



July 25, 2023

Miami-Dade County
Office of General Counsel
111 NW 1st Street
Miami, Florida 33128

RE: FPL Miami-Dade Clean Water Recovery Center Project
Turkey Point Conditions of Certification (PA03-45G)
Post-Certification Submittal for Public Works Compliance Determination

To Whom It May Concern:

Florida Power & Light Company (FPL) is pleased to submit the enclosed post-certification submittal for construction within Miami-Dade County's public rights-of-way in accordance with Section A, Condition XXI and Section B, Condition VII.D.7 of the Turkey Point Conditions of Certification (PA03-45G) for the FPL Miami-Dade Clean Water Recovery Center (CWRC) Project. Section B, Condition VII.D.7 states,

"Work within the County's public rights-of-way shall conform to applicable sections of the uniform standards established by the official Public Works Manual. Prior to construction of the reclaimed waterline within the County's public rights-of-way, FPL shall submit all information necessary for a Public Works permit for review by MDC under the post-certification process outlined in Section A. Condition XXI. Procedures for Post-Certification Submittals. No separate permit shall be issued."

Enclosed is the information required for review in accordance with Section A, Condition XXI, and Section B, Condition VII.D.7 of the Conditions of Certification for an area of County ROW that will be impacted by the project along SW 97th Ave adjacent to the South Dade Landfill and across SW 248th Street (Coconut Palm Dr.). FPL received the Class III compliance determination for the crossing of Gould's canal on February 10th, 2023 (attached).

Pursuant to the post-certification process, submittal of this information commences a 30-day completeness determination period.

If you have any comments or questions regarding the attached application, please feel free to contact me.

Sincerely,



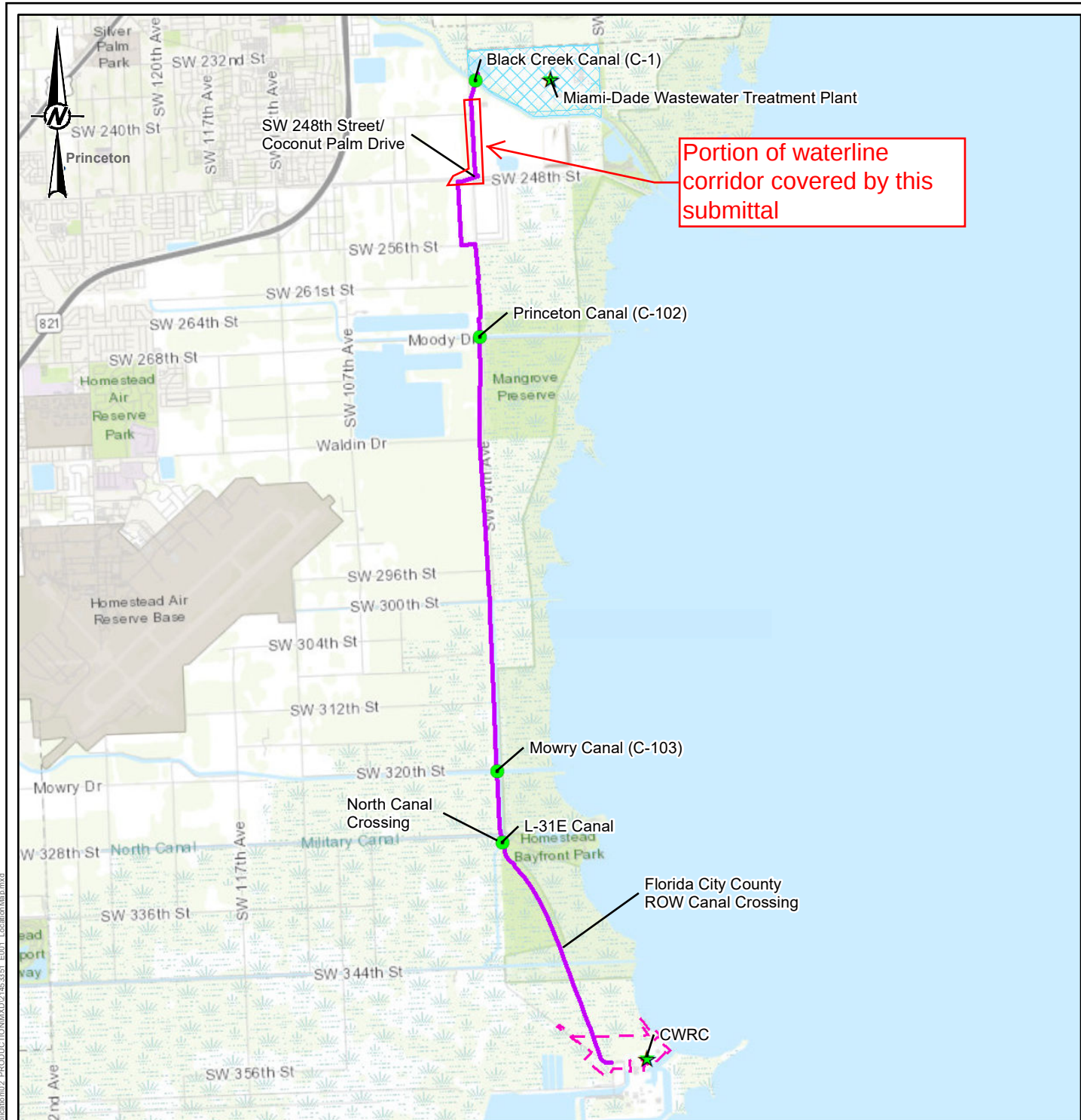
Danielle Hall
Senior Project Manager
Danielle.Hall@fpl.com
(941) 928-5464

Electronic copies:

Ann Seiler, Siting Coordination Office, Ann.Seiler@FloridaDEP.gov

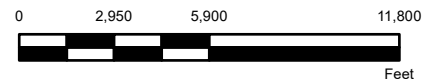
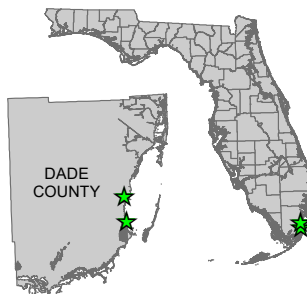
Christine Velazquez, Miami-Dade County DERM, Christine.Velazquez@miamidade.gov

Nestor Melian, Miami-Dade County DTPW, Nester.Melian@miamidade.gov



LEGEND

- SFWMD Canal Crossings
- ★ Project Location
- CWRC Reclaimed Waterline
- ▭ Miami-Dade County South District Wastewater Treatment Plant



REFERENCE(S)

COORDINATE SYSTEM: NAD 1983 STATEPLANE FLORIDA NORTH FIPS 0903 FEET
PROJECTION: LAMBERT CONFORMAL CONIC
DATUM: NORTH AMERICAN 1983

CLIENT

FLORIDA POWER & LIGHT COMPANY

PROJECT

FPL MIAMI-DADE CLEAN WATER RECOVERY CENTER PROJECT

TITLE

LOCATION MAP

CONSULTANT



YYYY-MM-DD 2022-10-04

DESIGNED JGW

PREPARED JGW

REVIEWED KAB

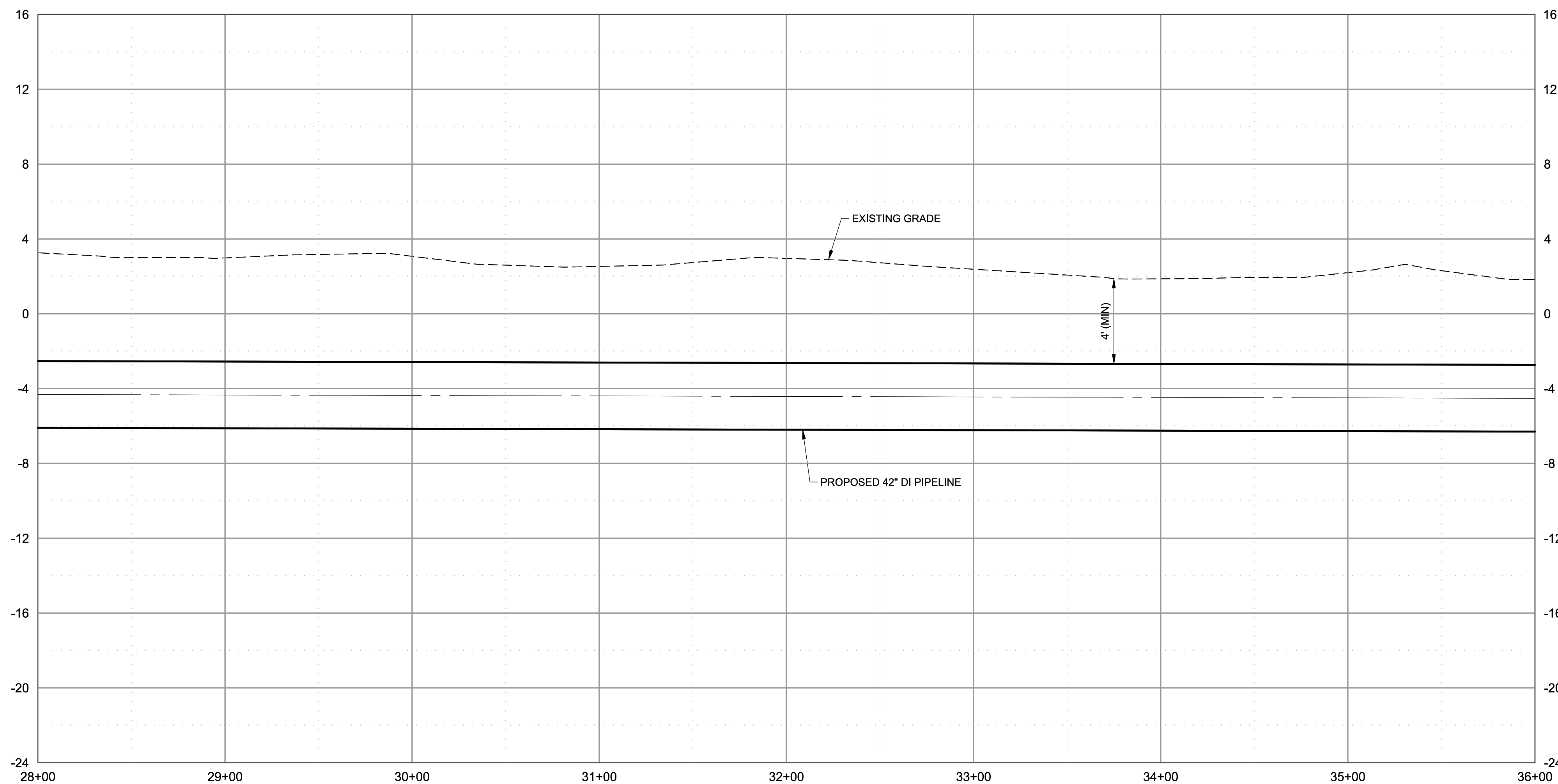
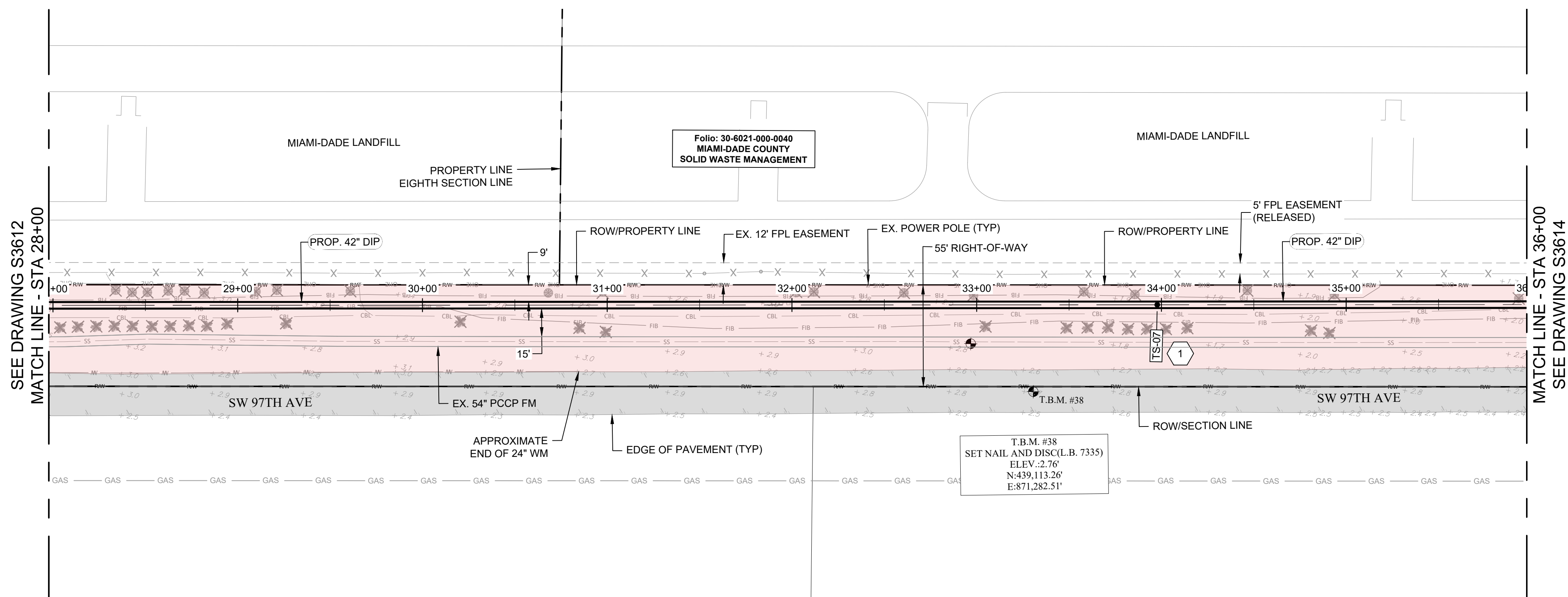
APPROVED KK

PROJECT NO.
21453351

CONTROL
E001

REV.
0

FIGURE
1



GENERAL NOTES:

1. PIPE JOINT DEFLECTION SHALL NOT EXCEED 50% OF MANUFACTURERS ALLOWABLE DEFLECTION.
2. THE CONTRACTORS LIMIT OF DISTURBANCE SHALL NOT EXCEED TEMPORARY EASEMENT AND TEMPORARY WORKSPACE BOUNDARIES.
3. REFER TO DRAWING S3661 FOR RESTRAINED JOINT TABLE.
4. REFER TO DRAWINGS S3661-S3662 FOR MECHANICAL DETAILS.
5. REFER TO DRAWINGS S3670-S3676 FOR CATHODIC PROTECTION DETAILS.
6. REFER TO DRAWINGS S3680-S3683 FOR STANDARD DETAILS.
7. EXISTING BURIED CABLES AND FIBER OPTICS TO BE REMOVED AND RELOCATED.
8. EXISTING TREES TO BE REMOVED IN ACCORDANCE WITH TURKEY POINT CONDITIONS OF CERTIFICATION (PA03-45G). TREES TO BE REMOVED APPROVED BY DERM ON 6/10/2023 VIA EMAIL.
9. CONTRACTOR TO REPLACE GRASSED, PAVEMENT, AND GRAVEL TURN-OFFS TO PRE-CONSTRUCTION CONDITIONS.

KEYNOTES:

- 1 SEE TEST STATION SCHEDULE TABLE ON
DRAWING S3676

LEGEND:

-  UTILITY LOCATE TEST HOLE (VVH##)
-  TEMPORARY BENCHMARK
-  PROPOSED CATHODIC TEST STATION
-  EXISTING TREE (TO BE REMOVED)
-  EXISTING AT&T BURIED CABLES
-  EXISTING RIGHT-OF-WAY
-  EXISTING PAVEMENT
-  WORKSPACE LIMITS

**NOT TO BE USED
FOR CONSTRUCTION**

THE DISTRIBUTION AND USE OF THE NATIVE FORMACAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

Olena Lytvyn, State of Florida
Professional Engineer
License No.82696

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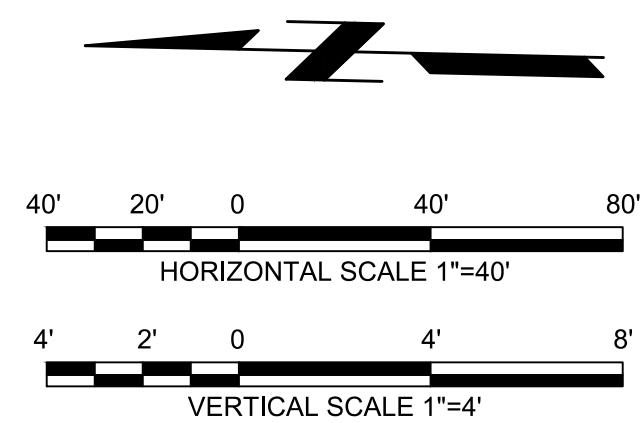
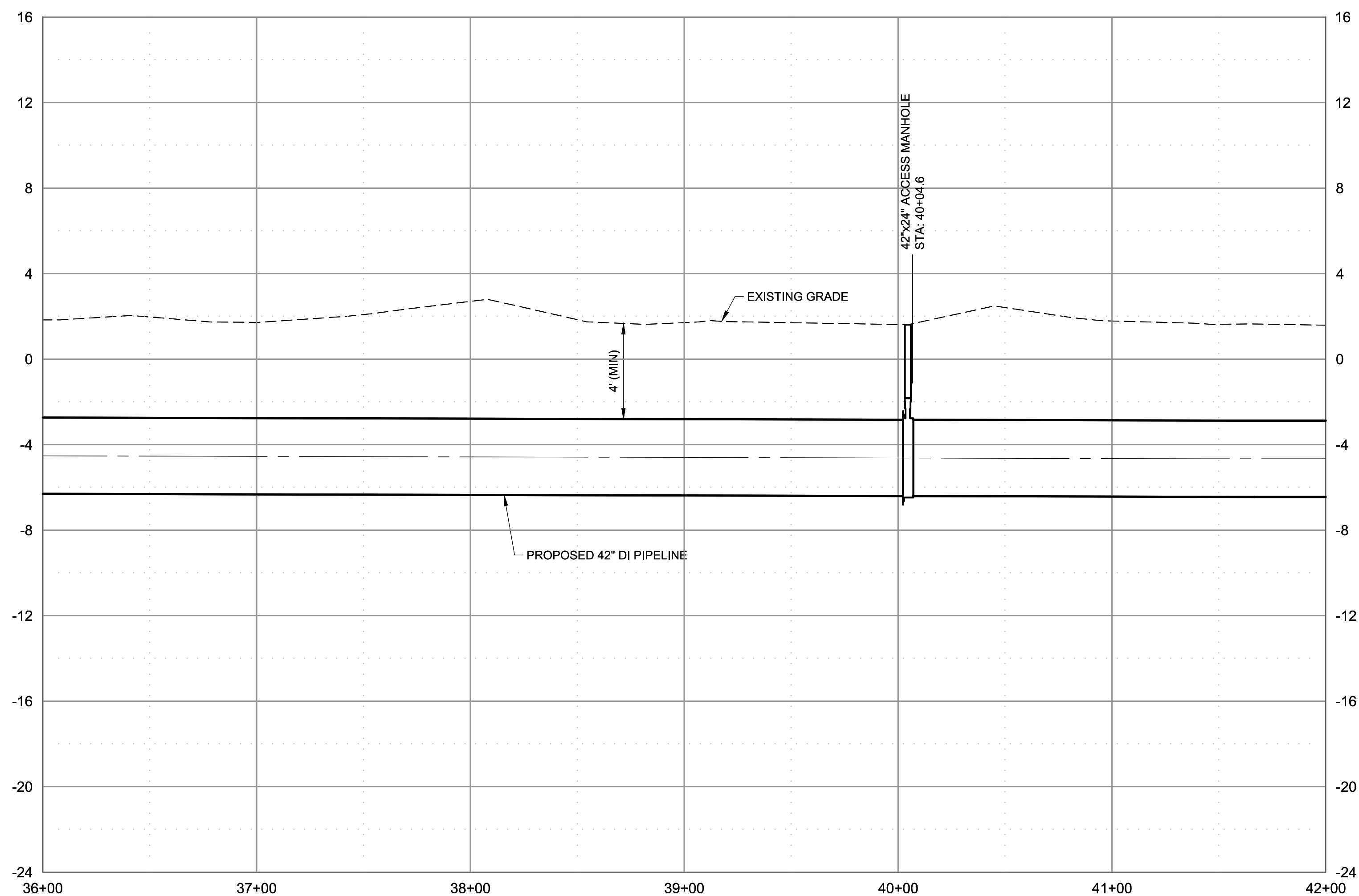
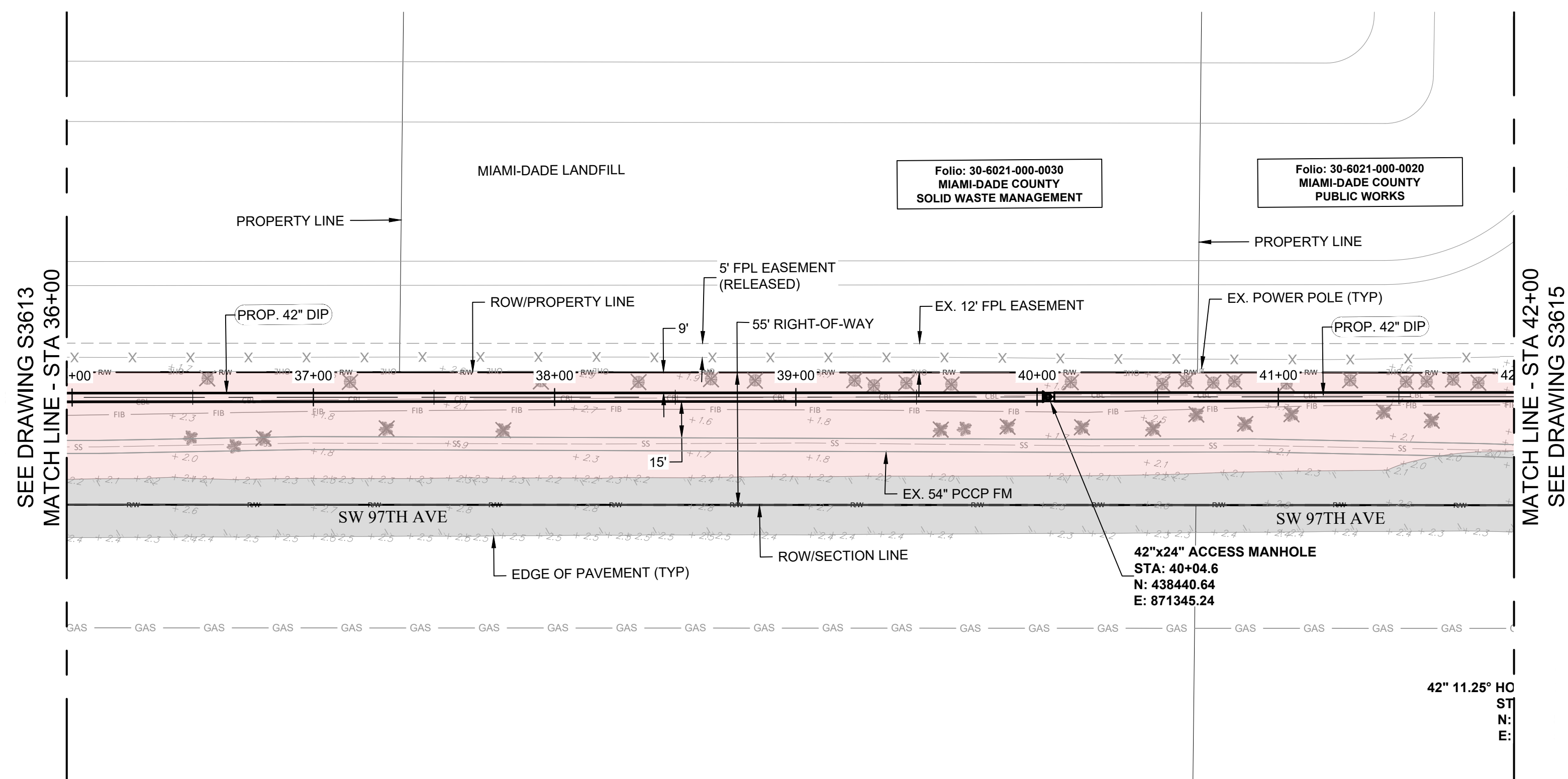
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BLACK & VEATCH
 11401 LAMAR AVENUE
 OVERLAND PARK, KANSAS 66211

DESIGNER	CJG	DRAWN	CJG
CHECKED	MM	DATE	16/JUN/23

FLORIDA POWER & LIGHT
MIAMI-DADE CLEAN WATER RECOVERY CENTER
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT
PLAN AND PROFILE
STA 28+00 TO STA 36+00

PROJECT		DRAWING NUMBER		REV
412398-5WWRRCW-S3613				A
CODE				
AREA				



GENERAL NOTES:

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LEGEND:

-  UTILITY LOCATE TEST HOLE (V#H##)
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Olena Lytvyn, State of FL
Professional Engineer
License No.82696

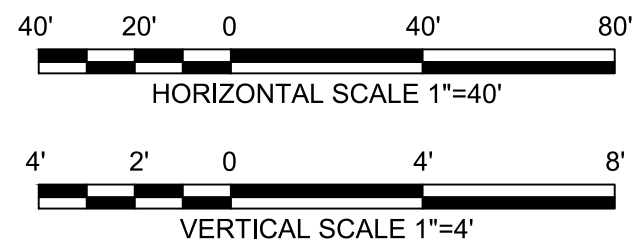
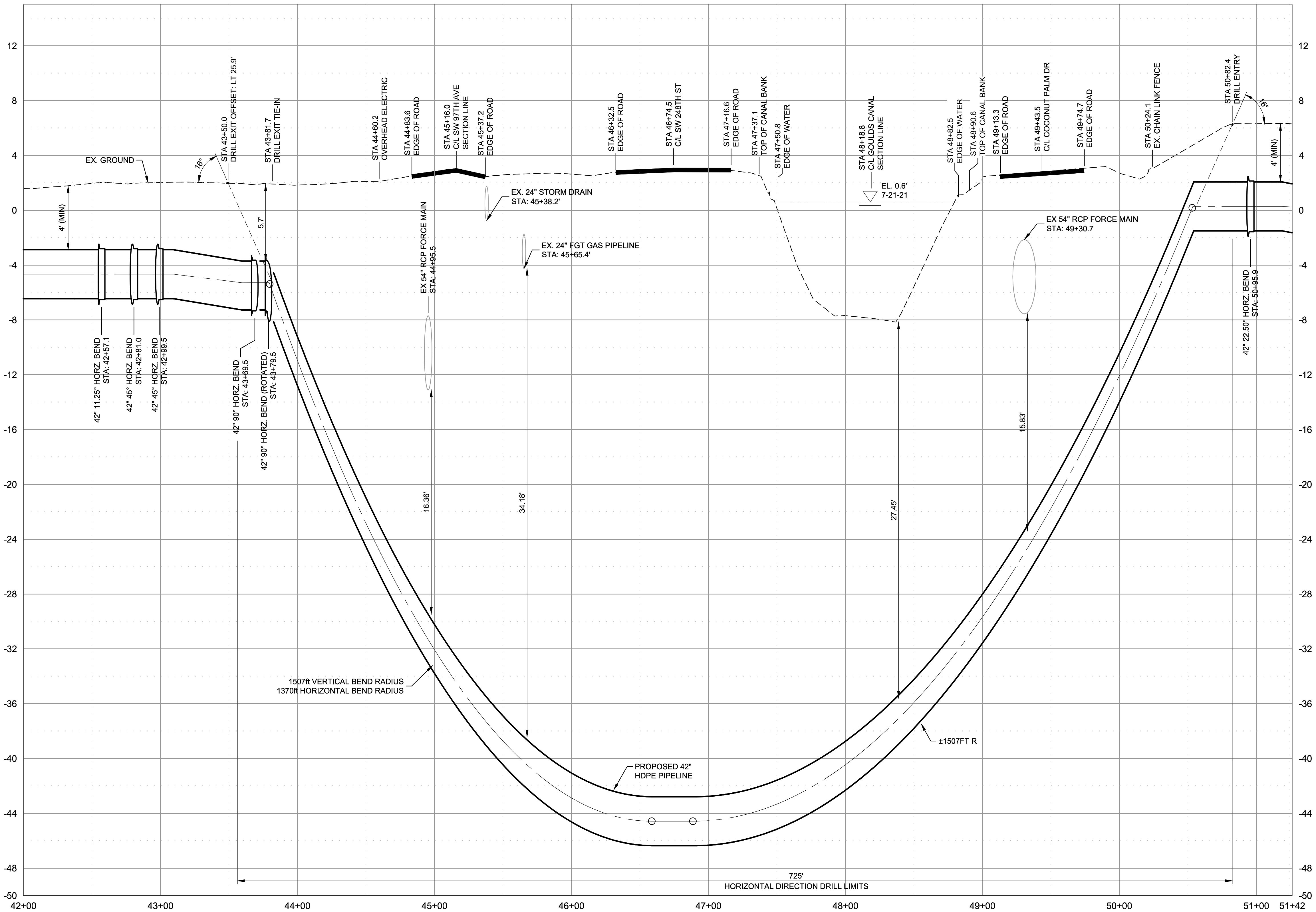
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FLORIDA POWER & LIGHT
MIAMI-DADE CLEAN WATER RECOVERY CENTER
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT
PLAN AND PROFILE
STA 36+00 TO STA 42+00

PROJECT		DRAWING NUMBER	REV
412398-5WWRRCW-S3614			A
CODE			
AREA			

SEE DRAWING S3615 FOR
HORIZONTAL DIRECTIONAL DRILL PLAN VIEW



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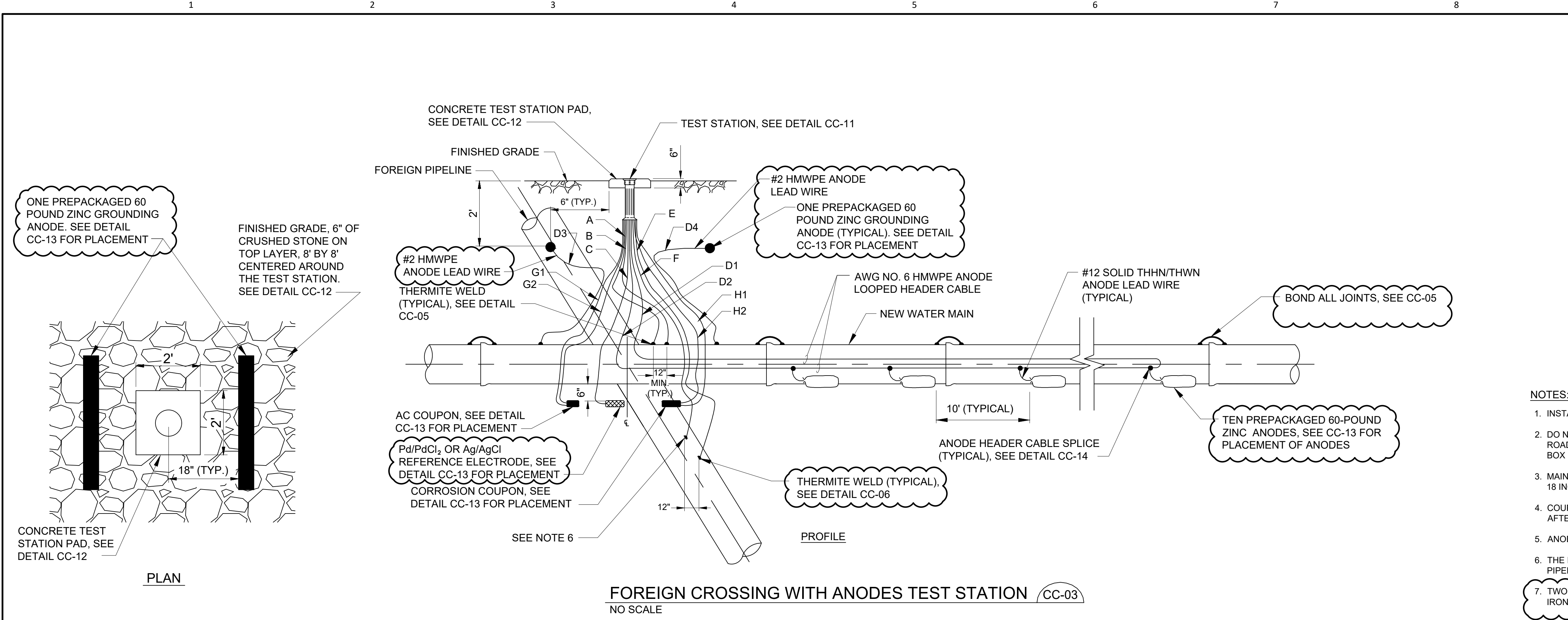
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CHECKED		DATE	
MM		16/JUN/23	

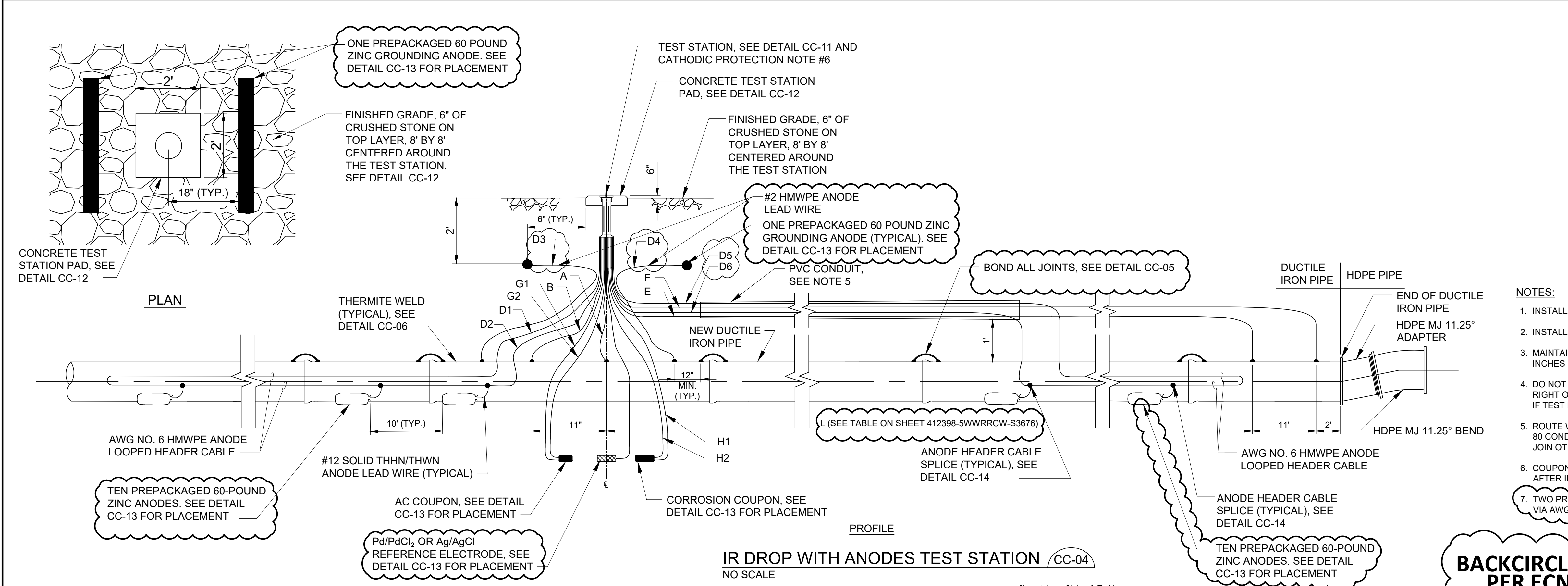
PROJECT		DRAWING NUMBER	
FLORIDA POWER & LIGHT MIAMI-DADE CLEAN WATER RECOVERY CENTER		412398-5WWRRCW-S3615A	
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT PLAN AND PROFILE STA 42+00 TO STA 51+40		CODE	
		AREA	

REVISIONS		REVISIONS	
NO	DATE	NO	DATE



WIRING SCHEDULE					
DESCRIPTION	WIRE	TEST STATION TERMINAL	AWG WIRE SIZE	TYPE OF INSULATION	COLOR OF WIRING
NEW PIPE	A B	7 8	#8 #10	THWN THWN	BLUE BLUE
PERMANENT REFERENCE ELECTRODE	C	5	#14	PER MANUFACTURER	
ANODES HEADER CABLE	D1 D2	10 10	#6 #6	HMWPE HMWPE	BLACK BLACK
FOREIGN PIPE	E F	2 1	#10 #8	THWN THWN	WHITE WHITE
AC COUPON	G1 G2	3 6	#12 #12	THWN THWN	RED RED
CORROSION COUPON	H1 H2	9 11	#12 #12	THWN THWN	GREEN GREEN
ZINC ANODE	D3 D4	N/A	#2 #2	HMWPE HMWPE	BLACK BLACK

- NOTES:
- INSTALL 0.01 OHM SHUNT BETWEEN TERMINALS #7 AND #10.
 - DO NOT SET TEST STATION IN ROADWAY. PLACE TEST BOX AT THE CLOSEST POINT JUST OFF THE ROAD RIGHT OF WAY. ROUTE ALL WIRES IN 2-INCH SCHEDULE 80 PVC CONDUIT TO FINAL TEST BOX LOCATION IF TEST BOX IS NOT LOCATED DIRECTLY ABOVE THE MAIN.
 - MAINTAIN SUFFICIENT SLACK IN THE TEST WIRES SO THAT THE WIRES CAN EXTEND A MINIMUM OF 18 INCHES FROM THE TEST BOX.
 - COUPON WIRES G2 AND H2 TO BE CONNECTED WITH NEW PIPE LEAD B BY SOLID BRASS JUMPERS AFTER INITIAL ACCEPTANCE TESTING IS DONE.
 - ANODES SHOULD BE PLACED AT LEAST 5 FEET AWAY FROM THE FOREIGN PIPELINE.
 - THE FOREIGN PIPE WIRES (E AND F) SHALL ONLY BE INSTALLED UPON APPROVAL OF FOREIGN PIPELINE OPERATOR AND TO BE INSTALLED BY REPRESENTATIVE OF FOREIGN PIPELINE OWNER.
 - TWO PREPACKAGED ZINC GROUNDING ANODES WILL BE DIRECTLY BONDED TO NEW DUCTILE IRON PIPE VIA AWG #2 LEAD WIRES.



WIRING SCHEDULE					
DESCRIPTION	WIRE	TEST STATION TERMINAL	AWG WIRE SIZE	TYPE OF INSULATION	COLOR OF WIRING
NEW PIPE	A B	7 8	#8 #10	THWN THWN	BLUE BLUE
PERMANENT REFERENCE ELECTRODE	C	5	#14	PER MANUFACTURER	
ANODES HEADER CABLE	D1 D2 D5 D6	10 10 4 4	#6 #6 #6 #6	HMWPE HMWPE HMWPE HMWPE	BLACK BLACK WHITE WHITE
IR DROP	E F	2 1	#10 #8	THWN THWN	ORANGE ORANGE
AC COUPON	G1 G2	3 6	#12 #12	THWN THWN	RED RED
CORROSION COUPON	H1 H2	9 11	#12 #12	THWN THWN	GREEN GREEN
ZINC ANODE	D3 D4	N/A	#2 #2	HMWPE HMWPE	BLACK BLACK

- NOTES:
- INSTALL 0.01 OHM SHUNT BETWEEN TERMINALS #7 AND #10.
 - INSTALL 0.01 OHM SHUNT BETWEEN TERMINALS #1 AND #4.
 - MAINTAIN SUFFICIENT SLACK IN THE TEST WIRES SO THAT THE WIRES CAN EXTEND A MINIMUM OF 18 INCHES FROM THE TEST BOX.
 - DO NOT SET TEST STATION IN ROADWAY. PLACE TEST BOX AT THE CLOSEST POINT JUST OFF THE ROAD RIGHT OF WAY. ROUTE ALL WIRES IN 2-INCH SCHEDULE 80 PVC CONDUIT TO FINAL TEST BOX LOCATION IF TEST BOX IS NOT LOCATED DIRECTLY ABOVE THE MAIN.
 - ROUTE WIRES D5, D6, E, AND F (TWO #6 WHITE WIRES, #8 AND #10 ORANGE WIRES) IN 3" PVC SCHEDULE 80 CONDUIT. TERMINATE CONDUIT AT HORIZONTAL TRANSITION WHERE THESE WIRES JOIN OTHER LEADS TO BE BROUGHT INTO TEST STATION ASSEMBLY.
 - COUPON WIRES G2 AND H2 TO BE CONNECTED WITH NEW PIPE LEAD B BY SOLID BRASS JUMPERS AFTER INITIAL ACCEPTANCE TESTING IS DONE.
 - TWO PREPACKAGED ZINC GROUNDING ANODES WILL BE DIRECTLY BONDED TO NEW DUCTILE IRON PIPE VIA AWG #2 LEAD WIRES.

**BACKCIRCLED CHANGES
PER ECN N-S-0018**

**APPROVED FOR
CONSTRUCTION**

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP	NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
								1	03/29/2023	REVISED PER ECN N-S-0018					
								0	03/15/2023	ISSUED FOR CONSTRUCTION					

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License No.82696

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DESIGNER	WD	DRAWN	MHA
CHECKED	AJF	DATE	03/15/2023

FLORIDA POWER & LIGHT
MIAMI-DADE CLEAN WATER RECOVERY CENTER
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT
CATHODIC PROTECTION DETAILS

PROJECT	DRAWING NUMBER	REV
412398-5WWRCW-S3671		1
CODE		
AREA		

THERMITE WELD
(TYPICAL), SEE
DETAIL CC-06

HMWPE BOND WIRE
(TYPICAL OF TWO)

TYPICAL PIPE JOINT BOND

THERMITE WELD
(TYPICAL), SEE
DETAIL CC-06

HMWPE BOND WIRE
(TYPICAL OF TWO)

TYPICAL BONDING OF BEND
REDUCER OR SOLID SLEEVE

HMWPE BOND WIRE
(TYPICAL OF TWO)

THERMITE WELD
(TYPICAL), SEE
DETAIL CC-06

TYPICAL BONDING OF TEE

THERMITE WELD
(TYPICAL), SEE
DETAIL CC-06

HMWPE BOND WIRE
(TYPICAL OF TWO)

HMWPE BOND WIRE
(TYPICAL OF TWO)

HMWPE BOND WIRE

TYPICAL BONDING OF VALVE

THERMITE WELD
(TYPICAL), SEE
DETAIL CC-06

HMWPE BOND WIRE
(TYPICAL OF TWO)

FLOATING FLANGE

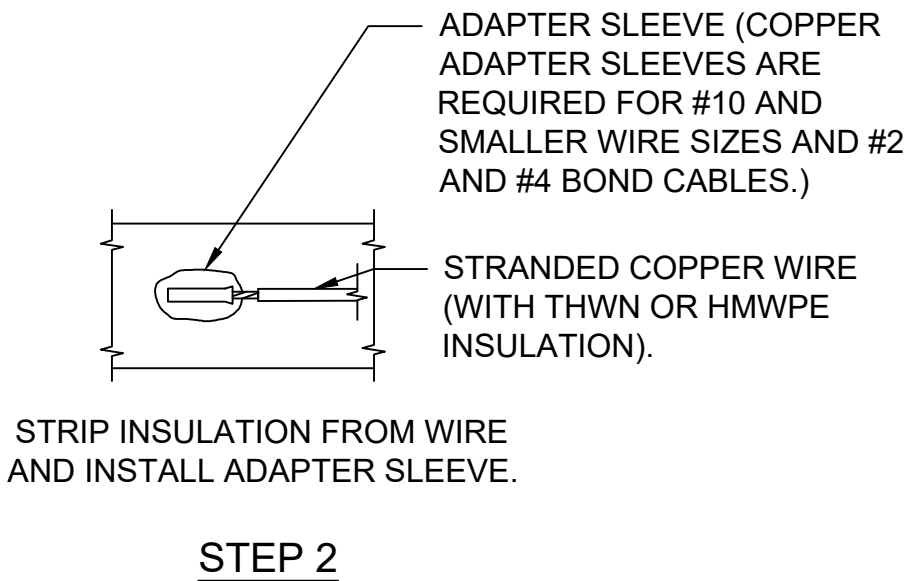
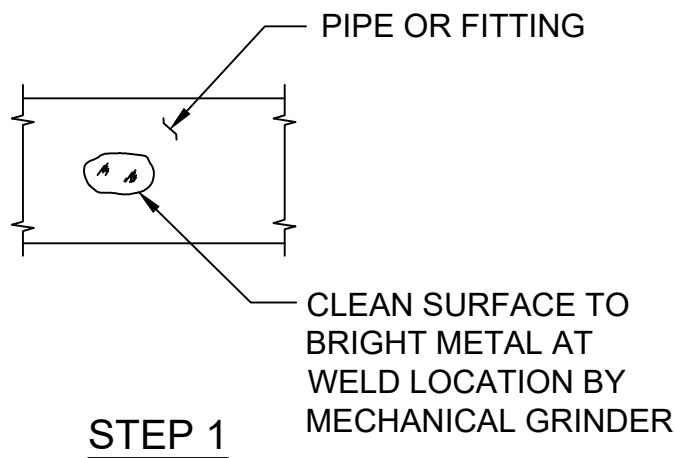
MECHANICAL JOINT

TYPICAL MECHANICAL COUPLING BOND

TYPICAL JOINT BONDING CC-05
NO SCALE

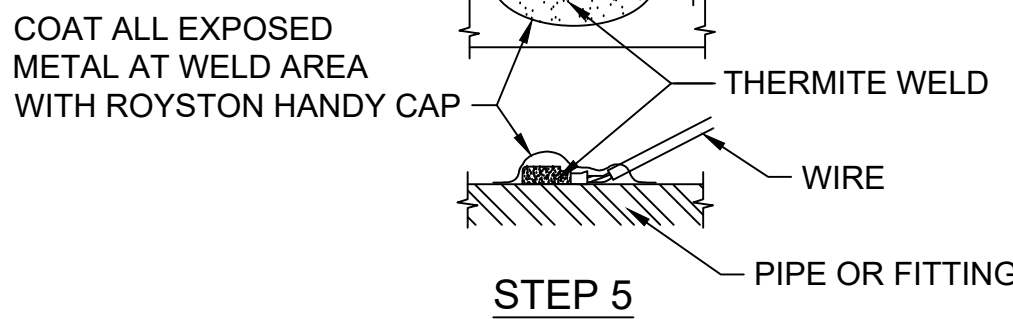
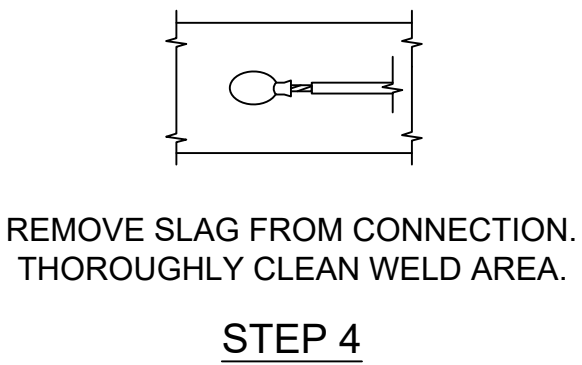
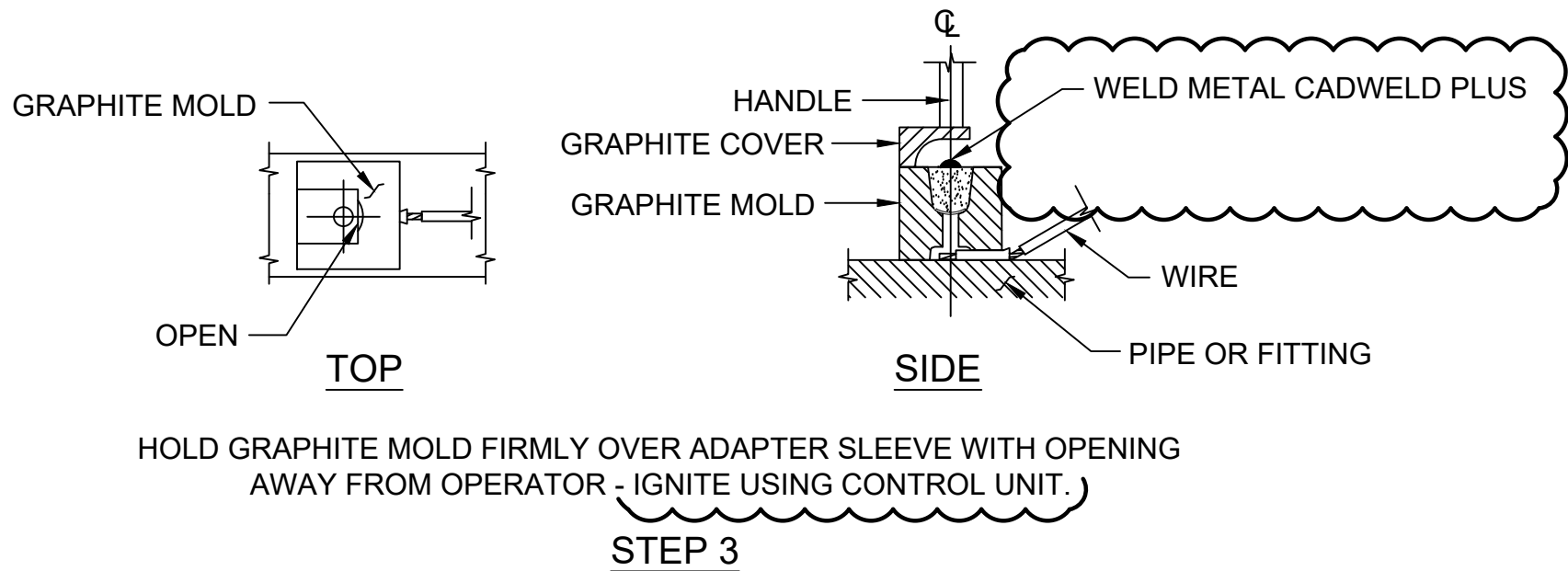
NOTES:

- BOND ALL JOINTS ON UNDERGROUND DUCTILE IRON PIPING EXCEPT INSULATED JOINTS.
- THERMITE WELD BONDING WIRES TO TOP OF PIPE OR FITTINGS, SEE DETAIL CC-06.
- WIRE SIZE FOR BONDING JOINTS SHALL BE AS FOLLOWS:
12" & SMALLER - AWG NO. 6
16" TO 36" - AWG NO. 4
LARGER THAN 36" - AWG NO. 2
- DUCTILE IRON JOINT BOND WIRE LENGTH SHALL BE A MAXIMUM OF 18 INCHES UNLESS APPROVED BY ENGINEER. LEAVE SLACK IN ALL CABLES.
- PIN BRAZING IS NOT AN ACCEPTABLE ALTERNATIVE TO THERMITE WELDING.



NOTES:

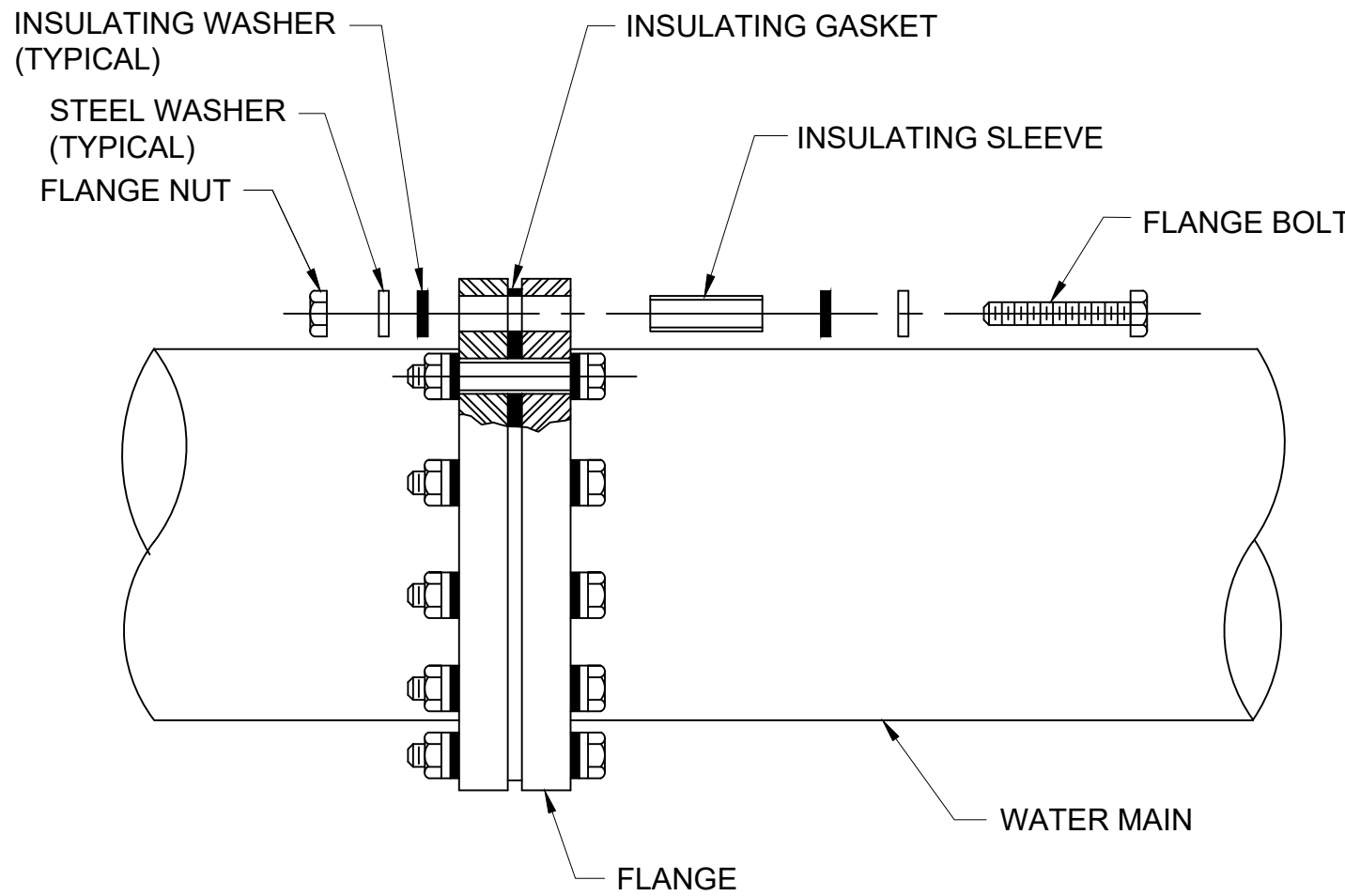
- THERMITE WELDS MADE TO DUCTILE IRON PIPE AND/OR FITTINGS SHALL BE COATED WITH A ROYSTON HANDY CAP OR APPROVED EQUAL.
- PIN BRAZING IS NOT AN ACCEPTABLE ALTERNATIVE TO THERMITE WELDING.



THERMITE WELDING CC-06
NO SCALE

BACKCIRCLED CHANGES
PER ECN N-S-0018

Olena Lytvyn, State of Florida
Professional Engineer
License No. 62696



NOTES:

- AFTER ASSEMBLY, TEST TO VERIFY THAT ISOLATION IS EFFECTIVE. IF ISOLATION IS NOT EFFECTIVE, REPAIR AS NECESSARY AND RETEST. THIS PROCESS SHALL CONTINUE UNTIL ISOLATION IS VERIFIED AS EFFECTIVE.
- AFTER VERIFYING EFFECTIVE ISOLATION, COAT THE ENTIRE FLANGE AND ALL EXPOSED METAL INCLUDING BOLTS, NUTS, AND WASHERS WITH FOUR COMPONENTS OF WAX TAPE COATING SYSTEM. COATING SYSTEM SHALL EXTEND A MINIMUM OF 12 INCHES ON EITHER SIDE OF FLANGE, SEE DETAIL CC-15.
- ALL INSULATING FLANGES TO BE PROVIDED WITH TEST STATION, SEE DETAIL CC-01.

INSULATING FLANGE CC-07
NO SCALE

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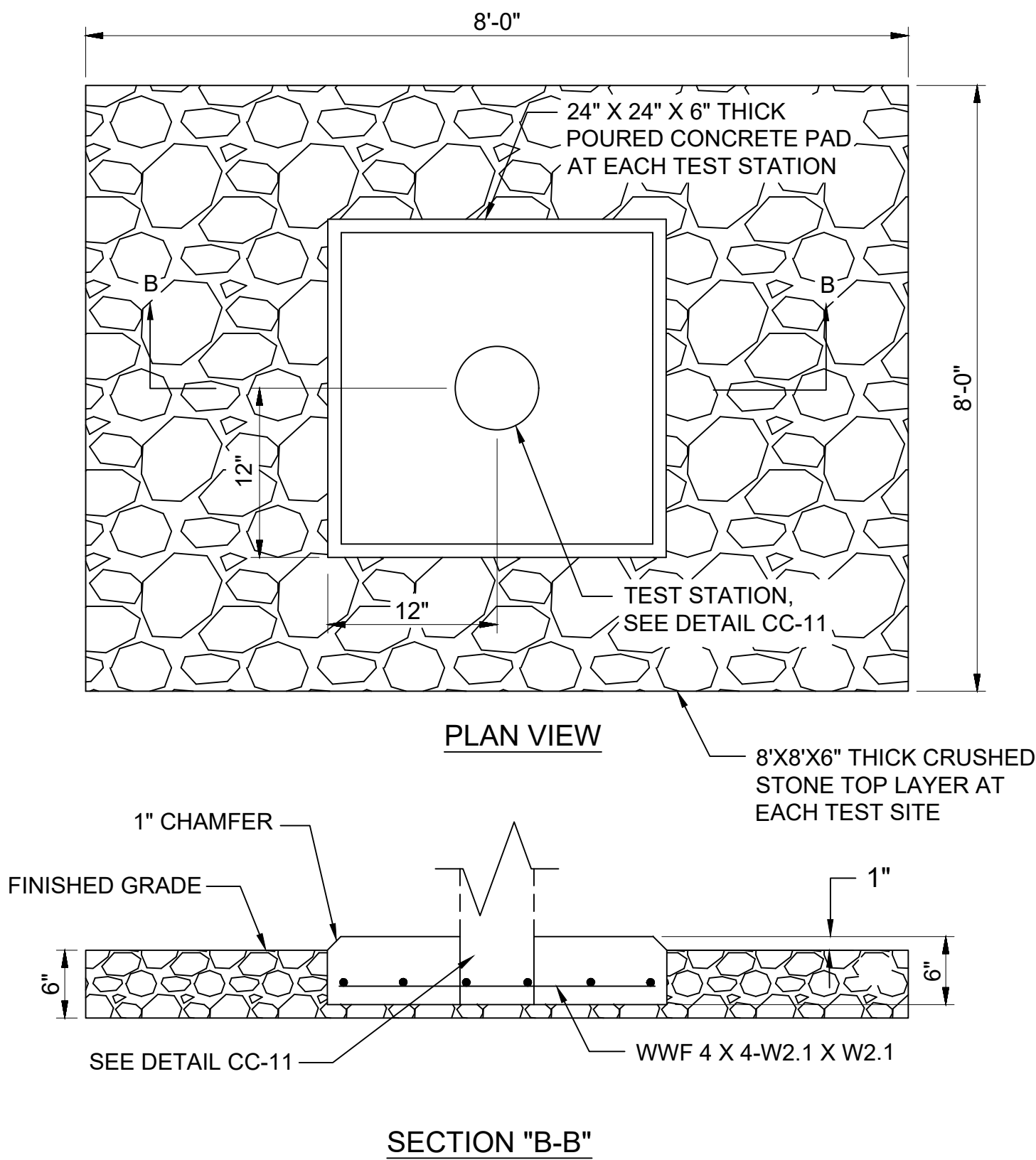
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								0	03/15/2023	ISSUED FOR CONSTRUCTION					

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DESIGNER	DRAWN
WD	MHA
CHECKED	DATE
AJF	03/15/2023

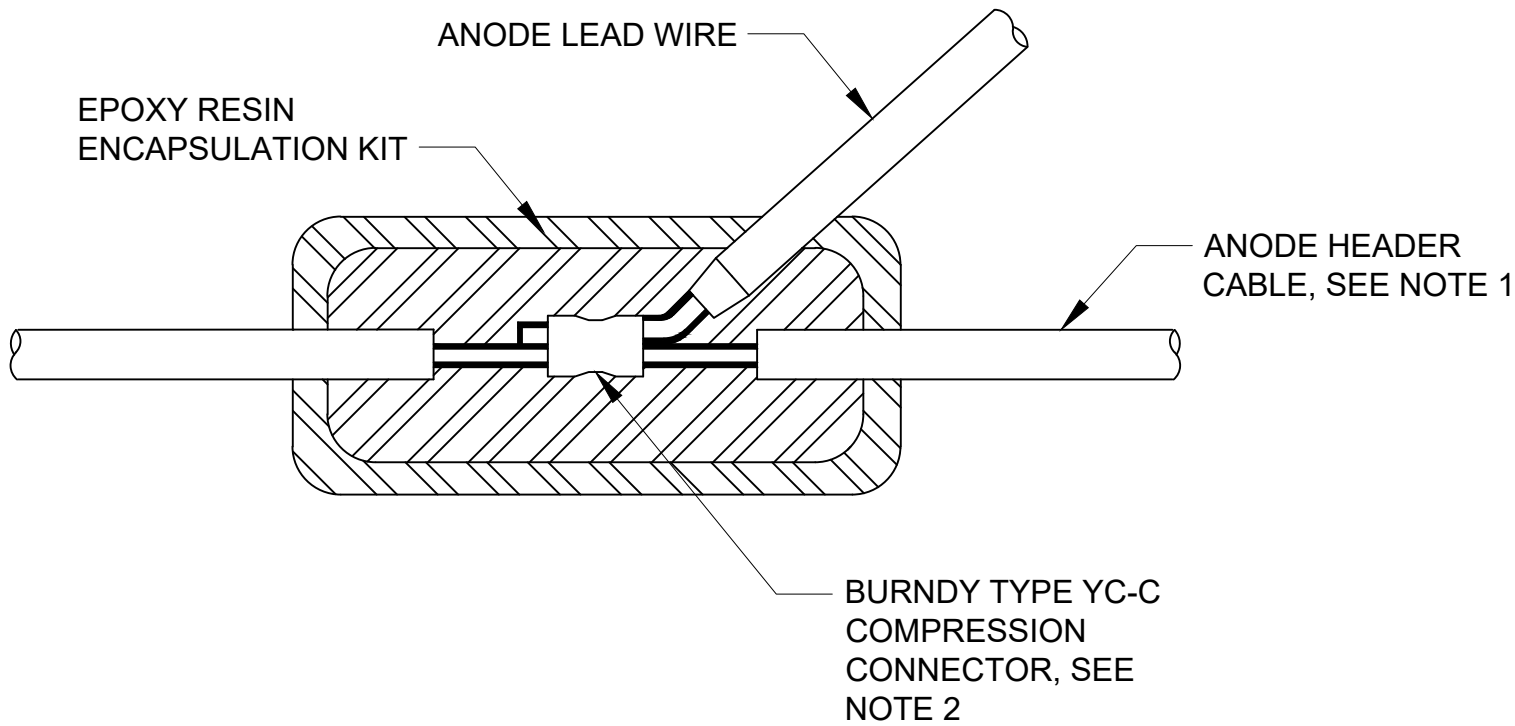
FLORIDA POWER & LIGHT MIAMI-DADE CLEAN WATER RECOVERY CENTER	
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT CATHODIC PROTECTION DETAILS	

PROJECT	DRAWING NUMBER	REV
412398-SWWRRCW-S3672		1
CODE		
AREA		

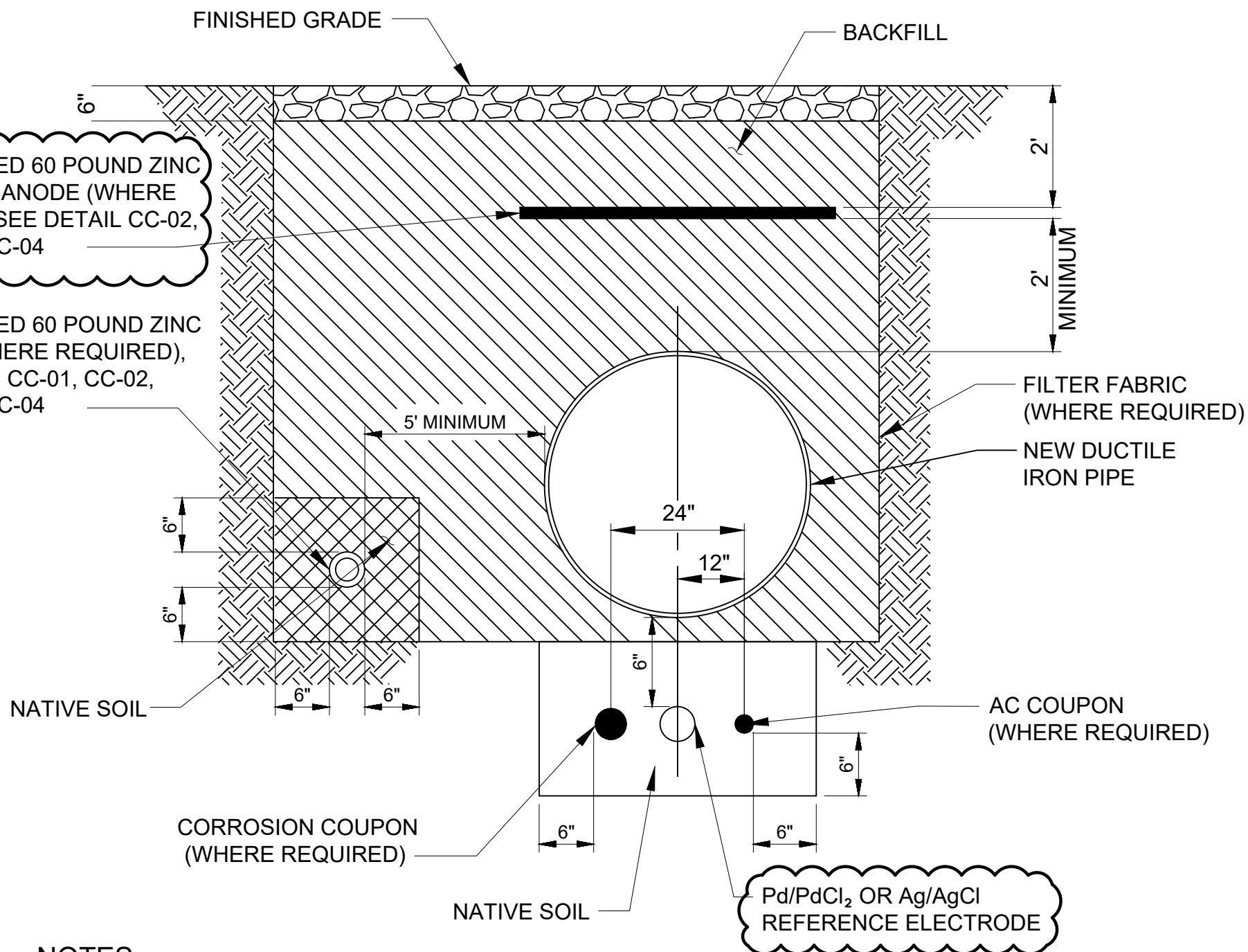


CONCRETE TEST STATION PAD (CC-12)
NO SCALE

- NOTES:
1. REMOVE INSULATION FROM THE ANODE HEADER CABLE WITHOUT CUTTING THE CABLE.

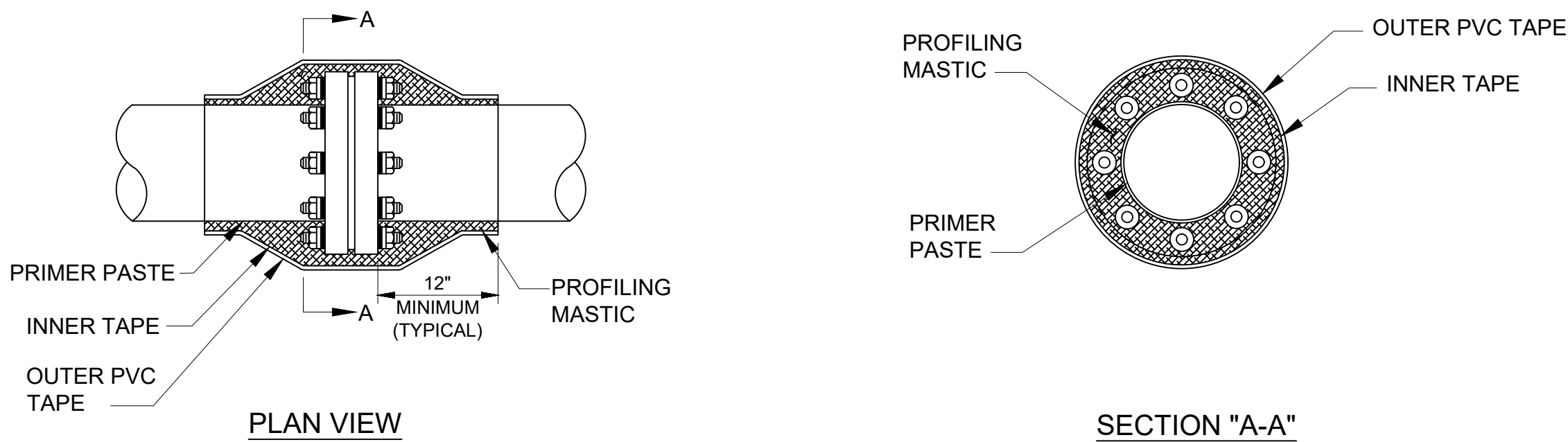


ANODE HEADER CABLE SPLICE (CC-14)
NO SCALE



- NOTES:
1. INSTALL ANODES, REFERENCE ELECTRODES, CORROSION COUPONS, AND AC COUPON IN NATIVE SOIL. DO NOT BACKFILL ANODES, REFERENCE ELECTRODES, CORROSION COUPONS, OR AC COUPONS WITH SAND OR STONE.
 2. BACKFILL PREPACKAGED ZINC ANODES WITH A MINIMUM OF 6 INCHES OF NATIVE SOIL ON ALL SIDES.
 3. ANODES SHOULD BE PLACED AT LEAST 5 FEET AWAY FROM THE FOREIGN PIPELINE.

ANODE, COUPON, AND ELECTRODE PLACEMENT (CC-13)
NO SCALE



- NOTES:
1. CLEAN SURFACE OF AREA TO BE COATED OF ALL FOREIGN MATERIAL BY WIRE BRUSHING.
 2. APPLY COATING PRIMER TO CLEANED SURFACE.
 3. INSTALL PROFILING MASTIC AS SHOWN, AND FILL ALL VOIDS BETWEEN FLANGES AND BOLTS.
 4. APPLY INNER WAX TAPE AND OUTER PVC TAPE AS SHOWN.

COATING OF INSULATING FLANGE (CC-15)
NO SCALE

BACKCIRCLED CHANGES
PER ECN N-S-0018

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11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211

DESIGNER: WD, AJF, OL, JMG
DRAWN: MHA
CHECKED: AJF, DATE: 03/15/2023

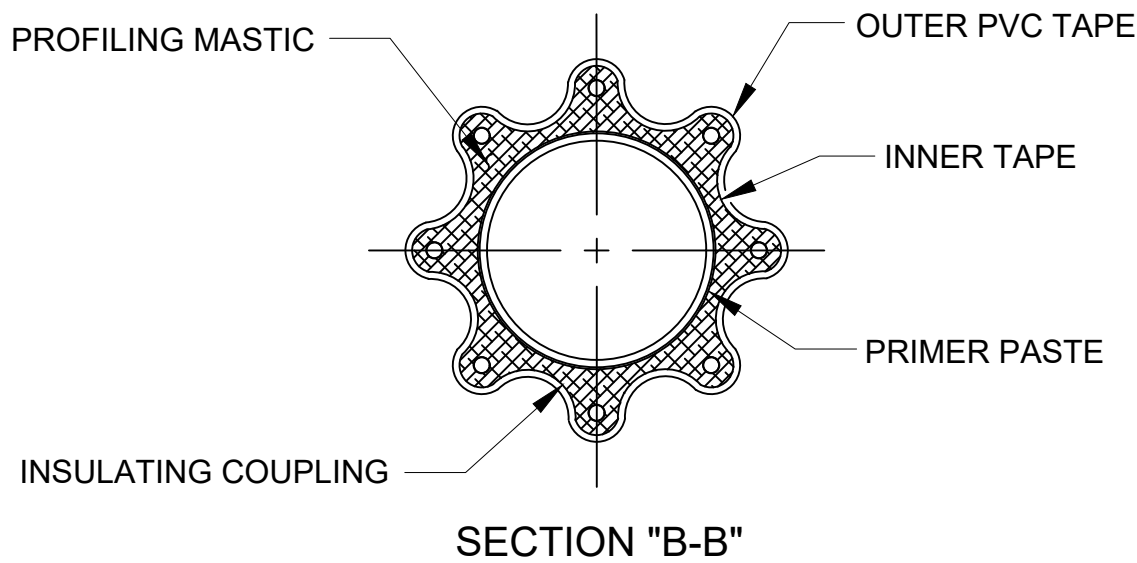
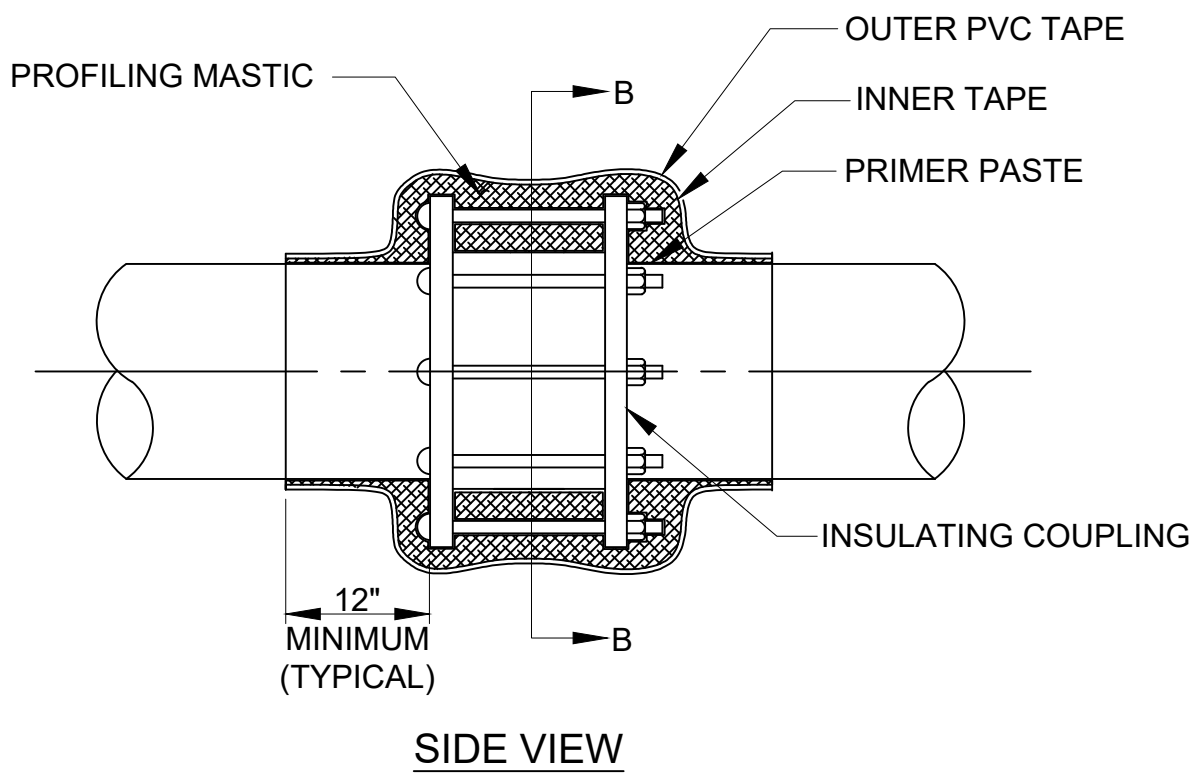
FLORIDA POWER & LIGHT
MIAMI-DADE CLEAN WATER RECOVERY CENTER
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT
CATHODIC PROTECTION DETAILS

PROJECT: 412398-SWWRRCW-S3674
DRAWING NUMBER: 1
REV: 1

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP	NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
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0	03/15/2023	ISSUED FOR CONSTRUCTION						0	03/15/2023	ISSUED FOR CONSTRUCTION					

NOTES:

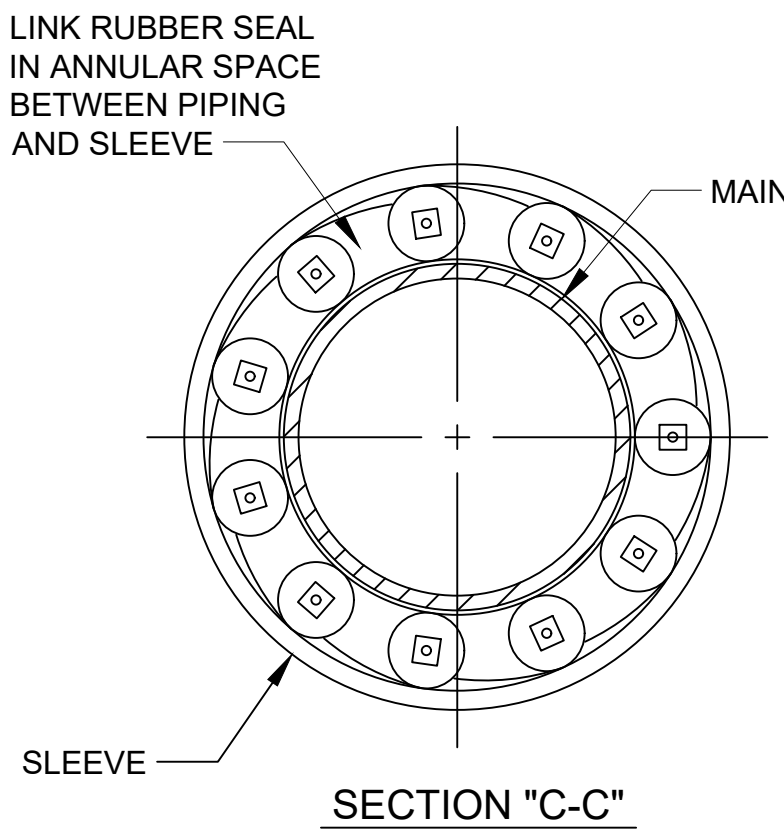
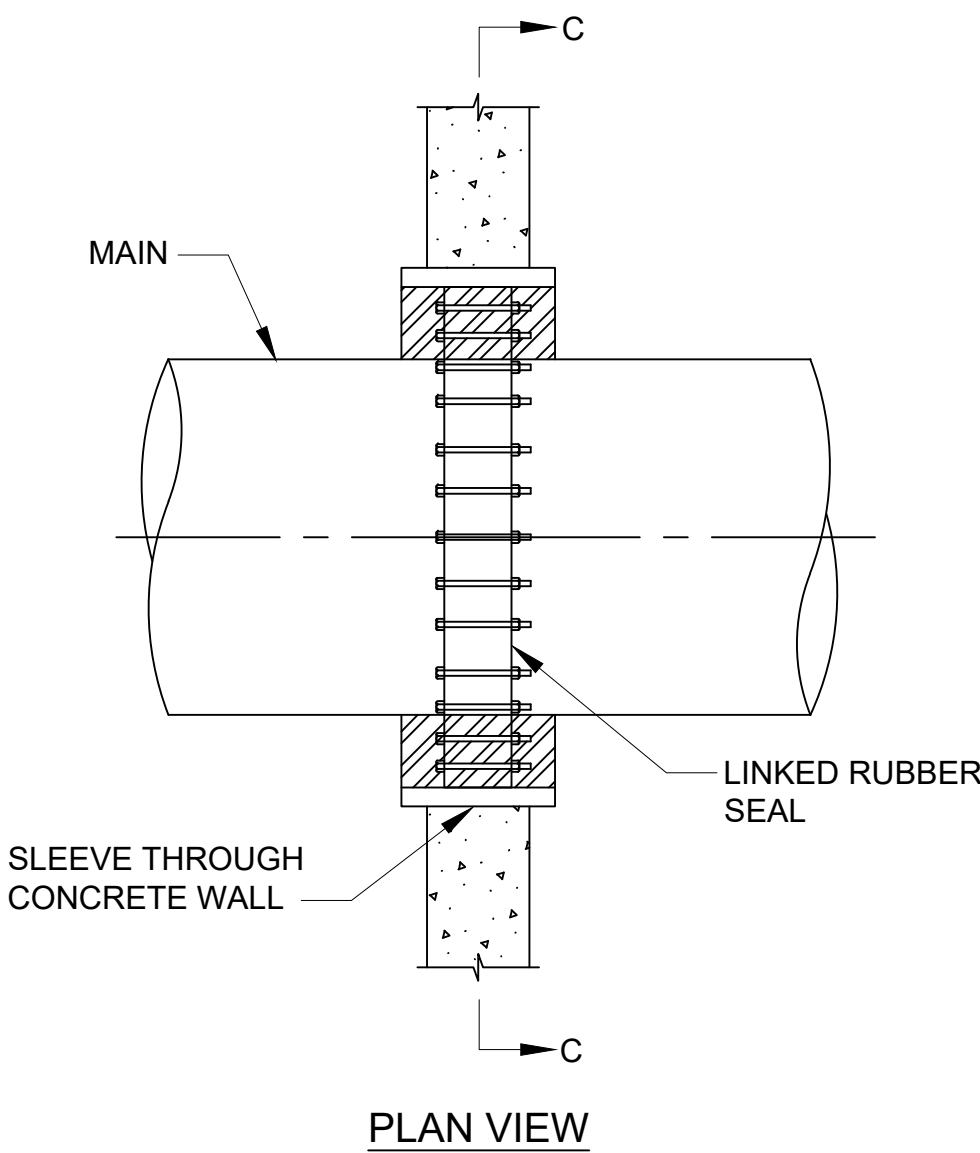
- CLEAN SURFACE OF AREA TO BE COATED OF ALL FOREIGN MATERIAL BY WIRE BRUSHING.
- APPLY COATING PRIMER TO CLEANED SURFACE.
- INSTALL PROFILING MASTIC AS SHOWN, AND FILL ALL VOIDS BETWEEN FLANGES AND BOLTS.
- APPLY INNER WAX TAPE AND OUTER PVC TAPE AS SHOWN.



COATING OF INSULATING COUPLING (CC-16)
NO SCALE

NOTES:

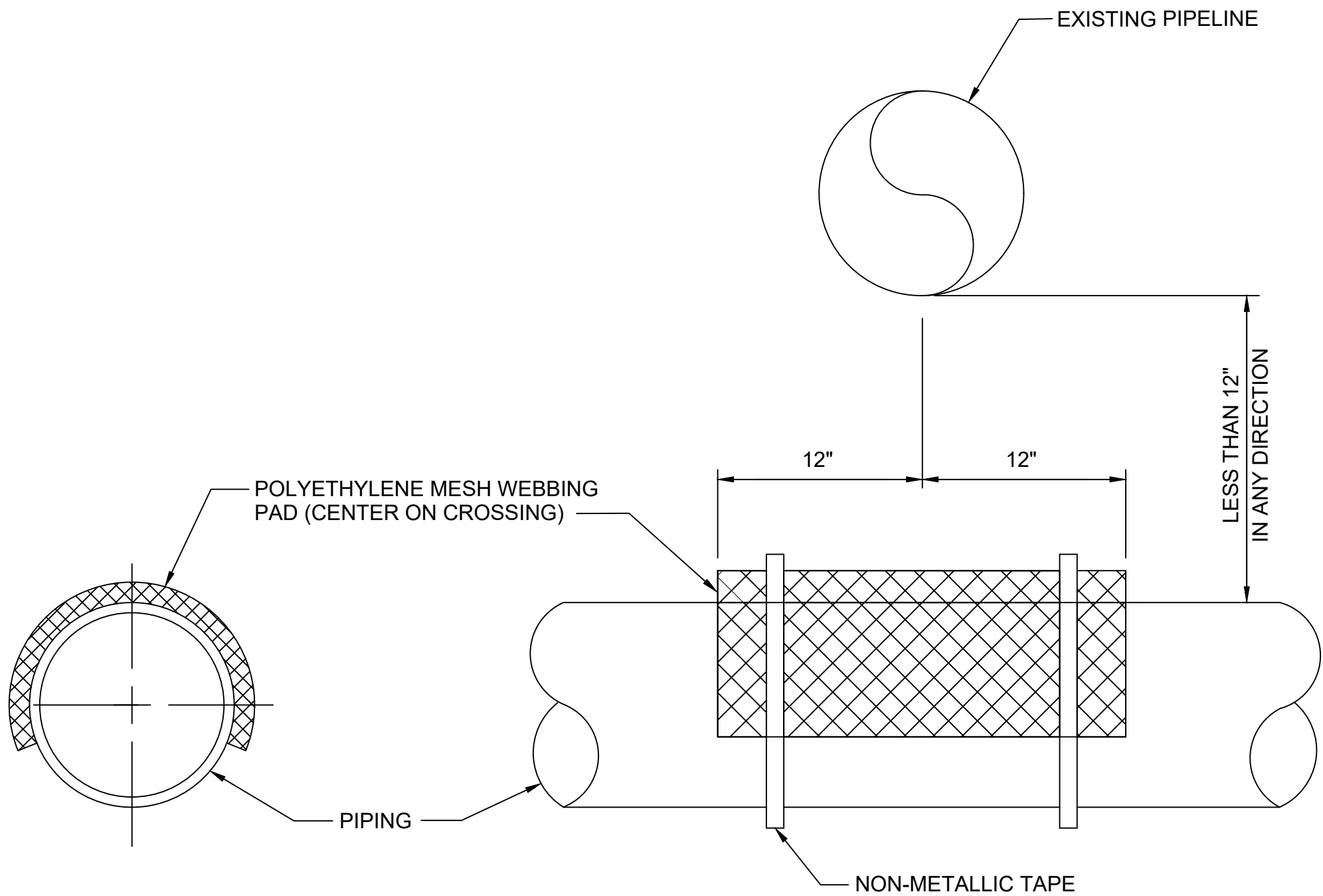
- INSTALL LINKED RUBBER SEAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURE.
- LINKED RUBBER SEALS ARE REQUIRED AT VAULTS WHERE THERE WILL NOT BE A MINIMUM OF TWO INCHES OF SPACE BETWEEN THE PIPE AND ANY AND ALL REINFORCEMENT STEEL IN THE VAULT WALLS OR FLOOR.
- NOT REQUIRED AT "DOG HOUSE" MANHOLES.



LINKED RUBBER SEAL (CC-17)
NO SCALE

NOTE:

USE ONLY WHEN PIPES ARE LESS THAN 12" APART.



SEPARATOR TO AVOID ELECTRICAL CONTACT (CC-18)
NO SCALE

CATHODIC PROTECTION NOTES:

- ALL DUCTILE IRON PIPE AND FITTINGS (REGARDLESS OF DIAMETER) SHALL BE EXTERNALLY COATED IN ACCORDANCE WITH SPECIFICATION SECTION 15061. THIS INCLUDES ALL DUCTILE IRON SERVICES AND TIE-INS.
- BOND ALL NEW DUCTILE IRON PIPE JOINTS EXCEPT THOSE THAT ARE SPECIFIED TO BE ELECTRICALLY ISOLATED, SEE DETAILS CC-05 AND CC-10.
- ELECTRICAL ISOLATION IS REQUIRED FOR ALL CONNECTIONS, INCLUDING SERVICES, TO NEW DUCTILE IRON PIPE EVEN IF THE CONNECTION OR SERVICE IS NOT SHOWN ON THE DRAWINGS, SEE DETAILS CC-07, CC-08 AND CC-09. TEST FACILITIES SHALL BE PROVIDED FOR ALL INSULATING COUPLINGS AND INSULATING FLANGES, SEE DETAILS CC-01. FOR LOCATIONS OF SERVICES, SEE PIPELINE ALIGNMENT SHEETS.
- INSTALL SEPARATOR MESH ON DUCTILE IRON PIPE AT EXISTING UTILITY CROSSINGS IF THERE IS LESS THAN 12 INCHES OF SPACING BETWEEN THEM IN ANY DIRECTION, SEE DETAIL CC-18.
- INSTALL LINKED RUBBER SEALS AT VAULT LOCATIONS TO ISOLATE PIPE FROM CONCRETE, SEE DETAIL CC-17. LINKED RUBBER SEALS ARE NOT REQUIRED AT "DOG HOUSE" STYLE VAULTS.
- FLUSH-MOUNT TYPE OF TEST STATIONS SHOULD BE INSTALLED BETWEEN STATION NUMBER 50+00 AND 98+00. ALL OTHER TEST STATIONS SHALL BE POST-MOUNT. SEE DETAILS CC-11 AND CC-12.
- DO NOT SET TEST STATIONS IN ROADWAY. PLACE TEST BOX IN FPL STRUCTURE PAD AREA OR NON-PAVED AREA NEXT TO ROADWAY. ROUTE ALL WIRES THROUGH 2-INCH SCHEDULE 80 PVC CONDUIT TO THE FINAL TEST BOX LOCATION.
- DO NOT COMBINE ADJACENT TEST STATIONS INTO A SINGLE TEST STATION.
- A LAYER OF CRUSHED STONE SHALL BE PLACED AT ALL ABOVE GRADE APPURTENANCES INCLUDING TEST STATIONS, SEE DETAILS CC-12 AND CC-13.
- AMPP/NACE SP0169 AND SP0177 SHALL BE FOLLOWED WHEN INSTALLING AND SURVEYING THE NEW DUCTILE IRON PIPING AND THE CATHODIC PROTECTION SYSTEMS.
- SEE DRAWING 412398-5WWWRCW-S3676 FOR TEST STATION SCHEDULE.

BACKCIRCLED CHANGES
PER ECN N-S-0018

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DESIGNER	WD	DRAWN	MHA
CHECKED	AJF	DATE	03/15/2023

FLORIDA POWER & LIGHT
MIAMI-DADE CLEAN WATER RECOVERY CENTER
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT
CATHODIC PROTECTION DETAILS

PROJECT	DRAWING NUMBER	REV
412398-5WWWRCW-S3675		1
CODE		
AREA		

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP	NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
								1	03/29/2023	REVISED PER ECN N-S-0018					
								0	03/15/2023	ISSUED FOR CONSTRUCTION					

ala75527
ANSI D 34x22

MicroStation v10.15.0.74
Full Size 1 = 1

TEST STATION ORDER NUMBER	STATION NUMBER	TYPE OF TEST STATION	DETAIL NUMBER	NUMBER OF ANODES	NUMBER OF GROUNDING ANODES	ANODE MATERIAL	ANODE WEIGHT (LBS)	IR TEST WIRE LENGTH
TS-01	0+20.00	ISOLATION	CC-01	4		Zinc	60	
TS-02	0+68.00	ISOLATION	CC-01	4		Zinc	60	
TS-03	0+83.11	MONITORING	CC-02	10	2	Zinc	60	
TS-04	10+17.86	MONITORING	CC-02	10	2	Zinc	60	
TS-05	18+00	MONITORING	CC-02	10	2	Zinc	60	
TS-06	27+89.95	MONITORING	CC-02	10	2	Zinc	60	
TS-07	34+00.00	MONITORING	CC-02	10	2	Zinc	60	
TS-08	43+98.30	MONITORING	CC-02	10	2	Zinc	60	
TS-09	51+94.90	MONITORING	CC-02	10	2	Zinc	60	
TS-10	58+50.00	MONITORING	CC-02	10	2	Zinc	60	
TS-11	67+00.56	MONITORING	CC-02	10	2	Zinc	60	
TS-12	75+00.00	MONITORING	CC-02	10	2	Zinc	60	
TS-13	84+39.59	FOREIGN CROSSING	CC-03	10	2	Zinc	60	
TS-14	90+50.00	MONITORING	CC-02	10	2	Zinc	60	
TS-15	98+40.78	MONITORING	CC-02	10	2	Zinc	60	
TS-16	105+80.64	MONITORING	CC-02	10	2	Zinc	60	
TS-17	112+19.26	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-18	128+59.50	MONITORING	CC-02	10	2	Zinc	60	
TS-19	132+20.46	MONITORING	CC-02	10	2	Zinc	60	
TS-20	138+65.00	MONITORING	CC-02	10	2	Zinc	60	
TS-21	145+14.41	MONITORING	CC-02	10	2	Zinc	60	
TS-22	157+80.34	MONITORING	CC-02	10	2	Zinc	60	
TS-23	163+90.00	MONITORING	CC-02	10	2	Zinc	60	
TS-24	170+65.00	MONITORING	CC-02	10	2	Zinc	60	
TS-25	177+09.88	MONITORING	CC-02	10	2	Zinc	60	
TS-26	183+66.58	MONITORING	CC-02	10	2	Zinc	60	
TS-27	189+65.00	MONITORING	CC-02	10	2	Zinc	60	
TS-28	196+69.77	MONITORING	CC-02	10	2	Zinc	60	
TS-29	203+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-30	209+85.00	MONITORING	CC-02	10	2	Zinc	60	
TS-31	216+39.78	MONITORING	CC-02	10	2	Zinc	60	
TS-32	222+65.00	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-33	240+70.00	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-34	247+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-35	253+55.00	MONITORING	CC-02	10	2	Zinc	60	
TS-36	260+29.83	MONITORING	CC-02	10	2	Zinc	60	
TS-37	266+65.00	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-38	279+65.00	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-39	285+75.95	MONITORING	CC-02	10	2	Zinc	60	
TS-40	292+36.52	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-41	311+14.81	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-42	317+67.43	IR DROP	CC-04	20	2	Zinc	60	TBD
TS-43	335+26.45	MONITORING	CC-02	10	2	Zinc	60	
TS-44	343+65.00	MONITORING	CC-02	10	2	Zinc	60	
TS-45	352+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-46	360+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-47	368+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-48	376+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-49	381+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-50	392+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-51	400+20.00	MONITORING	CC-02	10	2	Zinc	60	
TS-52	408+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-53	415+25.00	MONITORING	CC-02	10	2	Zinc	60	
TS-54	422+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-55	427+15.00	MONITORING	CC-02	10	2	Zinc	60	
TS-56	434+82.76	MONITORING	CC-02	10	2	Zinc	60	

TEST STATION SCHEDULE TABLE
NO SCALE

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Professional Engineer
License No.82696

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OVERLAND PARK, KANSAS 66211

DESIGNER	WD	DRAWN	MHA
CHECKED	AJF	DATE	03/15/2023

FLORIDA POWER & LIGHT
MIAMI-DADE CLEAN WATER RECOVERY CENTER
OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT CATHODIC PROTECTION DETAILS

PROJECT	DRAWING NUMBER
412398-SWWRRCW-S3676	

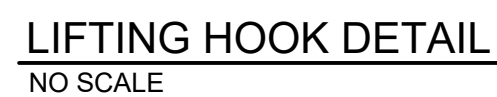
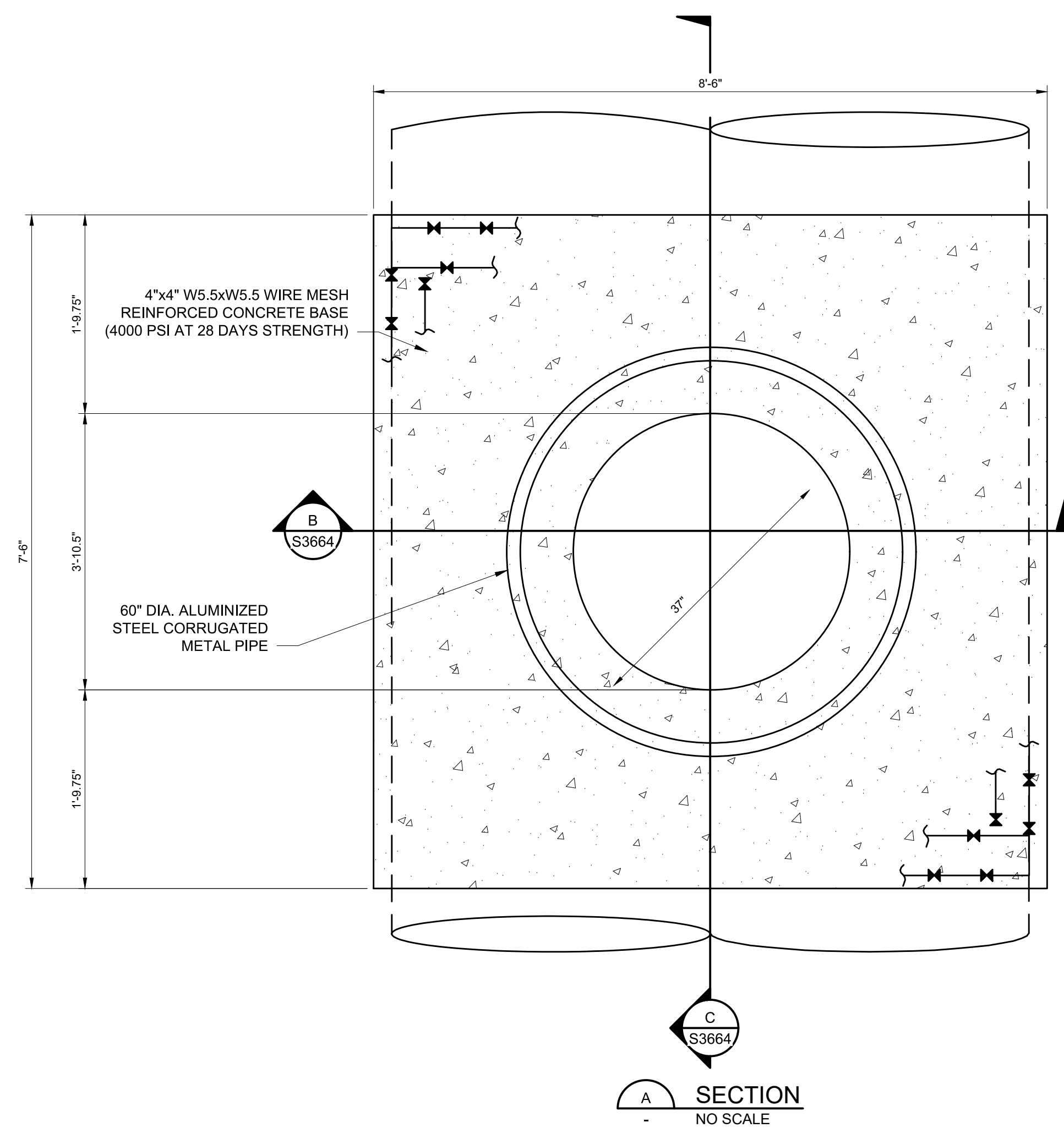
CODE	AREA
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REV
1

**BACKCIRCLED CHANGES
PER ECN N-S-0018**

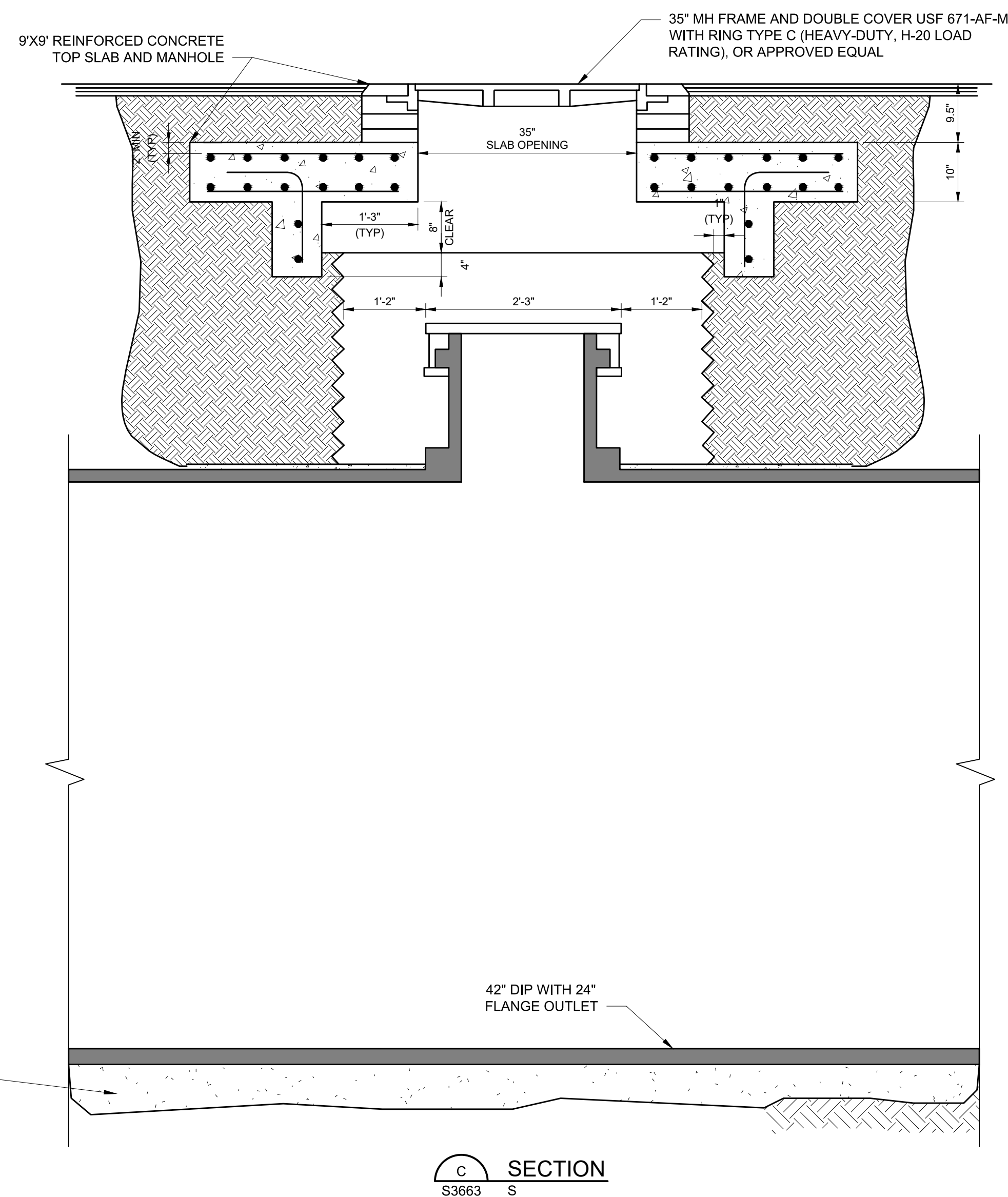
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DESIGNER CIG		DRAWN CIG		CODE AREA		OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT DETAILS PIPELINE ACCESS MANHOLE-SECTIONS			
CHECKED OL		DATE 3/20/23							



TYPICAL PIPE TRENCH (PAVEMENT)

SCALE: N.T.S.



TYPICAL PIPE TRENCH (GRAVEL ROAD)

SCALE: N.T.S.



TYPICAL PIPE TRENCH (WETLANDS)

SCALE: N.T.S.

- NOTES:

- 1

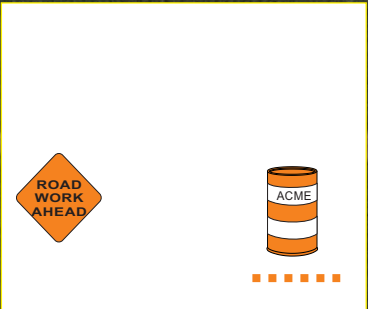
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1



Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350



This Certifies that
ROOSEVELT BYNES

Has Completed a Florida Department of Transportation Approved
Temporary Traffic Control (TTC) Advanced (Refresher) Course.

Date Expires: 01/14/2026 Certificate # 80573
Instructor: Paul Arenth FDOT Provider # 134

A&SW Consultants, Inc.
Phone: 386-788-9899
5545 Benchmark Lane
Sanford, FL 32773
www.FloridaMOT.com
nicolle@aswconsultants.com



MOT SHALL COMPLY WITH THE FDOT DESIGN STANDARDS AND THE MUTCD

OVERVIEW

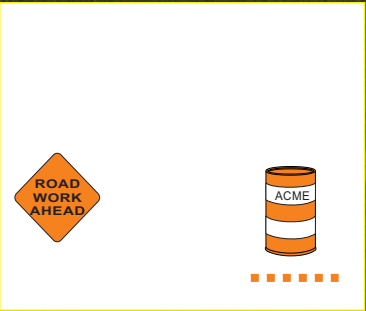
REFERENCE INDEXES 102-602 & 604

**STANDARD FLAGGING & SHOULDER CLOSURES
FOR WORK IN THE RIGHT OF WAY
SET-UP/TAKE-DOWN FROM 9AM-5PM
MON-FRI**

**SW 97TH AVE
MIAMI, FLA**







Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350



This Certifies that
ROOSEVELT BYNES

Has Completed a Florida Department of Transportation Approved
Temporary Traffic Control (TTC) Advanced (Refresher) Course.

Date Expires: 01/14/2026
Instructor: Paul Arenth

Certificate # 80573
FDOT Provider # 134

A&SW Consultants, Inc.
Phone: 386-788-9899
5545 Benchmark Lane
Sanford, FL 32773
www.FloridaMOT.com
nicolle@aswconsultants.com



MOT SHALL COMPLY WITH THE FDOT DESIGN STANDARDS AND THE MUTCD

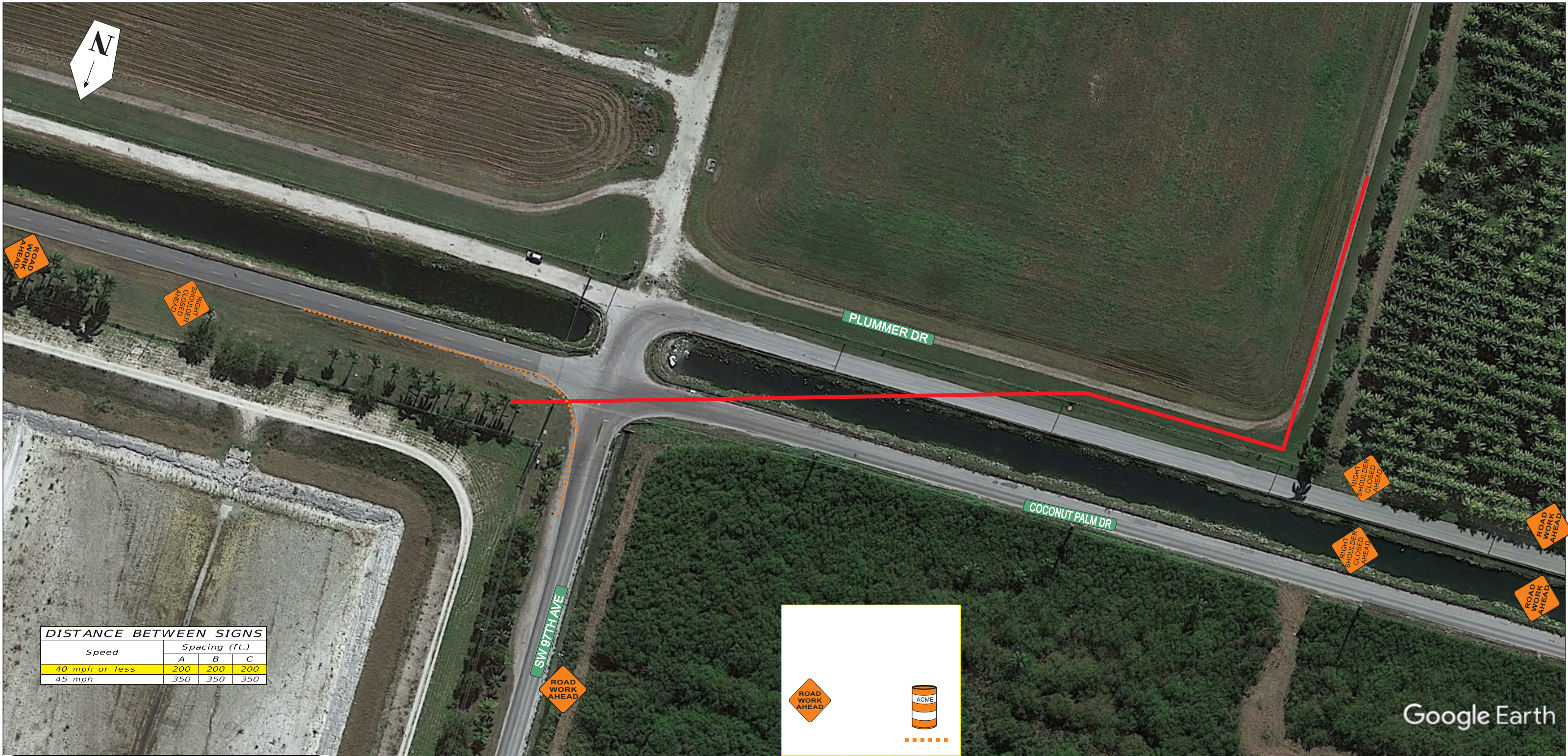
OVERVIEW

REFERENCE INDEXES 102-602 & 604

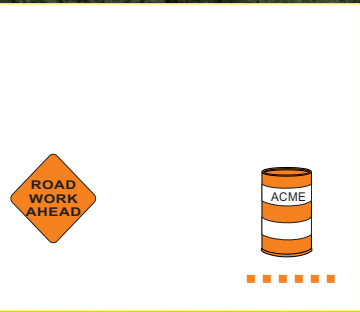
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OVERVIEW REFERENCE INDEXES 102-602 & 604

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MON-FRI**

**SW 97TH AVE
MIAMI, FLA**





From: [Velazquez, Christine \(RER\)](#)
To: [Hall, Danielle](#)
Cc: [Seiler, Ann](#); [Ignacio, Camilo \(RER\)](#); [Mallary, Lakisha \(RER\)](#); [Rincon, Ninfa \(RER\)](#)
Subject: RE: Turkey Point (PA 034-45G) - Class III Post-Certification Submittal - Part 2
Date: Friday, February 10, 2023 10:29:32 AM

Caution - External Email (christine.velazquez@miamidade.gov)

Report this Email

Quick response

Emergency response

Tips

Good morning Danielle,

Miami-Dade County Division of Environmental Resources Management (DERM) has reviewed the Class III Post-Certification Submittal - Part 2 and has determined that the submittal is in compliance with the Turkey Point Conditions of Certification (PA03-45G) for the FPL Miami-Dade Clean Water Recovery Center (CWRC) Project.

Regards,

Christine Velazquez, Division Chief
Code Coordination and Environmental Initiatives
Miami-Dade Department of Regulatory and Economic Resources
Division of Environmental Resources Management (DERM)
701 NW 1st Court, 4th floor
Miami, Florida 33136
Phone: 305-372-6764

Email: Christine.Velazquez@miamidade.gov

Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. E-mail messages are covered under such laws and thus subject to disclosure.

From: Hall, Danielle <Danielle.Hall@nexteraenergy.com>
Sent: Tuesday, February 7, 2023 9:32 AM
To: Velazquez, Christine (RER) <christine.velazquez@miamidade.gov>
Cc: Seiler, Ann <Ann.Seiler@FloridaDEP.gov>; Ignacio, Camilo (RER) <Camilo.Ignacio@miamidade.gov>
Subject: FW: Turkey Point (PA 034-45G) - Class III Post-Certification Submittal - Part 2

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good morning Christine,

I'm following up on this submittal as we are approaching the 90 deadline (2/12). Please let me know if you have any questions.

Thank you,

Danielle

From: Hall, Danielle

Sent: Monday, November 14, 2022 9:56 AM

To: SCO <SCO@dep.state.fl.us>; Christine Velazquez (<Christine.Velazquez@miamidade.gov>
<christine.velazquez@miamidade.gov>

Cc: Seiler, Ann <Ann.Seiler@FloridaDEP.gov>; Ignacio, Camilo (RER)
<Camilo.Ignacio@miamidade.gov>; XAVIER, David <David.XAVIER@fpl.com>

Subject: RE: Turkey Point (PA 034-45G) - Class III Post-Certification Submittal - Part 2

Good morning,

FPL made a post-certification submittal for a Class III compliance determination in accordance with Section A, Condition XXI and Section B, Condition VII.D.1 of the Turkey Point Conditions of Certification (PA03-45G) for the FPL Miami-Dade Clean Water Recovery Center (CWRC) Project. The submittal was made through Miami-Dade's online EPS Portal (Confirmation UP23013023). The submittal and confirmation are attached.

FPL will also provide a hardcopy to the MDC address provided in the Conditions of Condition.

Thank you,

Danielle Hall, P.E.

Senior Project Manager

941-928-5464

Danielle.Hall@fpl.com



November 14, 2022

Miami-Dade County
Office of General Counsel
111 NW 1st Street
Miami, Florida 33128

RE: FPL Miami-Dade Clean Water Recovery Center Project
Turkey Point Conditions of Certification (PA03-45G)
Post-Certification Submittal for Class III Compliance Determination – Part 2

To Whom It May Concern:

Florida Power & Light Company (FPL) is pleased to submit the enclosed post-certification submittal for a Class III compliance determination for the crossing of the Goulds Canal in accordance with Section A, Condition XXI and Section B, Condition VII.D.1 of the Turkey Point Conditions of Certification (PA03-45G) for the FPL Miami-Dade Clean Water Recovery Center (CWRC) Project. Section B, Condition VII.D.1 states,

“Prior to construction of the CWRC, the Licensee shall submit all information necessary for a Class III permit for review by MDC under the post-certification process outlined in Section A, Condition XXI. Procedures for Post-Certification Submittals. No separate permit shall be issued.”

The Project consists of a new reclaimed waterline and an advanced reclaimed water treatment facility known as the CWRC. The Project will provide up to 15 million gallons per day of further treated reclaimed water to Turkey Point Clean Energy Center Unit 5 for cooling purposes. The Site Certification Modification authorizing the project was issued on January 24, 2022.

The CWRC will be constructed upon previously disturbed uplands at the Turkey Point Clean Energy Center property. The proposed reclaimed waterline will extend approximately 8-miles from the Miami-Dade County South District Wastewater Treatment Plant located in the vicinity of SW 232nd Street to the Turkey Point Clean Energy Center in Homestead, FL. The waterline will cross four Miami-Dade County canal rights-of-way. The proposed crossings will be installed using sub-aqueous trenchless installation methods and will not alter or impair the purpose, function, hydrology, or hydraulic conditions of the canals.

Enclosed is the Class III permit application form and supporting drawing specific to the Goulds Canal crossing for review in accordance with Section A, Condition XXI, and Section B, Condition VII.D.1 of the Conditions of Certification. FPL previously submitted information for the three other crossings and Miami-Dade County issued a compliance determination on November 2, 2022 for those crossings.

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

If you have any comments or questions regarding the attached application, please feel free to contact me.

Sincerely,



Danielle Hall
Senior Project Manager
Danielle.Hall@fpl.com
(941) 928-5464

Electronic copies:

Ann Seiler, Siting Coordination Office, Ann.Seiler@FloridaDEP.gov

Christine Velazquez, DERM, Christine.Velazquez@miamidade.gov

Carlos Calvache, DERM, Carlos.Calvache@miamidade.gov

Camilo Ignacio, DERM, Camilo.Ignacio@miamidade.gov



CLASS II, III, VI
PERMIT APPLICATION FORM

miamidade.gov

For Departmental Use Only

Date Received: _____ Application #: _____ Reviewer: _____

Fee Received: _____ Tracking #: _____

1. Type of Water Control Permit Application:

- ☐ Class II Permit (Construction of drainage system with overflow or outfall in, on or upon any water body).
☒ Class III Permit (Construction within county owned or controlled canal right-of-way, reservation, or easement).
☐ Class VI Permit (Construction of a drainage system for any project that has known soil or groundwater contamination or that uses, generates, handles, disposes of, discharges, or stores hazardous materials).

Note: Application provided to demonstrate compliance with Turkey Point Conditions of Certification.

2. Checklist: INCOMPLETE APPLICATION PACKAGE WILL NOT BE PROCESSED

- ☐ Application Fee (all fees include a 7.5% RER surcharge):
☐ Construction costs less than \$2,499.00 - fee is **\$215.00+\$16.13 = \$231.13**
☐ Construction costs more than \$2,500.00 - fee is **\$490.00+\$36.75 = \$526.75**
Note: After-the-Fact permit applications will be twice of the original fee, plus Departmental administrative enforcement costs
☒ 3 sets of construction plans*
☐ 1 set of drainage calculations*
☒ 1 copy of topographic or boundary survey
☐ A vertical aerial photograph or project location map
☒ Engineer letter of certification (See **ATTACHMENT A**)

No separate permit shall be issued. See cover letter for additional explanation.

Other items may be required depending on the nature of the work (See **ATTACHMENT B**)

* Must be signed and sealed by an engineer licensed in the State of Florida.

3. Project Information:

This application is for a(n): ☒ New Permit ☐ After the Fact Permit

Project Name: FPL Miami-Dade Clean Water Recovery Center Project Folio: Several Locations

Location: 1) Military Canal East of SW 107th Street, 2) Canal West of 312 St.; 3) North Canal West of L-31 Canal **4) Goulds Canal**

Section: 8, 17, 21 Township: 57 Range: 40 Municipal: _____

Is the proposed work in a contaminated site? ☐ Yes ☒ No ☐ Unknown If yes, refer to **ATTACHMENT C**

Description of proposed work:

The sub-aqueous pipeline crossings of three Miami-Dade canals using the horizontal directional drill (HDD) method at the Military Canal (Section/Township/Range: 8-57-40), 312th Street Canal (Section/Township/Range: 8-57-40 & 17-57-40) and the North Canal (Section/Township/Range: 17-57-40 & 21-57-40). The crossings are for the FPL Miami-Dade Clean Water Recovery Center (CWRC) Project and include the HDD installation of a 42" diameter reclaimed water pipeline used to convey water from the South District WWTP to the Turkey Point Power Plant.

This Part 2 submittal covers the sub-aqueous crossing of the Goulds Canal.

3. Project Information (Continuation):Date activity is proposed to commence Dec. 2022 Date activity is proposed to be completed: April 2025Cost of project construction*: \$ N/A Permit application fee and this project's construction cost is not applicable as the project is authorized through the Power Plant Siting Act.**Proposed Use**

☐ Residential ☐ Commercial ☐ Recreational ☒ Industrial ☐ Highway or road
☐ Agricultural ☐ Institutional ☐ Landfill ☐ Other, Specify: _____

***Cost of project construction is as follows: Class II & VI – total cost of drainage work ONLY, Class III – total cost or construction work within the canal right-of-way, reservation or easement ONLY.**

4. Applicant Information:

This should be the applicant's information for contact purposes.

Name: Michael SoleCompany: Florida Power & LightAddress: 700 Universe Blvd., Juno Beach, FLZip Code: 33408

Phone: _____ Fax: _____

Email: Danielle.Hall@fpl.com**5. Applicant's Authorized Permit Agent:**

Agent is authorized to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.

Name: Danielle HallCompany: Florida Power & LightAddress: 700 Universe Blvd. Juno Beach, FLZip Code: 33408Phone: 941-928-5464 Fax: _____Email: Danielle.Hall@fpl.com**6. Contractor Information:**Name: Abdul R Andoh License No. (County/State): CGC1527470 (Florida)Company: Overland Contracting IncAddress: 11401 Lamar Ave Overland Park, KS Zip Code: 66211Phone: 913-458-3781 Fax: _____ Email: andoha@bv.com**7. Professional Engineer Information:**Name: Olena Lytvyn P.E. License No.: 82696Company: Black & VeatchAddress: 2121 Ponce de Leon, Suite 305, Coral Gables, FL Zip Code: 33134Phone: 786-347-1313 Fax: _____ Email: LytvynO@BV.com**8. List all permits or certifications that have been applied for or obtained for the above referenced work:**

- Issuing Agency FDEP Permit Type Mod to Site Certification ID # FDEP Case #PA03-45G
Application Date July 29, 2021 Approval Date January 24, 2022
- Issuing Agency FDEP Permit Type Minor Revision to WWTP ID # FLA042137-029-DW1-MR
Application Date April 6, 2022 Approval Date April 29, 2022
- Issuing Agency US Army Corp of Engineers Permit Type Standard 404 and 408 Permit ID # ID SAJ-2004-00813
Application Date August 12, 2021 Approval Date August 9, 2022

9. APPLICANT AFFIRMATION:

Application is hereby made for a Miami-Dade County Class (circle one) II , III , VI permit to authorize the activities described herein. I agree to or affirm the following:

- I possess the authority to authorize the proposed activities at the subject property, and
- I am familiar with the information, data and plans contained in this application, and
- To the best of my knowledge and belief, the information, data and plans submitted are true, complete and accurate, and
- I will apprise the Department of any changes to information provided in this application, and
- I will provide any additional information, evidence or data necessary to provide reasonable assurance that the proposed project will comply with the applicable State and County water quality standards both during construction and after the project is completed, and
- I am authorizing the permit agent listed in Section 5 of this application to process the application, furnish supplemental information relating to this application and bind me to all requirements of this application, and
- I agree to provide entry to the project site to inspectors and authorized representatives of Miami-Dade County, with proper identification or documents as required by law, for the purpose of preliminary analysis, verification, sampling, monitoring, and observation of permitted activities.
- **Class III only:** The Applicant shall indemnify and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorney's fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from performance of this Class III Permit by the Applicant or its employees, agents, servants, partners, principals, subcontractors, or invitees. The Applicant shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. The Applicant expressly understands and agrees that any insurance protection required by this Permit or otherwise provided by the Applicant shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.

A. IF APPLICANT IS AN INDIVIDUAL N/A

Signature of Applicant

Print Applicant's Name

Date

B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON

(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Florida Power & Light Company

Florida

Print Name of Applicant (Enter the complete name as registered)

Type (Corp, LLC LLP, etc.)

State of Registration/Incorporation

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages (ATTACHMENT D).



Michael Sole

Vice President

9/23/22

Signature of Authorized Representative

Print Authorized Representative's Name

Title

Date

C. IF APPLICANT IS A JOINT VENTURE Each party must sign below (If more than two members, list on attached page)

Print Name of Applicant (Enter the complete name as registered)

Type (Corp, LLC LLP, etc.)

State of Registration/Incorporation

Print Name of Applicant (Enter the complete name as registered)

Type (Corp, LLC LLP, etc.)

State of Registration/Incorporation

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages (ATTACHMENT D).

Signature of Authorized Representative Print Authorized Representative's Name Title Date

Signature of Authorized Representative Print Authorized Representative's Name Title Date

10. WRITTEN CONSENT OF THE PROPERTY OWNER FOR THE PROPOSED WORK LOCATION

I/We are the fee simple owner(s) of the real property located at _____ Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio _____. I am aware and familiar with the contents of this application for a Miami-Dade County Class II, III, or VI Permit to perform the work on the subject property, as described in the section 3 of this application. I hereby consent to the work identified in Class II, III, or VI Permit application.

A. IF THE OWNER IS AN INDIVIDUAL N/A as easements and/or permits will be obtained for waterline construction corridor for areas not within FPL's property.

Signature of Owner Print Owner's Name Date

Signature of Owner Print Owner's Name Date

Signature of Owner Print Owner's Name Date

B. IF THE OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON

(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Print Name of Applicant (Enter the complete name as registered) Type (Corp, LLC LLP, etc.) State of Registration/Incorporation

Address of Owner

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Owner, to bind the Owner, and if so required to authorize the issuance of a bond on behalf of the Owner. (If asked, you must provide proof of such authority to the Department). Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages (ATTACHMENT E).

Signature of Authorized Representative Print Authorized Representative's Name Title Date

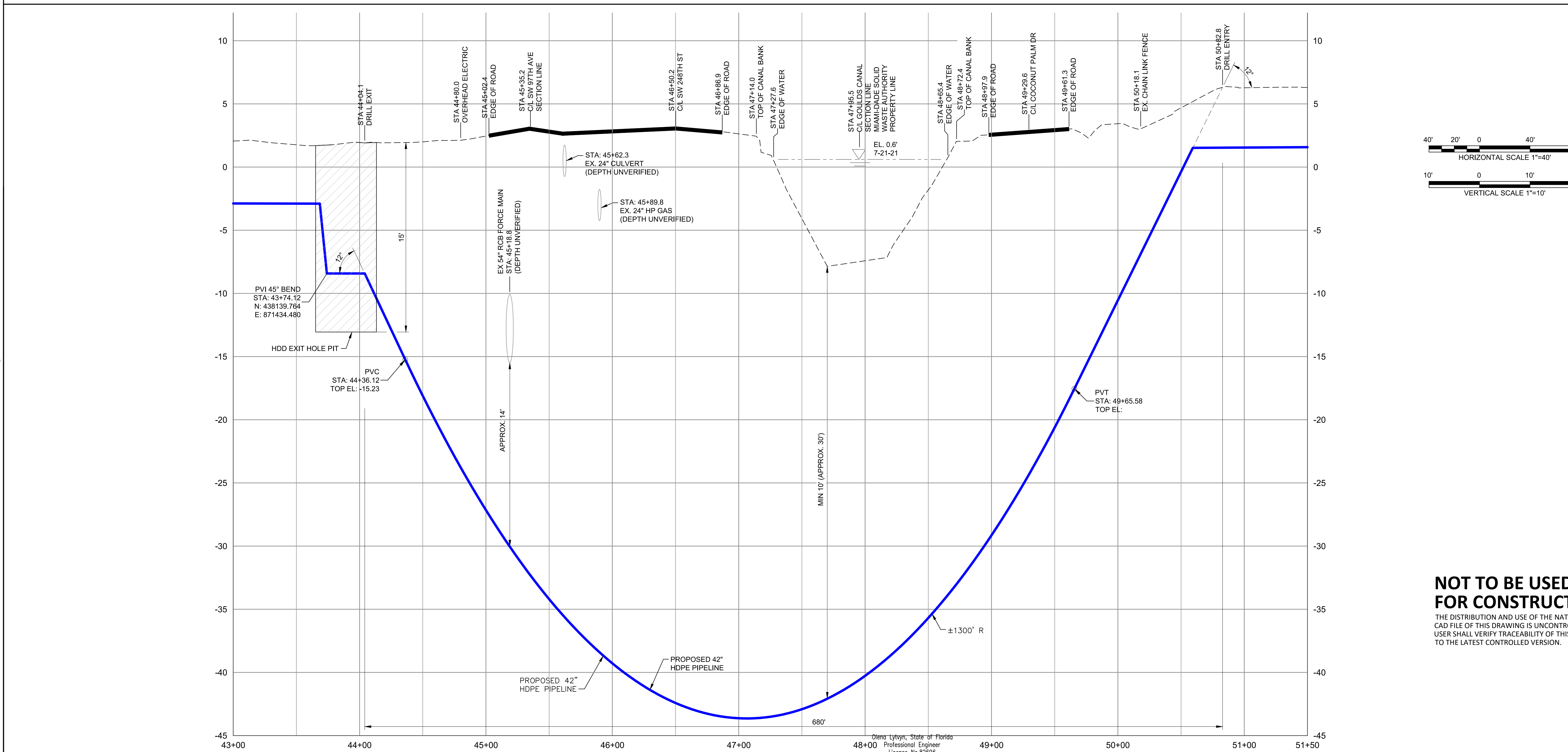
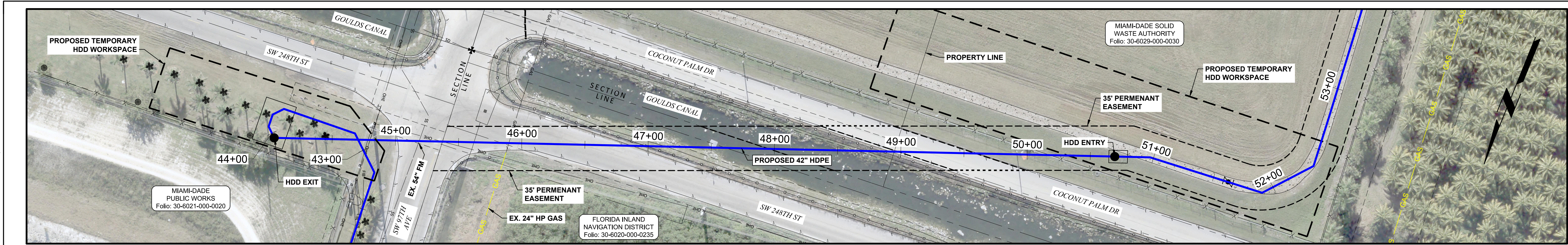
Signature of Authorized Representative Print Authorized Representative's Name Title Date

Appropriate signature(s) must be included in:

Box 9: either A, B or C **AND** Box 10: either A or B

The written consent of the property owner is required for all applications to be considered complete. Your application WILL NOT BE PROCESSED unless the Applicant and Owner Consent (sections 9 and 10) portions of the application are completed.

NOTE: THIS APPLICATION SHALL NOT, AT ANY TIME, BE CONSTRUED AS A PERMIT TO COMMENCE THE SCOPE OF WORK PROPOSED. WHEN PLANS ARE APPROVED, A PERMIT WILL BE ISSUED BY WATER CONTROL SECTION



**NOT TO BE USED
FOR CONSTRUCTION**

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

																				License: NU-020294										This item has been digitally signed and sealed by Olena Lytvyn on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.										FLORIDA POWER & LIGHT MIAMI-DADE CLEAN WATER RECOVERY CENTER OFFSITE 42" REUSE PIPELINE - SDWWTP TO TURKEY POINT GOULDS CANAL CROSSING PLAN AND PROFILE										PROJECT 412398										DRAWING NUMBER 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Date: November 11, 2022

Miami-Dade County RER/ERM
Water Control Section
701 N.W. 1st Court, 6th Floor
Miami, Florida 33136

RE: Project Name: FPL Miami-Dade Clean Water Recovery Center

Description of proposed work: Goulds Canal sub-aqueous 42" pipeline crossing using the horizontal directional drill method. Crossings are for the conveyance of reclaimed water from the South District WWTP to the Turkey Point Power Plant.

This letter will certify that I am an engineer licensed in the State of Florida, qualified by education and experience in the area of construction, and that to the best of my knowledge and belief, the proposed work does not violate any laws of the State of Florida or any provision of the Code of Miami Dade County which may be applicable; that diligence and recognized standard practices of the engineering profession have been exercised in the engineer's design process for the proposed work, and in my opinion based upon my knowledge and belief, the following will not occur:

- a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.
- b. Harmful or increased erosion, shoaling of channels or stagnant areas of water.
- c. Material injury to adjacent property.

Further, I have been retained by the applicant to provide inspections throughout the construction period and to prepare a set of reproducible record prints of drawings showing changes made during the construction process based upon the marked-up prints, drawings, and other data furnished by the contractor to me.

Sincerely,

Olena Lytvyn, State of Florida
Professional Engineer
License No.82696

This item has been digitally signed and sealed by Olena Lytvyn on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Olena Lytvyn, P.E.
P.E. #: 82696