

SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT
1621 N 14TH AVENUE
HOLLYWOOD, FLORIDA 33019

CONTRACT DRAWINGS For:
FLORIDA POWER AND LIGHT FEEDER NO. 1 FOR DIW NO. 3 AND NO. 4 PUMP STATION

CITY COMMISSION

JOSH LEVY, MAYOR
CARYL S. SHUHAM, COMMISSIONER
LINDA HILL ANDERSON, COMMISSIONER
TRACI L. CALLARI, COMMISSIONER
ADAM GRUBER, COMMISSIONER
KEVIN D. BIEDERMAN, COMMISSIONER
IDELMA QUINTANA, COMMISSIONER

LOCATION MAP



VICINITY MAP



DRAWING INDEX

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
GENERAL		
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ELECTRICAL		
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4	E-003	FPL FEEDER 1 PLAN AND PROFILE VIEW 1
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7	E-006	FPL FEEDER 1 PLAN AND PROFILE VIEW 4
8	E-007	FPL FEEDER 1 PLAN AND PROFILE VIEW 5
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CIVIL		
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17	C-008	FPL FEEDER 1 SECTIONS A-A AND B-B
18	C-101	CIVIL NOTES AND DETAILS 1
19	C-102	CIVIL NOTES AND DETAILS 2

PREPARED BY:

Brown and Caldwell

1580 SAWGRASS CORPORATE PARKWAY SUITE 400
SUNRISE, FLORIDA 33323
PHONE: 954-200-7611 FAX: 954-200-7612

FLORIDA BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF AUTHORIZATION #00002602

GIBBS LAND SURVEYORS
2131 HOLLYWOOD BOULEVARD, SUITE 204
HOLLYWOOD, FLORIDA 33020
PHONE: 954-923-7666

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JANURARY 2025



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FPL CONDUIT_ WORKING COPY\01 GENERAL SHEETS

Plot Date: 3/21/2024
11:06 AM

1. PLAN TITLES:

PLAN TITLE

SCALE: 1/8" = 1'-0"

2. SECTION CUTS:

SECTION NUMBER

3

00-G-003

DRAWING WHERE SECTION IS SHOWN

3. DETAIL/ENLARGED PLAN CALLOUT:

A. BY CALLOUT:

DETAIL LETTER TO BE NUMBERED SEQUENTIALLY THROUGHOUT THE ENTIRE DISCIPLINE

3

00-G-003

DRAWING WHERE DETAIL IS FOUND

B. BY NOTE: "SEE DETAIL B/D-105"

B IS DETAIL REFERENCE LETTER
D-105 IS DRAWING WHERE DETAIL IS SHOWN

4. ENLARGED PLAN TITLES:

ENLARGED PLAN NUMBER

1

00-G-001

ENLARGED PLAN TITLE

SCALE: 1/4" = 1'-0"

DRAWING WHERE ENLARGED VIEW IS REFERENCED

5. SECTIONS TITLES:

SECTION NUMBER TO BE NUMBERED SEQUENTIALLY THROUGHOUT THE ENTIRE DISCIPLINE

3

00-G-003

SECTION TITLE

SCALE: 1/8" = 1'-0"

DRAWING WHERE SECTION IS CUT

6. DETAIL TITLES:

DETAIL LETTER

A

00-G-003

DETAIL TITLE

SCALE: 1/8" = 1'-0"

DRAWING WHERE DETAIL IS CALLED

6. TYPICAL DETAIL REFERENCE:

TYPICAL DETAIL NUMBER

S0321

DISCIPLINE CODE (SEE LISTING ON THIS DRAWING)

6. TYPICAL DETAIL TITLES:

TYPICAL DETAIL NUMBER

S0321

DETAIL TITLE

N. T. S.

7. KEYNOTES:

4

8. SPECIAL NOTES:

4

9. CROSSING NOTES:

4

PIPING IDENTIFICATION SYSTEM

6" DS

NEW PIPING

PIPE SERVICE

SERVICE ABBREVIATIONS

PIPE SIZE

6" DS

EXISTING PIPING

6" DS

FUTURE PIPING

MISCELLANEOUS

MATCH LINE

SEE SHEET XX-X-XXX

NEW/PROPOSED LINework

EXISTING LINework

WATER SURFACE

PLAN NORTH

NORTH ARROW

LOCATION

EL. XXXX.XX

ELEVATION CALL OUT IN SECTION

EL. XXXX.XX

PIPE CENTRLINE ELEVATION CALL OUT IN SECTION

REVISION TAG

REVISION CLOUD

ABBREVIATIONS

ADA

AMERICANS WITH DISABILITIES ACT

ANSI

AMERICAN NATIONAL STANDARDS INSTITUTE

ASTM

AMERICAN SOCIETY FOR TESTING AND MATERIALS

AVG

AVERAGE

AWWA

AMERICAN WATER WORKS ASSOCIATION

AWG

AMERICAN WIRE GAUGE

CONC

CONCRETE

EFF

EFFLUENT

EL

ELEVATION

EPS

EFFLUENT PUMP STATION

FAC

FLORIDA ADMINISTRATIVE CODE

FBC

FLORIDA BUILDING CODE

FPL

FLORIDA POWER AND LIGHT

GPM

GALLONS PER MINUTE

IBC

INTERNATIONAL BUILDING CODE

INV

INVERT

IW

INJECTION WELL

IWPS

INJECTION WELL PUMP STATION

MGD

MILLION GALLONS PER DAY

MSDS

MATERIAL SAFETY DATA SHEET

MSS

MANUFACTURERS STANDARDIZATION SOCIETY

MW

MONITORING WELL

NEC

NATIONAL ELECTRIC CODE

NEMA

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

NFPA

NATIONAL FIRE PROTECTION ASSOCIATION

NO.

NUMBER

NTS

NOT TO SCALE

OSHA

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PS

PUMP STATION

SC

SECONDARY CLARIFIER

SRWWTP

SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT

STR

STRAINER

TYP

TYPICAL

WTP

WATER TREATMENT PLANT

WW

WET WELL

PIPE SERVICES

BW

BACKWASH

CA

COMPRESSED AIR

CLS

CHLORINE SOLUTION

CON

CONCENTRATE

D

DRAIN

DEF

DIESEL EXHAUST FLUID

EE

ENGINE EXHAUST

EFF

EFFLUENT

FOR

FUEL OIL RETURN

FOS

FUEL OIL SUPPLY

HW

POTABLE HOT WATER

MCON

MIXED CONCENTRATE AND SECONDARY EFFLUENT

NG

NATURAL GAS

NPW

NON-POTABLE WATER

PD

PROCESS DRAIN

PPD

PRESSURIZED PROCESS DRAIN

PW

POTABLE WATER

SA

SUPPLY AIR

SAN

SANITARY SEWAGE

SCUM

SCUM

SEC

SECONDARY EFFLUENT

SMP

SAMPLING LINE

STD

STORM DRAIN

SW

SEAL WATER

V

VENT

VP

PETROLEUM VENT

WAS

WASTE ACTIVATED SLUDGE

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CONTRACT - XXX
FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4
PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
SYMBOLS AND LEGENDS

DRAWING ISSUED

REVISION

No.

DESCRIPTION

DATE

BY

A

B

C

D

FOR CONSTRUCTION

PROJ No.: 115842

DESIGNED: J.JULIEN

CHECKED: R.ABORDO

DRAWN: J.JULIEN

FINAL CHECK: D.HERRERA

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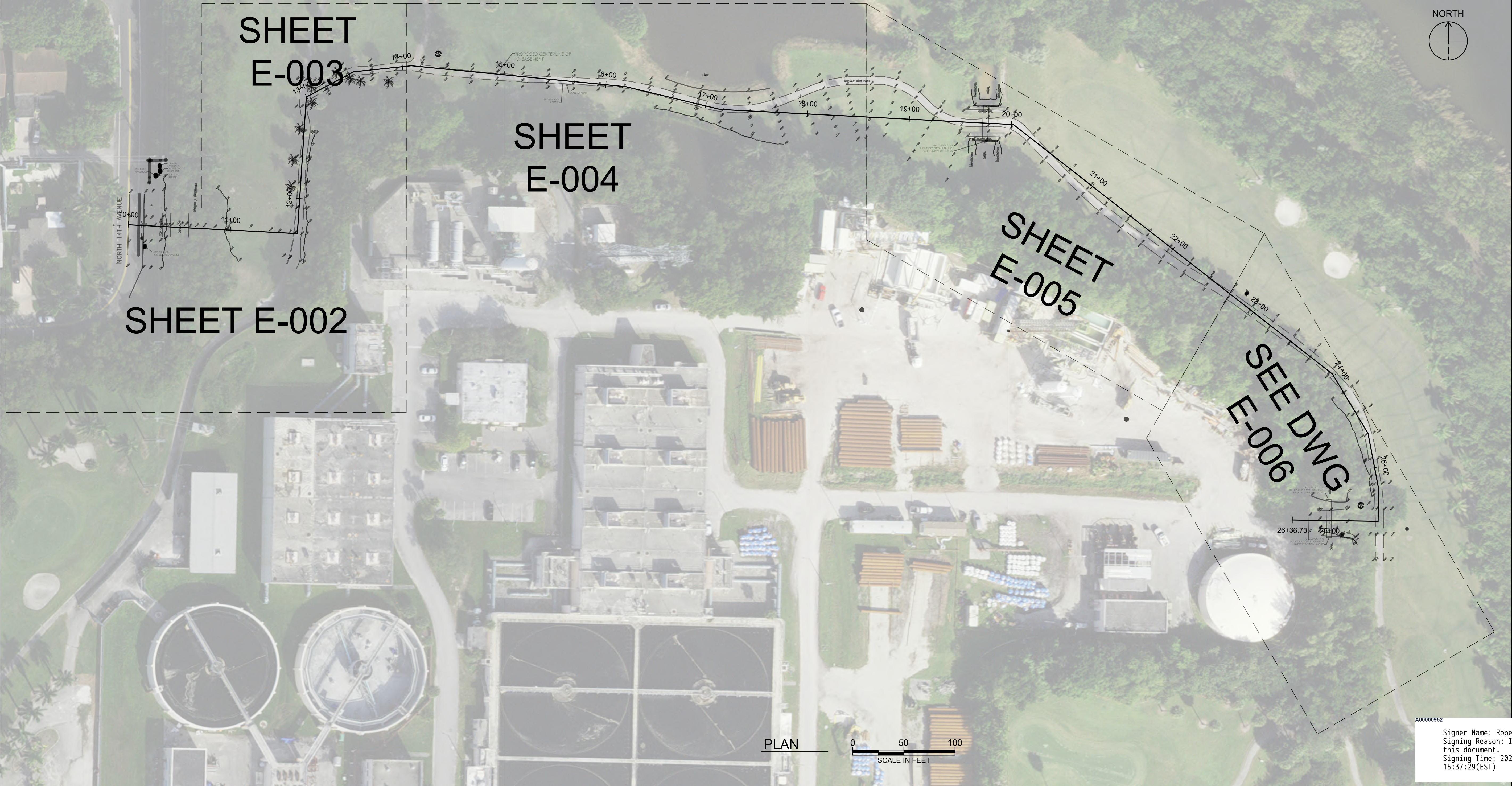
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SHEET: G-001

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FPL FEEDER 1 ELECTRICAL KEY MAP


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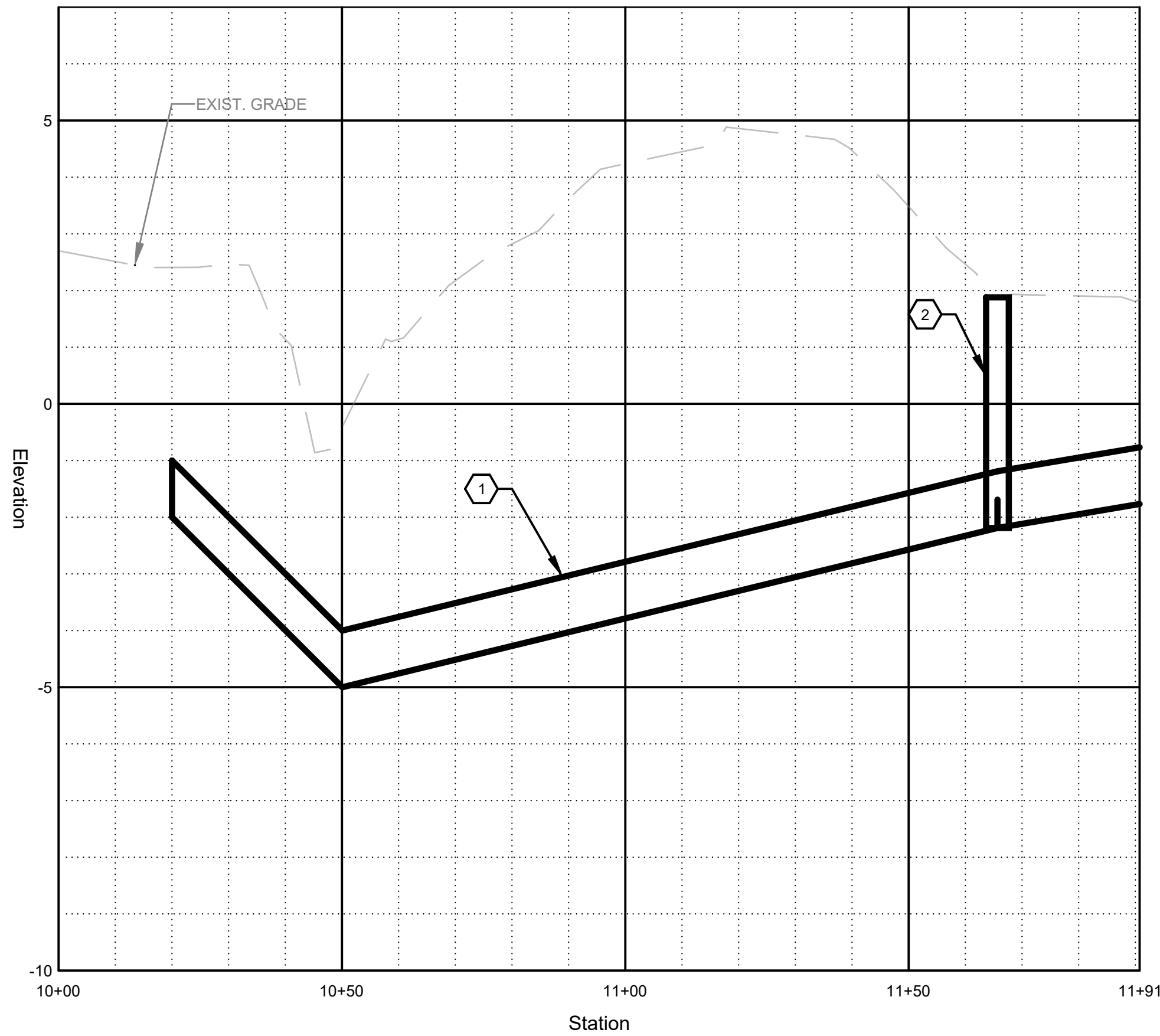
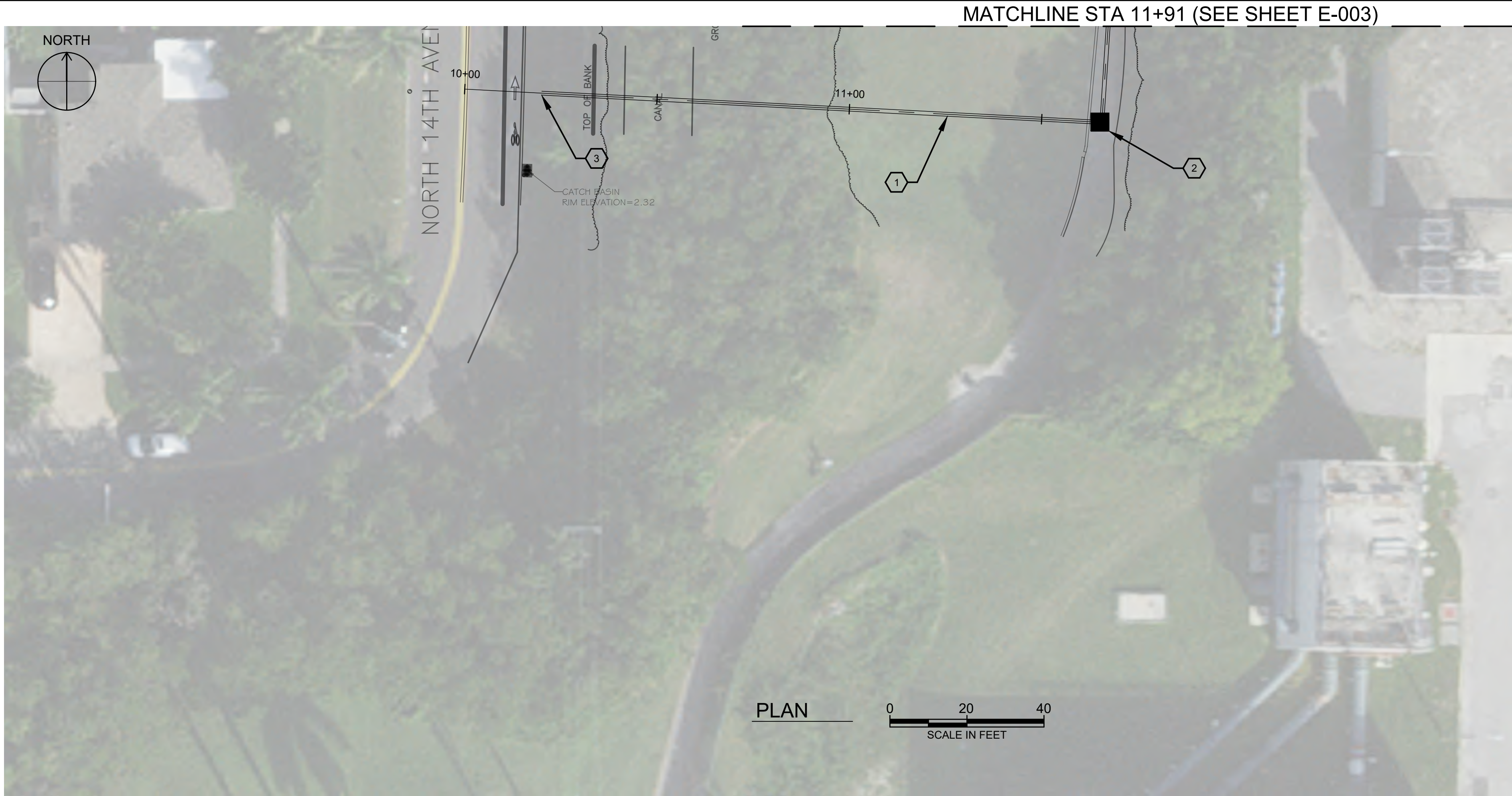
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HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'

GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL STRUCTURES AS SHOWN HEREIN. CONSTRUCTION DETAILS OF ELECTRICAL STRUCTURES SHALL BE IN ACCORDANCE WITH FPL STANDARDS.
2. FPL STRUCTURES LOCATION IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY EXACT LOCATION TO AVOID CONFLICT WITH ANY UNDERGROUND UTILITIES.
3. FOR RESTORATION OF DISTURBED AREAS, REFER TO CIVIL DRAWINGS.

KEYNOTES:

1. NEW ELECTRICAL DUCT BANK. 3 CONDUITS. CONTRACTOR SHALL INSTALL FPL PROVIDED CONDUITS IN THE CONCRETE DUCT BANK. REFER TO DETAIL E1001 FOR 3 DUCT INSTALLATION.
2. NEW ELECTRICAL CABLE SPLICE BOX. SEE DETAIL E1003.
3. CONDUIT TERMINATION: CONTRACTOR SHALL TERMINATE FEEDER WORK EAST OF THE EDGE OF PAVEMENT.



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CONTRACT - XXX
FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4
PUMP STATION
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FPL FEEDER 1 PLAN AND PROFILE VIEW 1

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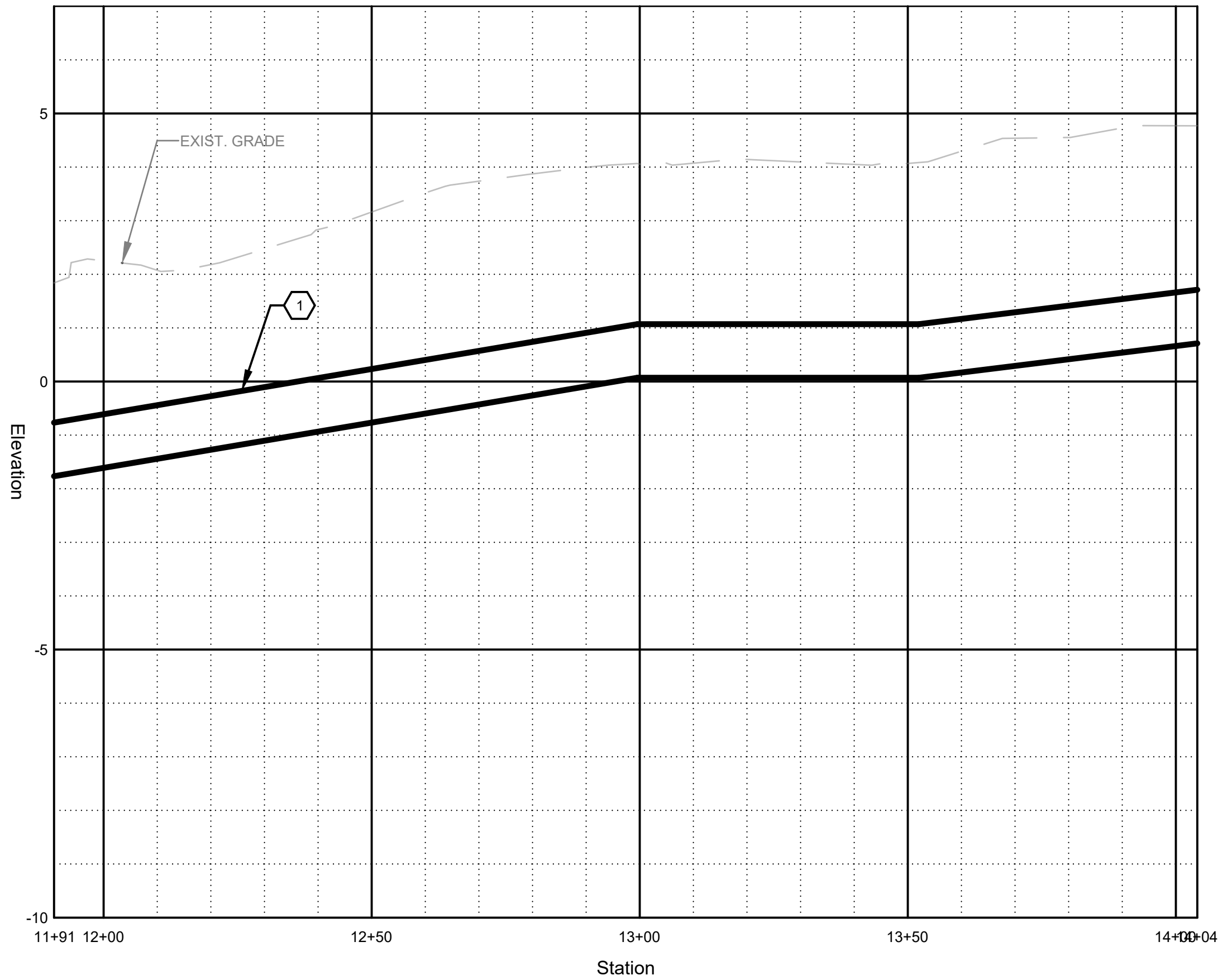
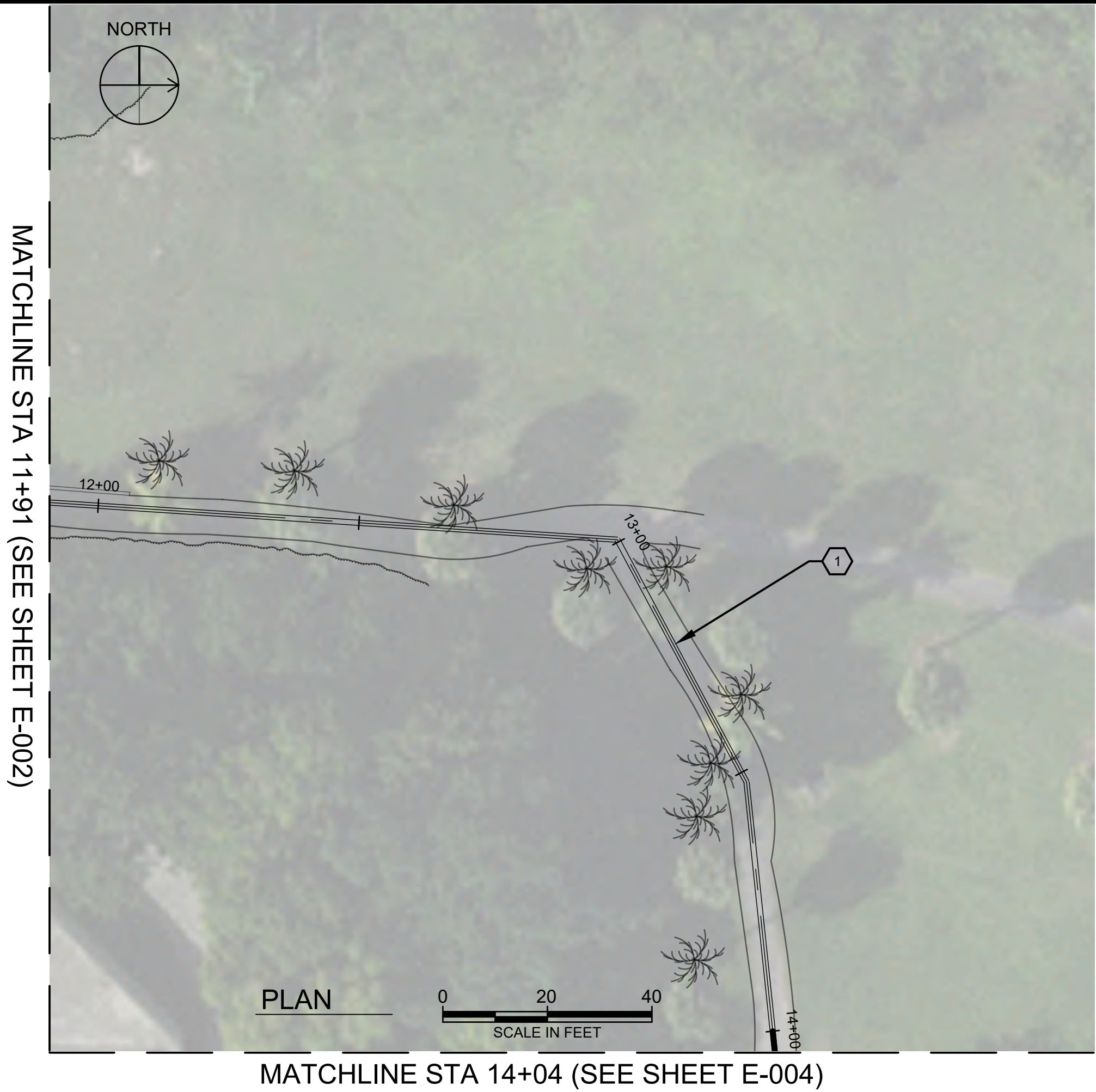
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SHEET: E-002

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PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'

GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL STRUCTURES AS SHOWN HEREIN. CONSTRUCTION DETAILS OF ELECTRICAL STRUCTURES SHALL BE IN ACCORDANCE WITH FPL STANDARDS.
2. FPL STRUCTURES LOCATION IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY EXACT LOCATION TO AVOID CONFLICT WITH ANY UNDERGROUND UTILITIES.
3. FOR RESTORATION OF DISTURBED AREAS, REFER TO CIVIL DRAWINGS.

KEYNOTES:

1. NEW ELECTRICAL DUCT BANK. 3 CONDUITS. CONTRACTOR SHALL INSTALL FPL PROVIDED CONDUITS IN THE CONCRETE DUCT BANK. REFER TO DETAIL E1001 FOR 3 DUCT INSTALLATION.



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FPL FEEDER 1 PLAN AND PROFILE VIEW 2

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DRAWN: J. JULIEN	FINAL CHECK: D. HERRERA

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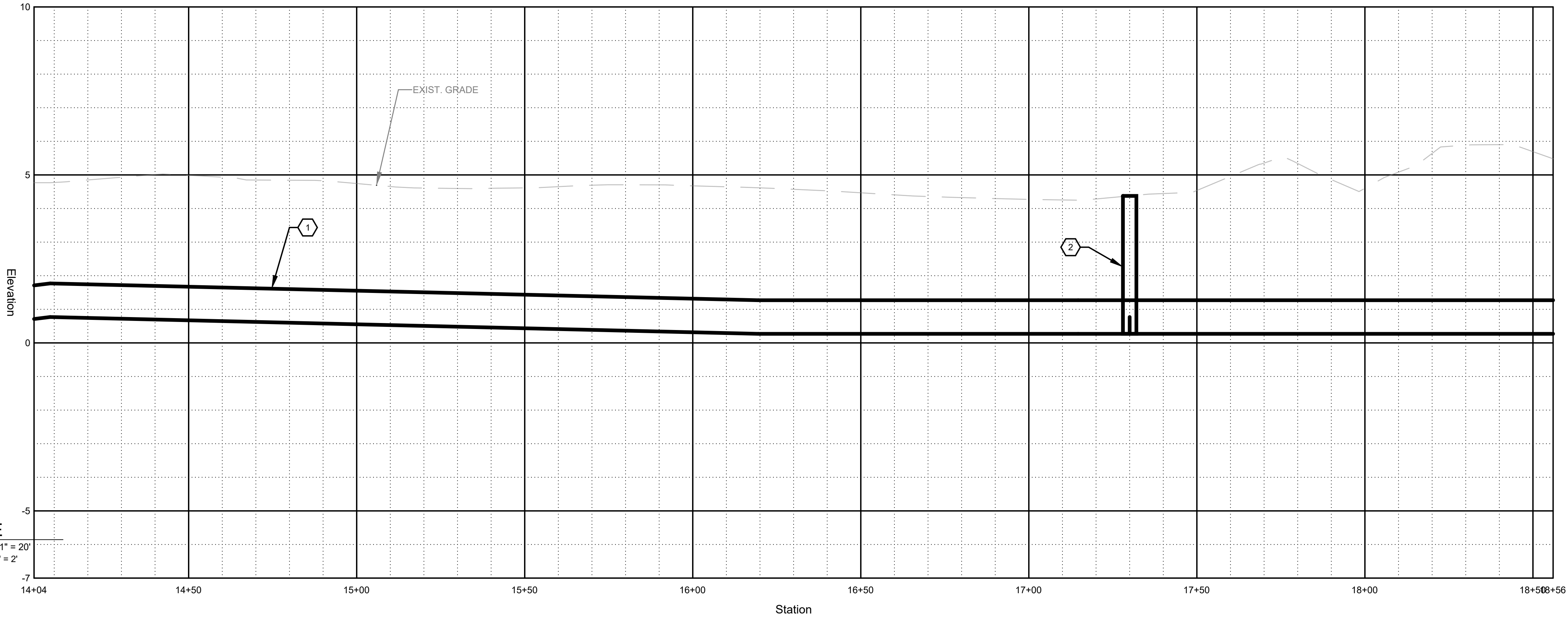
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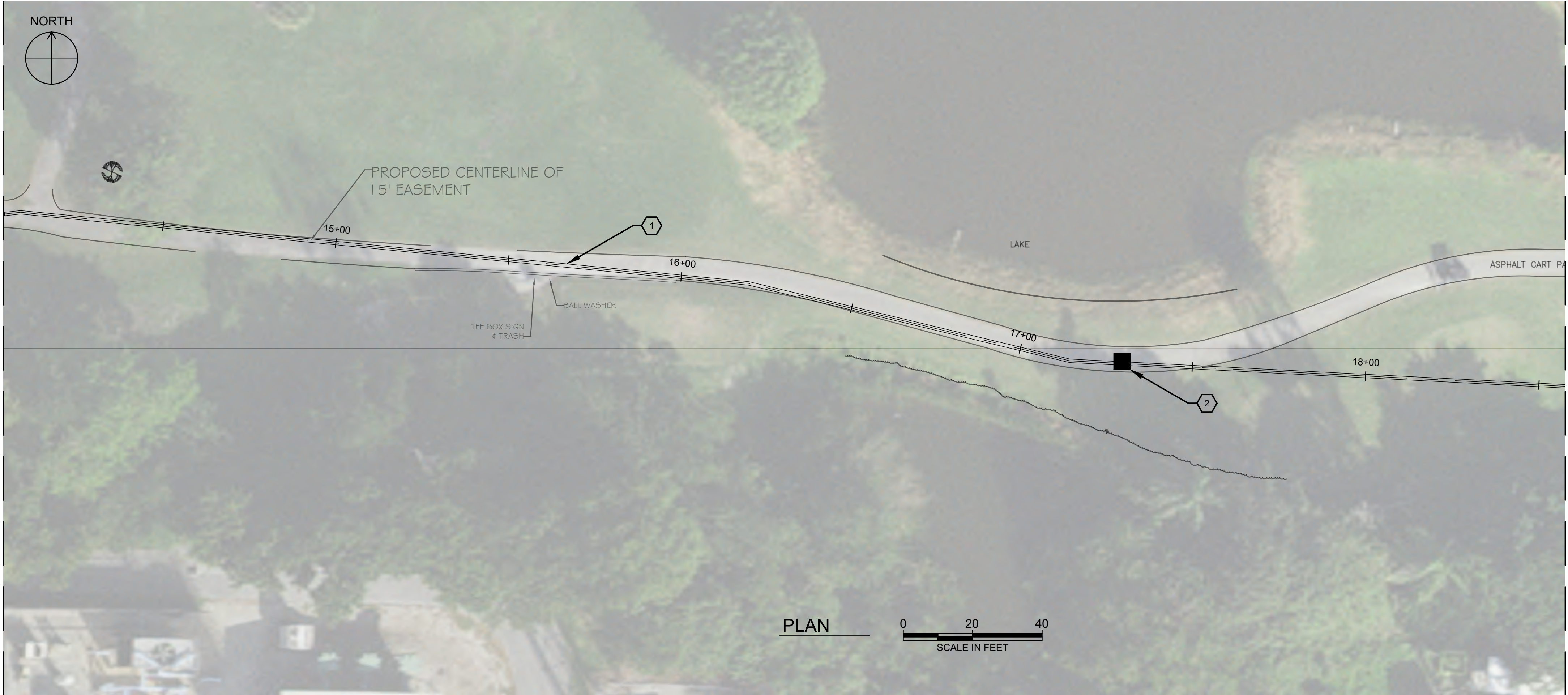
PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'



MATCHLINE STA 14+04 (SEE SHEET E-003)

MATCHLINE STA 18+56 (SEE SHEET E-005)



GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL STRUCTURES AS SHOWN HEREIN. CONSTRUCTION DETAILS OF ELECTRICAL STRUCTURES SHALL BE IN ACCORDANCE WITH FPL STANDARDS.
2. FPL STRUCTURES LOCATION IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY EXACT LOCATION TO AVOID CONFLICT WITH ANY UNDERGROUND UTILITIES.
3. FOR RESTORATION OF DISTURBED AREAS, REFER TO CIVIL DRAWINGS.

KEYNOTES:

1. NEW ELECTRICAL DUCT BANK. 3 CONDUITS. CONTRACTOR SHALL INSTALL FPL PROVIDED CONDUITS IN THE CONCRETE DUCT BANK. REFER TO DETAIL E1001 FOR 3 DUCT INSTALLATION.
2. NEW ELECTRICAL CABLE SPLICE BOX. SEE DETAIL E1003.



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CONTRACT - XXX
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PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
FPL FEEDER 1 PLAN AND PROFILE VIEW 3

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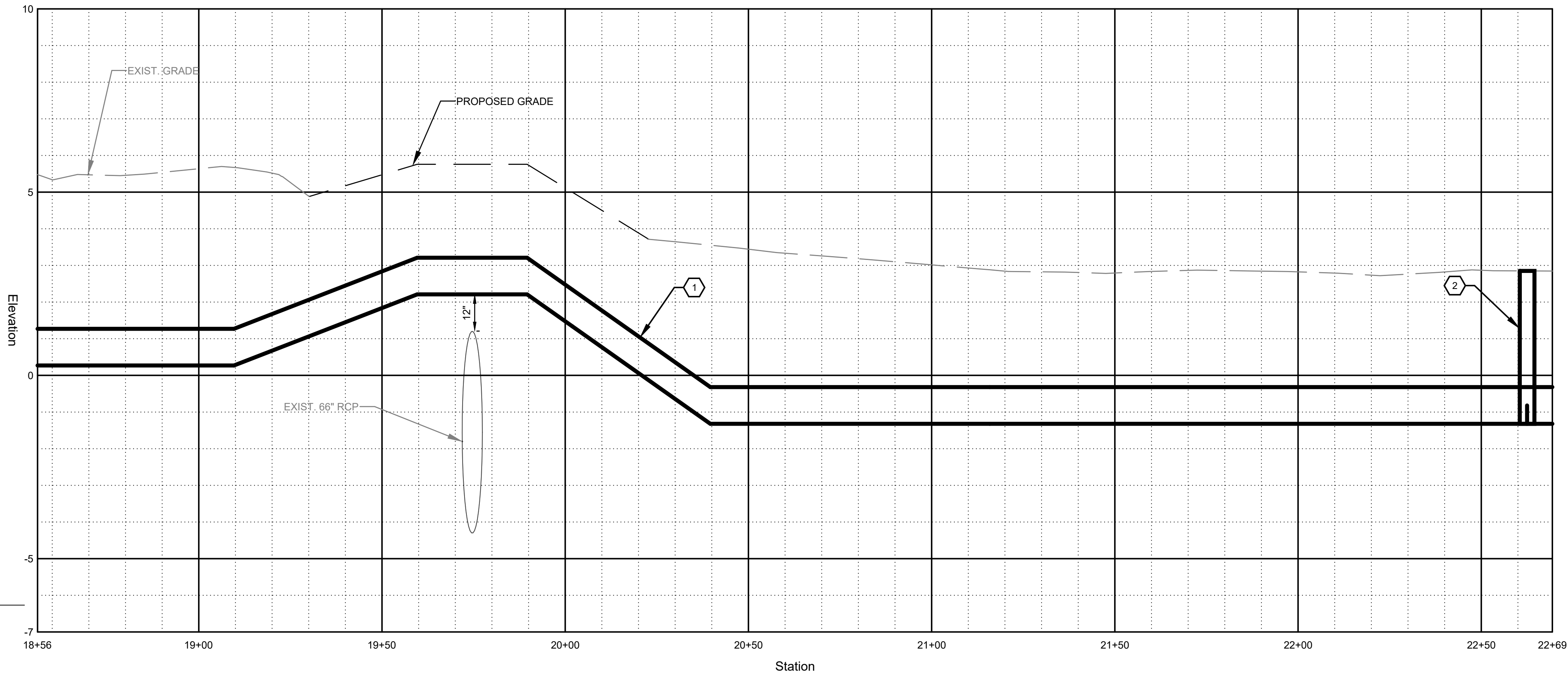
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PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'



MATCHLINE STA 22+69 (SEE SHEET E-006)

GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL STRUCTURES AS SHOWN HEREIN. CONSTRUCTION DETAILS OF ELECTRICAL STRUCTURES SHALL BE IN ACCORDANCE WITH FPL STANDARDS.
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KEYNOTES:

1. NEW ELECTRICAL DUCT BANK. 3 CONDUITS. CONTRACTOR SHALL INSTALL FPL PROVIDED CONDUITS IN THE CONCRETE DUCT BANK. REFER TO DETAIL E1001 FOR 3 DUCT INSTALLATION.
2. NEW ELECTRICAL CABLE SPLICE BOX. SEE DETAIL E1003.



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CONTRACT - XXX
FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4
PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
FPL FEEDER 1 PLAN AND PROFILE VIEW 4

DRAWING ISSUED

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FOR CONSTRUCTION

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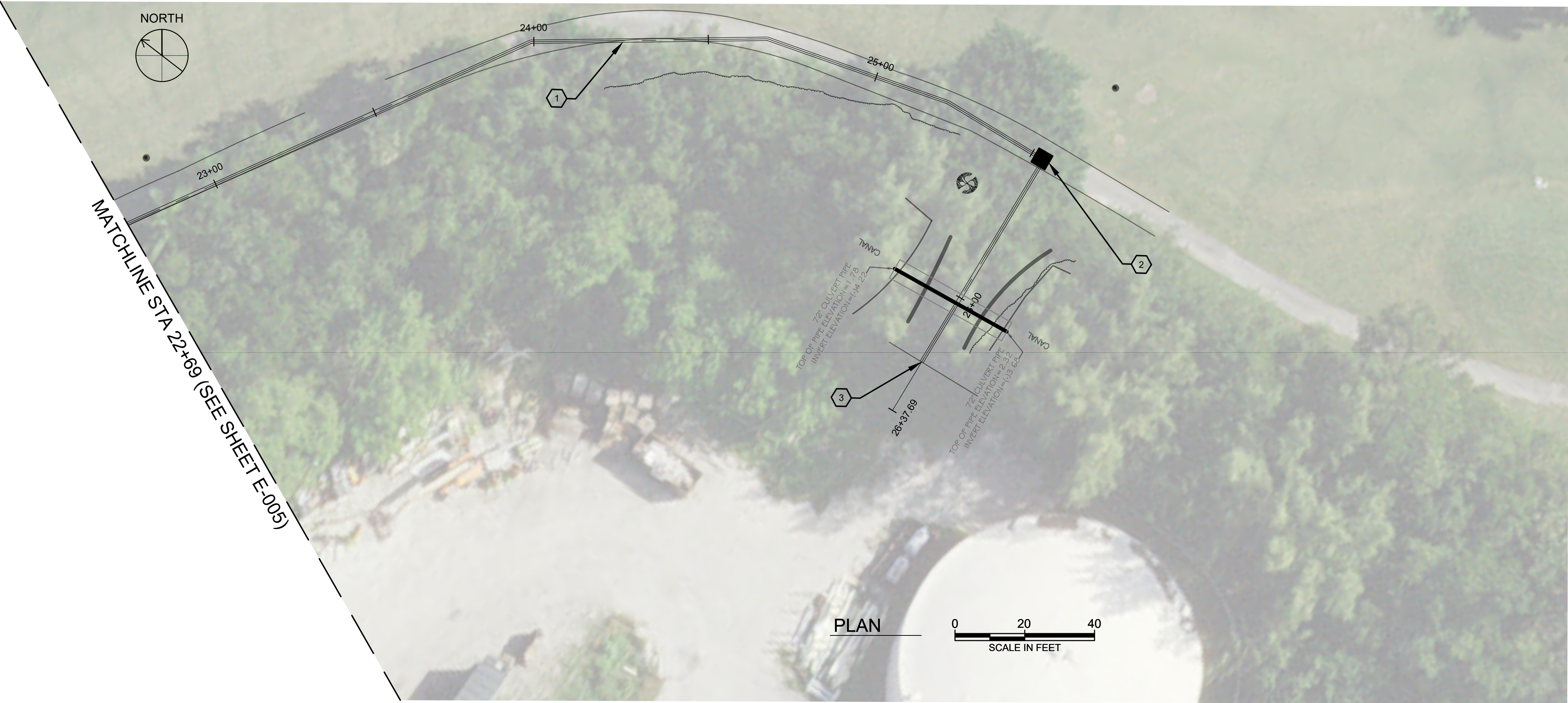
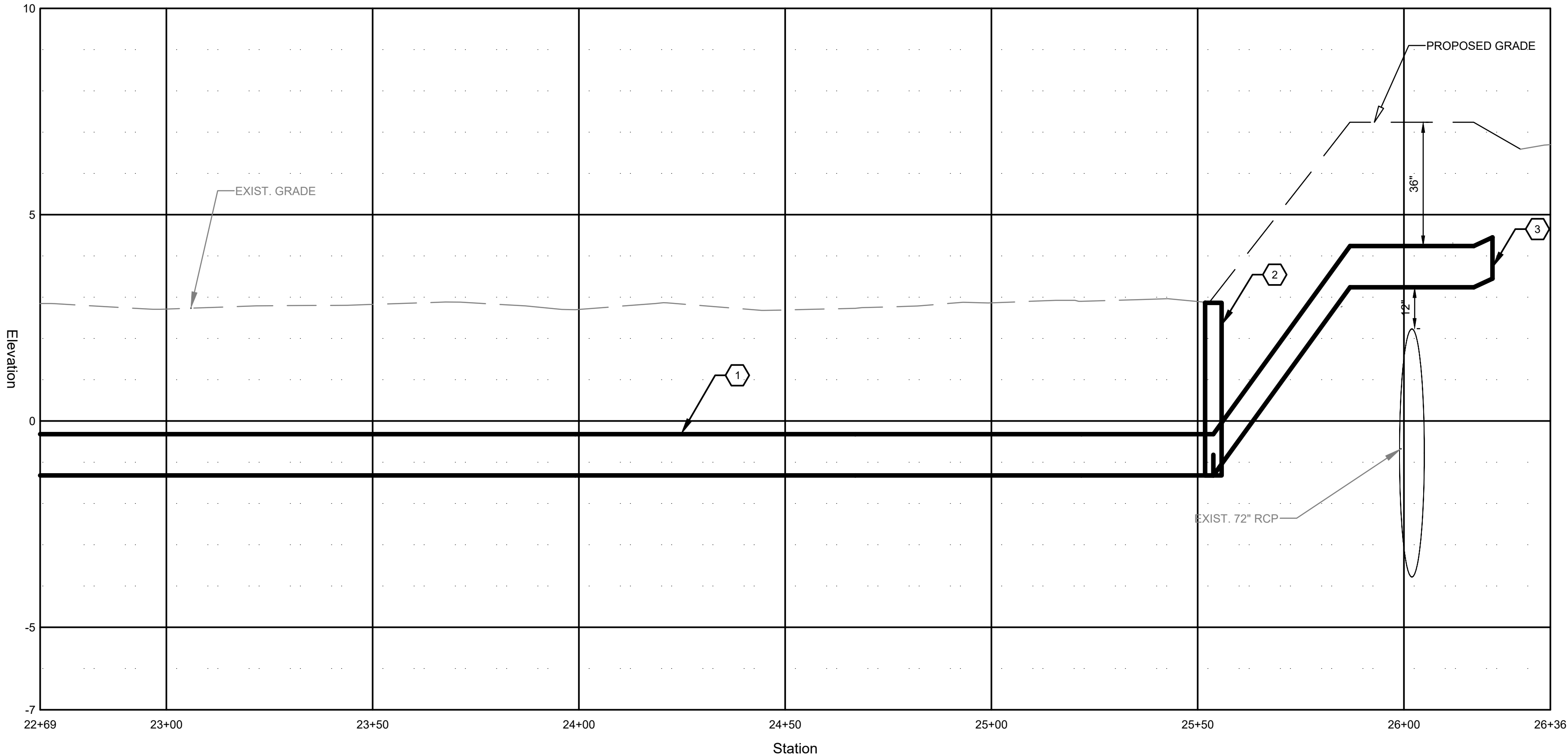
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SHEET: E-005

PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'



GENERAL NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL STRUCTURES AS SHOWN HEREIN. CONSTRUCTION DETAILS OF ELECTRICAL STRUCTURES SHALL BE IN ACCORDANCE WITH FPL STANDARDS.
2. FPL STRUCTURES LOCATION IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY EXACT LOCATION TO AVOID CONFLICT WITH ANY UNDERGROUND UTILITIES.
3. FOR RESTORATION OF DISTURBED AREAS, REFER TO CIVIL DRAWINGS.

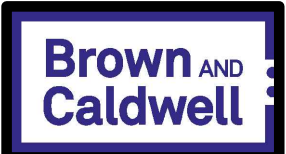
KEYNOTES:

1. NEW ELECTRICAL DUCT BANK. 3 CONDUITS. CONTRACTOR SHALL INSTALL FPL PROVIDED CONDUITS IN THE CONCRETE DUCT BANK. REFER TO DETAIL E1001 FOR 3 DUCT INSTALLATION.
2. NEW ELECTRICAL CABLE SPLICE BOX. SEE DETAIL E1003.
3. CONDUIT TERMINATION: CONTRACTOR SHALL TERMINATE FEEDER WORK NORTH EAST OF THE SRWWTP FENCE LINE.



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CONTRACT - XXX
FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4
PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
FPL FEEDER 1 PLAN AND PROFILE VIEW 5

DRAWING ISSUED

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B			
C			
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FOR CONSTRUCTION

PROJ No.: 115842	
DESIGNED: J. JULIEN	CHECKED: R. ABORDO
DRAWN: J. JULIEN	FINAL CHECK: D. HERRERA

RT E. AB

A00000952

Signer Name: Robert Abordo
Signing Reason: I approved
this document.
Signing Time: 2025-01-10
15:37:29(EST)

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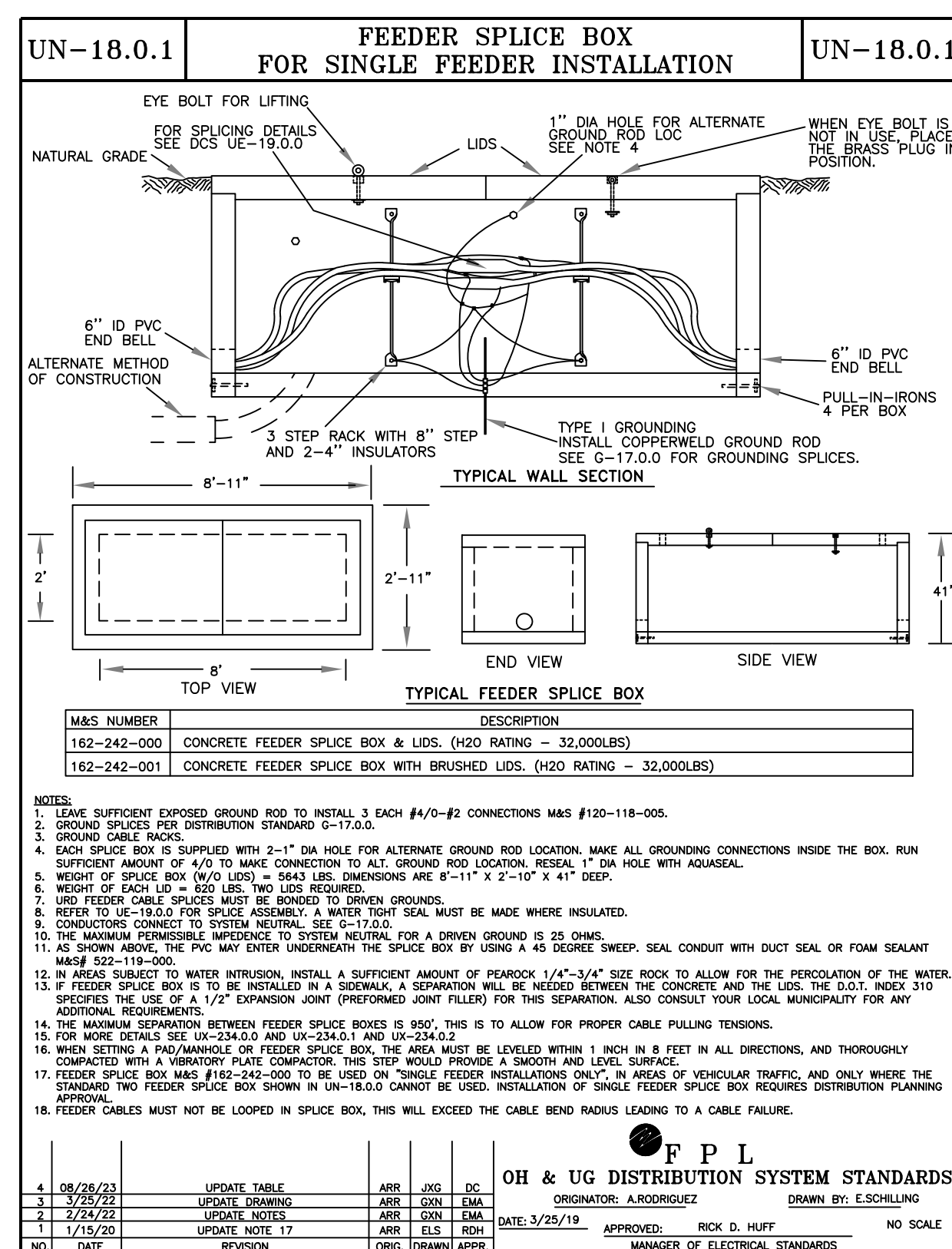
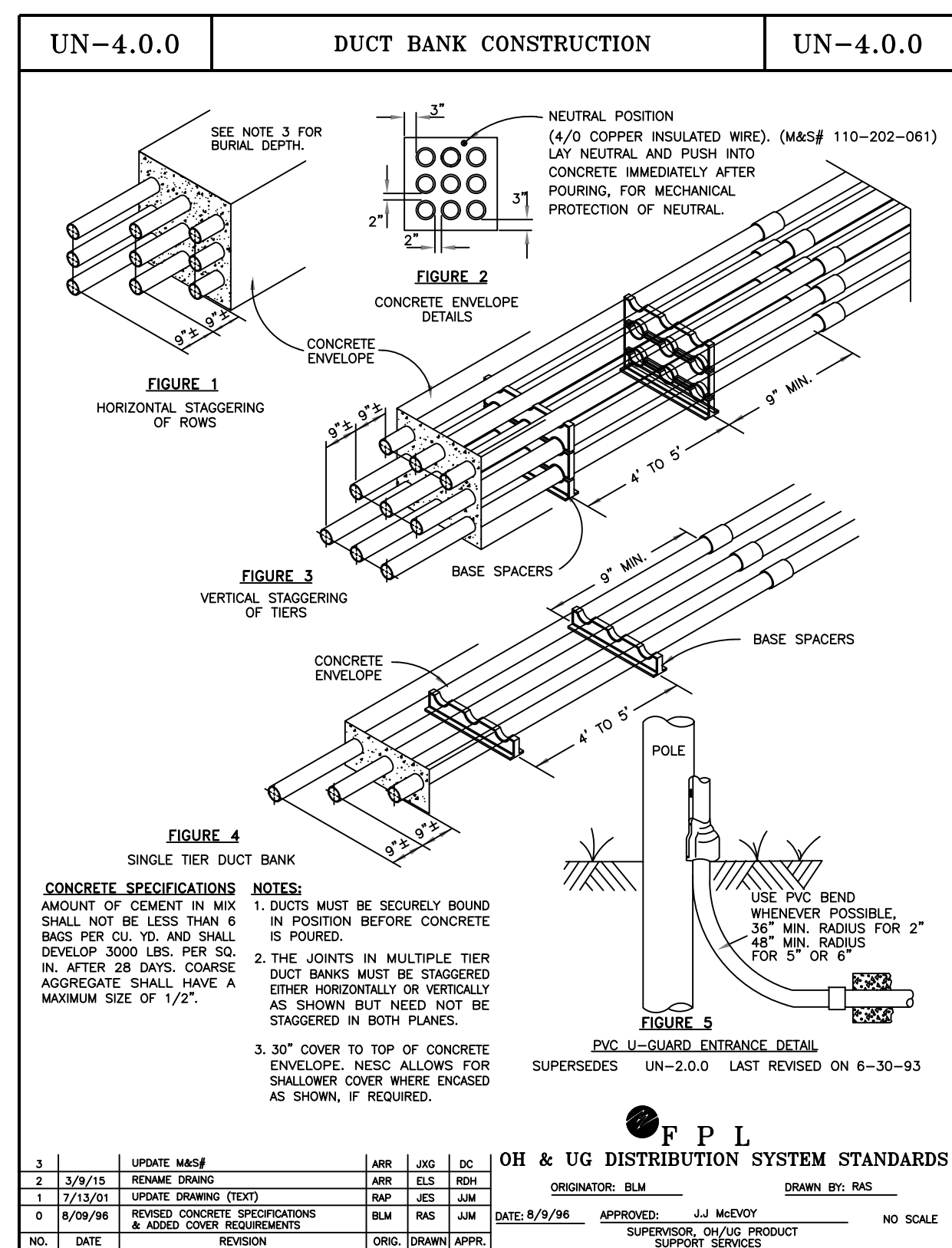
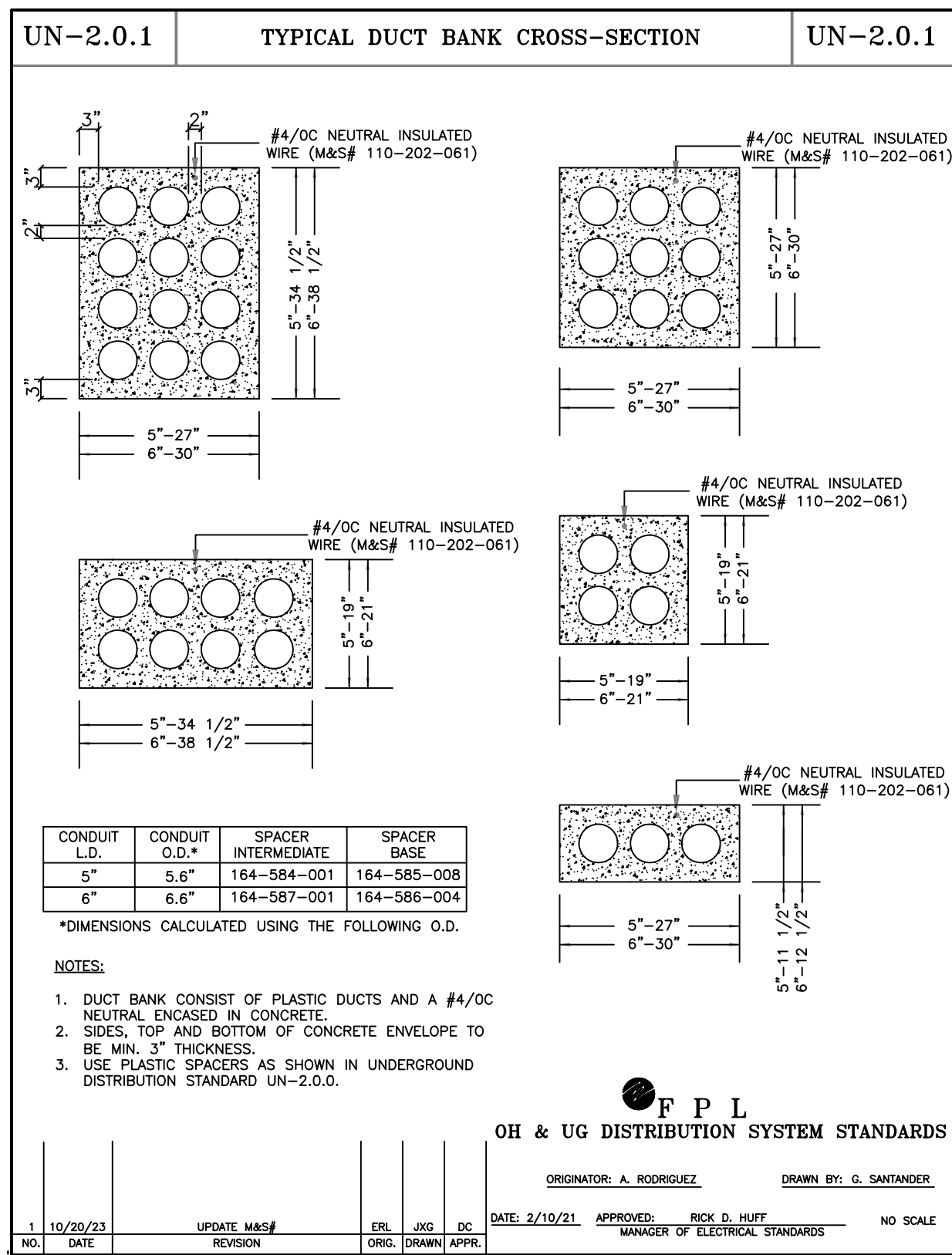
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CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE 1 CALL
UNDERGROUND UTILITIES
NOTIFICATION CENTER



B-11.0.1.	UNDERGROUND FACILITIES CONCRETE ENCASED DUCT BANK	B-11.0.1.
------------------	--	------------------

OTHER STRUCTURE	MINIMUM SEPARATION	REMARKS
COMMUNICATIONS	a. 4" CONCRETE b. 4" MASONRY c. 12" WELL TAMPED EARTH	THIS DIMENSION CANNOT BE REDUCED
SEWER, SANITARY, OR STORM	12"	IF FPL DUCT BANK IS PARALLEL TO AND DIRECTLY OVER A SANITARY OR STORM SEWER, BOTH PARTIES MUST BE IN AGREEMENT AS TO METHOD.
WATER LINES	12"	FPL DUCT BANK SHOULD BE INSTALLED AS FAR AWAY AS POSSIBLE.
GAS & OTHER FUEL LINES	12"	THIS DIMENSION CANNOT BE REDUCED
STEAM LINES	12"	FPL DUCT BANK SHOULD BE INSTALLED SO AS TO LIMIT THE LIKELIHOOD OF DETRIMENTAL HEAT TRANSFER.

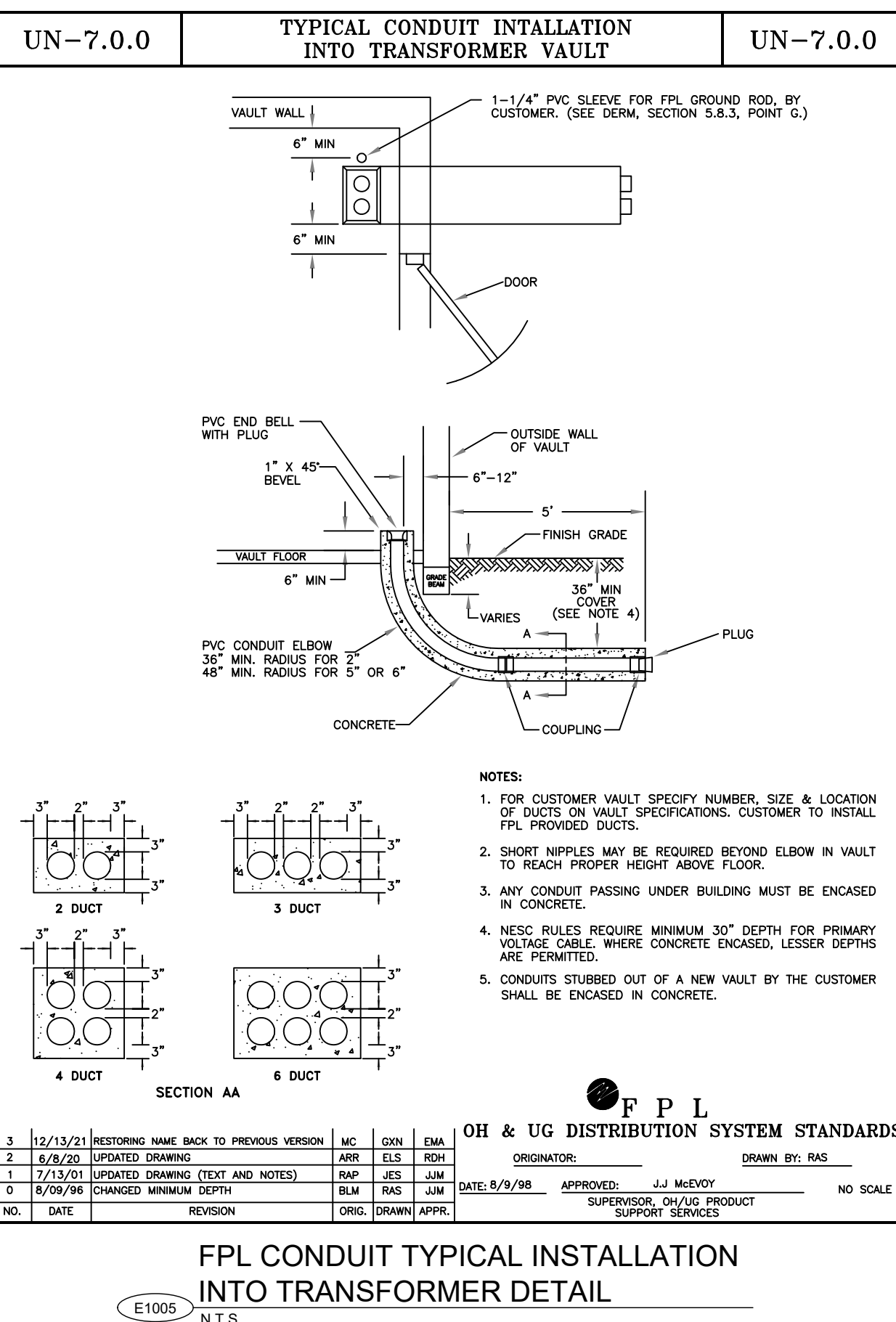
NOTES:





- SEPARATION BETWEEN FPL DUCT BANK AND OTHER UNDERGROUND STRUCTURES SHOULD BE AS LARGE AS NECESSARY TO PERMIT MAINTENANCE WITHOUT DAMAGING EITHER PARTY. SEPARATIONS GREATER THAN 12" ARE PREFERRED.
- GREATER SEPARATION MAY BE REQUIRED BASED ON LOCAL PERMITTING AGENCIES AND OTHER UTILITIES.
- REFERENCE: 2017 NESC RULE 320B.

3	7/3/21	UPDATE TABLE	DOY	CON	DMA	DATE: 10/22/01	APPROVED: J.J. McVEY	NO SCALE
2	9/28/18	UPDATE NOTE 3	ARR	ELS	BDN		SUPERVISOR, OH/UG PRODUCT	
1	7/28/11	UPDATE NOTES	ARR	ELS	BDN		SUPPORT SERVICES	
NO.	DATE	REVISION	CRG.	DRW	APP.			

E1004 FPL SEPARATION REQUIREMENTS




N.T.S.



<div><div>CITY OF HOLLYWOOD PUBLIC UTILITIES</div></div> <div>2600 HOLLYWOOD BOULEVARD, HOLLYWOOD, FLORIDA 33020-4807 954-967-4357 hollywoodoff.org</div>				
<div><div>Brown AND Caldwell</div></div> <div>Environmental Engineering and Consulting 1500 Sawgrass Corporate Parkway, Suite 403, Sunrise, Florida 33322 (954)205-7474 Florida Board of Professional Engineers Certificate of Authorization No. 0003200</div>				
<div><div>CONTRACT - XXX</div><div>FPL FEEDER NO. 1 FOR DIW NO. 3 AND NO. 4</div><div>PUMP STATION</div><div>HOLLYWOOD FLORIDA PUBLIC UTILITIES</div><div>FPL STANDARD DETAILS</div></div>				
DRAWING ISSUED				
REVISION	No.	DESCRIPTION	DATE	BY
	A			
	B			
	C			
	D			
FOR CONSTRUCTION				
PROJ No.: 115842				
DESIGNED: J. JULIEN		CHECKED: R. ABORDO		
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<div></div>				
Robert Abordo I approved				
025-01-10				
<div></div>				
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FPL CONDUIT_ WORKING COPY\01 GENERAL SHEETS

Plot Date: 3/21/2024
3:07 PM

GENERAL NOTES	BURIED UTILITY NOTES																																		
<div><div><div>1. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.</div><div>2. DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD)88.</div><div>3. REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE INFORMATION.</div><div>4. ANY N.A.V.D BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, SURVEYING AND MAPPING SECTION, PHONE NUMBER 1-(850) -245-2606.</div><div>5. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL RETAIN LAND SURVEYOR TO REFERENCE AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE CITY OF HOLLYWOOD PUBLIC WORKS DEPARTMENT A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.</div><div>6. ALL NORTHINGS AND EASTINGS REFER TO EDGE OF CONSTRUCTION, UNLESS OTHERWISE STATED.</div><div>7. ALL GRADES SHOWN IN DRAWING ARE FINISHED GRADES.</div><div>8. ANY CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF HOLLYWOOD, BROWARD COUNTY AND ANY OTHER STATE OR LOCAL, STATE AND FEDERAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.</div><div>9. EXISTING TOPOGRAPHIC INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY GIBBS LAND SURVEYORS. THIS SURVEY IS INCLUDED IN THE DRAWING SET.</div><div>10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.</div><div>11. THE CITY OF HOLLYWOOD REQUIRES THAT THE ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISM BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY. COVERING VALVE BOXES OR MANHOLES CAN BE CONSIDERED OBSTRUCTION AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE.</div><div>12. THERE ARE KNOWN UTILITIES WITHIN THE PROJECT SITE. THESE INCLUDE BUT ARE NOT LIMITED TO: FLORIDA POWER AND LIGHT - ELECTRICAL CABLE TV - COMCAST/XFINITY WATER, SEWER, AND COMMUNICATION - CITY OF HOLLYWOOD.</div><div>13. IF SHEETING, SHORING, OR DEWATERING ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS, COST OF SHEETING, SHORING, OR DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.</div><div>14. ALL GRASS AREAS AFFECTED SHALL BE RE-SODDED.</div><div>15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DEWATERING PERMIT. COST OF THE PERMIT AND DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.</div><div>16. THE CONTRACTOR SHALL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AND DESIGNATED STAGING AREAS.</div><div>17. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.</div><div>18. ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.</div><div>19. ALL DISPOSAL OF MATERIALS, RUBBISH AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT AREAS WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED PROPERLY. OWNERSHIP OF DEMOLISHED MATERIAL SHALL BE SPECIFIED AND A CHAIN OF CUSTODY PROVIDED TO THE OWNER.</div><div>20. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE CITY, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE CITY WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR WILL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE CITY.</div><div>21. EXISTING ABOVEGROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT BE ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF/HERSELF WITH CURRENT CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.</div><div>22. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, AND UTILITIES SHOWN AND NOT SHOWN ON THE DRAWINGS. ANY STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS DAMAGED, EXPOSED OR ANY WAY DISTURBED SHALL BE REPAIRED, PATCHED, OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.</div><div>23. CONTRACTOR SHALL AVOID THE REMOVAL AND ANY DAMAGE TO ANY EXISTING TRESS UNLESS OTHERWISE DIRECTED BY THE CONTRACT DOCUMENTS.</div><div>24. CONTRACTOR SHALL PROTECT MANGROVES IN THE AREA OF WORK. TRIMMING AND REMOVAL OF MANGROVES IS RESTRICTED BY BROWARD COUNTY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED TO TRIM OR REMOVE MANGROVES.</div></div></div>	<div><div>1. EXISTING UTILITIES ARE CONSIDERED TO BE SHOWN IN THE HORIZONTAL DRAWING WITH REASONABLE ACCURACY. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE WHATEVER FURTHER INVESTIGATIONS ARE NECESSARY TO ESTABLISH THE EXACT LOCATION OF THE EXISTING UTILITY AND ADJUST ROUTING OF NEW UTILITY FACILITIES PRIOR TO LAYING THE NEW UTILITIES TO MEET THE INTENT OF THE DESIGN.</div><div>2. EXPLORATORY OR PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF THE PROPOSED, UTILITIES, STRUCTURES, FRENCH DRAINS AND CONDUITS, POLE FOUNDATIONS AND/OR SUB GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION AS DIRECTED BY THE CITY. THE CONTRACTOR SHALL PROVIDE THE CITY AND UNDERGROUND UTILITY OWNERS WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE-TRENCHING SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST RELATED TO THE BID ITEM.</div><div>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING UTILITIES THAT INTERFERE WITH THE INSTALLATION OF NEW UTILITIES, AND TO OTHERWISE DEFINE A ROUTING FOR ALL NEW UTILITIES OVER, UNDER, OR AROUND THE REMAINING EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST ASSOCIATED WITH THE RELOCATION OF EXISTING UTILITIES. THE CONTRACTOR IS ADVISED THAT TRENCH EXCAVATION FOR EXISTING UTILITIES MAY BE AS DEEP AS 7 FEET TO ALLOW FOR ACCEPTABLE ROUTING.</div><div>4. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY THAT DURING CONSTRUCTION UNDERGROUND PIPING AND UTILITIES OTHER THAN THAT SHOWN MAY BE ENCOUNTERED. ANY DAMAGE TO EXISTING PIPING AND UTILITIES MUST BE REPAIRED IMMEDIATELY AT THE EXPENSE OF THE CONTRACTOR.</div></div>	<div><div><div><div></div><div>CITY OF HOLLYWOOD PUBLIC UTILITIES</div><div>2600 HOLLYWOOD BOULEVARD, HOLLYWOOD, FLORIDA 33020-4807 954-967-4357 hollywoodfl.org</div></div></div><div><div></div><div>Environmental Engineering and Consulting 1901 Douglas Corporate Parkway, Suite 400, Sunrise, Florida 33322 (954)200-7911 Florida Board of Professional Engineers Certificate of Authorization No. 00002002</div></div><div><div><div>CONTRACT - XXX FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4 PUMP STATION HOLLYWOOD FLORIDA PUBLIC UTILITIES CIVIL GENERAL NOTES</div></div></div><div><div>DRAWING ISSUED</div><table><thead><tr><th>REVISION</th><th>No.</th><th>DESCRIPTION</th><th>DATE</th><th>BY</th></tr></thead><tbody><tr><td></td><td>A</td><td></td><td></td><td></td></tr><tr><td></td><td>B</td><td></td><td></td><td></td></tr><tr><td></td><td>C</td><td></td><td></td><td></td></tr><tr><td></td><td>D</td><td></td><td></td><td></td></tr></tbody></table><div>FOR CONSTRUCTION</div><table><tbody><tr><td colspan="2">PROJ No.: 115842</td></tr><tr><td>DESIGNED: J.JULIEN</td><td>CHECKED: R.ABORDO</td></tr><tr><td>DRAWN: J.JULIEN</td><td>FINAL CHECK: D.HERRERA</td></tr></tbody></table><div><div></div><div>Signer Name: Diego Herrera Signing Reason: I approved this document. Signing Time: 2025-01-10 13:31:19(EST)</div></div><div><div>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DIEGO M. HERRERA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.</div><div>LINE IS 2 INCHES AT FULL SIZE</div><table><tbody><tr><td>DATE: 3/21/2024</td><td>SCALE: AS NOTED</td></tr></tbody></table><div>SHEET: C-001</div></div></div></div>	REVISION	No.	DESCRIPTION	DATE	BY		A					B					C					D				PROJ No.: 115842		DESIGNED: J.JULIEN	CHECKED: R.ABORDO	DRAWN: J.JULIEN	FINAL CHECK: D.HERRERA	DATE: 3/21/2024	SCALE: AS NOTED
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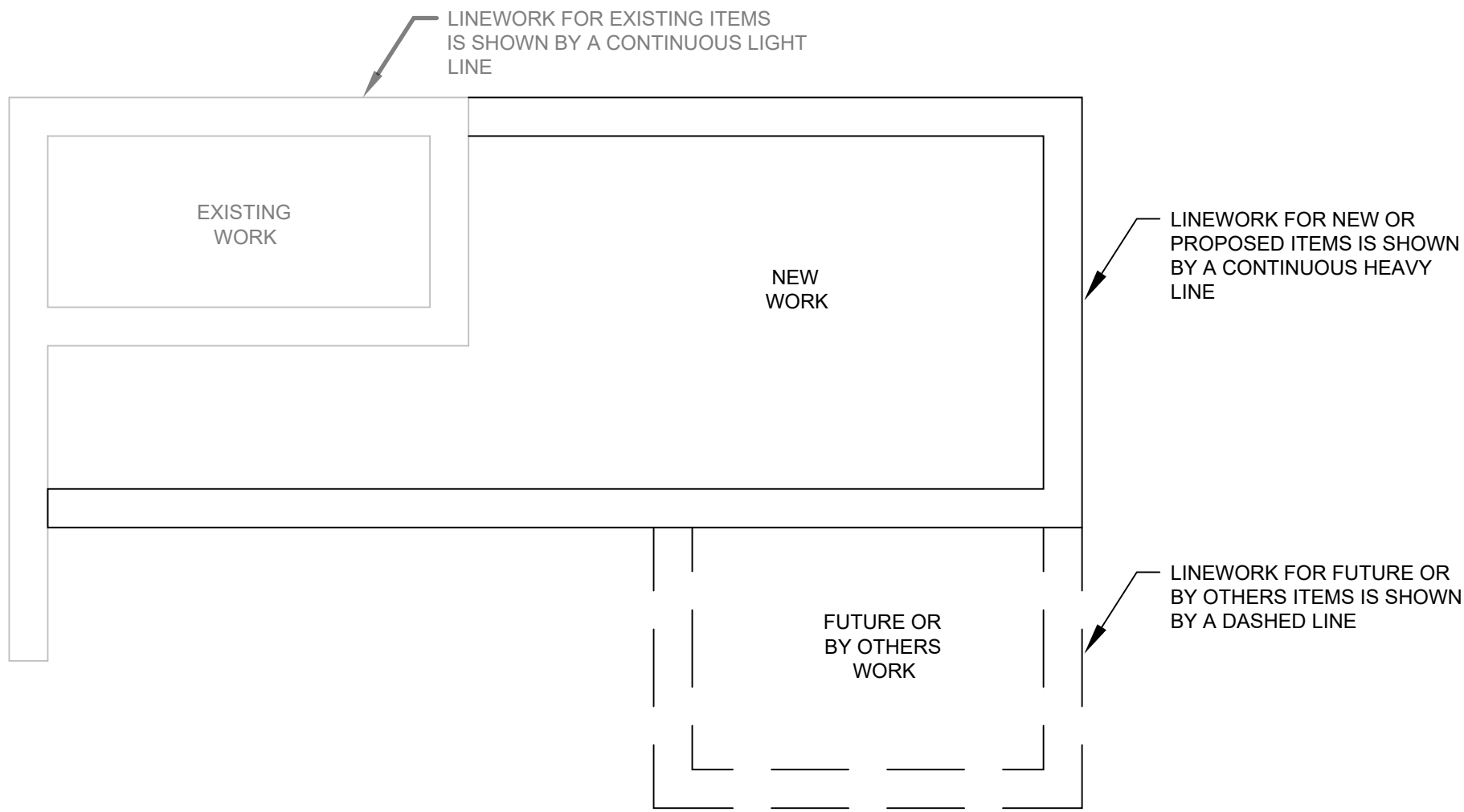
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Plot Date: 3/21/2024
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CIVIL ABBREVIATIONS

A	AIR PIPING	MIN	MINIMUM
ABAND	ABANDONED	MJ	MECHANICAL JOINT
ABI	AERATION BASIN INFLUENT	MRL	MINIMUM RESTRAINED LENGTH
ALUM	ALUMINUM	MW	MONITORING WELL
ARV	AIR RELIEF VALVE	N	NORTH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NO.	NUMBER
AWWA	AMERICAN WATER WORKS ASSOCIATION	NPW	NONPOTABLE WATER
BE	BURIED ELECTRIC	NTS	NOT TO SCALE
BOB	BOTTOM OF BANK	O.C.	ON CENTER
BOC	BOTTOM OF CURB	OD	OUTSIDE DIAMETER
C.I.	CAST IRON	OS&Y	OUTSIDE STEM AND YOKE
C.I.P	CAST IRON PIPE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
CB	CATCH BASIN	OUT	OCEAN OUTFALL PIPE
CD	CONCENTRATE DRAIN	P.E.	POLYETHYLENE
CL	CENTERLINE, CLASS	PB	PERIMETER BERM
CLS	CHLORINE SUPPLY LINE	PD	PLANT DRAIN
CMP	CORRUGATED METAL PIPE	PLW	PLANT WATER
CO	CLEANOUT	PPD	PRESSURIZED PROCESS DRAIN
COMM	COMMUNICATION	PRB	POLLUTION RETARDANT BAFFLE
CON	CONCENTRATE EFFLUENT	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PVC	POLYVINYL CHLORIDE
CONT	CONTINUOUS	PW	POTABLE WATER
CTRS	CENTERS	R	RADIUS
D	DRAIN	RAS	RETURN ACTIVATED SLUDGE
D.F.T	DRY FILM THICKNESS	RCL	ROAD CENTER LINE
DB	DITCH BLOCK	RCP	REINFORCED CONCRETE PIPE
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	RL	RESTRAINED LENGTH
DI	DUCTILE IRON	RPM	ROADWAY PAVEMENT MARKER
DIA	DIAMETER	RZPA	REDUCED PRESSURE ZONE ASSEMBLY
DIP	DUCTILE IRON PIPE	RS	RAW SEWAGE / INFLUENT
DIW	DEEP INJECTION WELL	RSWF	RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES
DR	DRAIN	RW	REUSE WATER
DZMW	DUAL ZONE MONITORING WELL	S	SEWER
E	EAST, ELECTRIC	SAN	SANITARY SEWER
E.W.	EQUIVALENT WIRE	SD	STORM DRAIN
EB	ELECTRICAL DUCT BANK	SDR	STANDARD DIMENSION RATIO
ECSD	ENGINEERING AND CONSTRUCTION SERVICES DIVISION	SEC	SECONDARY EFFLUENT
EFF	EFFLUENT	SQ	SQUARE
EL	ELEVATION	SQ. FT.	SQUARE FEET
EOP	EDGE OF PAVEMENT	SS	STAINLESS STEEL
EXIST	EXISTING	SST	STAINLESS STEEL TYPE 316
EXT	EXTENSION	STA	STATION
FAC	FLORIDA ADMINISTRATIVE CODE	STD	STANDARD
FFE	FINISHED FLOOR ELEVATION	STD	STORM DRAIN
FM	FORCE MAIN	SW	SEAL WATER, SERVICE WATER
FOC	FIBER OPTIC CABLE	TOB	TOP OF BANK
FPL	FLORIDA POWER AND LIGHT	TOC	TOP OF CONCRETE / CURB
FRP	FIBERGLASS REINFORCED POLYESTER	TOW	TOP OF WALL
FT	FEET	TW	TEMPORARY WATER
G.V	GATE VALVE	TYP	TYPICAL
GALV	GALVANIZED	UGE	UNDERGROUND ELECTRIC
GR	GRADE	UNK	UNKNOWN
H.P.	HIGH POINT	V	VALVE
HDPE	HIGH DENSITY POLYETHYLENE	W	WATER
HP	HORSEPOWER	W/	WITH
HW	HEADWALL	WAS	WASTE ACTIVATED SLUDGE
HW	HEADWORKS	WM	WATER MAIN
IN	INCH	WP	WEATHERPROOF
INF	INFLUENT / RAW SEWAGE	WV	WATER VALVE
INV	INVERT	WWF	WELDED WIRE FABRIC
IW	INJECTION WELL	YD	YARD, YARD DRAIN
LBR	LIMEROCK BEARING RATIO	YI	YARD INLET
MAX	MAXIMUM		
MIL	MILLIMETER		

EXISTING, NEW, AND FUTURE DESIGNATIONS



GENERAL

— — — FM — — —	FORCEMAIN
——— WM ———	POTABLE WATER
— — — SL — — —	SITE LIGHTING
— — — BE — — —	BURIED ELECTRICAL
— — — SAN — — —	SANITARY SEWER
— — — PLW — — —	PLANT WATER
— — — STD — — —	STORM DRAINAGE
— — — R-W — — —	RIGHT-OF-WAY
— — — P/L — — —	PROPERTY LINE
— — — C/L — — —	CENTERLINE
— X — X — X —	NEW FENCE LINE
— X — X — X —	EXISTING FENCE LINE
— — — E/L — — —	EASEMENT LINE
——— ———	SECTION LINE
——— C/L ———	CENTERLINE & PROJECT BASELINE WITH STATIONING
— — — L/L — — —	LOT LINE
— — — BT — — —	BURIED TELEPHONE
— — — RW — — —	REUSE WATER
— — — CATV — — —	BURIED CABLE TV
— — — GAS — — —	BURIED GAS LINE
— — — OU — — —	OVERHEAD UTILITY
— — — SF — — —	SILT FENCE
— O — O — O —	TURBIDITY BARRIER
— — — LOD — — —	LIMITS OF DISTURBANCE

→	ANCHOR
ⓑ	BOLLARD / GUARD POST
▧	CATCH BASIN
Ⓢ	CLEANOUT
▲	MONITORING WELL
☀	LIGHT POLE
Ⓢ	EXISTING STORM DRAINAGE MANHOLE
Ⓢ	EXISTING SEWER MANHOLE
Ⓢ	EXISTING ELECTRIC MANHOLE
Ⓢ	EXISTING WATER METER
Ⓢ	TEST HOLE
▼	DIRECTION OF FLOW IN A SWALE
8.76	PROPOSED SPOT ELEVATIONS
~	DRAINAGE FLOW ARROW
→	TRAFFIC PATTERN FLOW ARROW
Ⓢ	INLET PROTECTION
Ⓢ	DEMOLISHED
Ⓢ	FILTER FABRIC PROTECTED INLET
▧	RUMBLE STRIPS
Ⓢ	BORING LOCATION & DESIGNATION

PIPE SYMBOLS

NEW PIPE
EXISTING PIPE (TO REMAIN)
EXISTING PIPE (TO BE REMOVED)
FUTURE PIPE (BY OTHERS)

SURFACES

EXISTING FACILITIES
NEW FACILITIES
EXISTING CRUSHED LIMEROCK/GRAVEL
NEW CRUSHED LIMEROCK/GRAVEL
EXISTING ASPHALT PAVEMENT
NEW ASPHALT PAVEMENT
EXISTING CONCRETE
NEW CONCRETE
CONCRETE DEMOLITION
REMOVE AND DISPOSE
NEW SOD

CALLOUTS

S22	COORDINATE POINT
1	SAMPLE POINT LOCATION
1	KEYNOTE
A	SPECIAL NOTE
1	COORDINATE POINT
1	SEQUENCING NOTE



CITY OF HOLLYWOOD PUBLIC UTILITIES

2600 HOLLYWOOD BOULEVARD,
HOLLYWOOD, FLORIDA 33020-4807
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hollywoodfl.org



Environmental Engineering and Consulting
9800 Douglas Corporate Parkway, Suite 400, Sunrise, Florida 33322 (954) 960-3911
Florida Board of Professional Engineers Certificate of Authorization No. 00002002

CONTRACT - XXX
FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4
PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
CIVIL ABBREVIATIONS, SYMBOLS, AND LEGENDS

DRAWING ISSUED

REVISION	No.	DESCRIPTION	DATE	BY
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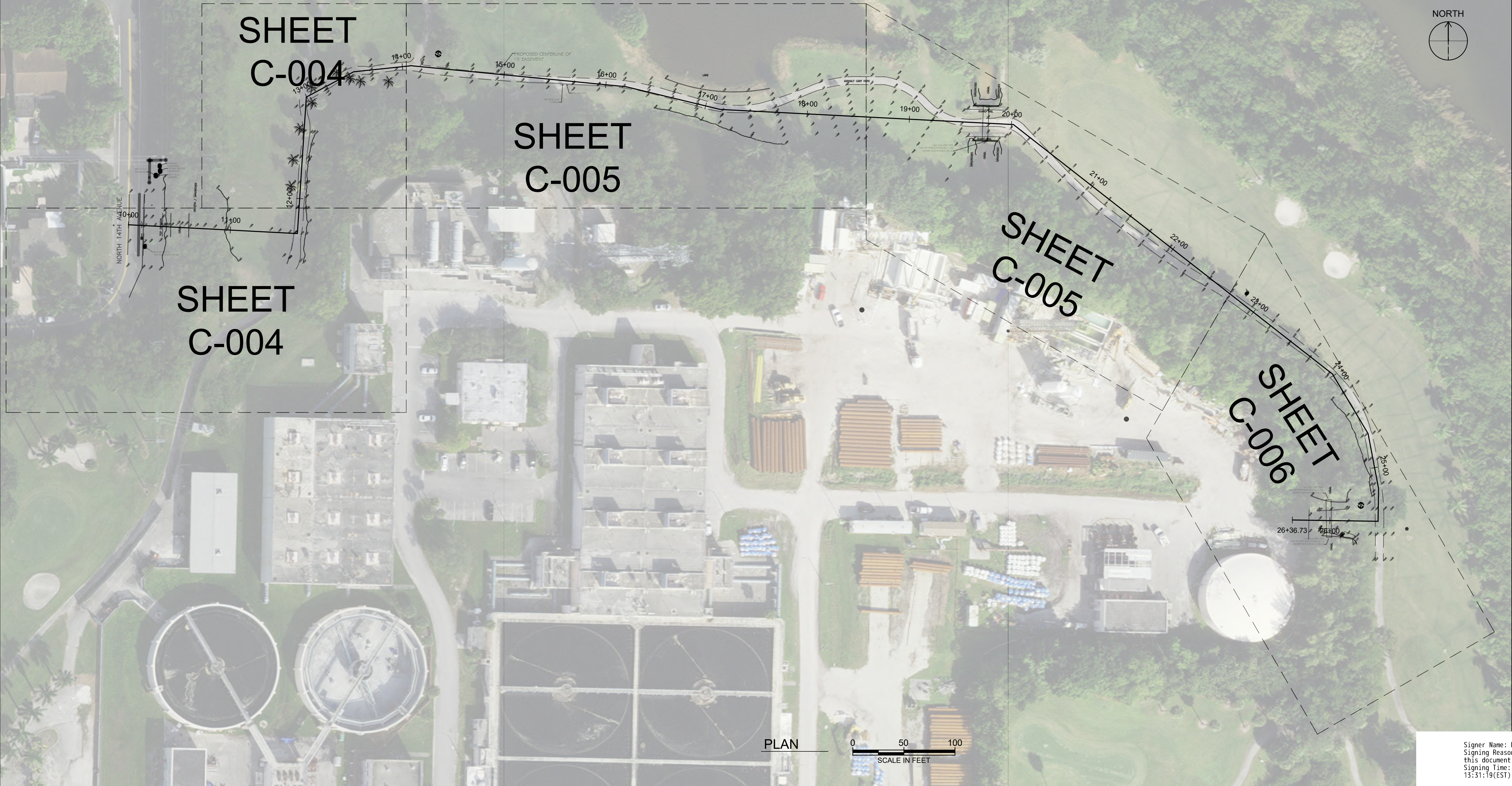
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SHEET: C-002





CITY OF
HOLLYWOOD
PUBLIC
UTILITIES

2800 HOLLYWOOD BOULEVARD,
HOLLYWOOD, FLORIDA 33020-4807
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PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
FPL FEEDER 1 CIVIL KEY MAP

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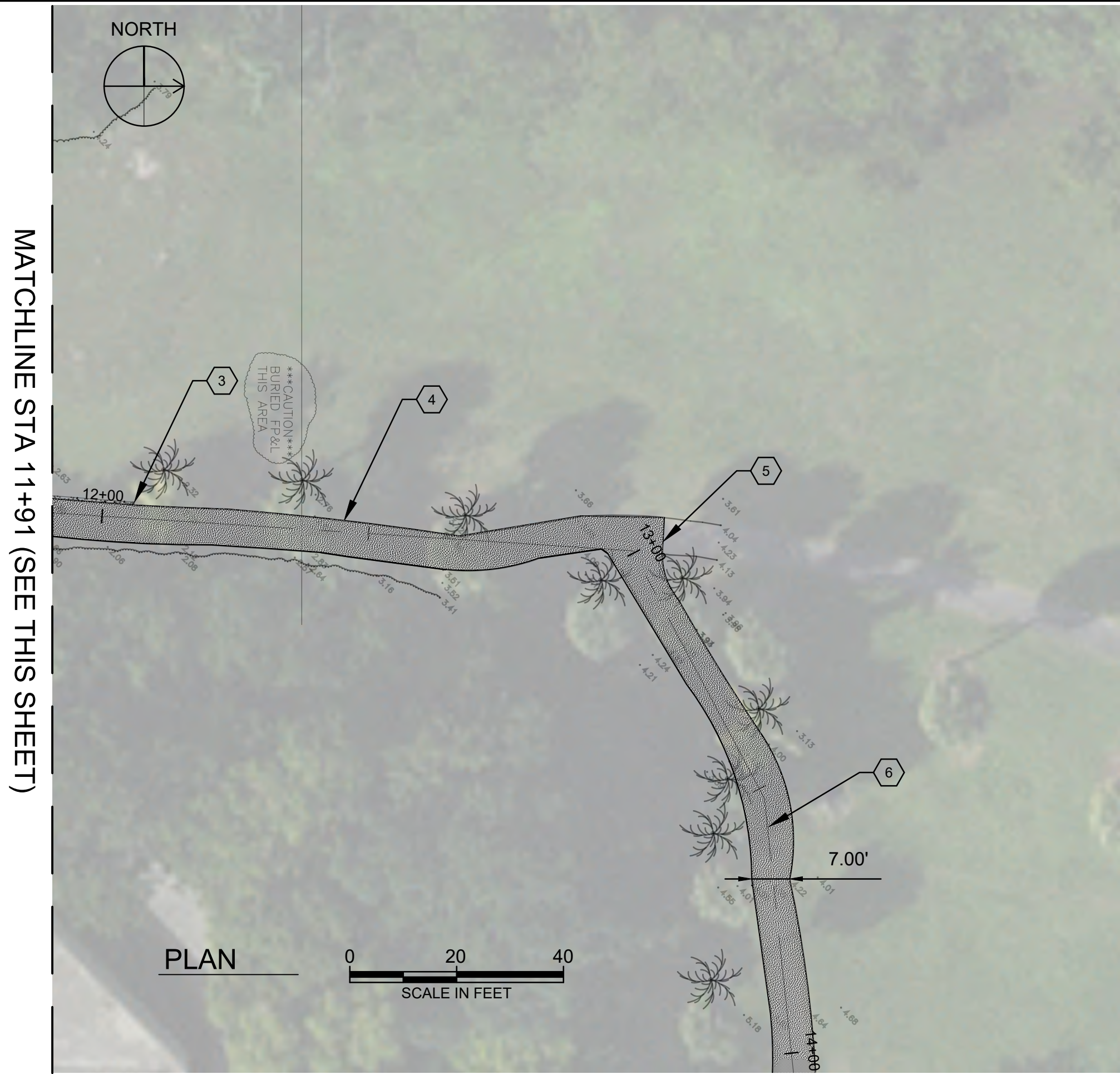
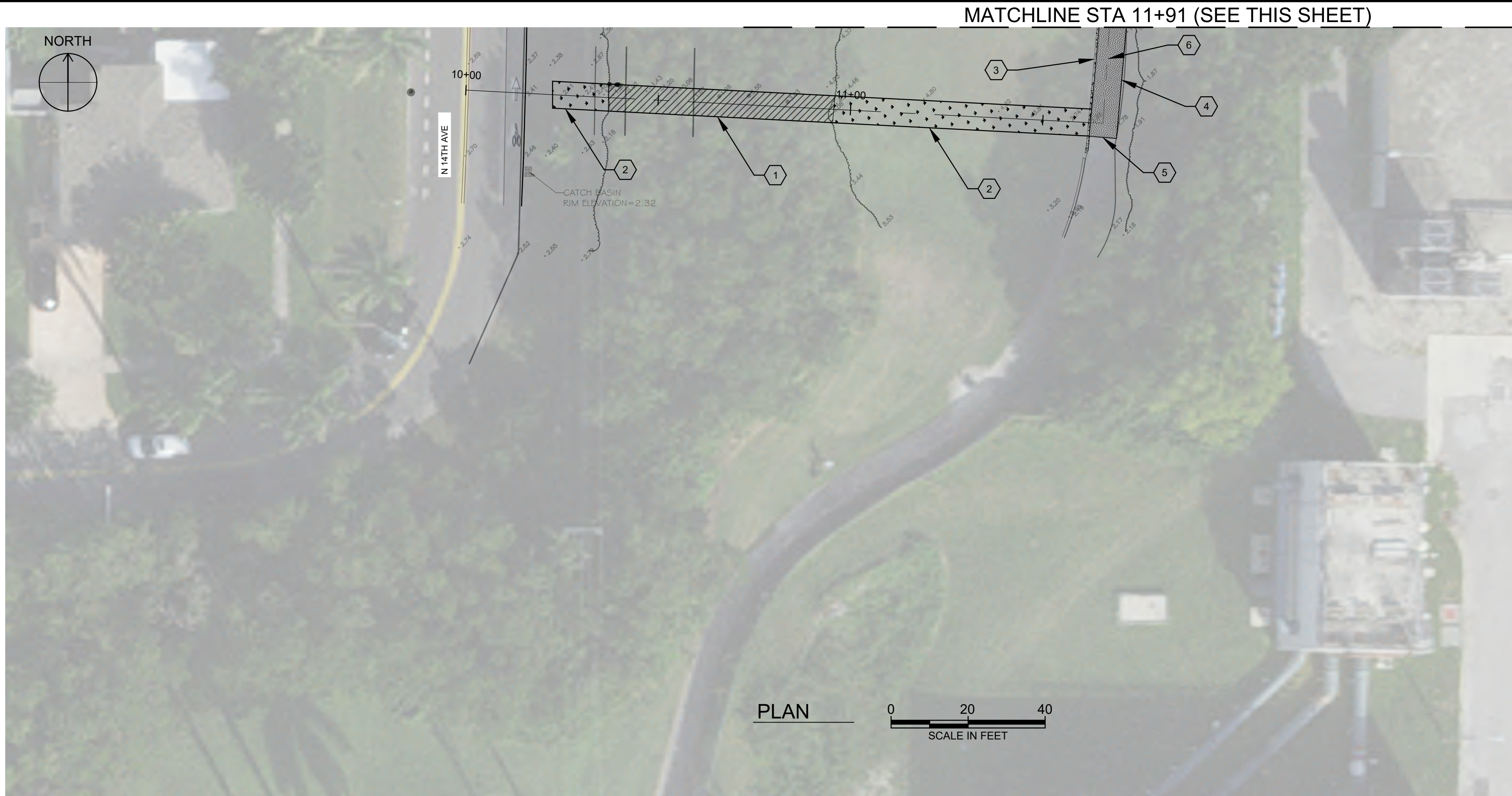


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GENERAL NOTES:

1. ALL NEW SOD SHALL BE BERMUDA GRASS.

KEYNOTES:

1. DENSE VEGETATION. CONTRACTOR SHALL OBTAIN PERMITS PRIOR TO TRIMMING OR CUTTING MANGROVES.

2. SOD RESTORATION. SEE DETAIL C5001.

3. CONCRETE CURB RESTORATION. SEE DETAIL C5003.

4. ASPHALT RESTORATION. SEE DETAILC5001.

5. SAW-CUT EXISTING PAVEMENT. CONTRACTOR SHALL INSTALL NEW PAVEMENT AND ALLOW FOR A FLUSHED TRANSITION TO THE EXISTING PAVEMENT.

6. SLOPE OF NEW ASPHALT SHALL BE A MINIMUM OF 2%.

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PUMP STATION

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FPL FEEDER 1 RESTORATION PLAN VIEW 1

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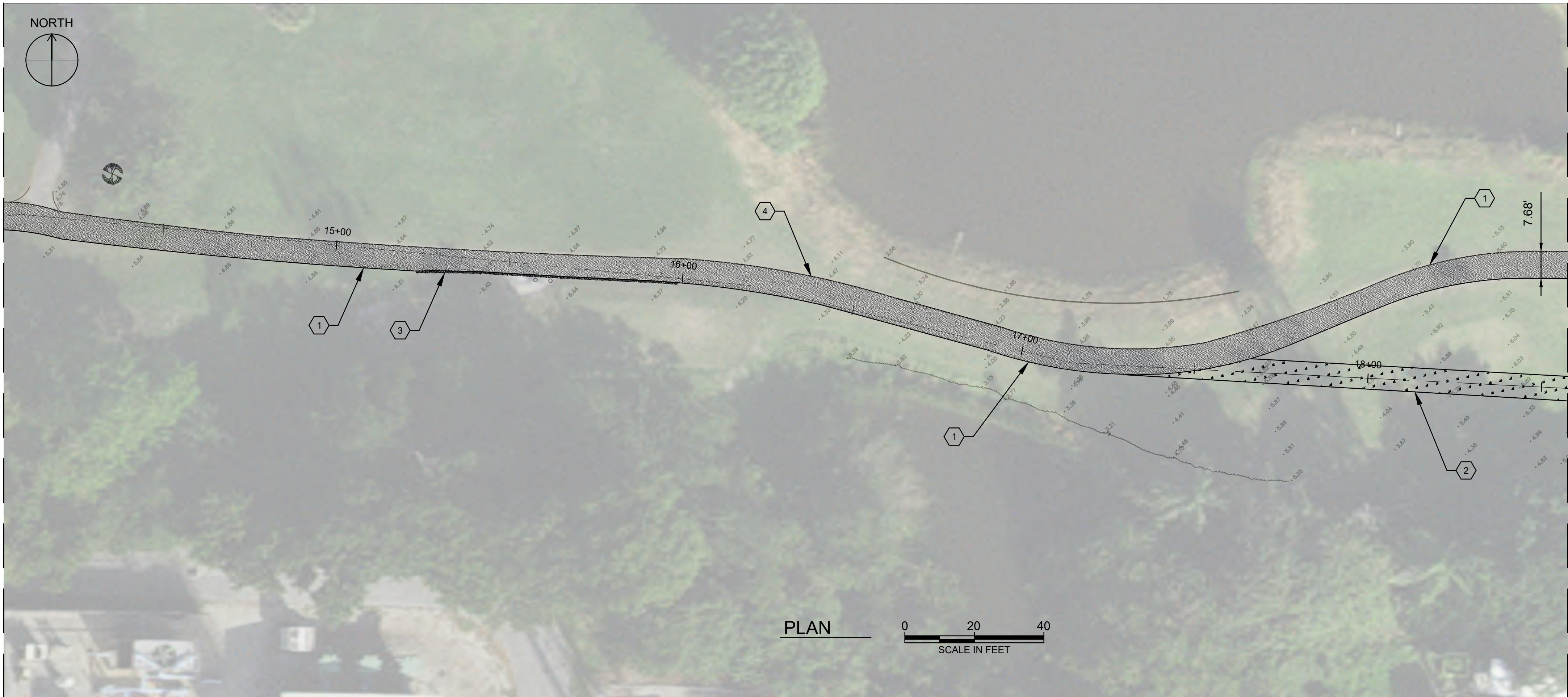
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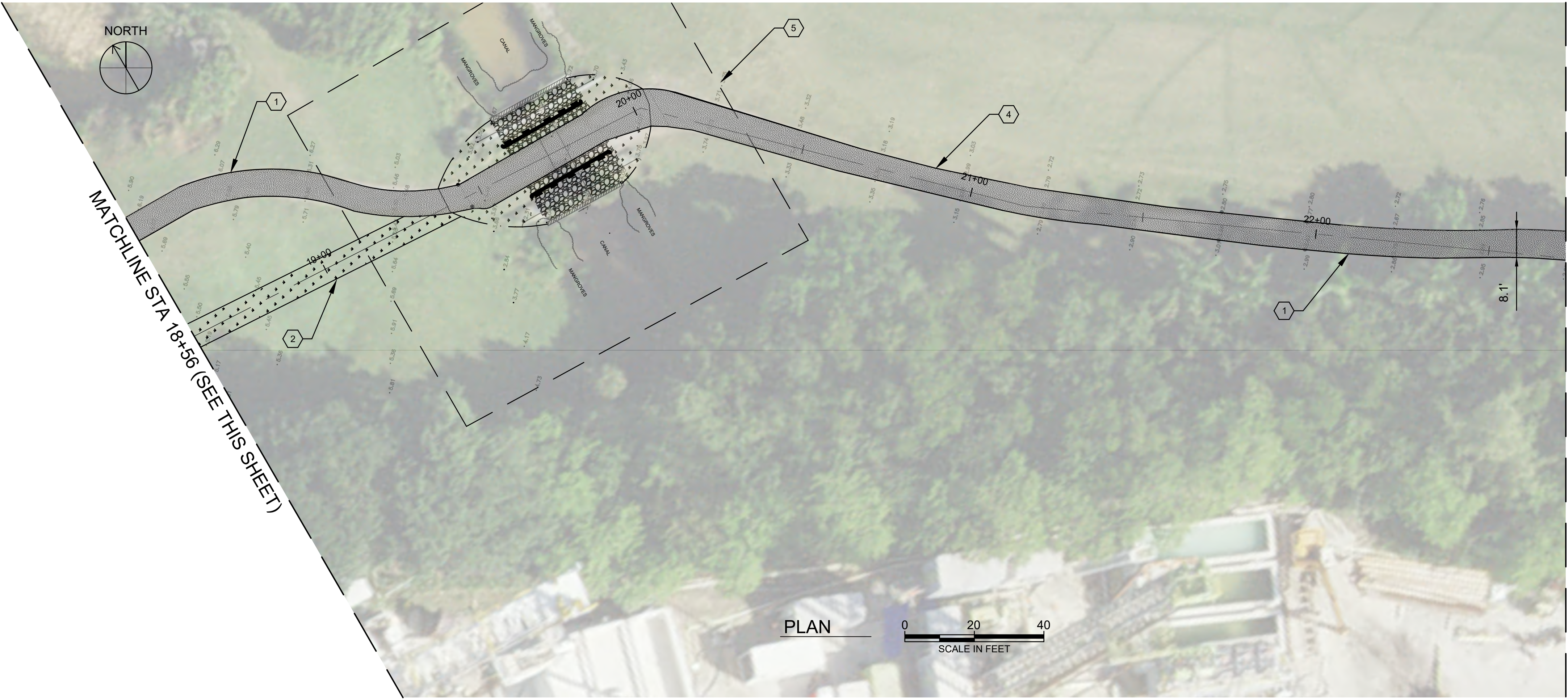
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MATCHLINE STA 14+04 (SEE SHEET C-004)



MATCHLINE STA 18+56 (SEE THIS SHEET)

MATCHLINE STA 18+56 (SEE THIS SHEET)



MATCHLINE STA 22+69 (SEE SHEET C-005)

GENERAL NOTES:

- ALL NEW SOD SHALL BE BERMUDA GRASS.

KEYNOTES:

- ASPHALT RESTORATION. SEE DETAIL C5001.
- SOD RESTORATION. SEE DETAIL C5001
- CONCRETE RESTORATION. SEE DETAIL C5003.
- SLOPE OF NEW ASPHALT SHALL BE A MINIMUM OF 2%
- SEE SHEET C-007 FOR CROSS SECTION AND DETAILS.



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FPL FEEDER 1 RESTORATION PLAN VIEW 2

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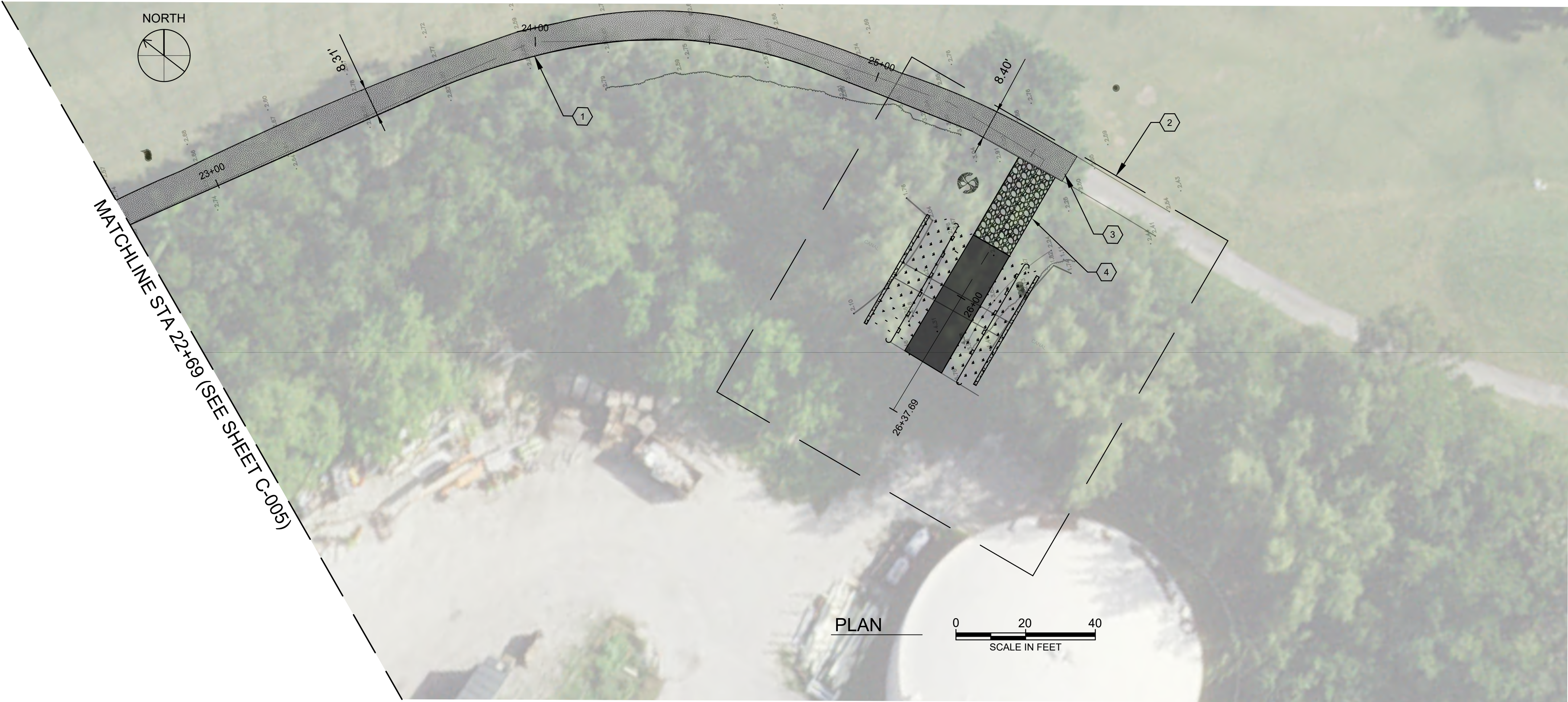
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GENERAL NOTES:

1. ALL NEW SOD SHALL BE BERMUDA GRASS.

KEYNOTES:

1. ASPHALT RESTORATION. SEE DETAIL C5001.
2. SEE SHEET C-007 FOR CROSS SECTION AND DETAILS.
3. SAW -CUT EXISTING PAVEMENT. CONTRACTOR SHALL INSTALL NEW PAVEMENT AND ALLOW FOR A FLUSH TRANSITION TO THE EXISTING PAVEMENT.
4. CONTRACTOR SHALL RESTORE AREA WITH NEW LIMEROCK. SEE DETAIL C5001.



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PUMP STATION

HOLLYWOOD FLORIDA PUBLIC UTILITIES

FPL FEEDER 1 RESTORATION PLAN VIEW 3

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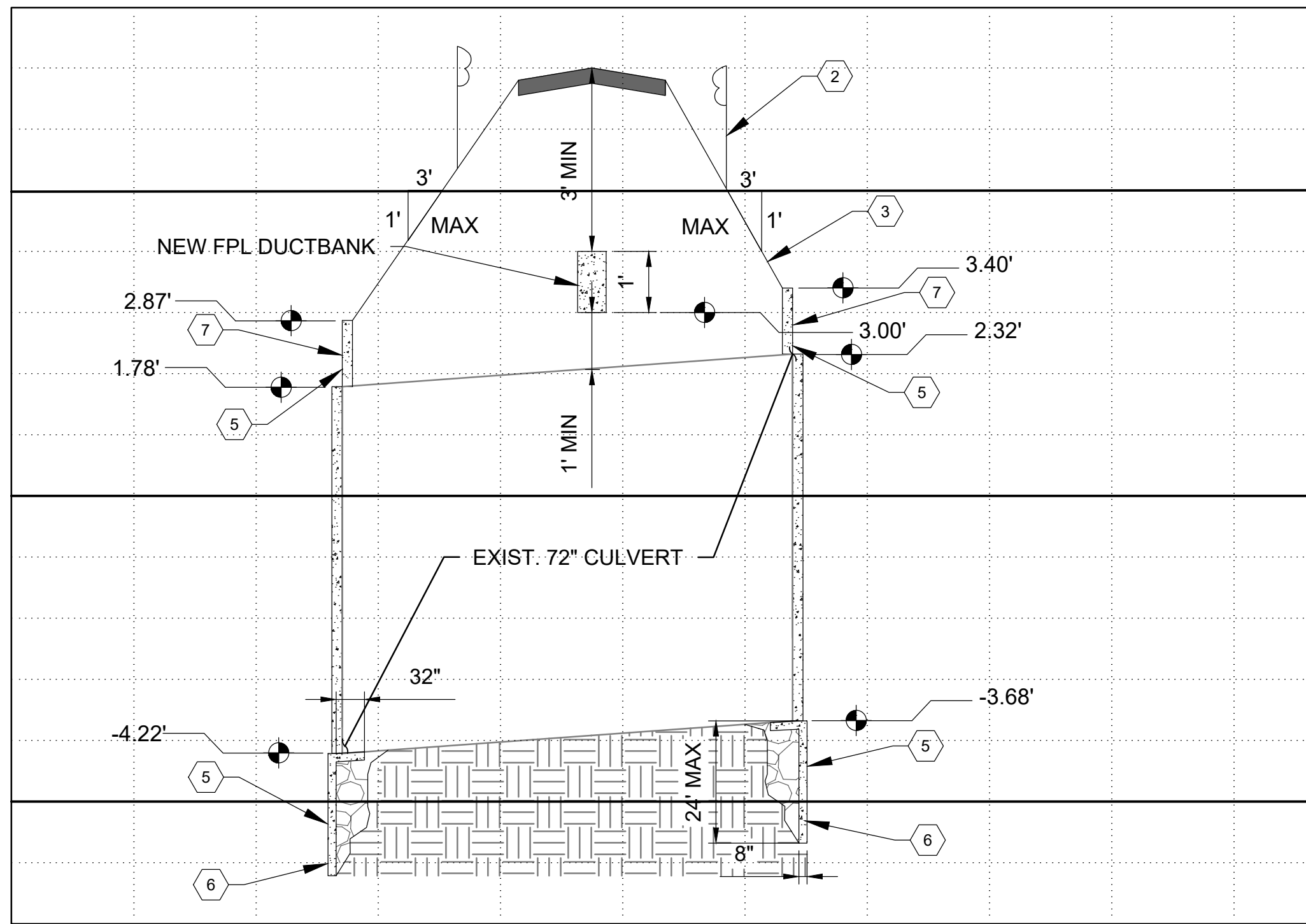
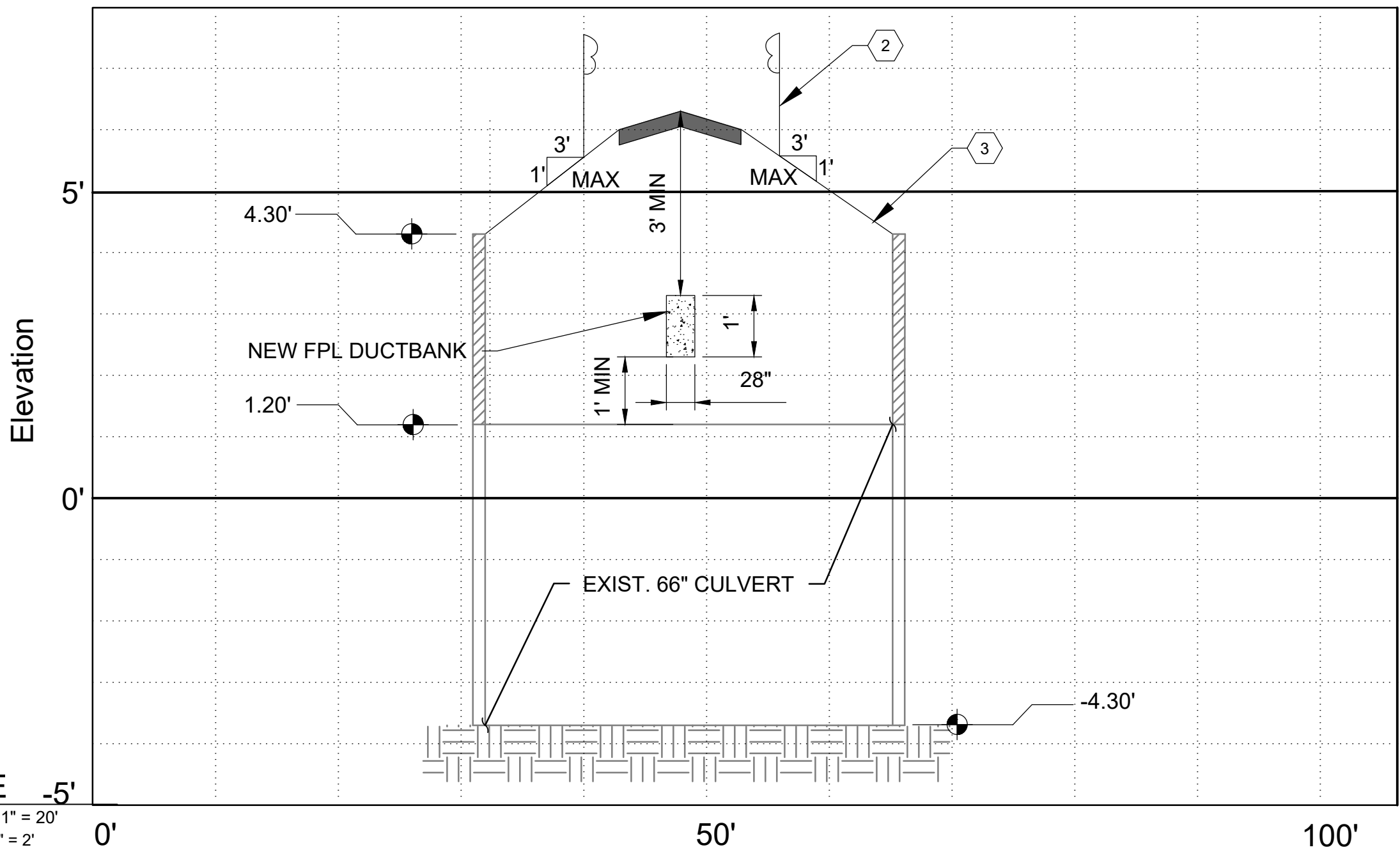
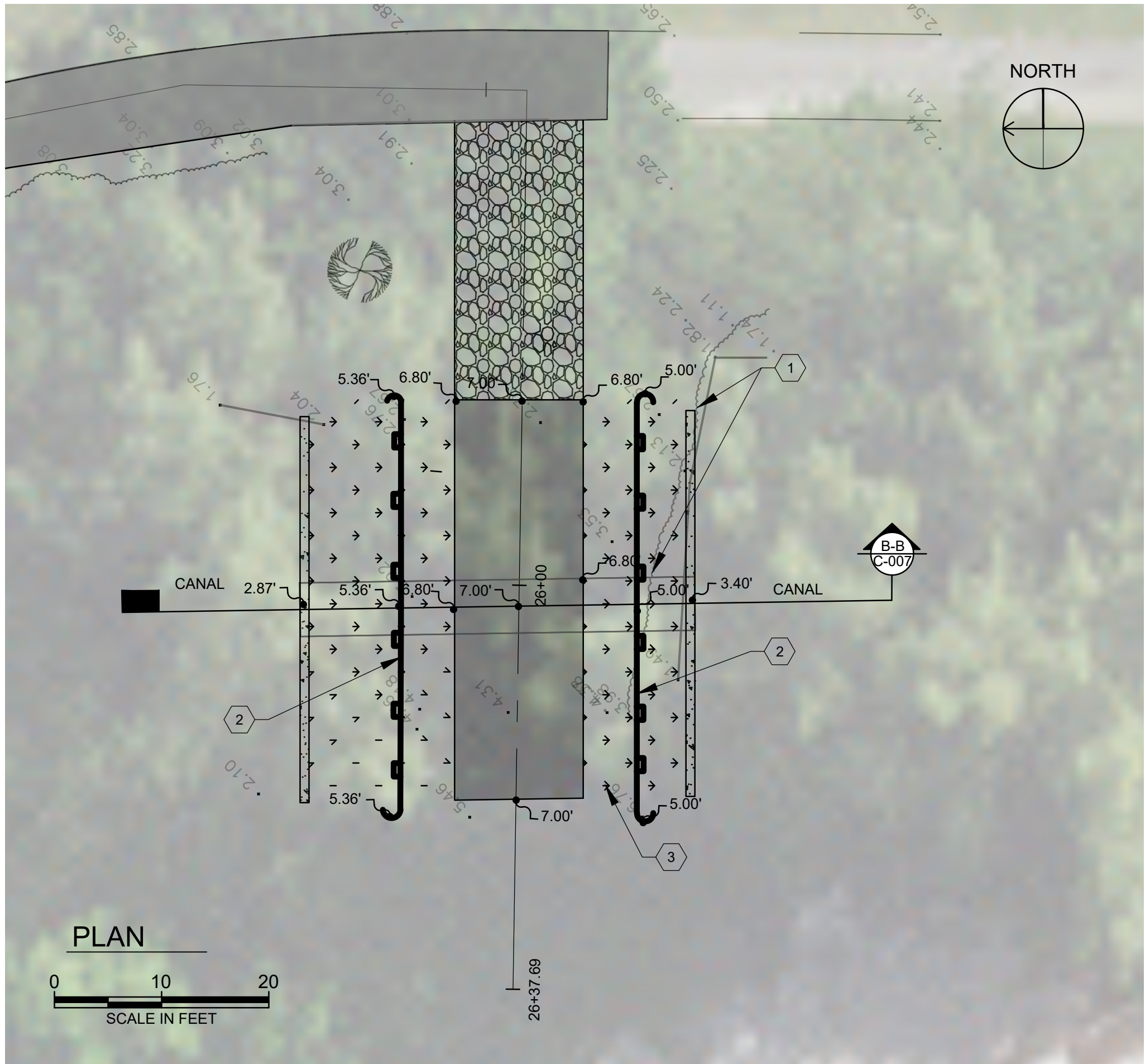
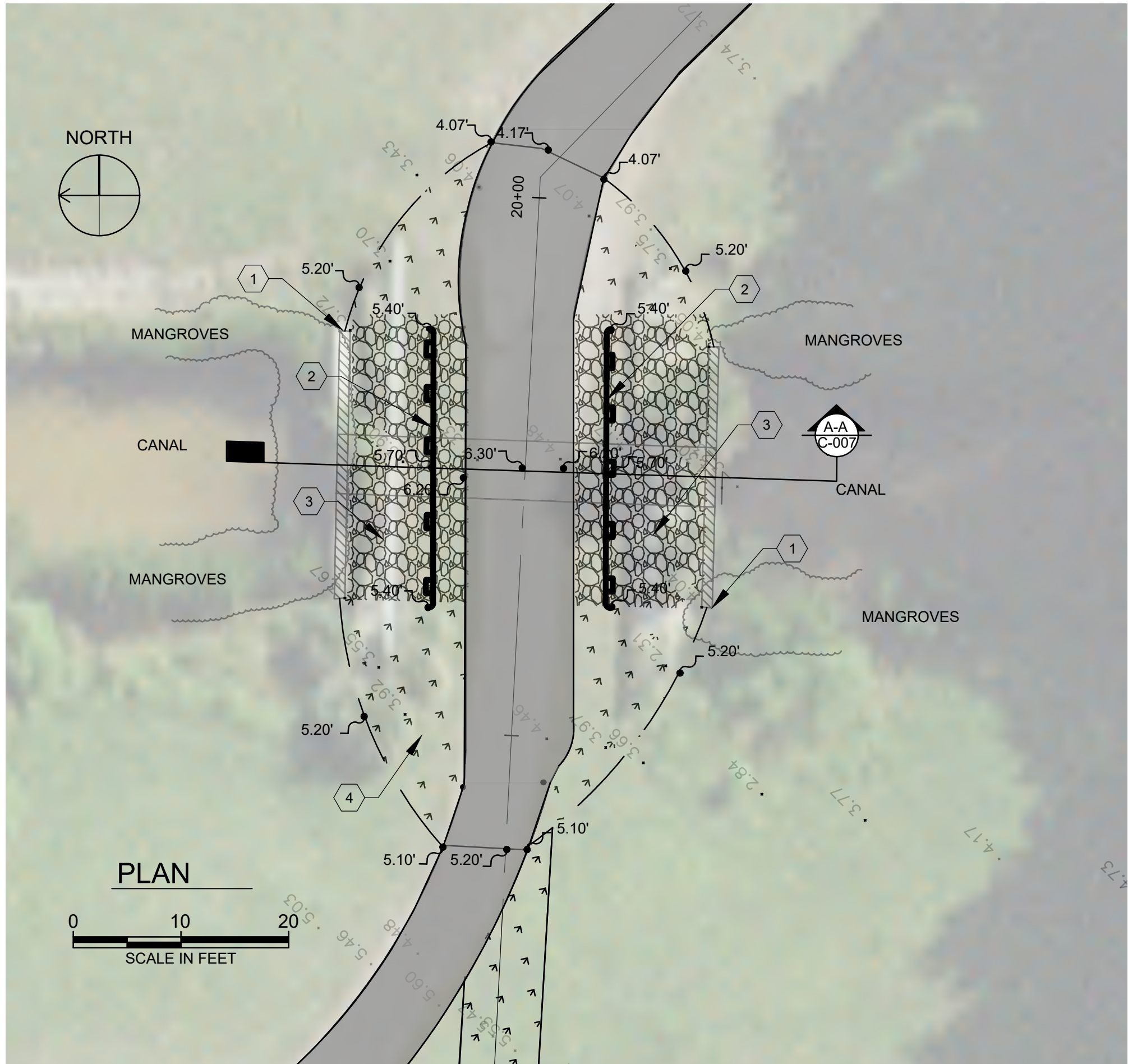
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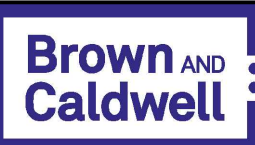
GENERAL NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING VEGETATION AS NEEDED TO PERFORM WORK..
2. NEW GUARDRAIL. SEE DETAIL C5004.
3. CRUSHED GRAVEL. SEE DETAIL C5001.
4. NEW SOD. SEE DETAIL C5001.
5. FDOT INDEX 430-033 STRAIGHT CONCRETE ENDWALL FOR SINGLE 72-INCH PIPE. CONTRACTOR SHALL BE GUIDED BY FDOT DETAIL. PIPE BASE SHALL BE INSTALLED USING LEAVING 12-INCHES OF CRUSHED ROCK AS A BASE.
6. DEWATERING FOR INSTALLATION OF ENDWALL SHALL BE PERFORMED BY CONTRACTOR AS REQUIRED TO INSTALL A FULLY OPERATIONAL ENDWALL.
7. REMOVAL OF EXIST. BACKFILL SHALL BE PERFORMED BY CONTRACTOR AS REQUIRED TO INSTALL A FULLY OPERATIONAL ENDWALL.



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GENERAL NOTES:

1. SILT FENCE - SEE DETAIL C4001.
2. TURBIDITY BARRIER.
3. TURBIDITY BARRIER AND INLET PROTECTION WITH FILTER. SEE DETAIL C4002.



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PUMP STATION
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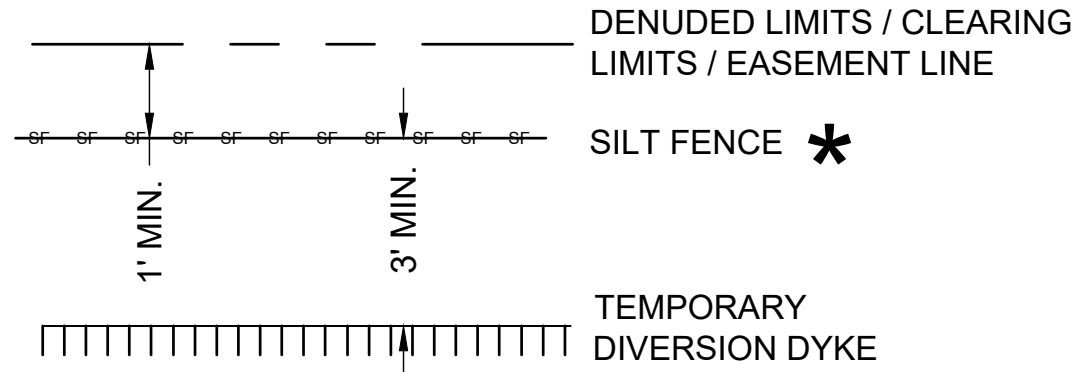
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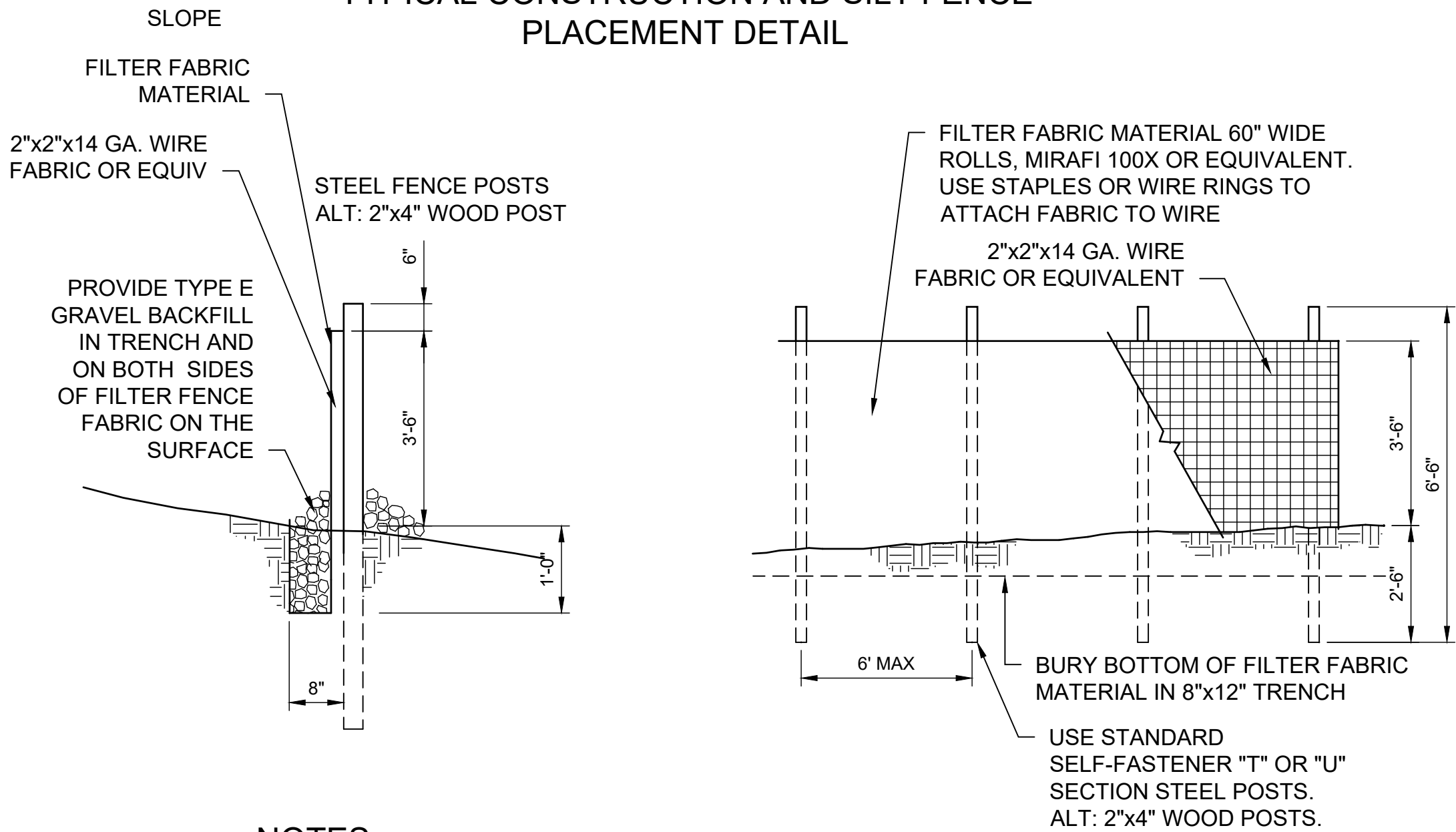
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CONSTRUCTION FENCE AND SILT FENCE AS SHOWN IN THE PLAN VIEW PER THIS DETAIL.

* HIGH HAZARD SEDIMENT FENCE SHALL BE REQUIRED WHEN ADJACENT TO STREAMS AND WETLANDS (AS SHOWN ON PLANS, SEE DETAIL C1207)

TYPICAL CONSTRUCTION AND SILT FENCE PLACEMENT DETAIL

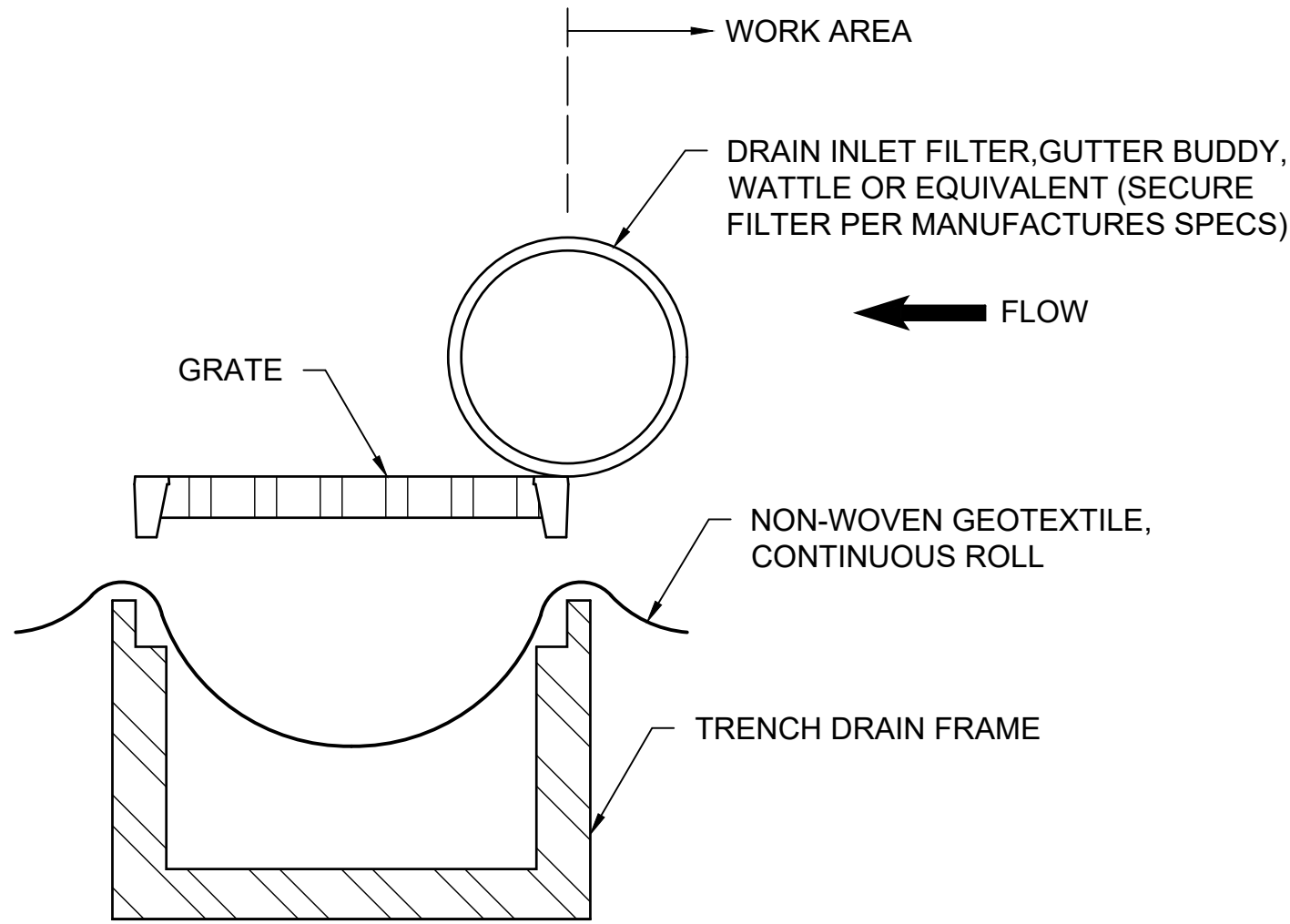


NOTES:

1. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
2. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY 8 INCHES WIDE AND 12 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. FILTER FABRIC SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG. THE FILTER FABRIC SHALL EXTEND INTO THE TRENCH A MINIMUM OF 12 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
5. THE TRENCH SHALL BE BACKFILLED WITH TYPE E GRAVEL BACKFILL.
6. UNLESS OTHERWISE NOTED, FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
7. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
8. REMOVE SEDIMENT WHEN IT REACHES 12 " IN HEIGHT, AND AT SUBSTANTIAL COMPLETION.

TEMPORARY SILT FENCE DETAIL

C4001
N.T.S.



NOTES:

1. SEDIMENT SHALL BE REMOVED FROM THE TRENCH DRAIN WHEN NO MORE THAN 1" OF SEDIMENT COLLECTS ON THE GEOTEXTILE.
2. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE GEOTEXTILE AND RE-INSERTING IT INTO THE TRENCH DRAIN. DISPOSE OF SEDIMENT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
3. PERFORM MAINTENANCE AS REQUIRED TO MAINTAIN EFFECTIVENESS.
4. TRENCH DRAIN FILTERS TO BE INSPECTED REGULARLY AND AFTER 0.25" RAINFALL IN A 24 HOUR PERIOD, OR BASED ON LOCAL CONDITIONS OR REQUIREMENTS, TO ENSURE THEY REMAIN PROPERLY LOCATED TO PROTECT THE DRAINAGE SYSTEM.
5. NON-WOVEN GEOTEXTILE FABRIC SHALL BE USED, OR AS STATED IN LOCAL REQUIREMENTS.

TRENCH DRAIN FILTER DETAIL

C4002
N.T.S.



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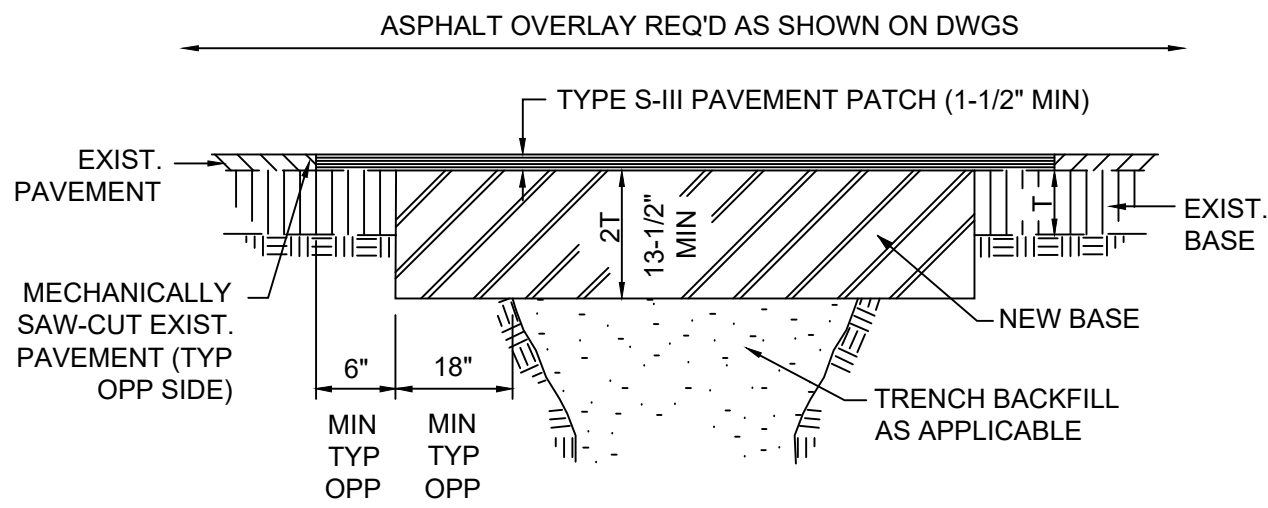
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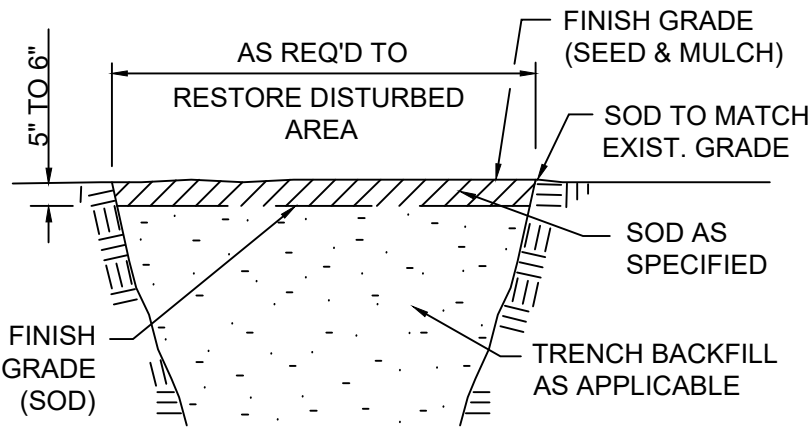
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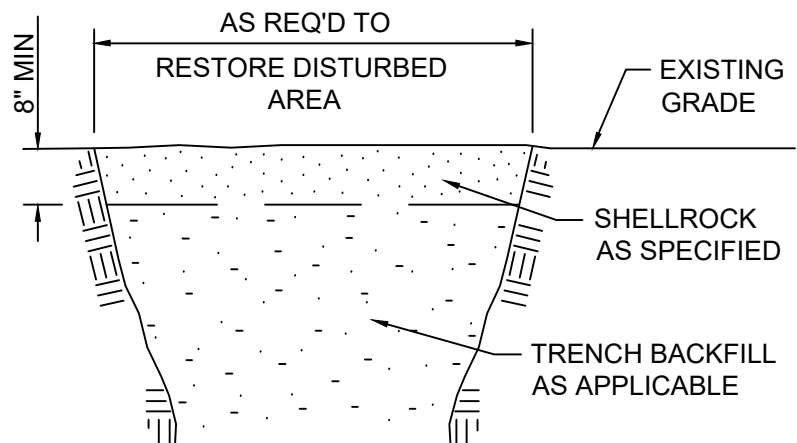
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ASPHALT DRIVEWAYS



GRASS AREAS



ROCK ROADWAYS AND DRIVEWAYS

NOTES:

1. ASPHALT ROADWAYS:

- PAVEMENT MATERIALS SHALL BE AS SPECIFIED.
- PREPARE BASE SECTION, SAW CUT EXISTING PAVEMENT AS APPLICABLE. PRIME COAT, TACK COAT, AND PLACE ASPHALT PATCH IMMEDIATELY FOLLOWING PIPE INSTALLATION.
- BASE MATERIAL SHALL BE TWICE THE THICKNESS OF EXISTING BASE MATERIAL, BUT IN NO CASE BE LESS THAN 13-1/2". BASE MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" AND COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180.
- PAVEMENT PATCH THICKNESS TO MATCH EXISTING PAVEMENT THICKNESS, BUT IN NO CASE LESS THAN 1-1/2".
- WHEN WORKING WITHIN THE R/W AND WHEN OVERLAY IS NOT REQUIRED, CONTRACTOR OR ENGINEER SHALL SCHEDULE A FIELD INSPECTION WITH THE BROWARD COUNTY RIGHT-OF-WAY AUTHORITY TO INSPECT CONDITION OF PATCH AFTER PLACEMENT. IF SAID AUTHORITY FINDS PATCH TO BE UNACCEPTABLE, THEN THE PATCH SHALL BE COMPLETELY REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 90 DAYS AFTER PLACEMENT OF ASPHALT PATCH, OVERLAY ROADWAY TO THE EXTENT AS SHOWN ON DRAWINGS AND NOTED HEREIN WITH A MINIMUM OF 1" TYPE S-III ASPHALTIC CONCRETE.
- APPLY TACK COAT PRIOR TO PLACING ASPHALTIC OVERLAY.
- EDGES OF OVERLAY SHALL BE KEYED TO EXISTING PAVEMENT.
- OVERLAY OR MILL/RESURFACE FOR DISTANCE OF 50' AND FULL LANE WIDTH, OR REMOVE ALL ASPHALT DOWN TO THE BASE ROCK AND REPLACE FOR DISTANCE OF 10' AND FULL LANE WIDTH.

2. CONCRETE DRIVES:

- AS APPLICABLE, EXISTING CONCRETE DRIVEWAYS SHALL BE REMOVED AND REPLACED FROM THE R/W LINE TO EDGE OF ROADWAY COMPLETELY. CONCRETE DRIVE DAMAGE OUTSIDE OF THE R/W SHALL ALSO BE RESTORED.
- NEW SLAB SHALL BE CONSTRUCTED TO THE LINES AND GRADES OF EXISTING DRIVEWAY PRIOR TO CONSTRUCTION.
- CONCRETE SHALL BE 3000 PSI AS SPECIFIED.
- SUBGRADE SHALL BE PREPARED AS SPECIFIED.

3. ASPHALT DRIVES:

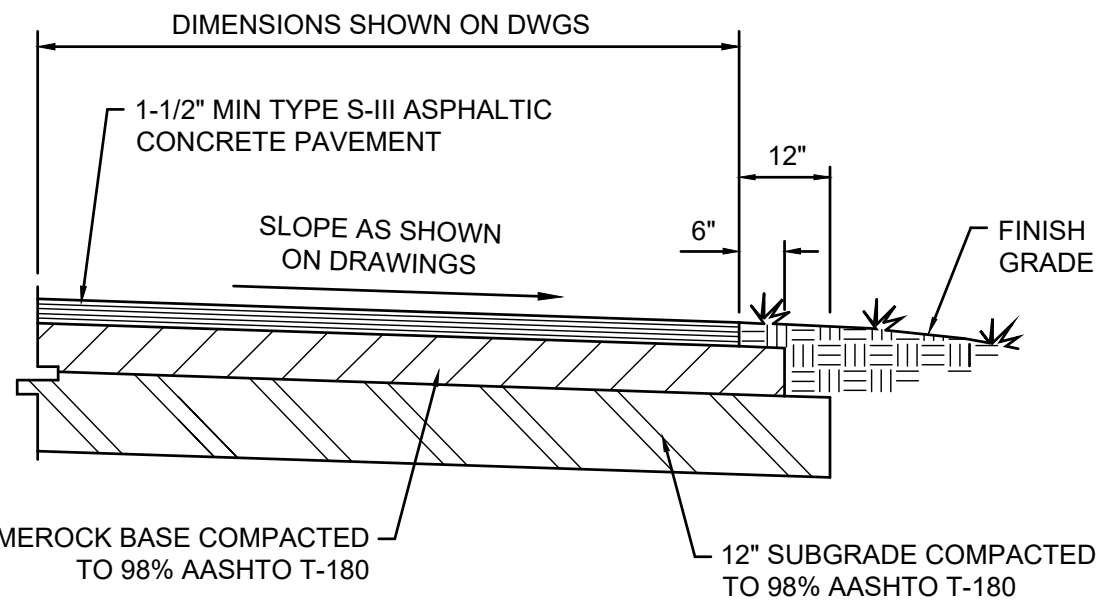
- REMOVE EXISTING ASPHALT DRIVEWAY SURFACE FROM R/W LINE TO EDGE OF ROADWAY COMPLETELY.
- PREPARE BASE SECTION AND PRIME COAT AS SPECIFIED DURING TRENCH BACKFILLING.
- APPLY TACK COAT AS SPECIFIED PRIOR TO PLACING ASPHALT.
- PAVEMENT MATERIALS SHALL BE AS SPECIFIED.
- NEW PAVEMENT SHALL BE CONSTRUCTED TO THE LINES AND GRADES OF EXISTING DRIVEWAYS PRIOR TO CONSTRUCTION.

4. CONCRETE SIDEWALKS:

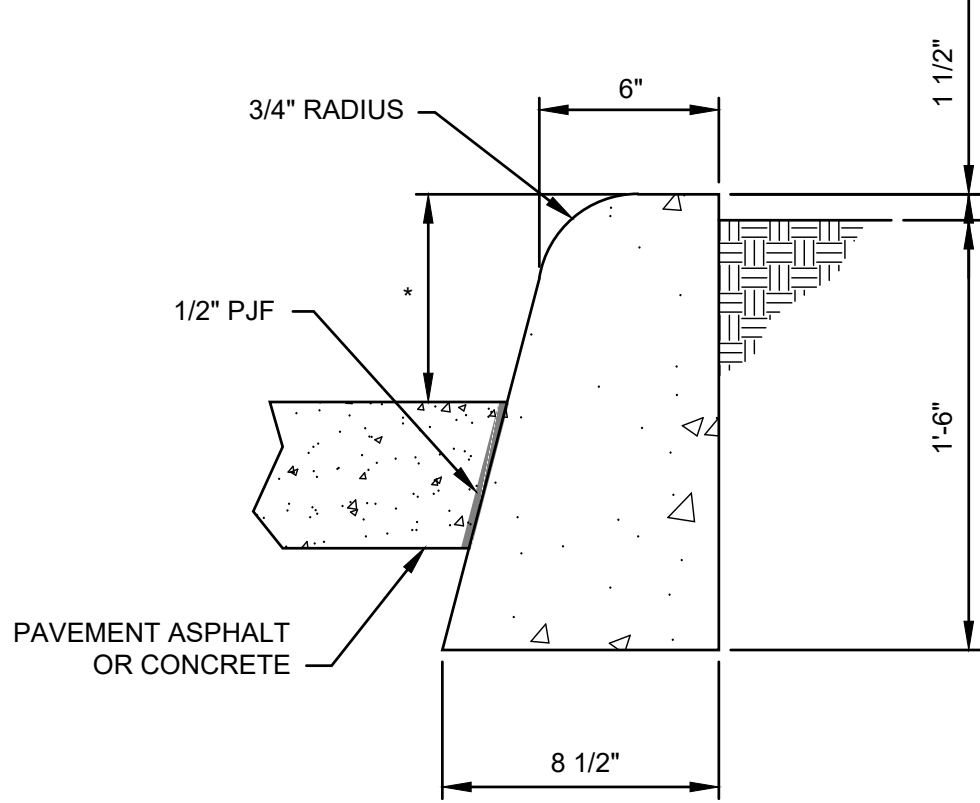
- SIDEWALK SHALL BE 4" THICK EXCEPT IN DRIVEWAYS WHERE THE THICKNESS SHALL BE 6". CONCRETE SHALL BE 3000 PSI AS SPECIFIED.
- TYPE "A" JOINTS SHALL BE PLACED AT 20' CENTERS ON SIDEWALKS PC'S AND PT'S OF CURVES, JUNCTIONS OF EXISTING AND NEW SIDEWALKS AND WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.
- TYPE "B" JOINTS SHALL BE PLACED AT 5' CENTERS ON SIDEWALKS.

5. GRASS AREAS:

- SOD TO MATCH EXISTING.
- DISTURBED AREAS ALONG CANAL R/W SHALL BE REGRADED AT A 20:1 REVERSE SLOPE, UNLESS OTHERWISE NOTED.
- ADD 3-INCH TO TOP OF SOIL.



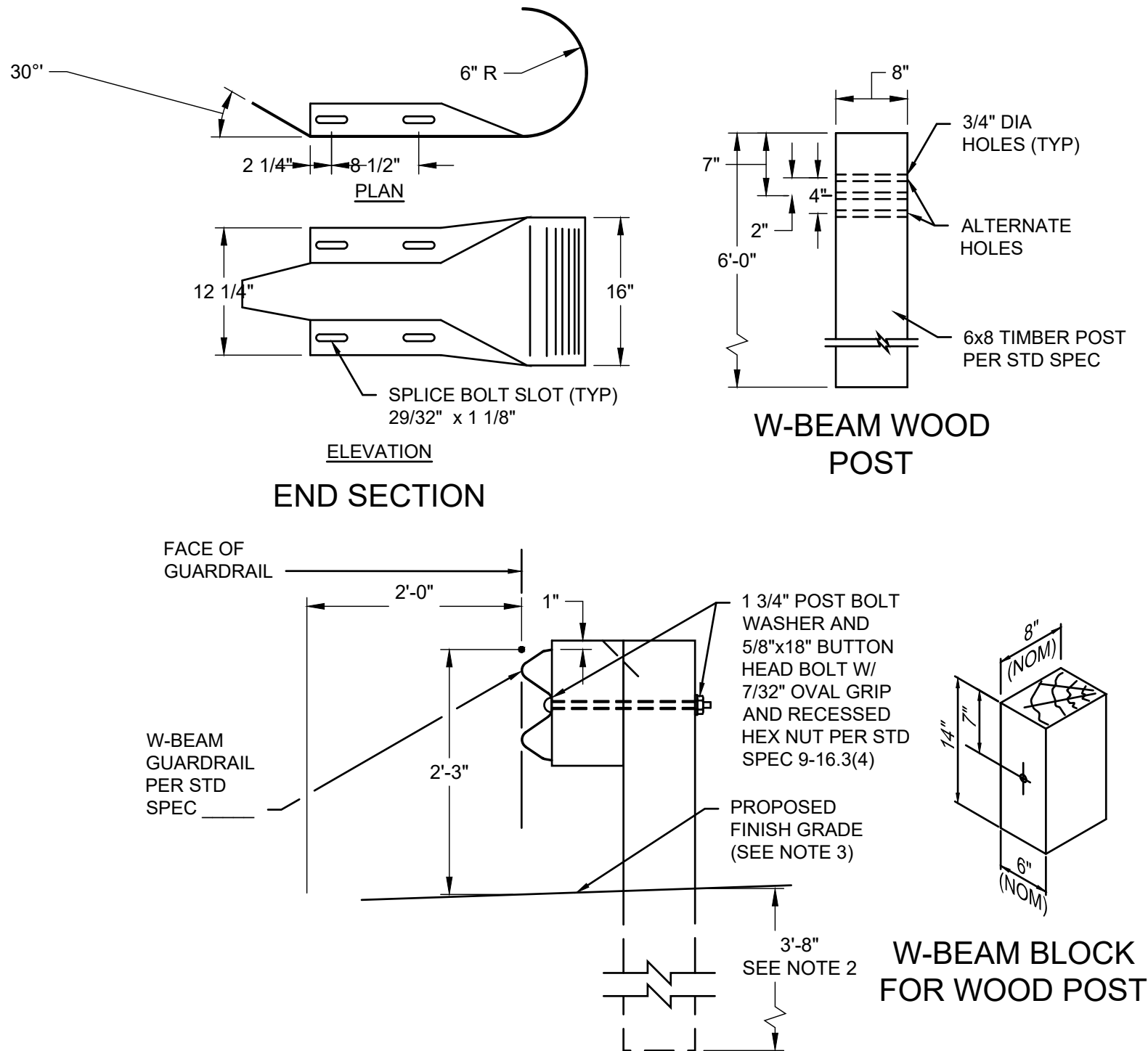
C5002
N.T.S.



NOTES:

- CONCRETE SHALL BE CURB MIX 3000 PSI MIN. AT 28 DAYS.
- 1/2" PJF REQUIRED ONLY FOR CONCRETE PAVEMENT.
- PROVIDE SAWCUT JOINT FOR CURBS AT 10'-0" O.C. MAX.
- *-6" OR MATCH EXISTING CURB HEIGHT.

C5003
N.T.S.



NOTES:

- BEAM GUARDRAIL POST SPACING SHALL BE 6'-3" ON CENTERS.
- BEAM GUARDRAIL POST SHALL BE EMBEDDED AT LEAST 3'-8" BELOW FINISH GRADE.

C5004
N.T.S.

C5001
N.T.S.



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Florida Board of Professional Engineers Certificate of Authorization No. 0000020

CONTRACT - XXX
FPL FEEDER NO. 1 FOR DW NO. 3 AND NO. 4
PUMP STATION
HOLLYWOOD FLORIDA PUBLIC UTILITIES
CIVIL NOTES AND DETAILS 2

DRAWING ISSUED

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