



Department of Public Utilities  
Public Utilities Administration  
Inter-Office Memorandum

**DATE:** April 18, 2022 **FILE:** PU-22-30

**TO:** Wazir Ishmael, Ph.D., City Manager

**VIA:** Adam Reichbach  
Assistant City Manager for Finance and Administration DS  
AR

**VIA:** Gus Zambrano  
Assistant City Manager for Sustainable Development DS  
GZ

**THRU:** Steve Stewart  
Assistant Director, Financial Services for Procurement DS  
SS

**FROM:** Vivek Galav, P.E.  
Director, Department of Public Utilities DS  
VG

**SUBJECT:** Recommendation to Approve the Issuance of a Purchase Order to Southeastern Engineering Contractors, Inc. for the Emergency Replacement of the Force Main Downstream of Sewer Lift Station E-4 in the lump sum amount of \$283,992.00. The Procurement Method used is Emergency Purchase in accordance with [Section 38.41 \(C\)\(1\)](#) of the Procurement Code.

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**ISSUE:**

The Department of Public Utilities has an immediate need to replace approximately 700 linear feet of a 10-inch ductile iron force main downstream of Sewer Lift Station E-4. The emergency is due to recurrent force main failures in an environmentally sensitive area. The Procurement Method used is Emergency Purchase as failure to replace presents a clear and substantial threat to property, health and public safety.

**EXPLANATION:**

The Department of Public Utilities ("Department") operates a wastewater system, which consists of collection/transmission pipes, 88 sewer lift stations, the reuse supply system within the City's corporate limits. Sewer Lift Station ("LS") E-4 is located on South 10<sup>th</sup> Avenue and abuts South Lake, please see the attached location map. The existing ductile iron force main downstream of LS E-4 was installed in 2003 and is corroded due brackish ground water. As a result, this force main has failed on five (5) occasions in 2022: January 1st, March 6th, March 25th, April 7th and 15th at different locations between South Lake Drive and Adams Street. On these occasions, temporary repairs were conducted by Department's crews, while the Department started design of the pipe replacement, please see the attached pictures.



SUBJECT: Lift Station E-4 Force Main Emergency Replacement

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Recent frequent failures of this force main and its proximity to the Intracoastal waterways is of concern due to its potential for adverse impact to the environment, public health and regulatory violations. Therefore, the Department staff determined that approximately 700 feet of this force main must be replaced immediately.

On April 8, 2022, the Department staff requested proposals for an emergency force main replacement from four (4) Contractors who have active construction contracts with the City. Below is a summary of the lump sum cost proposals:

Contractor	Lump Sum
Southeastern Engineering Contractors, Inc.	\$283,992.00
Man-Con Inc.	\$389,990.00
Lanzo Construction Co., FL	\$390,725.00
Ric-Man International Inc.	\$596,075.95

Department Staff determined that Southeastern Engineering Contractors, Inc. is experienced and capable to complete this project scope and their fee is fair and reasonable and in accordance with industry standards.

Funding has been provided in the fiscal year 2022 budget for the Department of Public Utilities in Account Number 442.409905.53600.599990.000457.000.000.

#### **AUTHORITY:**

#### **§ 38.41 COMPETITIVE SOLICITATIONS REQUIRED; EXCEPTIONS**

##### **(C)(1) Emergency purchases:**

*In urgent cases of compelling emergency that require the immediate purchase of goods, supplies, materials, equipment or services, the CPO is authorized to secure, when possible, emergency goods, supplies, materials, equipment or services by open market procedure. **All such emergency purchases must receive prior administrative approval except for the most urgent situations presenting a clear and present substantial threat to life or property where immediate action is required.***

#### **RECOMMENDATION:**

The Director of Public Utilities and Assistant Director of Financial Services for Procurement recommend that the City Manager authorizes the issuance of a purchase order to Southeastern Engineering Contractors, Inc. in an amount of \$283,992.00, for the Emergency Replacement of the Force Main Downstream of Sewer Lift Station E-4.



SUBJECT: Lift Station E-4 Force Main Emergency Replacement

April 18, 2022

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APPROVED BY:

DocuSigned by:

Wazir Ishmael

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Wazir Ishmael, Ph.D.

Date: 4/18/2022

Attachments:

Project Location

Photos

Scope of work

Cost Proposal from Southeastern Engineering Contractors, Inc.





E-04 Force Main Emergency Replacement

Project Location  
Map



## **Lift Station E-4 Force Main Emergency Replacement**

### **Picture of Repairs and the Damaged Force Main**



**A New Hole found in Pipe after the Installation of a Repair Clamp**



**Outside Lining on Pipe is corroded**



**Broken Pipe**



**Hole in the Pipe**



## **Lift Station E-4 Force Main Emergency Replacement**

### **Picture of Repairs and the Damaged Force Main**



**Wastewater Leaking from  
a Hole in the Pipe**



**Broken Pipe with Damaged  
Outer Lining**



**Section of Pipe Restored  
with a Clamp**



**Section of Pipe Restored  
with a Clamp**



## Emergency Replacement of City of Hollywood LS E-4 Force Main

### **Scope of Work**

The scope of work involves the replacement of approximately 700 LF of force main from LS E-4 (located at the edge of the intracoastal on 10<sup>th</sup> Avenue) to the existing force main valve on Adam St. New force main will be either 8-inch or 10 -inch in diameter. This work also includes the replacement of two, 6-inch plug valves on the E-4 discharge piping. LS E-4 average flow discharge is 100,000 gallons per day in dry days.

Due to the current long lead time for material procurement, City will accept any of the following materials for the new force main. Imported fittings and valves are accepted due to supply chain challenge.

- HDPE PE4710 (DR11)
- DIP Class 52, Protect 401 (poly wrapped).
- PVC C-900, DR 18, all fittings shall be ductile iron. All bolts shall be Stainless Steel 316.

The replacement of the force main, 10-inch air release valve located on 10<sup>th</sup> Avenue, just south of South Southlake Drive, must be priced separately as separate item. In case the air release valve structure cannot be installed as part of this project, a 2-inch copper connection should be installed in the new force main to allow for future air release valve installation.

Three options are proposed by City in attached sketches. City is open for other options. See attachments.

### **Notes:**

1. This is a turnkey, lump sum project. Contractor shall define their construction approach, starting date and completion schedule as part of this bid proposal.
2. Contractor selection criteria based on price and schedule.
3. Contractor is responsible for all exploratory work and utilities verification needed to complete this work safely and successfully.
4. Muck must be removed from excavation and clean fill must be brought to site and used for backfill. Muck disposal is included in this cost.
5. All labor, material, MOT, dewatering and pre-treatment and equipment cost must be included in the proposal, unless explicitly stated that owner will supply.
6. All ground water removed from excavation must be pre-treated (sedimentation tank sized in accordance to ground water flow, install filter bag prior to discharge and install floating silk barriers at intracoastal outfall. Storm drainage system must be protected and cleaned (10<sup>th</sup> Avenue from Adams St. to Outfall) once



## Emergency Replacement of City of Hollywood LS E-4 Force Main

construction activities have been completed. The cost for this work must be included Contractor's proposal. No dewatering permit is expected for this emergency maintenance project.

7. Proposal is due Tuesday, April 12, 2022.

### **Insurance Requirements**

#### **1. GENERAL LIABILITY (GL3):**

Prior to the commencement of work governed by this contract, the Contractor shall obtain General Liability Insurance. Coverage shall be maintained throughout the life of the contract and include, as a minimum:

- Premises Operations
- Products and Completed Operations
- Blanket Contractual Liability
- Personal Injury Liability

Expanded Definition of Property Damage. The minimum limits acceptable shall be:

\$1,000,000 Combined Single Limit (CSL)

If split limits are provided, the minimum limits acceptable shall be:

\$1,000,000 per Person

\$2,000,000 per Occurrence

\$100,000 Property Damage

An Occurrence Form policy is preferred. If coverage is provided on a Claims Made policy, its provisions should include coverage for claims filed on or after the effective date of this contract. In addition, the period for which claims may be reported should extend for a minimum of twelve (12) months following the acceptance of work by the City.

The City of Hollywood shall be named as Additional Insured on all policies issued to satisfy the above requirements.

#### **2. GENERAL LIABILITY (GLXCU):**



## Emergency Replacement of City of Hollywood LS E-4 Force Main

Recognizing that the work governed by this contract involves either underground exposures, explosive activities, or the possibility of collapse of a structure, the Contractor's General Liability Policy shall include coverage for the XCU (explosion, collapse, and underground) exposures with limits of liability equal to those of the General Liability Insurance policy.

### 3. VEHICLE LIABILITY (VL3):

Recognizing that the work governed by this contract requires the use of vehicles, the Contractor, prior to the commencement of work, shall obtain Vehicle Liability Insurance. Coverage shall be maintained throughout the life of the contract and include, as a minimum, liability coverage for:

➤ Owned, Non-Owned, and Hired Vehicles The minimum limits acceptable shall be:

\$1,000,000 Combined Single Limit (CSL)

If split limits are provided, the minimum limits acceptable shall be:

\$500,000 per Person

\$1,000,000 per Occurrence

\$100,000 Property Damage

The City of Hollywood shall be named as Additional Insured on all policies issued to satisfy the above requirements.

### 4. WORKERS' COMPENSATION (WC2):

Prior to the commencement of work governed by this contract, the Contractor shall obtain Workers' Compensation Insurance with limits sufficient to respond to the applicable state statutes.

In addition, the Contractor shall obtain Employers' Liability Insurance with limits of not less than:

\$500,000 Bodily Injury by Accident

\$500,000 Bodily Injury by Disease, policy limits

\$500,000 Bodily Injury by Disease, each employee

Coverage shall be maintained throughout the entire term of the contract.

### 5. POLLUTION LIABILITY INSURANCE

The minimum limits of liability shall be:



## Emergency Replacement of City of Hollywood LS E-4 Force Main

\$1,000,000 per each claim / \$2,000,000 aggregate

Coverage shall be provided by a company or companies authorized to transact business in the state of Florida and the company or companies must maintain a minimum rating of "A" and Class X, as assigned by the A.M. Best Company.

The policy must be endorsed to provide the City with (30) days' notice of cancellation.

If the Contractor has been approved by the Florida's Department of Labor, as an authorized self-insurer, the City shall recognize and honor the Contractor's status. The Contractor may be required to submit a Letter of Authorization issued by the Department of Labor and a Certificate of Insurance, providing details on the Contractor's Excess Insurance Program.

If the Contractor participates in a self-insurance fund, a Certificate of Insurance will be required. In addition, the Contractor may be required to submit updated financial statements from the fund upon request from the City.

Any sub-contractor shall supply such similar insurance required of the Consultant. Such certificates shall name the City as additional insured in the general liability and auto liability policies.

### **Schedule**

Time is of the essence.



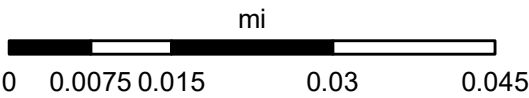
## Emergency Replacement of City of Hollywood LS E-4 Force Main

### **Appendix A. Force Main Replacement Construction Options**





# UTILITY ATLAS MAPLET



Option 1. Use VacTruck to remove sewage from MHS004133 (10th Avenue and S. Southlake Drive).



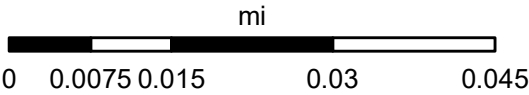
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# UTILITY ATLAS MAPLET



Option 2. Install by-pass from Lift station discharge pipe to existing valve on Adams St.



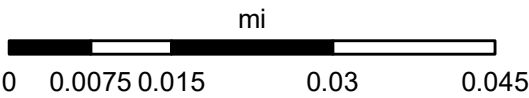
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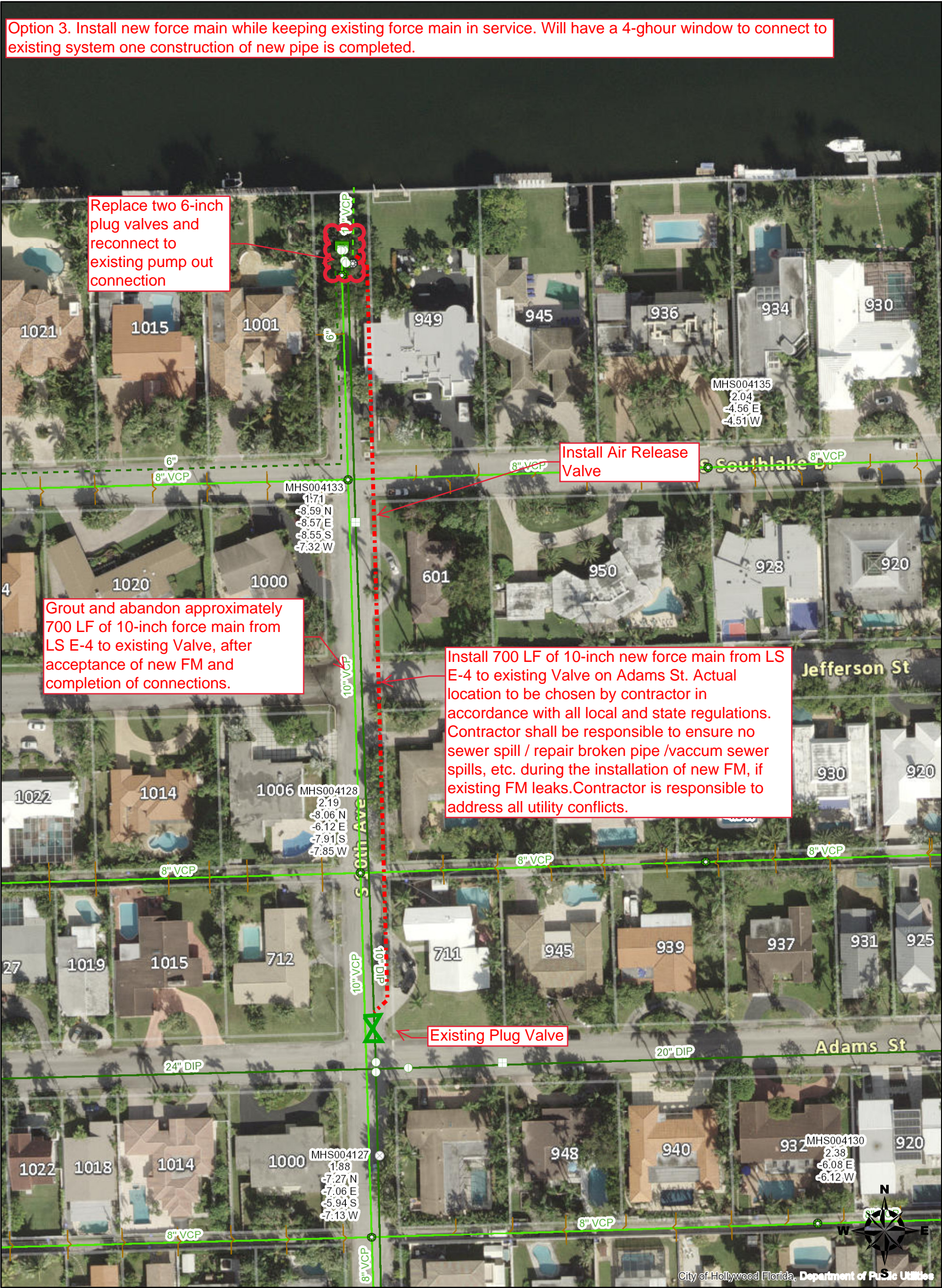




# UTILITY ATLAS MAPLET



Option 3. Install new force main while keeping existing force main in service. Will have a 4-hour window to connect to existing system one construction of new pipe is completed.



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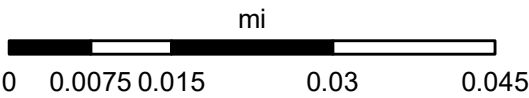
## Emergency Replacement of City of Hollywood LS E-4 Force Main

### **Appendix B. Asphalt Restoration Limits**





# UTILITY ATLAS MAPLET



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## Emergency Replacement of City of Hollywood LS E-4 Force Main

### **Appendix C. E-4 Force Main As-builts and Utility Atlas**





# LEGEND



## Brine Disposal

- bdElevation Point**
- × bdElevation Point
- bdFitting**
- bdFitting
- bdControl Valve**
- ⊞ Air Release
  - ⊞ Combination
  - Other
  - ⊞ Reduced Pressure Zone
- bdSystem Valve**
- Ball
  - Butterfly
  - Gate
- bdPump**
- ⊞ bdPump
- bdManhole**
- bdManhole
- bdMain**
- Active
  - - Abandoned
- bdCasing**
- bdCasing

## Raw Water

- rwElevation Point**
- × rwElevation Point
- rwFitting**
- rwFitting
- rwControl Valve**
- ⊞ Air Release
  - ⊞ Altitude
  - ⊞ Atmospheric Vacuum
  - ⊞ Backflow Control
  - ⊞ Blowoff
  - ⊞ Simple Check
  - Other
- rwSystem Valve**
- Butterfly
  - Gate
  - Tapping
  - Unknown Type
- rwFlow Meter**
- ⊞ rwFlow Meter
- rwPump**
- Biscayne Active
  - Biscayne Decommissioned
  - Floridan Active
  - Floridan Decommissioned
  - Floridan Proposed
- rwMain**
- Biscayne Aquifer
  - Floridan Aquifer
  - Treated Water
  - - Abandoned
- rwCasing**
- rwCasing

## Reclaim Water

- rcElevation Point**
- × rcElevation Point
- rcFitting**
- rcFitting
- rcControl Valve**
- ⊞ Air Release
  - ⊞ Backflow Control
  - ⊞ Double Check
  - ⊞ Simple Check
- rcSystem Valve**
- Ball
  - Butterfly
  - Gate
  - Tapping
  - Unknown Type
- rcMeters**
- ⊞ rcMeters
- rcPump**
- ⊞ rcPump
- rcManhole**
- rcManhole
- rcMain**
- rcMain
- rcCasing**
- rcCasing
- rcStorage Area**
- rcStorage Area
- rcIrrigation Areas**
- rcIrrigation Areas

## Potable Water

- wElevation Point**
- × wElevation Point
- wFitting**
- wFitting
- wControl Valve**
- ⊞ Air Release
  - ⊞ Altitude
  - ⊞ Backflow Control
  - ⊞ Blowoff
  - ⊞ Combination
  - ⊞ Double Check
  - ⊞ Pressure Vacuum
  - ⊞ Reduced Pressure Zone
  - ⊞ Simple Check
  - ⊞ Surge Relief
  - Other
  - Abandoned
  - ⊞ wCurbStop Valve
- wSystem Valve**
- Ball
  - Butterfly Valve
  - Gate Valve
  - Hydrant Valve
  - Plug
  - Tapping Valve
  - Other
  - Unknown Type
  - Abandoned
- wService Connection**
- ⊞ wService Connection
- wSiamese Connection**
- ⊞ wSiamese Connection
- wHydrant**
- ⊞ Active
  - ⊞ Abandoned
- wLUM Connection**
- ⊞ wLUM Connection
- wStorage Tank**
- ⊞ wStorage Tank
- wLateral Line**
- Domestic
  - Commercial
  - Hydrant
  - Fire
  - Industrial
  - Irrigation
  - Other
  - - Abandoned
- wMain**
- Transmission
  - Distribution
  - - Abandoned
- wCasing**
- wCasing

## Sanitary Sewer

- ssElevation Point**
- × ssElevation Point
- ssFitting**
- ssFitting
- ssClean Out**
- ⊞ ssClean Out
- ssControl Valve**
- ⊞ Air Release
  - ⊞ Altitude
  - ⊞ Blowoff
  - ⊞ Simple Check
  - Abandoned
- ssSystem Valve**
- Ball
  - Butterfly
  - Cone
  - Gate
  - Plug
  - Tapping
  - Unknown
  - Other, Active
  - Abandoned
- ssLateral Line**
- ssLateral Line
- ssLUMConnection**
- ⊞ ssLUMConnection
- ssGrease Trap**
- ⊞ ssGrease Trap
- ssManhole**
- Hollywood Standard
  - Hollywood Drop
  - Hollywood Conflict
  - Hollywood Junction Box
  - Hollywood Other
  - Private Standard
  - Private Pollution Control
  - Private Drop
  - Private Other
  - Abandoned
- ssDischarge Point**
- ⊞ Injection Well
  - ⊞ Ocean Outfall
- ssPump**
- ⊞ ssPump
- ssLift Station**
- Hollywood
  - Hollywood, Proposed
  - Broward County
  - Federal
  - Florida
  - Other Municipality
  - Private
  - School
  - Seminole
- ssGravity Main**
- Waste Water Effluent
  - Hollywood
  - Private
  - Central Plant Drain
  - - Abandoned
- ssPressurized Main**
- Effluent Waste Water
  - Active
  - Active Private
  - Treated Waste Water
  - Non-Potable
  - Filter Backwash / Overflow
  - - Abandoned
- ssCasing**
- ssCasing

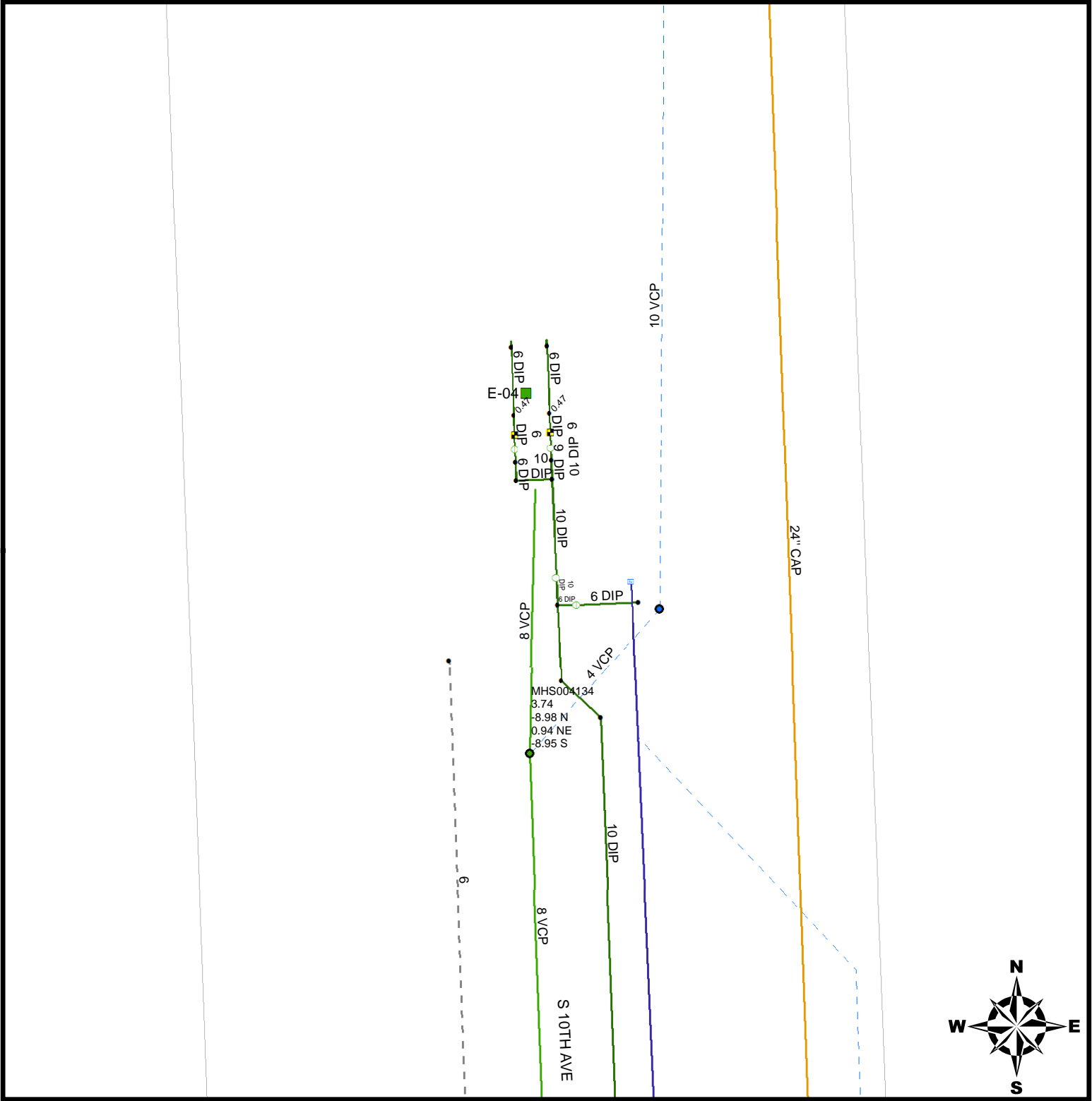
## Storm Water

- swElevation Point**
- × swElevation Point
- swFitting**
- swFitting
- swControl Valve**
- ⊞ Flap Gate
  - ⊞ Simple Check
  - ⊞ Vacuum
- swSystem Valve**
- swSystem Valve
- swCleanout**
- ⊞ swCleanout
- swWeir Structure**
- ⊞ swWeir Structure
- swDischargePoint**
- Hollywood
  - Florida
  - Other
  - ⊞ Private
  - ⊞ Seminole
  - ⊞ Abandoned
- swWell**
- swWell
- swInlet**
- Area Drain
  - ⊞ Catchbasin
  - ⊞ Conflict Inlet
  - ⊞ Curb Inlet
  - ⊞ Ditch Bottom Inlet
  - ⊞ Pollution Control
  - ⊞ Rear Yard
  - ⊞ Roof
  - ⊞ Tidal Control
  - ⊞ Other
  - ⊞ Unknown
  - Abandoned
- swManhole**
- Standard
  - ⊞ Conflict
  - ⊞ Pollution Control
  - ⊞ Junction Box
  - ⊞ Tidal Control
  - Other
  - Abandoned
- swPump**
- ⊞ swPump
- swPump Station**
- ⊞ Hollywood
  - ⊞ State
- swGravity Main**
- Hollywood
  - Private
  - - Abandoned
- swPressure Pipe**
- Hollywood
  - Private
- swCasing**
- swCasing
- swCulvert**
- swCulvert
- swDetention**
- ⊞ swDetention
- swDrainfield - Line**
- swDrainfield - Line
- swOpen Drain**
- swOpen Drain



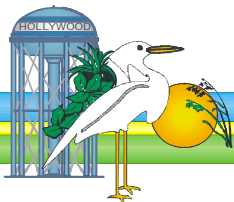


# UTILITY ATLAS MAPLET



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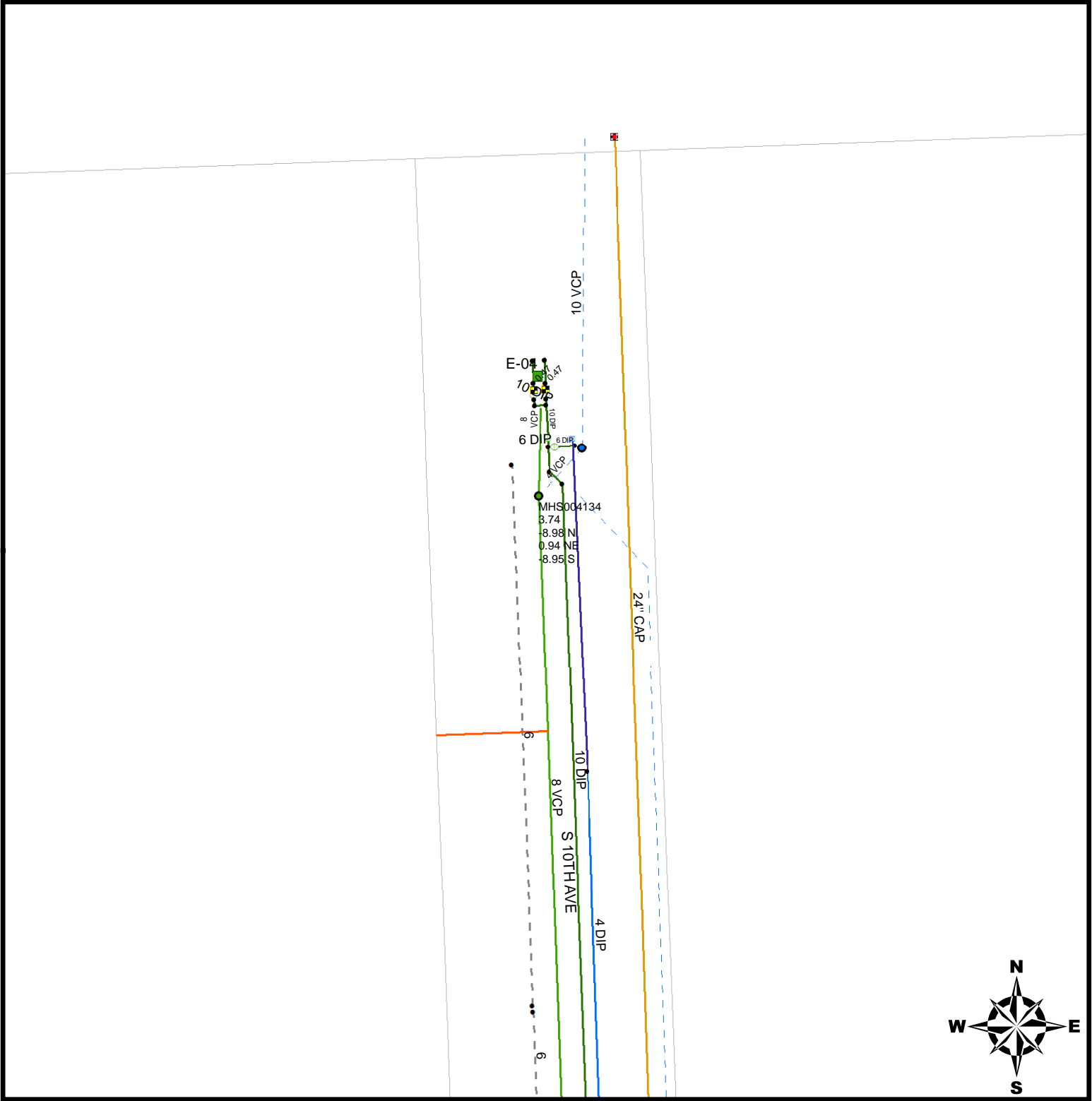
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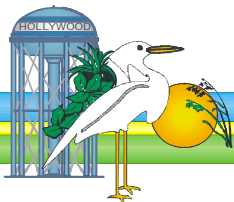


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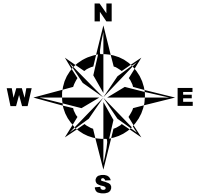
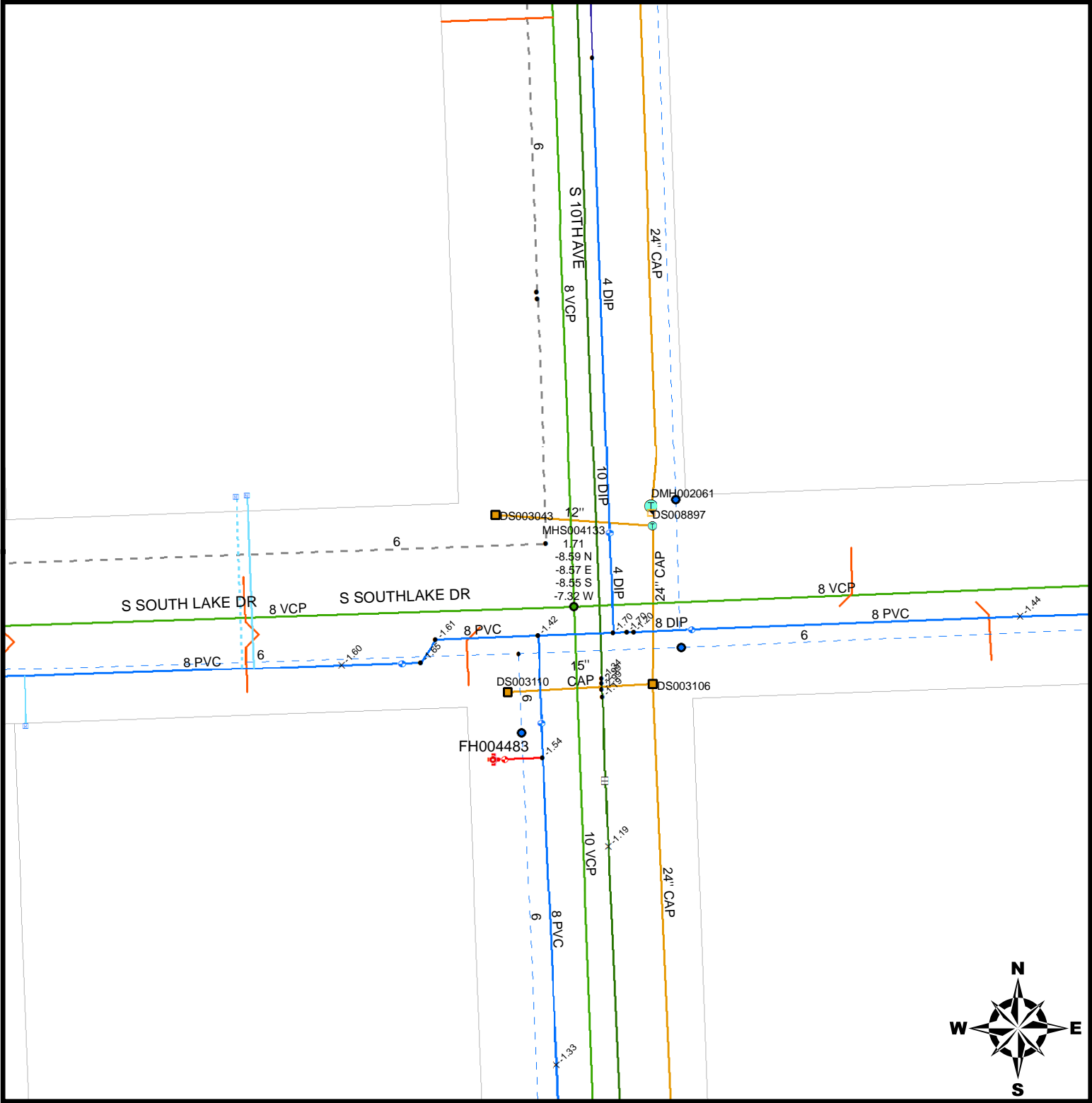
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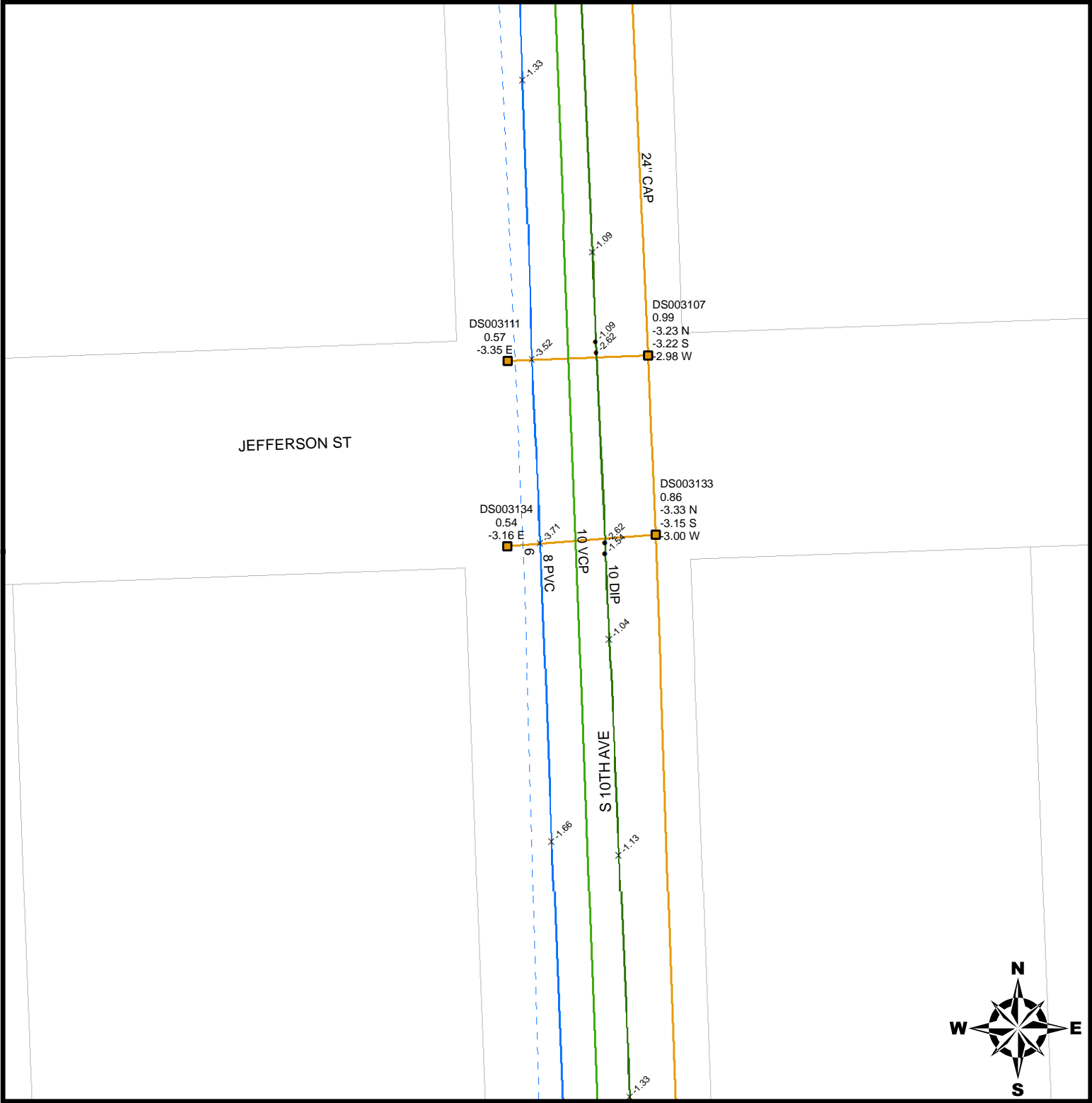
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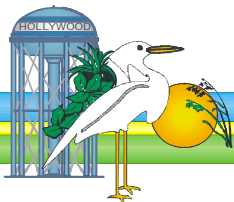


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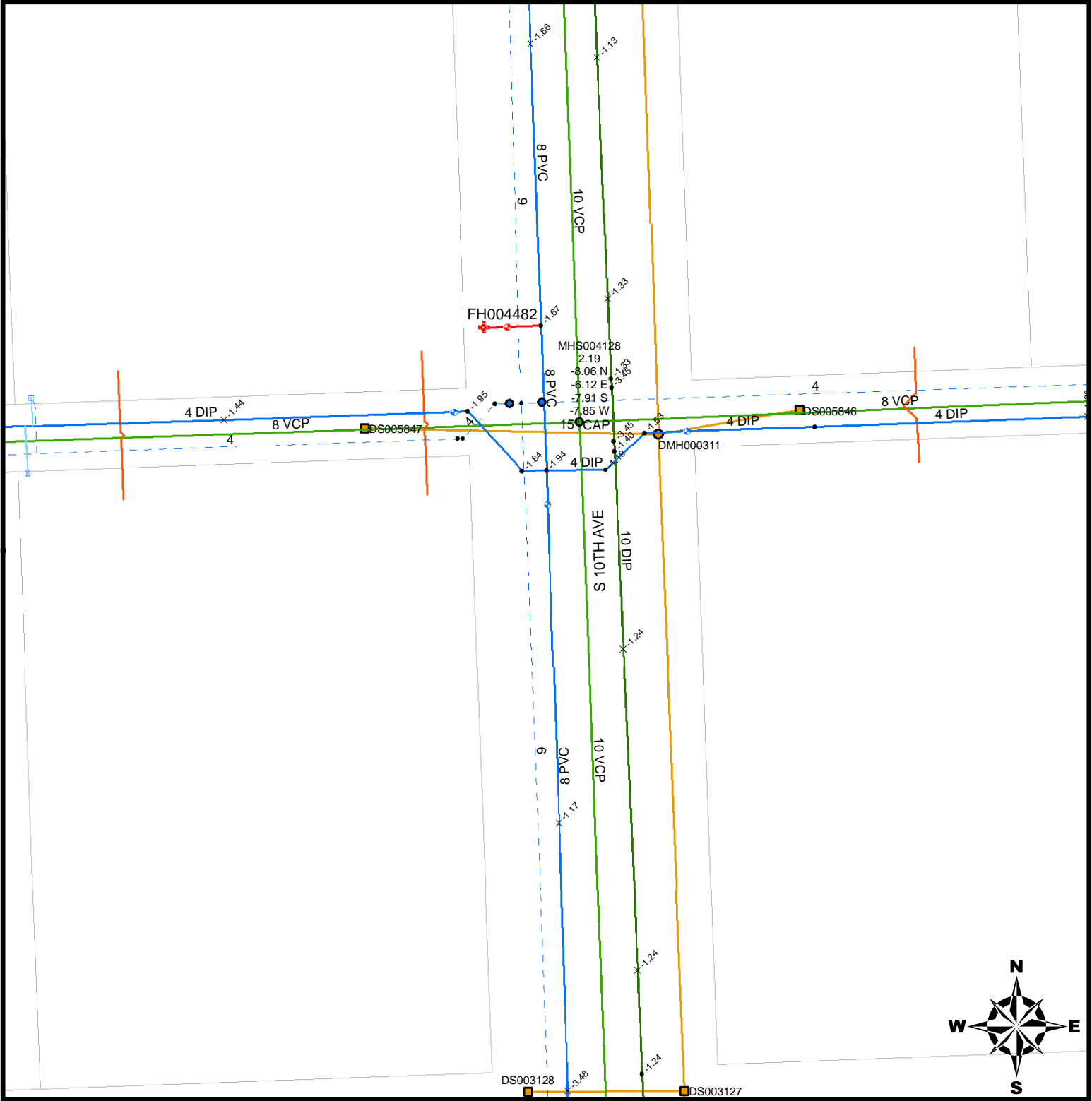
INFORMATION PROVIDED IN THIS DOCUMENT, REGARDING SITE CONDITIONS, EXISTING STRUCTURES, AND EXISTING UNDERGROUND UTILITIES IS OFFERED SOLELY AS SUPPLEMENTAL INFORMATION. IT IS THE OWNER'S RESPONSIBILITY TO ENSURE ALL DATA IS FIELD VERIFIED AS TO ELEVATION, SIZE, AND LOCATION.





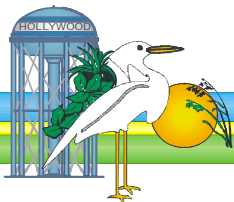


# UTILITY ATLAS MAPLET



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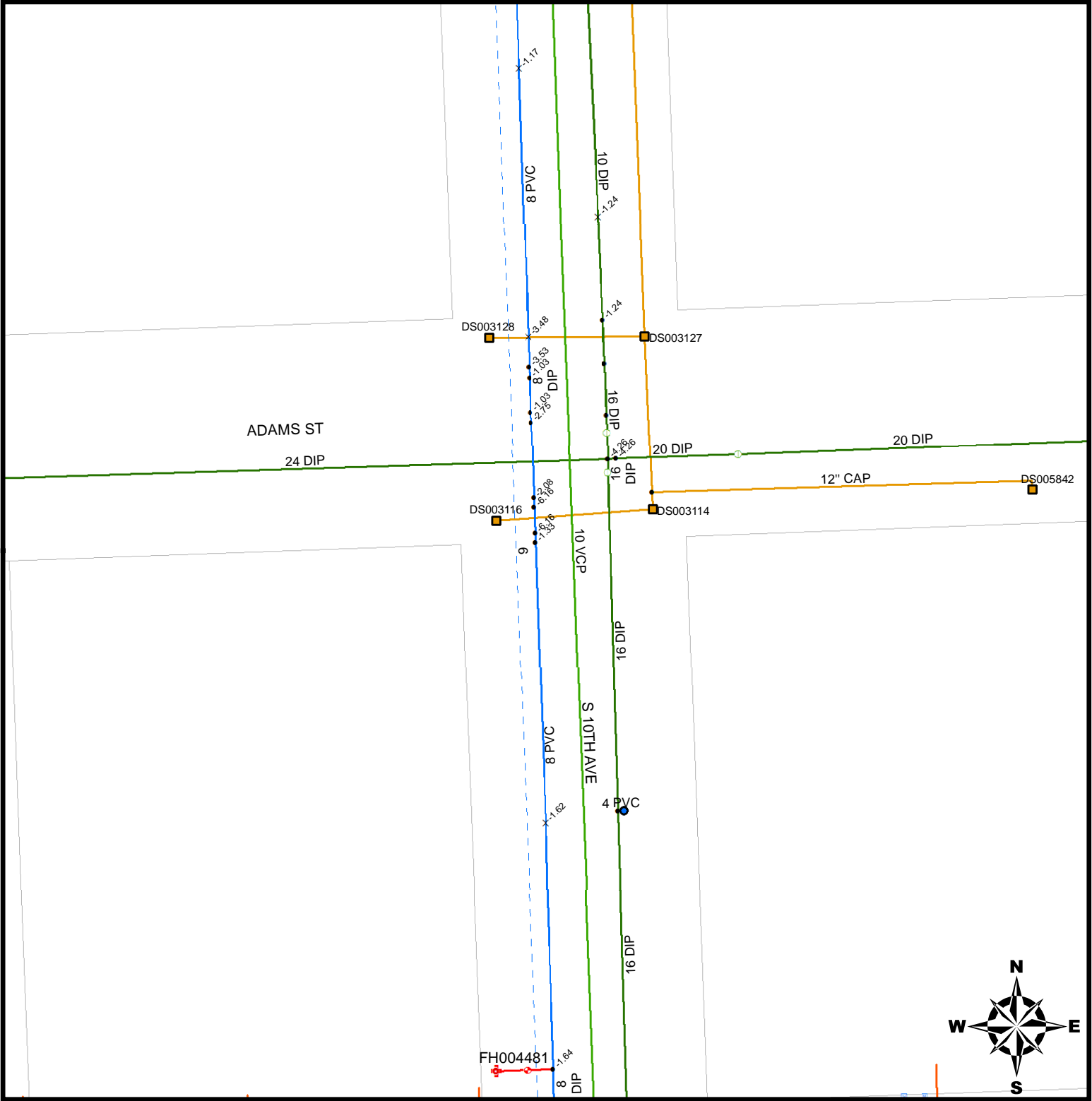
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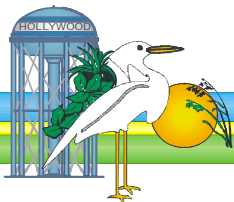


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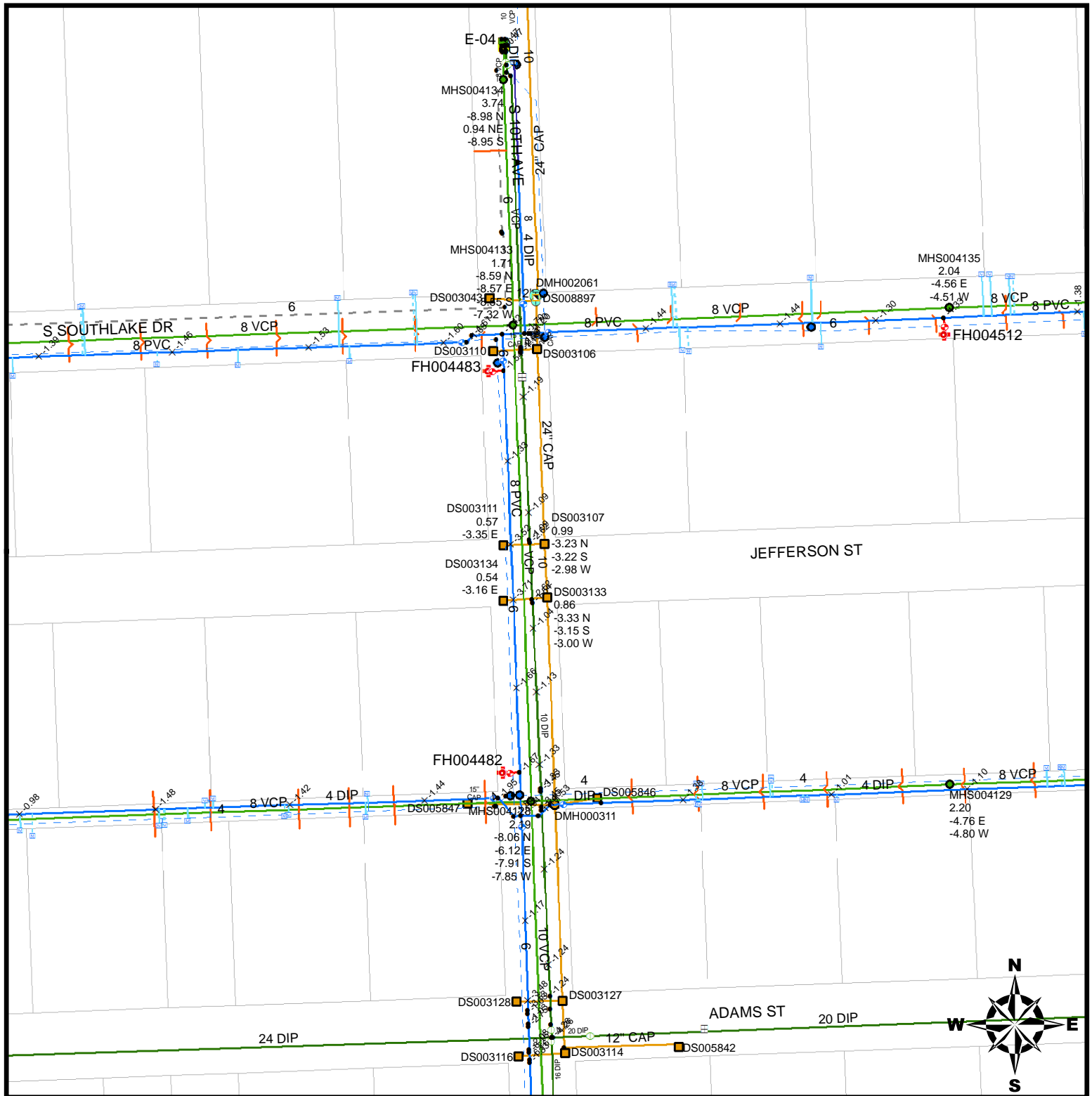






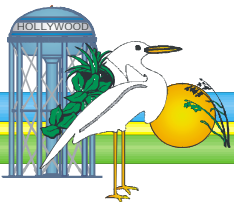
# UTILITY ATLAS MAPLET

FEET



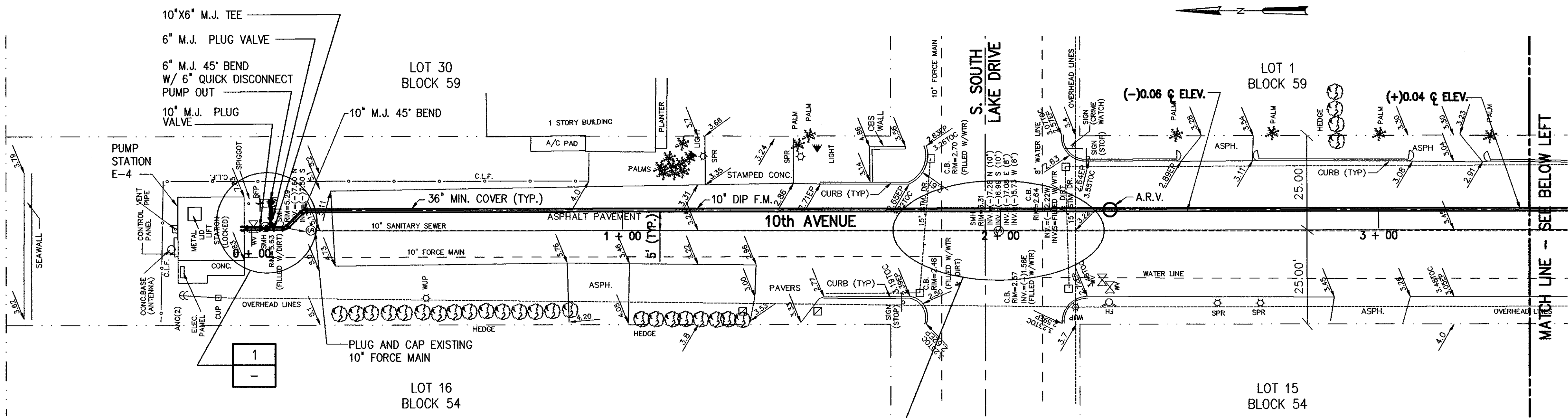
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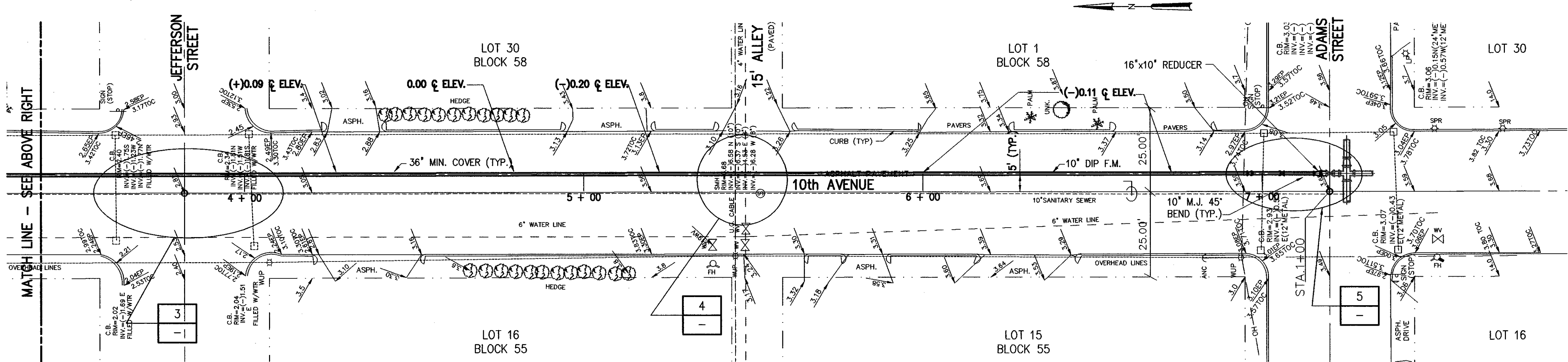




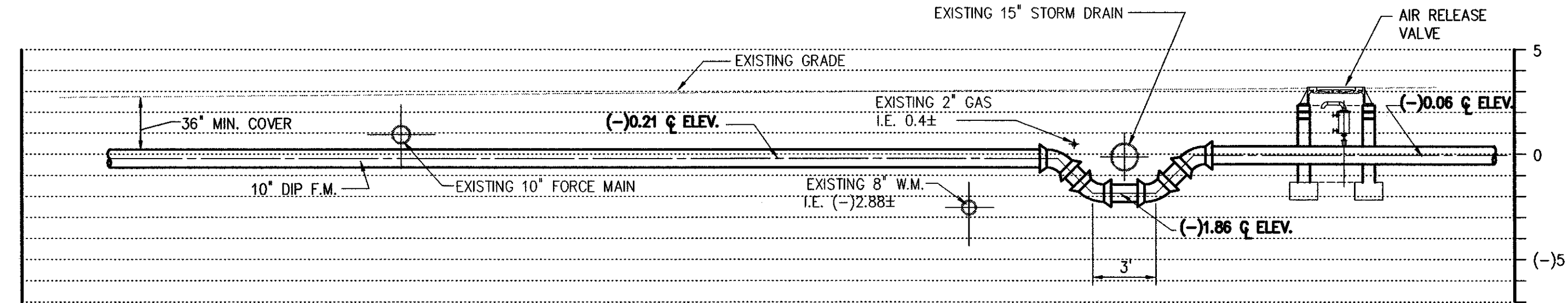
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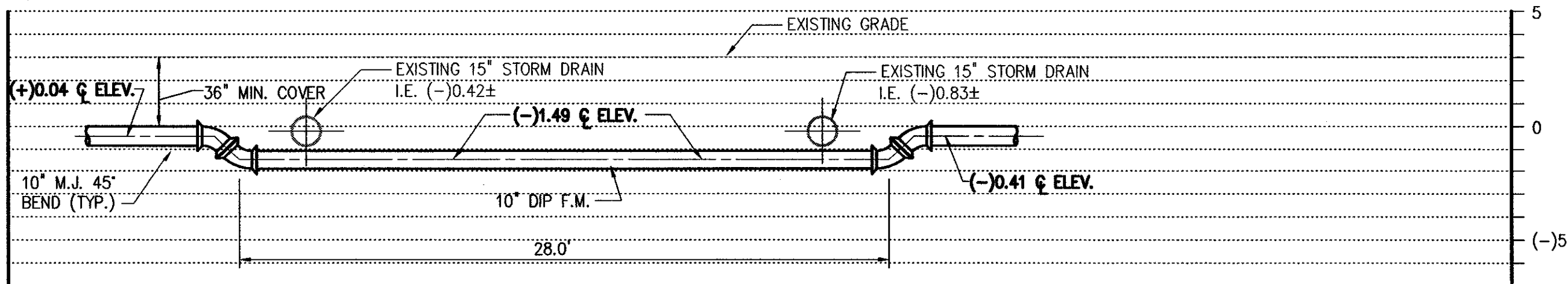
PLAN  
1"=20'



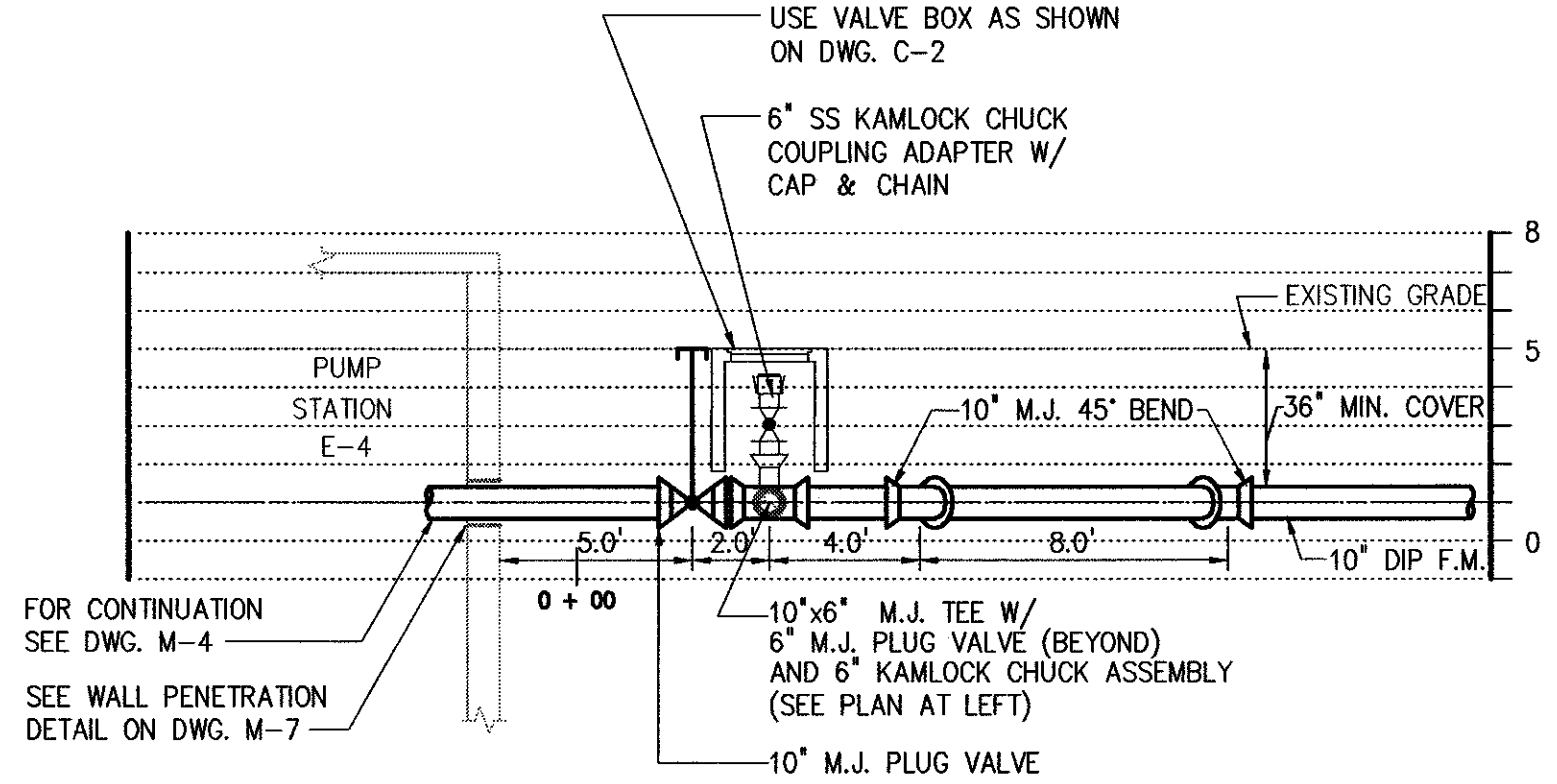
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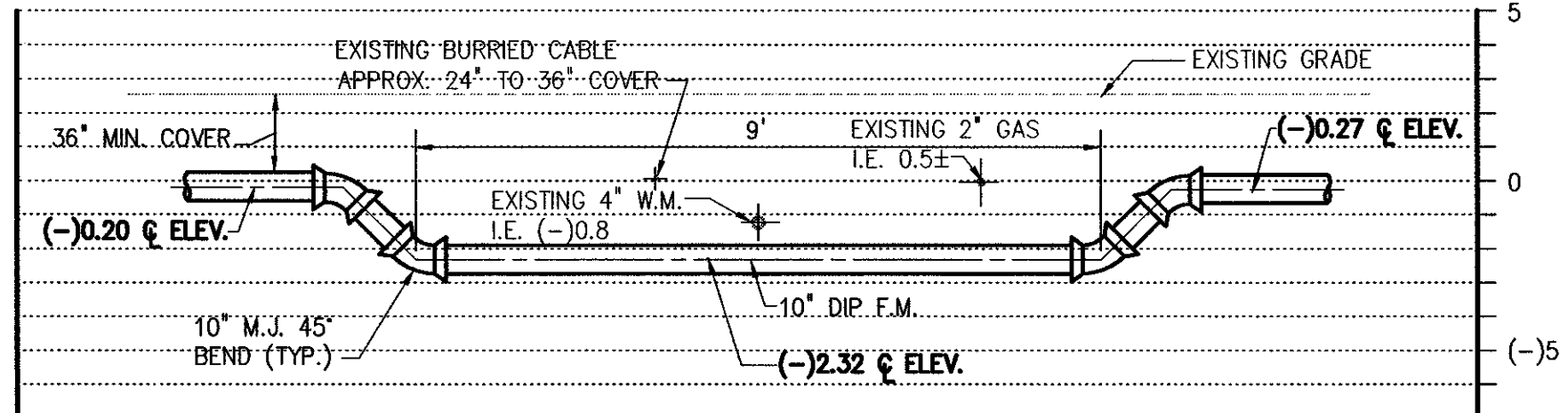
DETAIL 2  
1"=5'



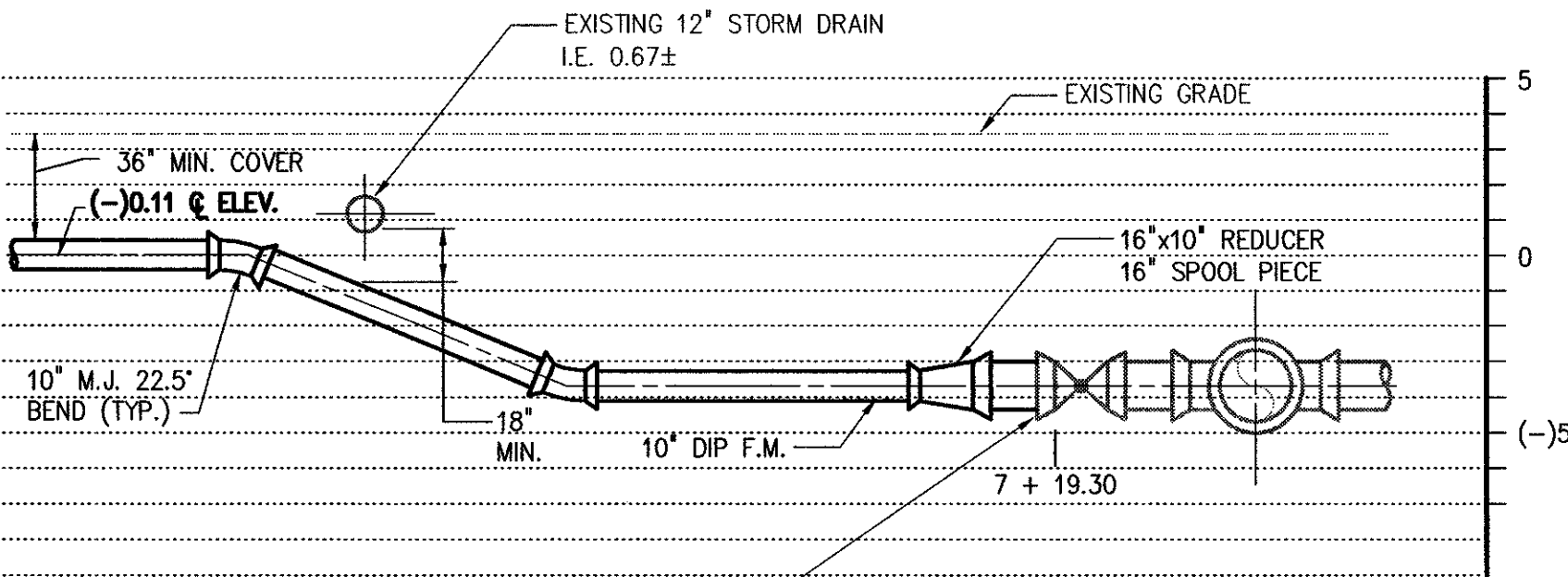
DETAIL 3  
1"=5'



DETAIL 1  
1"=5'



DETAIL 4  
1"=5'



DETAIL 5  
1"=5'

NOTE:  
ALL PIPELINE SHALL BE RESTRAINED.

# RECORD DRAWING

3	12/18/00	RECORD DRAWING	P.J.V.
2	3/11/99	AS BID	G.N.C.
1	11/6/98	BIDDING	G.N.C.
NO.	DATE	ISSUED FOR	BY

DESIGNED	G.N.C.
DRAWN	R.D.A.
CHECKED	J.A.V.
PROJ. ENGR.	G.N.C.

GLENN N. CUNNINGHAM	P.E.
No. 49048	

**Hazen and Sawyer**  
Environmental Engineers & Scientists  
4000 Hollywood Boulevard, Suite 750N  
Hollywood, Florida 33021  
(954) 987-0066

SCALE	AS NOTED
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CONTRACT:	-
CLIENTS PROJECT:	96-8513
ENGINEERS PROJECT:	8225
CAD REFERENCE:	8225C001

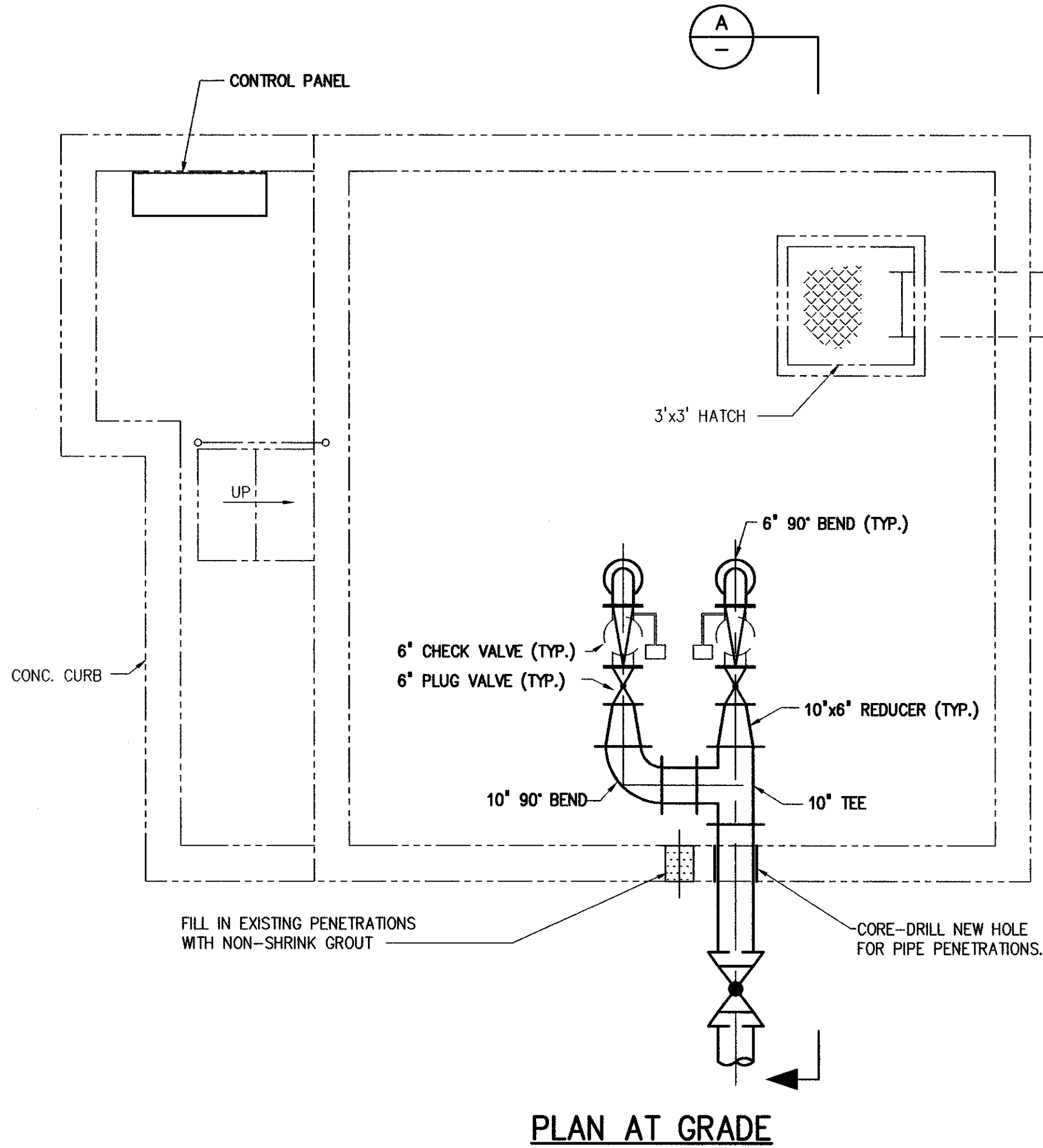
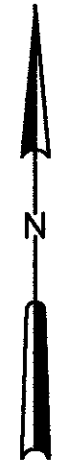


CITY OF HOLLYWOOD
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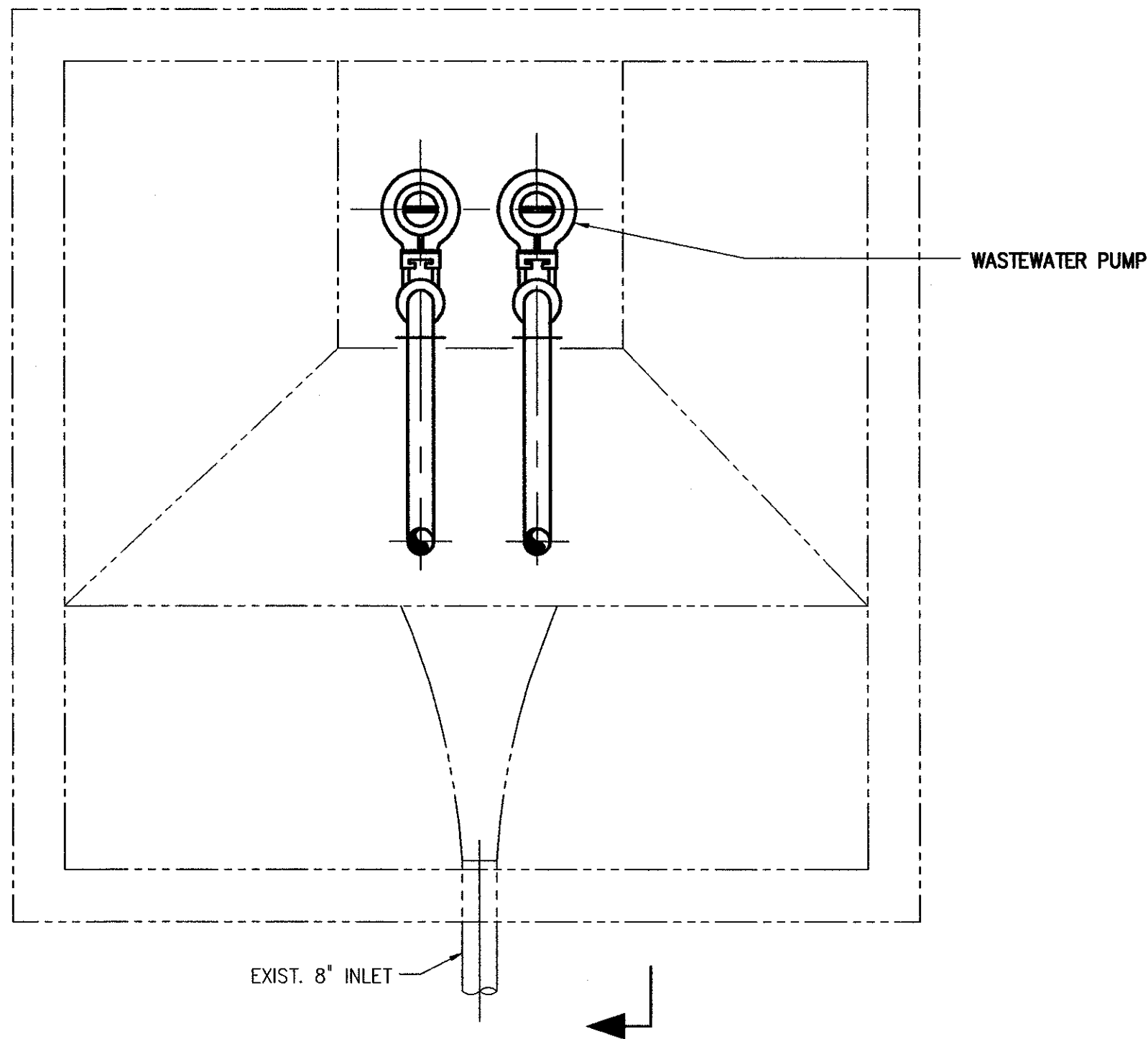
SOUTHERN REGIONAL WASTEWATER COLLECTION SYSTEM
15 TH AVENUE FORCE MAIN - PUMP STATION MODIFICATIONS (PHASE I I)
10 th AVE FORCE MAIN EXTENSION PLAN AND DETAILS

DATE:	NOVEMBER 1998
SHEET:	4 OF 26
DRAWING:	C-1

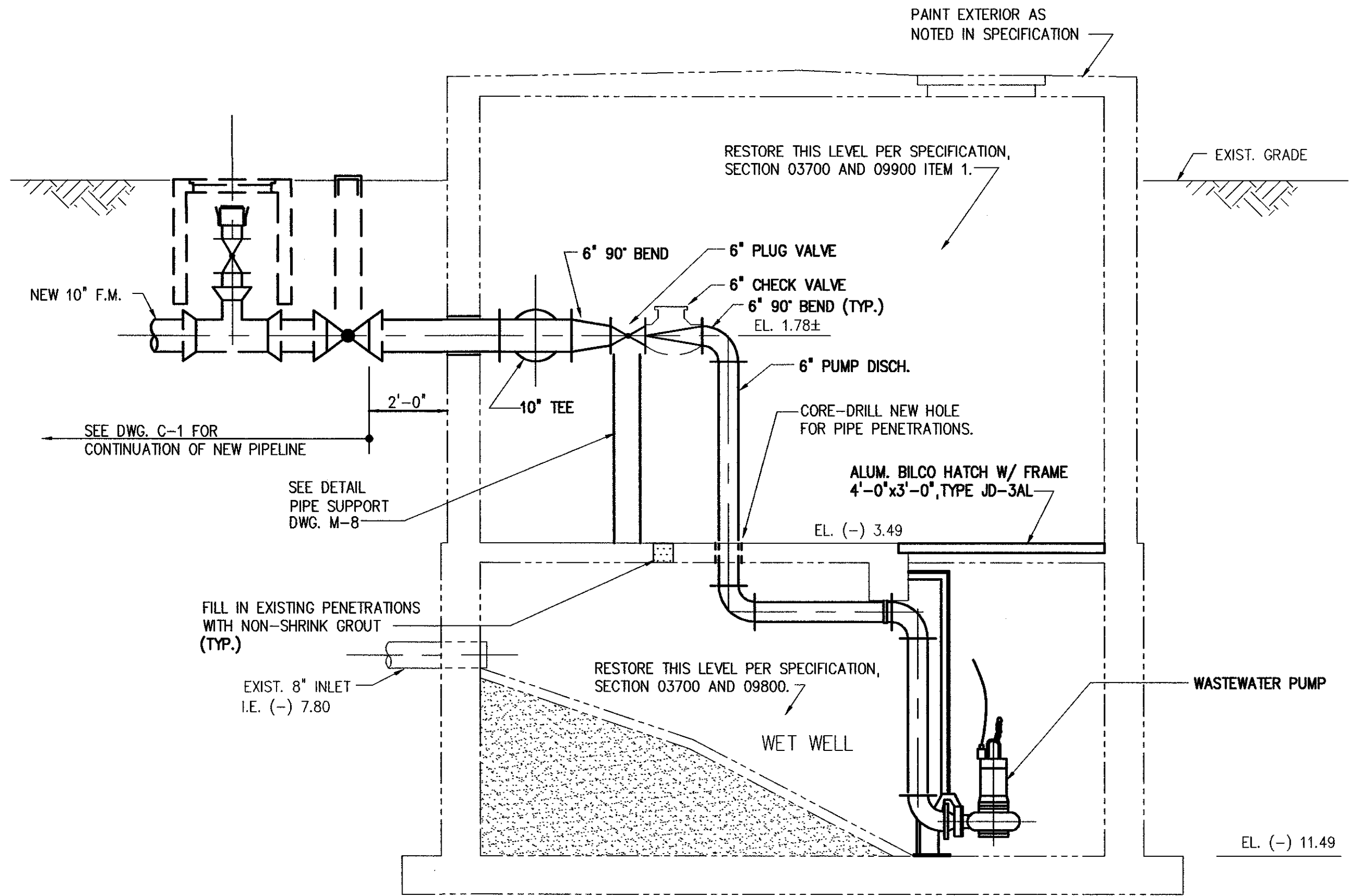




PLAN AT GRADE



PLAN BELOW GRADE



SECTION A

NOTES:


1. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS OF THE HATCH OPENING IN THE FIELD PRIOR TO FABRICATION OF THE ALUMINUM HATCH.
2. THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING AIR BUBBLER AND FLOATS AND THE EXISTING WIRING AND ELECTRICAL CONDUIT FROM PUMP MOTOR TO CONTROL PANEL. THE LOCATION OF THE EXISTING WIRING AND CONDUIT SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

LEGEND

- NEW EQUIPMENT  
- - - - - EXISTING STRUCT./EQUIP.

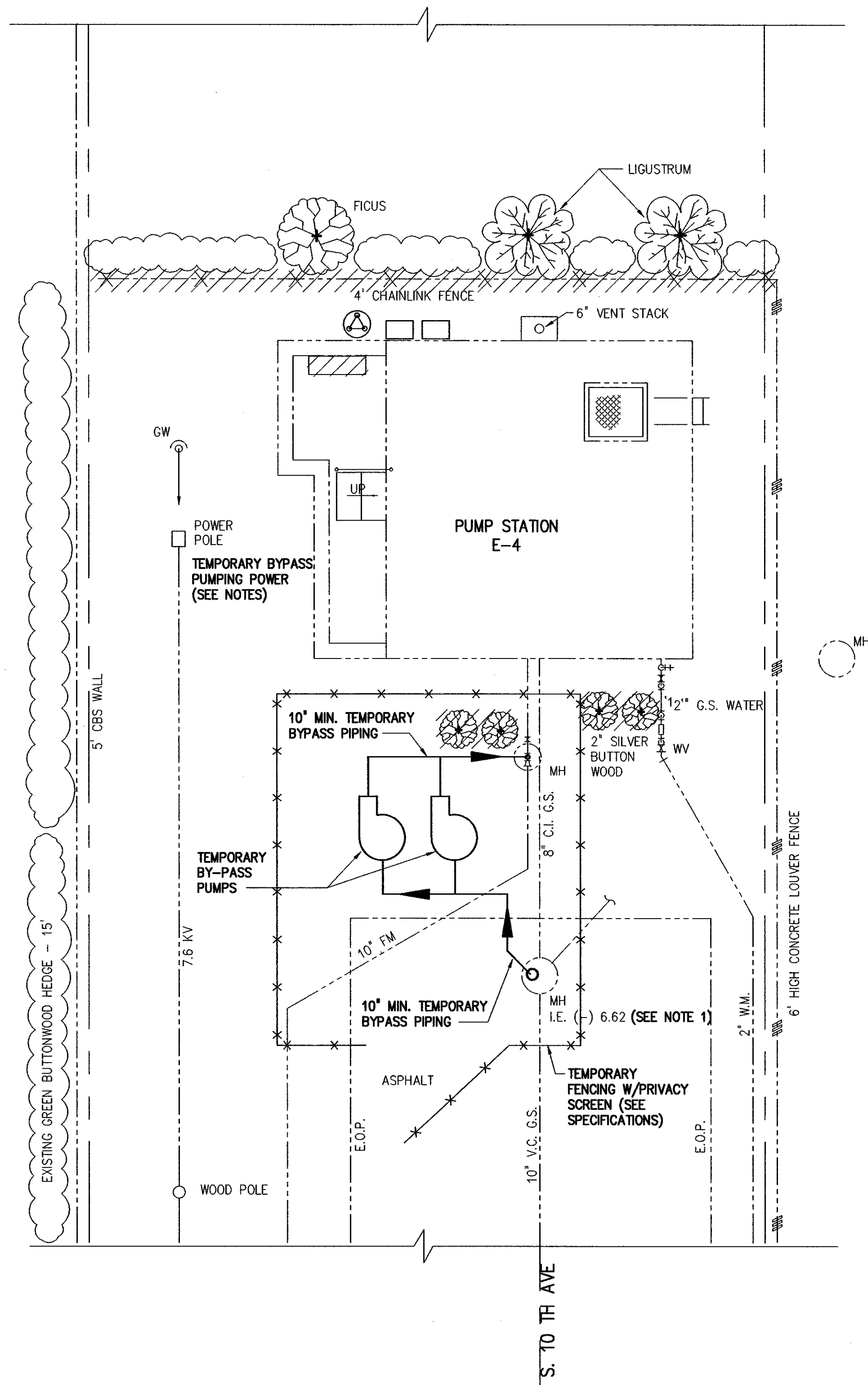
3/8"=1'-0" 12' 0' 1' 2' 4'

RECORD DRAWING

				DESIGNED <b>S.W.</b>					<div><div><b>HAZEN AND SAWYER</b> Environmental Engineers &amp; Scientists</div><div>4000 Hollywood Boulevard, Suite 750N Hollywood, Florida 33021 (954) 987-0066</div></div>	SCALE  3/8"=1'-0"	CONTRACT: —	<div>CITY OF HOLLYWOOD</div>	SOUTHERN REGIONAL WASTEWATER COLLECTION SYSTEM		DATE: <b>NOVEMBER 1998</b>
				DRAWN <b>J.W.T.</b>							CLIENTS PROJECT: 96-8513		15 TH AVENUE FORCE MAIN — PUMP STATION MODIFICATIONS (PHASE I I)		SHEET: <b>11</b> OF <b>26</b>
				CHECKED <b>J.A.V.</b>							ENGINEERS PROJECT: 8225		PUMP STATION E-4 PLAN AND ELEVATION		DRAWING: <b>M-4</b>
				PROJ. ENGR. <b>G.N.C.</b>							CAD REFERENCE: 8225M004		FINAL		
NO.	DATE	ISSUED FOR	BY					GLENN N. CUNNINGHAM No. 49048		P.E.					
4	12/18/00	RECORD DRAWING	P.J.V.												
3	3/11/99	AS BID	G.N.C.												
2	11/6/98	BIDDING	G.N.C.												
1	1/30/98	PERMITTING	G.N.C.												

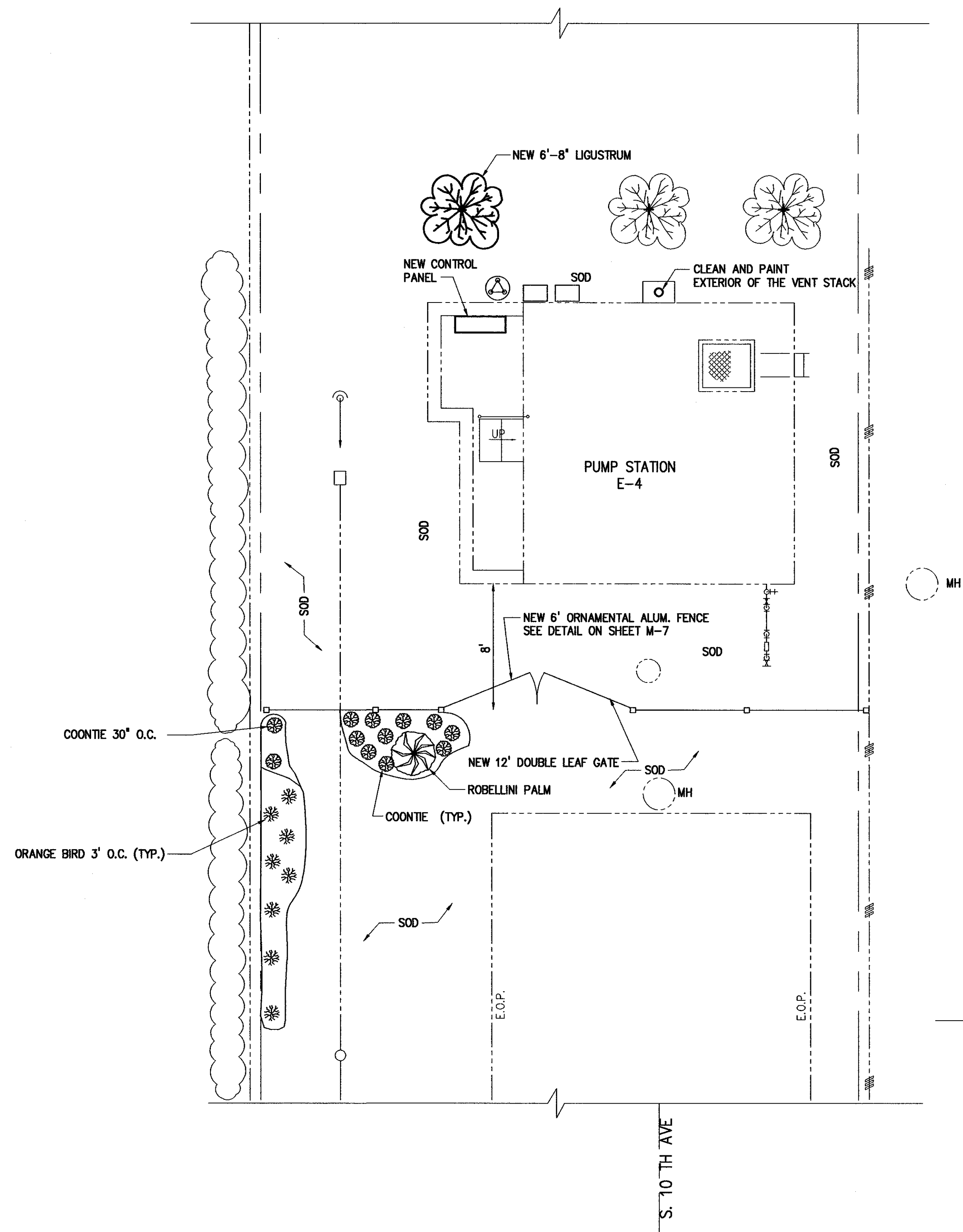


4/24/2007/11:04 A.M. - H: 8225\PH-2\RECORD\CH\8225C004.dwg - XREFS: - PS 1x1



EXISTING SITE PLAN  
SHOWING TEMPORARY BYPASS PUMP PLAN

- NOTES:
1. CONTRACTOR SHALL VERIFY ELEVATION BEFORE STARTING WORK.
  2. CONTRACTOR SHALL COORDINATE ALL TEMPORARY POWER REQUIREMENTS WITH FPL AND PAY ALL ASSOCIATED COSTS.
  3. CONTRACTOR STAGING AREA SHALL BE WITHIN THE PROPERTY R.O.W.

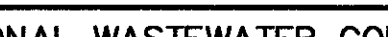


FINAL SITE PLAN

LEGEND	
	RIGHT OF WAY/PROP. LINE
	TEMPORARY WORK
	EXISTING STRUCT./PIPING
	PALM TREE
	TREE
	COONTIE
	ORANGE BIRD
	HEDGE
	EXISTING FENCE
	NEW FENCE
	TO BE REMOVED
	ANTENNA

RECORD DRAWING 1"=5'



				DESIGNED	S.W.	<div><div>HAZEN AND SAWYER</div><div>Environmental Engineers &amp; Scientists</div><div>4000 Hollywood Boulevard, Suite 750N Hollywood, Florida 33021 (954) 987-0066</div></div>	SCALE  1"=5'	CONTRACT: -		<div><div></div><div>CITY OF HOLLYWOOD</div></div>	SOUTHERN REGIONAL WASTEWATER COLLECTION SYSTEM		DATE: NOVEMBER 1998
				DRAWN	J.W.T.			CLIENTS PROJECT: 96-8513	15 TH AVENUE FORCE MAIN - PUMP STATION MODIFICATIONS (PHASE I I)		SHEET: 9 OF 26		
4 12/18/00 RECORD DRAWING P.J.V.				CHECKED	J.A.V.			ENGINEERS PROJECT: 8225	PUMP STATION E-4 SITE PLAN		DRAWING: C-4		
3 3/11/99 AS BID G.N.C.				PROJ. ENGR.	G.N.C.			CAD REFERENCE: 8225C004					
2 11/6/98 BIDDING G.N.C.													
1 1/30/98 PERMITTING G.N.C.													
NO. DATE ISSUED FOR BY				GLENN N. CUNNINGHAM P.E. No. 49048									



PROJECT DESCRIPTION:		City of Hollywood		DATE: 04/13/2022	
FINANCIAL PROJECT ID:		Replacement of a 10in Force Main at S 10th Ave in Bad Condition			
PROJECT NO.:		N/A			
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL AMOUNT
Option 1	Use VacTruck to remove sewage from MHS004133 (10th Avenue and S. Southlake Drive	LS	1.00	208,062.00	208,062.00
Option 2	Install by-pass from Lift station discharge pipe to existing valve on Adams St.	LS	1.00	142,722.00	142,722.00
Option 3	Install new force main while keeping existing force main in service. Will have a 4-hour window to connect to existing system one construction of new pipe is completed.	LS	1.00	132,150.00	132,150.00
	Furnish and Install ARV	LS	1.00	9,510.00	9,510.00
	Full Street and Intersections 1" Milling, 1" Asphalt, Striping (The 3 options have included a Trench Restoration)	LS	1.00	66,420.00	66,420.00
	Time Frame Note: Southeastern can complete the work in 10 days				
	Southeastern's supplier will have the green PVC C-900, DR 18 in 5 days				

*Southeastern Engineering Contractors, Inc. • Licensed and Insured • (754) 281-6364 • [Eddie@SoutheasternEng.com](mailto:Eddie@SoutheasternEng.com)*