00	5.94	2.50
30.00	1.91	0.04	0.00	0.00	6.23	2.50
31.00	1.99	0.04	0.00	0.00	6.53	2.50
32.00	2.08	0.04	0.00	0.00	6.82	2.50
33.00	2.16	0.04	0.00	0.00	7.13	2.50
34.00	2.25	0.04	0.00	0.00	7.43	2.50
35.00	2.33	0.04	0.00	0.00	7.75	2.50
36.00	2.42	0.04	0.00	0.00	8.06	2.50
37.00	2.50	0.05	0.00	0.00	8.38	2.50
38.00	2.59	0.05	0.00	0.00	8.70	2.50
39.00	2.67	0.05	0.00	0.00	9.02	2.50
40.00	2.75	0.05	0.00	0.00	9.34	2.50
41.00	2.84	0.05	0.00	0.00	9.67	2.50
42.00	2.92	0.05	0.00	0.00	10.00	2.50
43.00	3.01	0.05	0.00	0.00	10.33	2.50
44.00	3.09	0.05	0.00	0.00	10.66	2.50
45.00	3.18	0.05	0.00	0.00	11.00	2.50
46.00	3.26	0.05	0.00	0.00	11.07	2.50
47.00	3.35	0.05	0.00	0.00	11.13	2.50
48.00	3.43	0.05	0.00	0.00	11.20	2.50
49.00	3.53	0.05	0.00	0.06	7.30	2.50
50.00	3.63	0.06	0.00	0.06	7.69	2.50
51.00	3.74	0.07	0.00	0.06	8.14	2.50
52.00	3.86	0.08	0.00	0.06	8.63	2.50
53.00	4.03	0.10	0.00	0.06	9.27	2.50
54.00	4.23	0.12	0.00	0.06	10.07	2.50
55.00	4.47	0.15	0.00	0.06	11.01	2.50
56.00	4.74	0.17	3.62	0.12	9.62	2.50
57.00	5.07	0.21	0.00	0.12	8.40	2.50
58.00	5.47	0.25	0.00	0.12	10.05	2.50
59.00	6.01	0.37	3.62	0.18	9.65	2.50
60.00	9.71	3.85	3.62	0.30	9.97	2.50
61.00	10.77	0.48	0.00	0.36	10.09	2.50
62.00	11.26	0.28	3.62	0.42	9.73	2.50
63.00	11.57	0.18	0.00	0.42	8.46	2.50
64.00	11.85	0.18	0.00	0.42	9.72	2.50
65.00	12.02	0.11	0.00	0.42	10.57	2.50
66.00	12.20	0.11	0.00	0.42	11.06	2.50
67.00	12.37	0.11	0.00	0.42	11.21	2.50
68.00	12.54	0.11	0.00	0.48	7.76	2.50
69.00	12.66	0.07	0.00	0.48	8.31	2.50
70.00	12.77	0.07	0.00	0.48	8.81	2.50
71.00	12.89	0.07	0.00	0.48	9.32	2.50
72.00	13.00	0.07	0.00	0.48	9.83	2.50
73.00	13.00	0.00	0.00	0.48	9.91	2.50
74.00	13.00	0.00	0.00	0.48	9.91	2.50
75.00	13.00	0.00	0.00	0.48	9.91	2.50
76.00	13.00	0.00	0.00	0.48	9.91	2.50
77.00	13.00	0.00	0.00	0.48	9.91	2.50
78.00	13.00	0.00	0.00	0.48	9.91	2.50
79.00	13.00	0.00	0.00	0.48	9.91	2.50
80.00	13.00	0.00	0.00	0.48	9.91	2.50
81.00	13.00	0.00	0.00	0.48	9.91	2.50
82.00	13.00	0.00	0.00	0.48	9.91	2.50
83.00	13.00	0.00	0.00	0.48	9.91	2.50
84.00	13.00	0.00	0.00	0.48	9.91	2.50
85.00	13.00	0.00	0.00	0.48	9.91	2.50
86.00	13.00	0.00	0.00	0.48	9.91	2.50
87.00	13.00	0.00	0.00	0.48	9.91	2.50
88.00	13.00	0.00	0.00	0.48	9.91	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
89.00	13.00	0.00	0.00	0.48	9.91	2.50
90.00	13.00	0.00	0.00	0.48	9.91	2.50
91.00	13.00	0.00	0.00	0.48	9.91	2.50
92.00	13.00	0.00	0.00	0.48	9.91	2.50
93.00	13.00	0.00	0.00	0.48	9.91	2.50
94.00	13.00	0.00	0.00	0.48	9.91	2.50
95.00	13.00	0.00	0.00	0.48	9.91	2.50
96.00	13.00	0.00	0.00	0.48	9.91	2.50

Structure: 2

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 9.5 ft NGVD, Off Elev = 9.5 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.06	0.00	0.00	0.00	2.50	2.50
2.00	0.12	0.00	0.00	0.00	2.50	2.50
3.00	0.17	0.00	0.00	0.00	2.50	2.50
4.00	0.23	0.00	0.00	0.00	2.50	2.50
5.00	0.29	0.00	0.00	0.00	2.50	2.50
6.00	0.35	0.00	0.00	0.00	2.51	2.50
7.00	0.41	0.00	0.00	0.00	2.53	2.50
8.00	0.47	0.01	0.00	0.00	2.57	2.50
9.00	0.52	0.01	0.00	0.00	2.63	2.50
10.00	0.58	0.01	0.00	0.00	2.70	2.50
11.00	0.64	0.01	0.00	0.00	2.78	2.50
12.00	0.70	0.01	0.00	0.00	2.88	2.50
13.00	0.76	0.02	0.00	0.00	2.98	2.50
14.00	0.81	0.02	0.00	0.00	3.09	2.50
15.00	0.87	0.02	0.00	0.00	3.22	2.50
16.00	0.93	0.02	0.00	0.00	3.35	2.50
17.00	0.99	0.02	0.00	0.00	3.48	2.50
18.00	1.05	0.02	0.00	0.00	3.62	2.50
19.00	1.11	0.02	0.00	0.00	3.77	2.50
20.00	1.16	0.02	0.00	0.00	3.93	2.50
21.00	1.22	0.02	0.00	0.00	4.09	2.50
22.00	1.28	0.02	0.00	0.00	4.25	2.50
23.00	1.34	0.02	0.00	0.00	4.42	2.50
24.00	1.40	0.02	0.00	0.00	4.59	2.50
25.00	1.48	0.04	0.00	0.00	4.84	2.50
26.00	1.57	0.04	0.00	0.00	5.10	2.50
27.00	1.65	0.04	0.00	0.00	5.38	2.50
28.00	1.74	0.04	0.00	0.00	5.66	2.50
29.00	1.82	0.04	0.00	0.00	5.94	2.50
30.00	1.91	0.04	0.00	0.00	6.23	2.50
31.00	1.99	0.04	0.00	0.00	6.53	2.50
32.00	2.08	0.04	0.00	0.00	6.82	2.50
33.00	2.16	0.04	0.00	0.00	7.13	2.50
34.00	2.25	0.04	0.00	0.00	7.43	2.50
35.00	2.33	0.04	0.00	0.00	7.75	2.50
36.00	2.42	0.04	0.00	0.00	8.06	2.50
37.00	2.50	0.05	0.00	0.00	8.38	2.50
38.00	2.59	0.05	0.00	0.00	8.70	2.50
39.00	2.67	0.05	0.00	0.00	9.02	2.50
40.00	2.75	0.05	0.00	0.00	9.34	2.50
41.00	2.84	0.05	0.00	0.00	9.67	2.50
42.00	2.92	0.05	0.00	0.00	10.00	2.50
43.00	3.01	0.05	0.00	0.00	10.33	2.50
44.00	3.09	0.05	0.00	0.00	10.66	2.50
45.00	3.18	0.05	0.00	0.00	11.00	2.50
46.00	3.26	0.05	0.00	0.00	11.07	2.50
47.00	3.35	0.05	0.00	0.00	11.13	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
48.00	3.43	0.05	0.00	0.00	11.20	2.50
49.00	3.53	0.05	0.00	0.00	7.30	2.50
50.00	3.63	0.06	0.00	0.00	7.69	2.50
51.00	3.74	0.07	0.00	0.00	8.14	2.50
52.00	3.86	0.08	0.00	0.00	8.63	2.50
53.00	4.03	0.10	0.00	0.00	9.27	2.50
54.00	4.23	0.12	0.00	0.00	10.07	2.50
55.00	4.47	0.15	0.00	0.00	11.01	2.50
56.00	4.74	0.17	0.00	0.00	9.62	2.50
57.00	5.07	0.21	0.00	0.00	8.40	2.50
58.00	5.47	0.25	0.00	0.00	10.05	2.50
59.00	6.01	0.37	0.00	0.00	9.65	2.50
60.00	9.71	3.85	0.28	0.01	9.97	2.50
61.00	10.77	0.48	0.00	0.01	10.09	2.50
62.00	11.26	0.28	0.28	0.02	9.73	2.50
63.00	11.57	0.18	0.00	0.02	8.46	2.50
64.00	11.85	0.18	0.00	0.02	9.72	2.50
65.00	12.02	0.11	0.00	0.02	10.57	2.50
66.00	12.20	0.11	0.00	0.02	11.06	2.50
67.00	12.37	0.11	0.00	0.02	11.21	2.50
68.00	12.54	0.11	0.00	0.02	7.76	2.50
69.00	12.66	0.07	0.00	0.02	8.31	2.50
70.00	12.77	0.07	0.00	0.02	8.81	2.50
71.00	12.89	0.07	0.00	0.02	9.32	2.50
72.00	13.00	0.07	0.00	0.02	9.83	2.50
73.00	13.00	0.00	0.00	0.02	9.91	2.50
74.00	13.00	0.00	0.00	0.02	9.91	2.50
75.00	13.00	0.00	0.00	0.02	9.91	2.50
76.00	13.00	0.00	0.00	0.02	9.91	2.50
77.00	13.00	0.00	0.00	0.02	9.91	2.50
78.00	13.00	0.00	0.00	0.02	9.91	2.50
79.00	13.00	0.00	0.00	0.02	9.91	2.50
80.00	13.00	0.00	0.00	0.02	9.91	2.50
81.00	13.00	0.00	0.00	0.02	9.91	2.50
82.00	13.00	0.00	0.00	0.02	9.91	2.50
83.00	13.00	0.00	0.00	0.02	9.91	2.50
84.00	13.00	0.00	0.00	0.02	9.91	2.50
85.00	13.00	0.00	0.00	0.02	9.91	2.50
86.00	13.00	0.00	0.00	0.02	9.91	2.50
87.00	13.00	0.00	0.00	0.02	9.91	2.50
88.00	13.00	0.00	0.00	0.02	9.91	2.50
89.00	13.00	0.00	0.00	0.02	9.91	2.50
90.00	13.00	0.00	0.00	0.02	9.91	2.50
91.00	13.00	0.00	0.00	0.02	9.91	2.50
92.00	13.00	0.00	0.00	0.02	9.91	2.50
93.00	13.00	0.00	0.00	0.02	9.91	2.50
94.00	13.00	0.00	0.00	0.02	9.91	2.50
95.00	13.00	0.00	0.00	0.02	9.91	2.50
96.00	13.00	0.00	0.00	0.02	9.91	2.50

Structure: 3

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 10 ft NGVD, Off Elev = 10 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.06	0.00	0.00	0.00	2.50	2.50
2.00	0.12	0.00	0.00	0.00	2.50	2.50
3.00	0.17	0.00	0.00	0.00	2.50	2.50
4.00	0.23	0.00	0.00	0.00	2.50	2.50
5.00	0.29	0.00	0.00	0.00	2.50	2.50
6.00	0.35	0.00	0.00	0.00	2.51	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
7.00	0.41	0.00	0.00	0.00	2.53	2.50
8.00	0.47	0.01	0.00	0.00	2.57	2.50
9.00	0.52	0.01	0.00	0.00	2.63	2.50
10.00	0.58	0.01	0.00	0.00	2.70	2.50
11.00	0.64	0.01	0.00	0.00	2.78	2.50
12.00	0.70	0.01	0.00	0.00	2.88	2.50
13.00	0.76	0.02	0.00	0.00	2.98	2.50
14.00	0.81	0.02	0.00	0.00	3.09	2.50
15.00	0.87	0.02	0.00	0.00	3.22	2.50
16.00	0.93	0.02	0.00	0.00	3.35	2.50
17.00	0.99	0.02	0.00	0.00	3.48	2.50
18.00	1.05	0.02	0.00	0.00	3.62	2.50
19.00	1.11	0.02	0.00	0.00	3.77	2.50
20.00	1.16	0.02	0.00	0.00	3.93	2.50
21.00	1.22	0.02	0.00	0.00	4.09	2.50
22.00	1.28	0.02	0.00	0.00	4.25	2.50
23.00	1.34	0.02	0.00	0.00	4.42	2.50
24.00	1.40	0.02	0.00	0.00	4.59	2.50
25.00	1.48	0.04	0.00	0.00	4.84	2.50
26.00	1.57	0.04	0.00	0.00	5.10	2.50
27.00	1.65	0.04	0.00	0.00	5.38	2.50
28.00	1.74	0.04	0.00	0.00	5.66	2.50
29.00	1.82	0.04	0.00	0.00	5.94	2.50
30.00	1.91	0.04	0.00	0.00	6.23	2.50
31.00	1.99	0.04	0.00	0.00	6.53	2.50
32.00	2.08	0.04	0.00	0.00	6.82	2.50
33.00	2.16	0.04	0.00	0.00	7.13	2.50
34.00	2.25	0.04	0.00	0.00	7.43	2.50
35.00	2.33	0.04	0.00	0.00	7.75	2.50
36.00	2.42	0.04	0.00	0.00	8.06	2.50
37.00	2.50	0.05	0.00	0.00	8.38	2.50
38.00	2.59	0.05	0.00	0.00	8.70	2.50
39.00	2.67	0.05	0.00	0.00	9.02	2.50
40.00	2.75	0.05	0.00	0.00	9.34	2.50
41.00	2.84	0.05	0.00	0.00	9.67	2.50
42.00	2.92	0.05	0.00	0.00	10.00	2.50
43.00	3.01	0.05	0.00	0.00	10.33	2.50
44.00	3.09	0.05	0.00	0.00	10.66	2.50
45.00	3.18	0.05	0.00	0.00	11.00	2.50
46.00	3.26	0.05	0.00	0.00	11.07	2.50
47.00	3.35	0.05	0.00	0.00	11.13	2.50
48.00	3.43	0.05	0.00	0.00	11.20	2.50
49.00	3.53	0.05	0.00	0.00	7.30	2.50
50.00	3.63	0.06	0.00	0.00	7.69	2.50
51.00	3.74	0.07	0.00	0.00	8.14	2.50
52.00	3.86	0.08	0.00	0.00	8.63	2.50
53.00	4.03	0.10	0.00	0.00	9.27	2.50
54.00	4.23	0.12	0.00	0.00	10.07	2.50
55.00	4.47	0.15	0.00	0.00	11.01	2.50
56.00	4.74	0.17	0.00	0.00	9.62	2.50
57.00	5.07	0.21	0.00	0.00	8.40	2.50
58.00	5.47	0.25	0.00	0.00	10.05	2.50
59.00	6.01	0.37	0.00	0.00	9.65	2.50
60.00	9.71	3.85	0.00	0.00	9.97	2.50
61.00	10.77	0.48	0.00	0.01	10.09	2.50
62.00	11.26	0.28	0.00	0.01	9.73	2.50
63.00	11.57	0.18	0.00	0.01	8.46	2.50
64.00	11.85	0.18	0.00	0.01	9.72	2.50
65.00	12.02	0.11	0.00	0.01	10.57	2.50
66.00	12.20	0.11	0.00	0.01	11.06	2.50
67.00	12.37	0.11	0.00	0.01	11.21	2.50
68.00	12.54	0.11	0.00	0.01	7.76	2.50
69.00	12.66	0.07	0.00	0.01	8.31	2.50
70.00	12.77	0.07	0.00	0.01	8.81	2.50
71.00	12.89	0.07	0.00	0.01	9.32	2.50
72.00	13.00	0.07	0.00	0.01	9.83	2.50
73.00	13.00	0.00	0.00	0.01	9.91	2.50
74.00	13.00	0.00	0.00	0.01	9.91	2.50
75.00	13.00	0.00	0.00	0.01	9.91	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
76.00	13.00	0.00	0.00	0.01	9.91	2.50
77.00	13.00	0.00	0.00	0.01	9.91	2.50
78.00	13.00	0.00	0.00	0.01	9.91	2.50
79.00	13.00	0.00	0.00	0.01	9.91	2.50
80.00	13.00	0.00	0.00	0.01	9.91	2.50
81.00	13.00	0.00	0.00	0.01	9.91	2.50
82.00	13.00	0.00	0.00	0.01	9.91	2.50
83.00	13.00	0.00	0.00	0.01	9.91	2.50
84.00	13.00	0.00	0.00	0.01	9.91	2.50
85.00	13.00	0.00	0.00	0.01	9.91	2.50
86.00	13.00	0.00	0.00	0.01	9.91	2.50
87.00	13.00	0.00	0.00	0.01	9.91	2.50
88.00	13.00	0.00	0.00	0.01	9.91	2.50
89.00	13.00	0.00	0.00	0.01	9.91	2.50
90.00	13.00	0.00	0.00	0.01	9.91	2.50
91.00	13.00	0.00	0.00	0.01	9.91	2.50
92.00	13.00	0.00	0.00	0.01	9.91	2.50
93.00	13.00	0.00	0.00	0.01	9.91	2.50
94.00	13.00	0.00	0.00	0.01	9.91	2.50
95.00	13.00	0.00	0.00	0.01	9.91	2.50
96.00	13.00	0.00	0.00	0.01	9.91	2.50

Structure: 4

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 10.5 ft NGVD, Off Elev = 10.5 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.06	0.00	0.00	0.00	2.50	2.50
2.00	0.12	0.00	0.00	0.00	2.50	2.50
3.00	0.17	0.00	0.00	0.00	2.50	2.50
4.00	0.23	0.00	0.00	0.00	2.50	2.50
5.00	0.29	0.00	0.00	0.00	2.50	2.50
6.00	0.35	0.00	0.00	0.00	2.51	2.50
7.00	0.41	0.00	0.00	0.00	2.53	2.50
8.00	0.47	0.01	0.00	0.00	2.57	2.50
9.00	0.52	0.01	0.00	0.00	2.63	2.50
10.00	0.58	0.01	0.00	0.00	2.70	2.50
11.00	0.64	0.01	0.00	0.00	2.78	2.50
12.00	0.70	0.01	0.00	0.00	2.88	2.50
13.00	0.76	0.02	0.00	0.00	2.98	2.50
14.00	0.81	0.02	0.00	0.00	3.09	2.50
15.00	0.87	0.02	0.00	0.00	3.22	2.50
16.00	0.93	0.02	0.00	0.00	3.35	2.50
17.00	0.99	0.02	0.00	0.00	3.48	2.50
18.00	1.05	0.02	0.00	0.00	3.62	2.50
19.00	1.11	0.02	0.00	0.00	3.77	2.50
20.00	1.16	0.02	0.00	0.00	3.93	2.50
21.00	1.22	0.02	0.00	0.00	4.09	2.50
22.00	1.28	0.02	0.00	0.00	4.25	2.50
23.00	1.34	0.02	0.00	0.00	4.42	2.50
24.00	1.40	0.02	0.00	0.00	4.59	2.50
25.00	1.48	0.04	0.00	0.00	4.84	2.50
26.00	1.57	0.04	0.00	0.00	5.10	2.50
27.00	1.65	0.04	0.00	0.00	5.38	2.50
28.00	1.74	0.04	0.00	0.00	5.66	2.50
29.00	1.82	0.04	0.00	0.00	5.94	2.50
30.00	1.91	0.04	0.00	0.00	6.23	2.50
31.00	1.99	0.04	0.00	0.00	6.53	2.50
32.00	2.08	0.04	0.00	0.00	6.82	2.50
33.00	2.16	0.04	0.00	0.00	7.13	2.50
34.00	2.25	0.04	0.00	0.00	7.43	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
35.00	2.33	0.04	0.00	0.00	7.75	2.50
36.00	2.42	0.04	0.00	0.00	8.06	2.50
37.00	2.50	0.05	0.00	0.00	8.38	2.50
38.00	2.59	0.05	0.00	0.00	8.70	2.50
39.00	2.67	0.05	0.00	0.00	9.02	2.50
40.00	2.75	0.05	0.00	0.00	9.34	2.50
41.00	2.84	0.05	0.00	0.00	9.67	2.50
42.00	2.92	0.05	0.00	0.00	10.00	2.50
43.00	3.01	0.05	0.00	0.00	10.33	2.50
44.00	3.09	0.05	0.00	0.00	10.66	2.50
45.00	3.18	0.05	0.00	0.00	11.00	2.50
46.00	3.26	0.05	0.00	0.00	11.07	2.50
47.00	3.35	0.05	0.00	0.00	11.13	2.50
48.00	3.43	0.05	0.00	0.00	11.20	2.50
49.00	3.53	0.05	0.00	0.00	7.30	2.50
50.00	3.63	0.06	0.00	0.00	7.69	2.50
51.00	3.74	0.07	0.00	0.00	8.14	2.50
52.00	3.86	0.08	0.00	0.00	8.63	2.50
53.00	4.03	0.10	0.00	0.00	9.27	2.50
54.00	4.23	0.12	0.00	0.00	10.07	2.50
55.00	4.47	0.15	0.00	0.00	11.01	2.50
56.00	4.74	0.17	0.00	0.00	9.62	2.50
57.00	5.07	0.21	0.00	0.00	8.40	2.50
58.00	5.47	0.25	0.00	0.00	10.05	2.50
59.00	6.01	0.37	0.00	0.00	9.65	2.50
60.00	9.71	3.85	0.00	0.00	9.97	2.50
61.00	10.77	0.48	0.00	0.00	10.09	2.50
62.00	11.26	0.28	0.00	0.00	9.73	2.50
63.00	11.57	0.18	0.00	0.00	8.46	2.50
64.00	11.85	0.18	0.00	0.00	9.72	2.50
65.00	12.02	0.11	0.00	0.00	10.57	2.50
66.00	12.20	0.11	0.00	0.00	11.06	2.50
67.00	12.37	0.11	0.00	0.00	11.21	2.50
68.00	12.54	0.11	0.00	0.00	7.76	2.50
69.00	12.66	0.07	0.00	0.00	8.31	2.50
70.00	12.77	0.07	0.00	0.00	8.81	2.50
71.00	12.89	0.07	0.00	0.00	9.32	2.50
72.00	13.00	0.07	0.00	0.00	9.83	2.50
73.00	13.00	0.00	0.00	0.00	9.91	2.50
74.00	13.00	0.00	0.00	0.00	9.91	2.50
75.00	13.00	0.00	0.00	0.00	9.91	2.50
76.00	13.00	0.00	0.00	0.00	9.91	2.50
77.00	13.00	0.00	0.00	0.00	9.91	2.50
78.00	13.00	0.00	0.00	0.00	9.91	2.50
79.00	13.00	0.00	0.00	0.00	9.91	2.50
80.00	13.00	0.00	0.00	0.00	9.91	2.50
81.00	13.00	0.00	0.00	0.00	9.91	2.50
82.00	13.00	0.00	0.00	0.00	9.91	2.50
83.00	13.00	0.00	0.00	0.00	9.91	2.50
84.00	13.00	0.00	0.00	0.00	9.91	2.50
85.00	13.00	0.00	0.00	0.00	9.91	2.50
86.00	13.00	0.00	0.00	0.00	9.91	2.50
87.00	13.00	0.00	0.00	0.00	9.91	2.50
88.00	13.00	0.00	0.00	0.00	9.91	2.50
89.00	13.00	0.00	0.00	0.00	9.91	2.50
90.00	13.00	0.00	0.00	0.00	9.91	2.50
91.00	13.00	0.00	0.00	0.00	9.91	2.50
92.00	13.00	0.00	0.00	0.00	9.91	2.50
93.00	13.00	0.00	0.00	0.00	9.91	2.50
94.00	13.00	0.00	0.00	0.00	9.91	2.50
95.00	13.00	0.00	0.00	0.00	9.91	2.50
96.00	13.00	0.00	0.00	0.00	9.91	2.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	3.62	48.40	0.00	0.00

2	0.28	59.80	0.00	0.00
3	0.28	59.80	0.00	0.00
4	0.28	59.80	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Site	11.21	67.00	2.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Site	0.60	0.00	0.51	0.00	0.09	0.00

**ALL ELEVATIONS REFER TO THE
NAVD DATUM**

100Y - 72H

FLOOD ROUTING

Project Name: 2327 Lincoln Street Townhomes

Reviewer:

Project Number:

Period Begin: Jan 01, 2000;0000 hr End: Jan 05, 2000;0000 hr Duration: 96 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 100 year

3 Day Rainfall: 16 inches

Area: 0.63 acres

Ground Storage: 1.46 inches

Time of Concentration: 0.15 hours

Initial Stage: 2.5 ft NGVD

ALL ELEVATIONS REFER TO THE
NAVD DATUM

Stage (ft NGVD)	Storage (acre-ft)
2.50	0.00
11.00	0.10
11.50	0.13
12.00	0.21
12.50	0.31
13.00	0.50
13.50	0.69
14.00	0.89

Offsite Receiving Body: Offsite1

Time (hr)	Stage (ft NGVD)
0.00	2.50
24.00	2.50
72.00	2.50
96.00	2.50

Structure: 1

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 9 ft NGVD, Off Elev = 9 ft NGVD, Capacity = 1625 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.07	0.00	0.00	0.00	2.50	2.50
2.00	0.14	0.00	0.00	0.00	2.50	2.50
3.00	0.21	0.00	0.00	0.00	2.50	2.50
4.00	0.29	0.00	0.00	0.00	2.50	2.50
5.00	0.36	0.00	0.00	0.00	2.51	2.50
6.00	0.43	0.01	0.00	0.00	2.54	2.50
7.00	0.50	0.01	0.00	0.00	2.60	2.50
8.00	0.57	0.01	0.00	0.00	2.69	2.50
9.00	0.64	0.02	0.00	0.00	2.79	2.50
10.00	0.72	0.02	0.00	0.00	2.90	2.50
11.00	0.79	0.02	0.00	0.00	3.04	2.50
12.00	0.86	0.02	0.00	0.00	3.18	2.50
13.00	0.93	0.02	0.00	0.00	3.34	2.50
14.00	1.00	0.02	0.00	0.00	3.51	2.50
15.00	1.07	0.03	0.00	0.00	3.69	2.50
16.00	1.15	0.03	0.00	0.00	3.87	2.50
17.00	1.22	0.03	0.00	0.00	4.07	2.50
18.00	1.29	0.03	0.00	0.00	4.27	2.50
19.00	1.36	0.03	0.00	0.00	4.48	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
20.00	1.43	0.03	0.00	0.00	4.69	2.50
21.00	1.50	0.03	0.00	0.00	4.91	2.50
22.00	1.58	0.03	0.00	0.00	5.14	2.50
23.00	1.65	0.03	0.00	0.00	5.37	2.50
24.00	1.72	0.03	0.00	0.00	5.61	2.50
25.00	1.82	0.05	0.00	0.00	5.94	2.50
26.00	1.93	0.05	0.00	0.00	6.29	2.50
27.00	2.03	0.05	0.00	0.00	6.66	2.50
28.00	2.14	0.05	0.00	0.00	7.03	2.50
29.00	2.24	0.05	0.00	0.00	7.41	2.50
30.00	2.35	0.05	0.00	0.00	7.79	2.50
31.00	2.45	0.06	0.00	0.00	8.18	2.50
32.00	2.55	0.06	0.00	0.00	8.57	2.50
33.00	2.66	0.06	0.00	0.00	8.96	2.50
34.00	2.76	0.06	0.00	0.00	9.36	2.50
35.00	2.87	0.06	0.00	0.00	9.77	2.50
36.00	2.97	0.06	0.00	0.00	10.17	2.50
37.00	3.08	0.06	0.00	0.00	10.58	2.50
38.00	3.18	0.06	0.00	0.00	10.99	2.50
39.00	3.29	0.06	0.00	0.00	11.08	2.50
40.00	3.39	0.06	0.00	0.00	11.16	2.50
41.00	3.50	0.06	0.00	0.06	7.16	2.50
42.00	3.60	0.06	0.00	0.06	7.58	2.50
43.00	3.70	0.06	0.00	0.06	8.00	2.50
44.00	3.81	0.06	0.00	0.06	8.43	2.50
45.00	3.91	0.06	0.00	0.06	8.85	2.50
46.00	4.02	0.06	0.00	0.06	9.28	2.50
47.00	4.12	0.06	0.00	0.06	9.71	2.50
48.00	4.23	0.06	0.00	0.06	10.14	2.50
49.00	4.34	0.07	0.00	0.06	10.62	2.50
50.00	4.46	0.07	0.00	0.06	11.02	2.50
51.00	4.60	0.08	0.00	0.06	11.13	2.50
52.00	4.76	0.10	0.00	0.12	7.22	2.50
53.00	4.96	0.13	0.00	0.12	8.02	2.50
54.00	5.20	0.16	0.00	0.12	9.03	2.50
55.00	5.50	0.18	0.00	0.12	10.24	2.50
56.00	5.84	0.21	0.00	0.12	11.13	2.50
57.00	6.24	0.26	0.00	0.18	7.84	2.50
58.00	6.73	0.32	0.00	0.18	9.90	2.50
59.00	7.39	0.46	3.62	0.24	9.83	2.50
60.00	11.95	4.78	3.62	0.36	11.28	2.50
61.00	13.26	0.59	0.00	0.48	7.99	2.50
62.00	13.86	0.34	0.00	0.48	10.94	2.50
63.00	14.23	0.22	0.00	0.54	7.27	2.50
64.00	14.59	0.22	0.00	0.54	8.83	2.50
65.00	14.80	0.13	0.00	0.54	9.88	2.50
66.00	15.01	0.13	0.00	0.54	10.82	2.50
67.00	15.22	0.13	0.00	0.54	11.15	2.50
68.00	15.43	0.13	0.00	0.60	7.21	2.50
69.00	15.58	0.09	0.00	0.60	7.89	2.50
70.00	15.72	0.09	0.00	0.60	8.52	2.50
71.00	15.86	0.09	0.00	0.60	9.14	2.50
72.00	16.00	0.09	0.00	0.60	9.77	2.50
73.00	16.00	0.00	0.00	0.60	9.88	2.50
74.00	16.00	0.00	0.00	0.60	9.88	2.50
75.00	16.00	0.00	0.00	0.60	9.88	2.50
76.00	16.00	0.00	0.00	0.60	9.88	2.50
77.00	16.00	0.00	0.00	0.60	9.88	2.50
78.00	16.00	0.00	0.00	0.60	9.88	2.50
79.00	16.00	0.00	0.00	0.60	9.88	2.50
80.00	16.00	0.00	0.00	0.60	9.88	2.50
81.00	16.00	0.00	0.00	0.60	9.88	2.50
82.00	16.00	0.00	0.00	0.60	9.88	2.50
83.00	16.00	0.00	0.00	0.60	9.88	2.50
84.00	16.00	0.00	0.00	0.60	9.88	2.50
85.00	16.00	0.00	0.00	0.60	9.88	2.50
86.00	16.00	0.00	0.00	0.60	9.88	2.50
87.00	16.00	0.00	0.00	0.60	9.88	2.50
88.00	16.00	0.00	0.00	0.60	9.88	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
89.00	16.00	0.00	0.00	0.60	9.88	2.50
90.00	16.00	0.00	0.00	0.60	9.88	2.50
91.00	16.00	0.00	0.00	0.60	9.88	2.50
92.00	16.00	0.00	0.00	0.60	9.88	2.50
93.00	16.00	0.00	0.00	0.60	9.88	2.50
94.00	16.00	0.00	0.00	0.60	9.88	2.50
95.00	16.00	0.00	0.00	0.60	9.88	2.50
96.00	16.00	0.00	0.00	0.60	9.88	2.50

Structure: 2

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 9.5 ft NGVD, Off Elev = 9.5 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.07	0.00	0.00	0.00	2.50	2.50
2.00	0.14	0.00	0.00	0.00	2.50	2.50
3.00	0.21	0.00	0.00	0.00	2.50	2.50
4.00	0.29	0.00	0.00	0.00	2.50	2.50
5.00	0.36	0.00	0.00	0.00	2.51	2.50
6.00	0.43	0.01	0.00	0.00	2.54	2.50
7.00	0.50	0.01	0.00	0.00	2.60	2.50
8.00	0.57	0.01	0.00	0.00	2.69	2.50
9.00	0.64	0.02	0.00	0.00	2.79	2.50
10.00	0.72	0.02	0.00	0.00	2.90	2.50
11.00	0.79	0.02	0.00	0.00	3.04	2.50
12.00	0.86	0.02	0.00	0.00	3.18	2.50
13.00	0.93	0.02	0.00	0.00	3.34	2.50
14.00	1.00	0.02	0.00	0.00	3.51	2.50
15.00	1.07	0.03	0.00	0.00	3.69	2.50
16.00	1.15	0.03	0.00	0.00	3.87	2.50
17.00	1.22	0.03	0.00	0.00	4.07	2.50
18.00	1.29	0.03	0.00	0.00	4.27	2.50
19.00	1.36	0.03	0.00	0.00	4.48	2.50
20.00	1.43	0.03	0.00	0.00	4.69	2.50
21.00	1.50	0.03	0.00	0.00	4.91	2.50
22.00	1.58	0.03	0.00	0.00	5.14	2.50
23.00	1.65	0.03	0.00	0.00	5.37	2.50
24.00	1.72	0.03	0.00	0.00	5.61	2.50
25.00	1.82	0.05	0.00	0.00	5.94	2.50
26.00	1.93	0.05	0.00	0.00	6.29	2.50
27.00	2.03	0.05	0.00	0.00	6.66	2.50
28.00	2.14	0.05	0.00	0.00	7.03	2.50
29.00	2.24	0.05	0.00	0.00	7.41	2.50
30.00	2.35	0.05	0.00	0.00	7.79	2.50
31.00	2.45	0.06	0.00	0.00	8.18	2.50
32.00	2.55	0.06	0.00	0.00	8.57	2.50
33.00	2.66	0.06	0.00	0.00	8.96	2.50
34.00	2.76	0.06	0.00	0.00	9.36	2.50
35.00	2.87	0.06	0.00	0.00	9.77	2.50
36.00	2.97	0.06	0.00	0.00	10.17	2.50
37.00	3.08	0.06	0.00	0.00	10.58	2.50
38.00	3.18	0.06	0.00	0.00	10.99	2.50
39.00	3.29	0.06	0.00	0.00	11.08	2.50
40.00	3.39	0.06	0.00	0.00	11.16	2.50
41.00	3.50	0.06	0.00	0.00	7.16	2.50
42.00	3.60	0.06	0.00	0.00	7.58	2.50
43.00	3.70	0.06	0.00	0.00	8.00	2.50
44.00	3.81	0.06	0.00	0.00	8.43	2.50
45.00	3.91	0.06	0.00	0.00	8.85	2.50
46.00	4.02	0.06	0.00	0.00	9.28	2.50
47.00	4.12	0.06	0.00	0.00	9.71	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
48.00	4.23	0.06	0.00	0.00	10.14	2.50
49.00	4.34	0.07	0.00	0.00	10.62	2.50
50.00	4.46	0.07	0.00	0.00	11.02	2.50
51.00	4.60	0.08	0.00	0.00	11.13	2.50
52.00	4.76	0.10	0.00	0.00	7.22	2.50
53.00	4.96	0.13	0.00	0.00	8.02	2.50
54.00	5.20	0.16	0.00	0.00	9.03	2.50
55.00	5.50	0.18	0.00	0.00	10.24	2.50
56.00	5.84	0.21	0.00	0.00	11.13	2.50
57.00	6.24	0.26	0.00	0.00	7.84	2.50
58.00	6.73	0.32	0.00	0.00	9.90	2.50
59.00	7.39	0.46	0.28	0.01	9.83	2.50
60.00	11.95	4.78	0.28	0.02	11.28	2.50
61.00	13.26	0.59	0.00	0.03	7.99	2.50
62.00	13.86	0.34	0.00	0.03	10.94	2.50
63.00	14.23	0.22	0.00	0.03	7.27	2.50
64.00	14.59	0.22	0.00	0.03	8.83	2.50
65.00	14.80	0.13	0.00	0.03	9.88	2.50
66.00	15.01	0.13	0.00	0.03	10.82	2.50
67.00	15.22	0.13	0.00	0.03	11.15	2.50
68.00	15.43	0.13	0.00	0.04	7.21	2.50
69.00	15.58	0.09	0.00	0.04	7.89	2.50
70.00	15.72	0.09	0.00	0.04	8.52	2.50
71.00	15.86	0.09	0.00	0.04	9.14	2.50
72.00	16.00	0.09	0.00	0.04	9.77	2.50
73.00	16.00	0.00	0.00	0.04	9.88	2.50
74.00	16.00	0.00	0.00	0.04	9.88	2.50
75.00	16.00	0.00	0.00	0.04	9.88	2.50
76.00	16.00	0.00	0.00	0.04	9.88	2.50
77.00	16.00	0.00	0.00	0.04	9.88	2.50
78.00	16.00	0.00	0.00	0.04	9.88	2.50
79.00	16.00	0.00	0.00	0.04	9.88	2.50
80.00	16.00	0.00	0.00	0.04	9.88	2.50
81.00	16.00	0.00	0.00	0.04	9.88	2.50
82.00	16.00	0.00	0.00	0.04	9.88	2.50
83.00	16.00	0.00	0.00	0.04	9.88	2.50
84.00	16.00	0.00	0.00	0.04	9.88	2.50
85.00	16.00	0.00	0.00	0.04	9.88	2.50
86.00	16.00	0.00	0.00	0.04	9.88	2.50
87.00	16.00	0.00	0.00	0.04	9.88	2.50
88.00	16.00	0.00	0.00	0.04	9.88	2.50
89.00	16.00	0.00	0.00	0.04	9.88	2.50
90.00	16.00	0.00	0.00	0.04	9.88	2.50
91.00	16.00	0.00	0.00	0.04	9.88	2.50
92.00	16.00	0.00	0.00	0.04	9.88	2.50
93.00	16.00	0.00	0.00	0.04	9.88	2.50
94.00	16.00	0.00	0.00	0.04	9.88	2.50
95.00	16.00	0.00	0.00	0.04	9.88	2.50
96.00	16.00	0.00	0.00	0.04	9.88	2.50

Structure: 3

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 10 ft NGVD, Off Elev = 10 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.07	0.00	0.00	0.00	2.50	2.50
2.00	0.14	0.00	0.00	0.00	2.50	2.50
3.00	0.21	0.00	0.00	0.00	2.50	2.50
4.00	0.29	0.00	0.00	0.00	2.50	2.50
5.00	0.36	0.00	0.00	0.00	2.51	2.50
6.00	0.43	0.01	0.00	0.00	2.54	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
7.00	0.50	0.01	0.00	0.00	2.60	2.50
8.00	0.57	0.01	0.00	0.00	2.69	2.50
9.00	0.64	0.02	0.00	0.00	2.79	2.50
10.00	0.72	0.02	0.00	0.00	2.90	2.50
11.00	0.79	0.02	0.00	0.00	3.04	2.50
12.00	0.86	0.02	0.00	0.00	3.18	2.50
13.00	0.93	0.02	0.00	0.00	3.34	2.50
14.00	1.00	0.02	0.00	0.00	3.51	2.50
15.00	1.07	0.03	0.00	0.00	3.69	2.50
16.00	1.15	0.03	0.00	0.00	3.87	2.50
17.00	1.22	0.03	0.00	0.00	4.07	2.50
18.00	1.29	0.03	0.00	0.00	4.27	2.50
19.00	1.36	0.03	0.00	0.00	4.48	2.50
20.00	1.43	0.03	0.00	0.00	4.69	2.50
21.00	1.50	0.03	0.00	0.00	4.91	2.50
22.00	1.58	0.03	0.00	0.00	5.14	2.50
23.00	1.65	0.03	0.00	0.00	5.37	2.50
24.00	1.72	0.03	0.00	0.00	5.61	2.50
25.00	1.82	0.05	0.00	0.00	5.94	2.50
26.00	1.93	0.05	0.00	0.00	6.29	2.50
27.00	2.03	0.05	0.00	0.00	6.66	2.50
28.00	2.14	0.05	0.00	0.00	7.03	2.50
29.00	2.24	0.05	0.00	0.00	7.41	2.50
30.00	2.35	0.05	0.00	0.00	7.79	2.50
31.00	2.45	0.06	0.00	0.00	8.18	2.50
32.00	2.55	0.06	0.00	0.00	8.57	2.50
33.00	2.66	0.06	0.00	0.00	8.96	2.50
34.00	2.76	0.06	0.00	0.00	9.36	2.50
35.00	2.87	0.06	0.00	0.00	9.77	2.50
36.00	2.97	0.06	0.00	0.00	10.17	2.50
37.00	3.08	0.06	0.00	0.00	10.58	2.50
38.00	3.18	0.06	0.00	0.00	10.99	2.50
39.00	3.29	0.06	0.00	0.00	11.08	2.50
40.00	3.39	0.06	0.00	0.00	11.16	2.50
41.00	3.50	0.06	0.00	0.00	7.16	2.50
42.00	3.60	0.06	0.00	0.00	7.58	2.50
43.00	3.70	0.06	0.00	0.00	8.00	2.50
44.00	3.81	0.06	0.00	0.00	8.43	2.50
45.00	3.91	0.06	0.00	0.00	8.85	2.50
46.00	4.02	0.06	0.00	0.00	9.28	2.50
47.00	4.12	0.06	0.00	0.00	9.71	2.50
48.00	4.23	0.06	0.00	0.00	10.14	2.50
49.00	4.34	0.07	0.00	0.00	10.62	2.50
50.00	4.46	0.07	0.00	0.00	11.02	2.50
51.00	4.60	0.08	0.00	0.00	11.13	2.50
52.00	4.76	0.10	0.00	0.00	7.22	2.50
53.00	4.96	0.13	0.00	0.00	8.02	2.50
54.00	5.20	0.16	0.00	0.00	9.03	2.50
55.00	5.50	0.18	0.00	0.00	10.24	2.50
56.00	5.84	0.21	0.00	0.00	11.13	2.50
57.00	6.24	0.26	0.00	0.00	7.84	2.50
58.00	6.73	0.32	0.00	0.00	9.90	2.50
59.00	7.39	0.46	0.00	0.00	9.83	2.50
60.00	11.95	4.78	0.28	0.01	11.28	2.50
61.00	13.26	0.59	0.00	0.02	7.99	2.50
62.00	13.86	0.34	0.00	0.02	10.94	2.50
63.00	14.23	0.22	0.00	0.02	7.27	2.50
64.00	14.59	0.22	0.00	0.02	8.83	2.50
65.00	14.80	0.13	0.00	0.02	9.88	2.50
66.00	15.01	0.13	0.00	0.02	10.82	2.50
67.00	15.22	0.13	0.00	0.02	11.15	2.50
68.00	15.43	0.13	0.00	0.02	7.21	2.50
69.00	15.58	0.09	0.00	0.02	7.89	2.50
70.00	15.72	0.09	0.00	0.02	8.52	2.50
71.00	15.86	0.09	0.00	0.02	9.14	2.50
72.00	16.00	0.09	0.00	0.02	9.77	2.50
73.00	16.00	0.00	0.00	0.02	9.88	2.50
74.00	16.00	0.00	0.00	0.02	9.88	2.50
75.00	16.00	0.00	0.00	0.02	9.88	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
76.00	16.00	0.00	0.00	0.02	9.88	2.50
77.00	16.00	0.00	0.00	0.02	9.88	2.50
78.00	16.00	0.00	0.00	0.02	9.88	2.50
79.00	16.00	0.00	0.00	0.02	9.88	2.50
80.00	16.00	0.00	0.00	0.02	9.88	2.50
81.00	16.00	0.00	0.00	0.02	9.88	2.50
82.00	16.00	0.00	0.00	0.02	9.88	2.50
83.00	16.00	0.00	0.00	0.02	9.88	2.50
84.00	16.00	0.00	0.00	0.02	9.88	2.50
85.00	16.00	0.00	0.00	0.02	9.88	2.50
86.00	16.00	0.00	0.00	0.02	9.88	2.50
87.00	16.00	0.00	0.00	0.02	9.88	2.50
88.00	16.00	0.00	0.00	0.02	9.88	2.50
89.00	16.00	0.00	0.00	0.02	9.88	2.50
90.00	16.00	0.00	0.00	0.02	9.88	2.50
91.00	16.00	0.00	0.00	0.02	9.88	2.50
92.00	16.00	0.00	0.00	0.02	9.88	2.50
93.00	16.00	0.00	0.00	0.02	9.88	2.50
94.00	16.00	0.00	0.00	0.02	9.88	2.50
95.00	16.00	0.00	0.00	0.02	9.88	2.50
96.00	16.00	0.00	0.00	0.02	9.88	2.50

Structure: 4

From Basin: Site

To Basin: Offsite1

Structure Type: Pump

On Elev = 10.5 ft NGVD, Off Elev = 10.5 ft NGVD, Capacity = 125 gpm

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	2.50	2.50
1.00	0.07	0.00	0.00	0.00	2.50	2.50
2.00	0.14	0.00	0.00	0.00	2.50	2.50
3.00	0.21	0.00	0.00	0.00	2.50	2.50
4.00	0.29	0.00	0.00	0.00	2.50	2.50
5.00	0.36	0.00	0.00	0.00	2.51	2.50
6.00	0.43	0.01	0.00	0.00	2.54	2.50
7.00	0.50	0.01	0.00	0.00	2.60	2.50
8.00	0.57	0.01	0.00	0.00	2.69	2.50
9.00	0.64	0.02	0.00	0.00	2.79	2.50
10.00	0.72	0.02	0.00	0.00	2.90	2.50
11.00	0.79	0.02	0.00	0.00	3.04	2.50
12.00	0.86	0.02	0.00	0.00	3.18	2.50
13.00	0.93	0.02	0.00	0.00	3.34	2.50
14.00	1.00	0.02	0.00	0.00	3.51	2.50
15.00	1.07	0.03	0.00	0.00	3.69	2.50
16.00	1.15	0.03	0.00	0.00	3.87	2.50
17.00	1.22	0.03	0.00	0.00	4.07	2.50
18.00	1.29	0.03	0.00	0.00	4.27	2.50
19.00	1.36	0.03	0.00	0.00	4.48	2.50
20.00	1.43	0.03	0.00	0.00	4.69	2.50
21.00	1.50	0.03	0.00	0.00	4.91	2.50
22.00	1.58	0.03	0.00	0.00	5.14	2.50
23.00	1.65	0.03	0.00	0.00	5.37	2.50
24.00	1.72	0.03	0.00	0.00	5.61	2.50
25.00	1.82	0.05	0.00	0.00	5.94	2.50
26.00	1.93	0.05	0.00	0.00	6.29	2.50
27.00	2.03	0.05	0.00	0.00	6.66	2.50
28.00	2.14	0.05	0.00	0.00	7.03	2.50
29.00	2.24	0.05	0.00	0.00	7.41	2.50
30.00	2.35	0.05	0.00	0.00	7.79	2.50
31.00	2.45	0.06	0.00	0.00	8.18	2.50
32.00	2.55	0.06	0.00	0.00	8.57	2.50
33.00	2.66	0.06	0.00	0.00	8.96	2.50
34.00	2.76	0.06	0.00	0.00	9.36	2.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
35.00	2.87	0.06	0.00	0.00	9.77	2.50
36.00	2.97	0.06	0.00	0.00	10.17	2.50
37.00	3.08	0.06	0.00	0.00	10.58	2.50
38.00	3.18	0.06	0.00	0.00	10.99	2.50
39.00	3.29	0.06	0.00	0.00	11.08	2.50
40.00	3.39	0.06	0.00	0.00	11.16	2.50
41.00	3.50	0.06	0.00	0.00	7.16	2.50
42.00	3.60	0.06	0.00	0.00	7.58	2.50
43.00	3.70	0.06	0.00	0.00	8.00	2.50
44.00	3.81	0.06	0.00	0.00	8.43	2.50
45.00	3.91	0.06	0.00	0.00	8.85	2.50
46.00	4.02	0.06	0.00	0.00	9.28	2.50
47.00	4.12	0.06	0.00	0.00	9.71	2.50
48.00	4.23	0.06	0.00	0.00	10.14	2.50
49.00	4.34	0.07	0.00	0.00	10.62	2.50
50.00	4.46	0.07	0.00	0.00	11.02	2.50
51.00	4.60	0.08	0.00	0.00	11.13	2.50
52.00	4.76	0.10	0.00	0.00	7.22	2.50
53.00	4.96	0.13	0.00	0.00	8.02	2.50
54.00	5.20	0.16	0.00	0.00	9.03	2.50
55.00	5.50	0.18	0.00	0.00	10.24	2.50
56.00	5.84	0.21	0.00	0.00	11.13	2.50
57.00	6.24	0.26	0.00	0.00	7.84	2.50
58.00	6.73	0.32	0.00	0.00	9.90	2.50
59.00	7.39	0.46	0.00	0.00	9.83	2.50
60.00	11.95	4.78	0.28	0.01	11.28	2.50
61.00	13.26	0.59	0.00	0.01	7.99	2.50
62.00	13.86	0.34	0.00	0.01	10.94	2.50
63.00	14.23	0.22	0.00	0.01	7.27	2.50
64.00	14.59	0.22	0.00	0.01	8.83	2.50
65.00	14.80	0.13	0.00	0.01	9.88	2.50
66.00	15.01	0.13	0.00	0.01	10.82	2.50
67.00	15.22	0.13	0.00	0.01	11.15	2.50
68.00	15.43	0.13	0.00	0.01	7.21	2.50
69.00	15.58	0.09	0.00	0.01	7.89	2.50
70.00	15.72	0.09	0.00	0.01	8.52	2.50
71.00	15.86	0.09	0.00	0.01	9.14	2.50
72.00	16.00	0.09	0.00	0.01	9.77	2.50
73.00	16.00	0.00	0.00	0.01	9.88	2.50
74.00	16.00	0.00	0.00	0.01	9.88	2.50
75.00	16.00	0.00	0.00	0.01	9.88	2.50
76.00	16.00	0.00	0.00	0.01	9.88	2.50
77.00	16.00	0.00	0.00	0.01	9.88	2.50
78.00	16.00	0.00	0.00	0.01	9.88	2.50
79.00	16.00	0.00	0.00	0.01	9.88	2.50
80.00	16.00	0.00	0.00	0.01	9.88	2.50
81.00	16.00	0.00	0.00	0.01	9.88	2.50
82.00	16.00	0.00	0.00	0.01	9.88	2.50
83.00	16.00	0.00	0.00	0.01	9.88	2.50
84.00	16.00	0.00	0.00	0.01	9.88	2.50
85.00	16.00	0.00	0.00	0.01	9.88	2.50
86.00	16.00	0.00	0.00	0.01	9.88	2.50
87.00	16.00	0.00	0.00	0.01	9.88	2.50
88.00	16.00	0.00	0.00	0.01	9.88	2.50
89.00	16.00	0.00	0.00	0.01	9.88	2.50
90.00	16.00	0.00	0.00	0.01	9.88	2.50
91.00	16.00	0.00	0.00	0.01	9.88	2.50
92.00	16.00	0.00	0.00	0.01	9.88	2.50
93.00	16.00	0.00	0.00	0.01	9.88	2.50
94.00	16.00	0.00	0.00	0.01	9.88	2.50
95.00	16.00	0.00	0.00	0.01	9.88	2.50
96.00	16.00	0.00	0.00	0.01	9.88	2.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	3.62	40.80	0.00	0.00

2	0.28	56.40	0.00	0.00
3	0.28	59.80	0.00	0.00
4	0.28	59.80	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Site	11.28	60.00	2.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Site	0.75	0.00	0.67	0.00	0.09	0.00

**ALL ELEVATIONS REFER TO THE
NAVD DATUM**

