

THIS CONTRACT SET INCLUDES:

ROADWAY PLANS

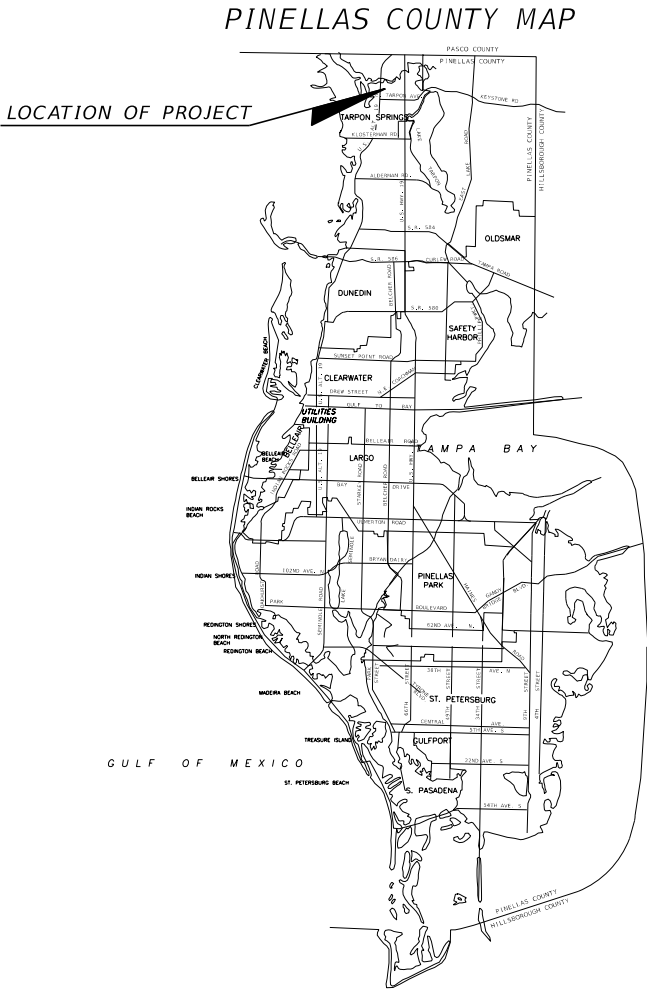
CITY OF TARPON SPRINGS

PLANS OF PROPOSED

PENT STREET AND GROSSE AVENUE
DRAINAGE AND ROADWAY IMPROVEMENTS

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3-4	SUMMARY OF PAY ITEMS
5-7	TYPICAL SECTION
8	TYPICAL SECTION DETAILS
9	SUMMARY OF DRAINAGE STRUCTURES
10	PROJECT LAYOUT
11	GENERAL NOTES
12-21	ROADWAY PLAN-PROFILE
22-25	INTERSECTION DETAIL
26	SIDEWALK GRADING DETAIL
27-42	DRAINAGE STRUCTURES
43-52	POND DETAILS
53-58	DRAINAGE DETAILS
59-60	STORMWATER POLLUTION PREVENTION PLAN
61-62	TEMPORARY TRAFFIC CONTROL PLAN
63-65	TEMPORARY TRAFFIC CONTROL DETOUR
66	BOX CULVERT DATA TABLES
67	REINFORCING BAR LIST
68	SUMMARY OF VERIFIED UTILITIES
69-78	UTILITY ADJUSTMENT SHEET
79-87	WATER & SANITARY SEWER PLAN-PROFILE
88-89	WATER & SANITARY SEWER DETAILS
90-94	SIGNING & PAVEMENT MARKINGS



CITY OF TARPON SPRINGS CITY COMMISSIONERS

MAYOR
VICE MAYOR
COMMISSIONER
COMMISSIONER
COMMISSIONER

CHRIS ALAHOUZOS
TOWNSEND TARAPANI
CONNOR DONOVAN
JACOB KARR
REA SIEBER

PREPARED BY:

ICON
CONSULTANT GROUP
INCORPORATED

ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
TAMPA, FL 33618
PH: (813) 962-8689
CERTIFICATE OF AUTHORIZATION NO. 8230

PLANS ENGINEER OF RECORD: BRYAN A. ANDERSON

P.E. NO.: 64617

NOTE: THE SCALE OF
THESE PLANS MAY HAVE
CHANGED DUE TO
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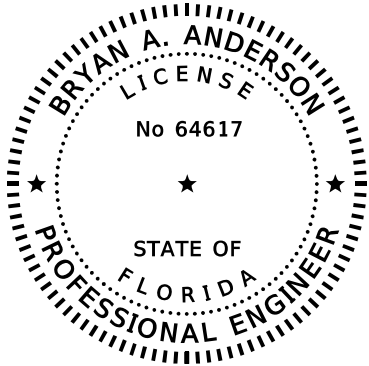
SHEET
NO.

1

GOVERNING STANDARDS AND SPECIFICATIONS

- CITY OF TARPON SPRINGS STANDARD TECHNICAL SPECIFICATIONS (FEBRUARY 2011).
- FLORIDA DEPARTMENT OF TRANSPORTATION:
 - FLORIDA DEPARTMENT OF TRANSPORTATION, FY2018-19 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRS). STANDARD PLANS FOR ROAD CONSTRUCTION AND ASSOCIATED IRS ARE AVAILABLE AT THE FOLLOWING WEBSITE: [HTTP://WWW.FDOT.GOV/DESIGN/STANDARDPLANS](http://www.fdot.gov/design/standardplans)
 - FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE: [HTTP://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS](http://www.fdot.gov/programmanagement/implemented/specbooks)
- PINELLAS COUNTY MATERIAL SPECIFICATION MANUAL (SEPTEMBER 2015).

REVISIONS		
DATE	BY	DESCRIPTION



THIS DOCUMENT HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

Bryan A
Anderson

Digitally signed by
Bryan A Anderson
Date: 2020.03.23
08:24:39 -04'00'

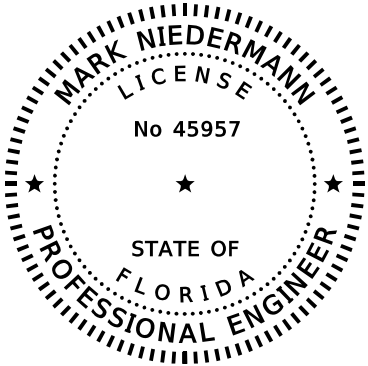
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ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
TAMPA, FLORIDA 33618
CERTIFICATE OF AUTHORIZATION NO.: 8230
BRIAN A. ANDERSON, P.E. NO. 64617

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE
FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
3-4	SUMMARY OF PAY ITEMS
5-7	TYPICAL SECTION
8	TYPICAL SECTION DETAILS
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90-94	SIGNING & PAVEMENT MARKINGS



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SIGNED AND SEALED BY:

Mark
Niedermann

2020.03.20
09:52:45 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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FBT-FLORIDA BRIDGE AND TRANSPORTATION, INC.
633 DARTMPOUTH STREET
ORLANDO, FLORIDA 32804
CERTIFICATE OF AUTHORIZATION NO.: 26379
MARK NIEDERMANN, P.E. NO. 45957

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE
FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
61	DRAINAGE DETAILS
69	BOX CULVERT DATA TABLES
70	REINFORCING BAR LIST

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					2

PROJECT SUMMARY OF PAY ITEMS						
FOR PROJECT: PENT STREET AND GROSSE AVENUE						
CITY OF TARPON SPRINGS						
COUNTY : PINELLAS						
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	PENT / GROSSE	QUANTITY TOTAL
		0101 - 1	MOBILIZATION	LS	1	1
		0102- 1	MAINTENANCE OF TRAFFIC	LS	1	1
		0104- 10- 3	SEDIMENT BARRIER	LF	3694	3694
		0104 11	FLOATING TURBIDITY BARRIER	LF	140	140
		0104- 18-	INLET PROTECTION SYSTEM	EA	26	26
		0110- 1- 1	CLEARING & GRUBBING	LS/AC	1 / 6.98	1 / 6.98
		0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	2265	2265
		0110- 7- 1	MAILBOX, F&I SINGLE	EA	19	19
		0120- 1-	REGULAR EXCAVATION	CY	14651	14651
		0120- 6-	EMBANKMENT	CY	768	768
		0160- 4	TYPE B STABILIZATION	SY	7188	7188
		0285-701	OPTIONAL BASE, BASE GROUP 01	SY	71	71
		0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	71	71
		0334- 1- 12	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B	TN	512.3	512.3
		0520- 2- 4	CONCRETE CURB , TYPE D	LF	3719	3719
		0522- 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	1631	1631
		0522- 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	511	511
		0524- 1- 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	1	1
		0524- 1- 29	CONCRETE DITCH PAVEMENT, REINFORCED, 4"	SY	91	91
		0527- 2	DETECTABLE WARNINGS	SF	241	241
		0550- 10-228	FENCING, TYPE B, 5.1 - 6.0, RESET EXISTING	LF	125	125
		0550- 60-222	FENCE GATE, TYPE B, DBL, 6.1-12' OPENING	EA	1	1
		0570- 1- 2	PERFORMANCE TURF, SOD	SY	20645	20645
		0425- 2- 61	MANHOLES, P-8, <10'	EA	3	3
		0425- 2- 62	MANHOLES, P-8, >10'	EA	1	1
		0425- 2- 91	MANHOLES, J-8, <10'	EA	3	3
		0425- 2- 92	MANHOLES, J-8, >10'	EA	4	4
		0425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	4	4
		0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	15	15
		0425- 1-451	INLETS, CURB, TYPE J-5, <10'	EA	2	2
		0425- 1-452	INLETS, CURB, TYPE J-5, >10'	EA	1	1

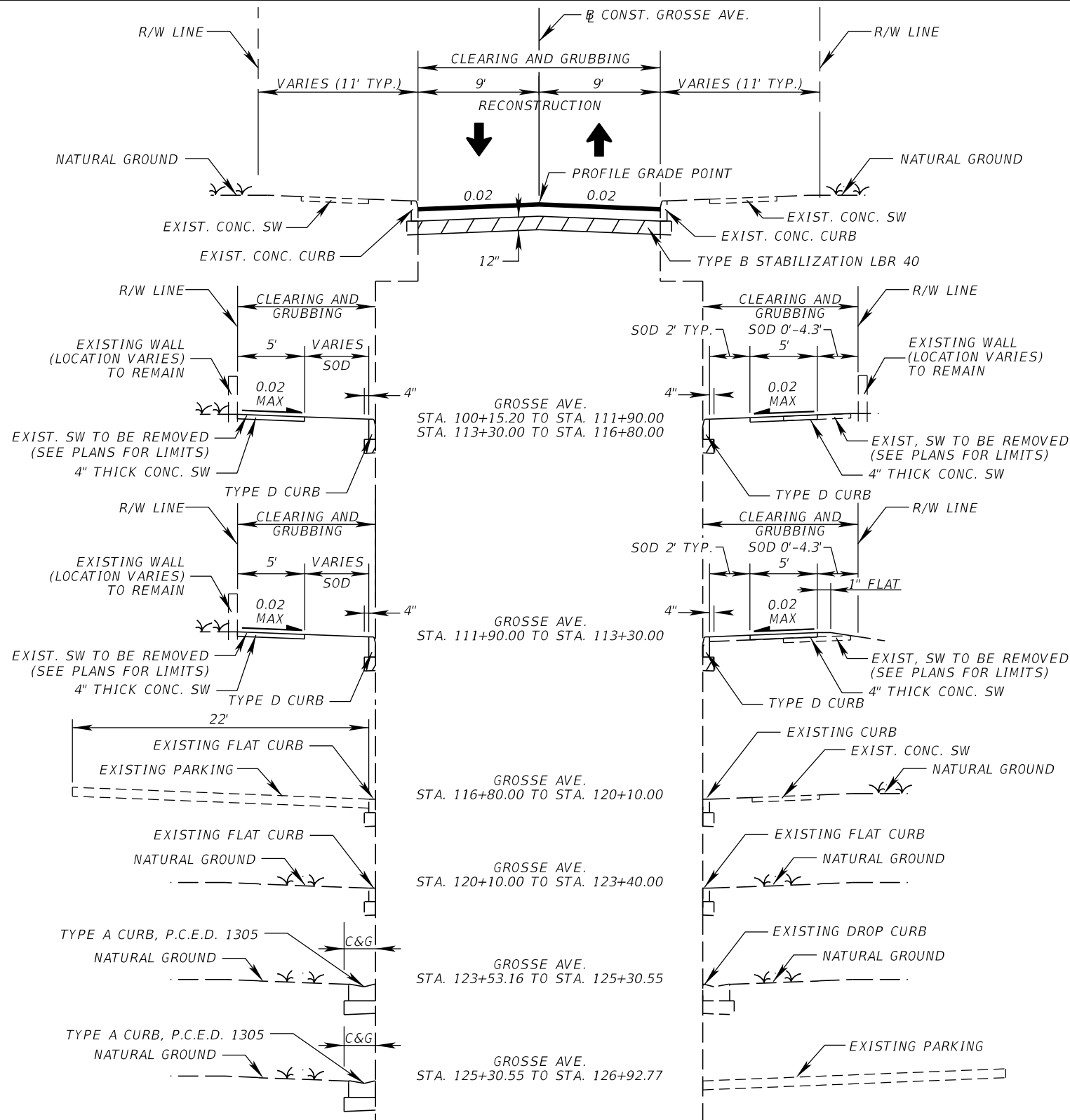
PROJECT SUMMARY OF PAY ITEMS						
FOR PROJECT: PENT STREET AND GROSSE AVENUE						
CITY OF TARPON SPRINGS						
COUNTY : PINELLAS						
0200 SUMMARY OF ROADWAY						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	PENT / GROSSE	QUANTITY TOTAL
		0425- 1-461	INLETS, CURB, TYPE J-6, <10'	EA	3	3
		0425- 1-521	INLETS, DT BOT, TYPE C,<10'	EA	1	1
		0425- 1-549	INLETS, DT BOT, TYPE D, MODIFY	EA	1	1
		0425- 1-589	INLETS, DT BOT, TYPE H, MODIFY	EA	2	2
		0430-982-120	MITERED END SECTION, OPTIONAL ROUND, 8" CD	EA	1	1
		0430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	1	1
		0430-982-141	MITERED END SECTION, OPTIONAL ROUND, 48" CD	EA	1	1
		0430-175-118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	163	163
		0430-175-124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	315	315
		0430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	473	473
		0430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	371	371
		0430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	480	480
		0430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	185	185
		0430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	LF	164	164
		0430-175-160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	LF	981	981
		0430-175-254	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 54"S/CD	LF	381	381
		0430-175-272	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 72"S/CD	LF	392	392
		0430-830	PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE	CY	96	96
		0530- 3- 3	RIPRAP- RUBBLE, BANK AND SHORE	TN	52.3	52.3
		0530- 3- 4	RIPRAP- RUBBLE, F&I, DITCH LINING	TN	6.9	6.9
		SPECIAL	CONCRETE CURB , TYPE A (P.C.E.D. 1305)	LF	418	418
		SPECIAL	CONCRETE HEADER FOR BRICK TO ASPHALT TRANSITION	LF	37	37
		SPECIAL	6" RECYCLED CONCRETE AGGREGATE	SY	6529	6529
		SPECIAL	10" RECYCLED CONCRETE AGGREGATE	SY	64	64
		SPECIAL	BRICK PAVEMENT REMOVAL	SY	566	566
		SPECIAL	BRICK PAVEMENT INSTALLATION (REUSE EXISTING BRICK)	SY	422	422
		SPECIAL	BRICK PAVEMENT INSTALLATION (CITY SUPPLIED BRICK)	SY	141	141
		0400- 4- 1	CONCRETE CLASS IV, CULVERT	CY	79	79
		0415- 1- 1	REINF. STEEL - ROADWAY	LB	9805	9805

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SUMMARY OF PAY ITEMS (1)		SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION						

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PROJECT SUMMARY OF PAY ITEMS						
FOR PROJECT: PENT STREET AND GROSSE AVENUE						
CITY OF TARPON SPRINGS						
COUNTY : PINELLAS						
0300 SUMMARY OF SIGNING						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	PENT / GROSSE	QUANTITY TOTAL
		700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1	1
		700-1-50	SINGLE POST SIGN, RELOCATE	AS	17	17
		700-1-60	SINGLE POST SIGN, REMOVE	AS	1	1
		711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	67	67

PROJECT SUMMARY OF PAY ITEMS						
FOR PROJECT: PENT STREET AND GROSSE AVENUE						
CITY OF TARPON SPRINGS						
COUNTY : PINELLAS						
0700 SUMMARY OF UTILITIES						
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	PENT / GROSSE	QUANTITY TOTAL
		1050 31208	UTILITY PIPE, F&I, PVC, 8" PVC (SEWER)	LF	488	488
			UTILITY PIPE, F&I, PVC, 8" PVC (WATER)	LF	3246	3246
		1050 16003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	599	599
		1080 24108	UTILITY FIXTURES, VALVE ASSEMBLY, F&I 8"	EA	35	35
		1644114 08	FIRE HYDRANT, STANDARD, F&I, 2 WAY,FLUSH TYPE, 1 HOSE, 1 PUMPER, 6"	EA	5	5
		SPECIAL	FIRE HYDRANT, REMOVE	LS	1	1
		SPECIAL	UTILITY FIXTURES, TEMP. BLOWOFF ASSEMBLY, F&I 6"	EA	3	3
		SPECIAL	UTILITY FIXTURES, VALVE/METER BOX, F&I 2"	EA	26	26
		SPECIAL	UTILITY FIXTURES, SAMPLING POINT/CHLORINE INJECTION	LS	1	1
		SPECIAL	UTILITY FIXTURES, TAPPING SADDLE/SLEEVE, F&I 8"	EA	1	1
		SPECIAL	UTILITY FIXTURES - MISC	LS	1	1
		SPECIAL	UTILITY FIXTURES - CUT & CAP	EA	1	1
		SPECIAL	UTILITY FIXTURES - TEE, 8" X 6"	EA	21	21
		SPECIAL	UTILITY FIXTURES - TEE, 8" X 8"	EA	2	2
		SPECIAL	UTILITY FIXTURES - CROSS, 8" X 6"	EA	1	1
		SPECIAL	UTILITY FIXTURES - 45 DEGREE BEND	EA	15	15
		SPECIAL	UTILITY FIXTURES - 22.5 DEGREE BEND	EA	12	12
		SPECIAL	UTILITY FIXTURES - 11.25 DEGREE BEND	EA	2	2
		SPECIAL	SEWER MANHOLE, ADJUST RIM	LS	1	1
		SPECIAL	SEWER MANHOLE, TYPE I	EA	3	3



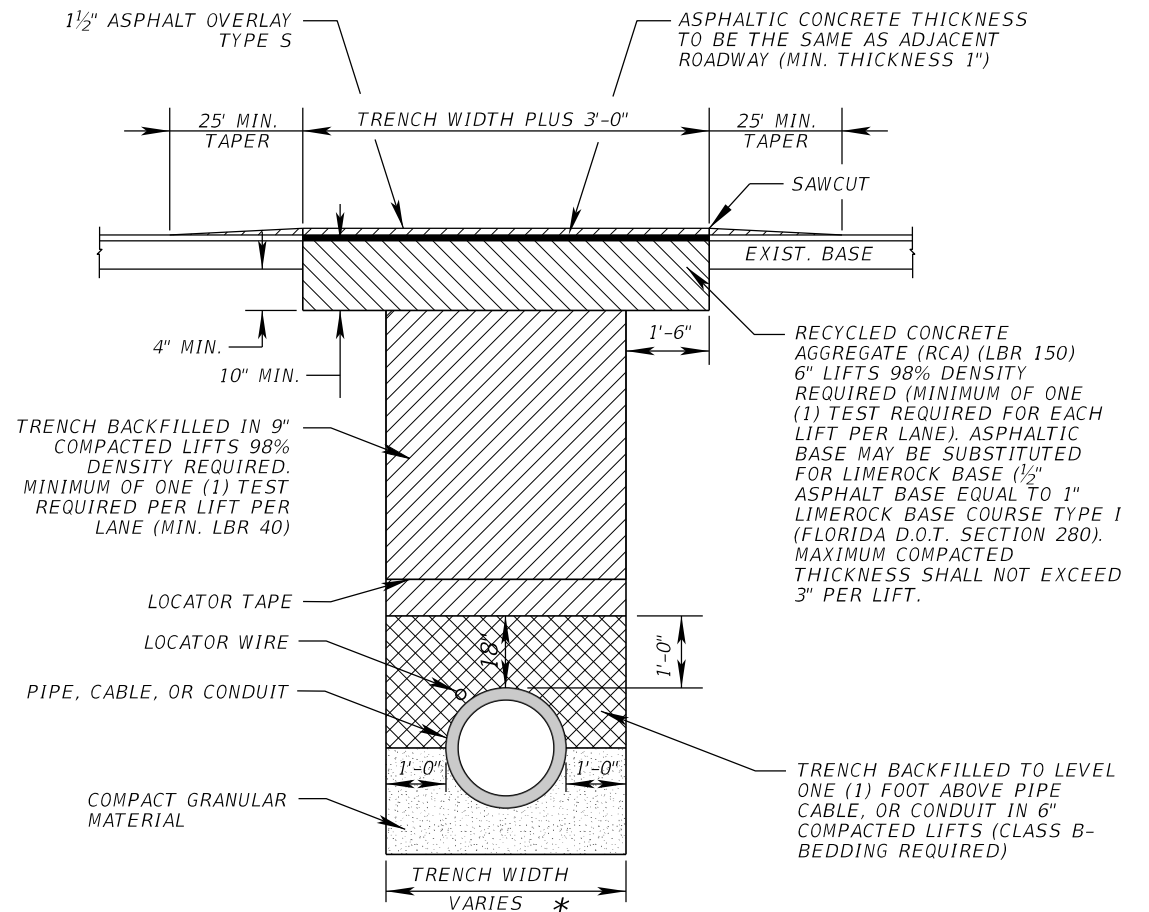
TYPICAL SECTION
RECONSTRUCTION

NTS

GROSSE AVE.
STA. 100+15.20 TO STA. 126+92.76

6" RECYCLED CONCRETE AGGREGATE (RCA) (LBR 150)
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC C) (1.5")

DESIGN SPEED = 25 MPH



* TRENCH WIDTH = PIPE OUTSIDE DIAMETER PLUS 2 FEET

ASPHALT RESTORATION

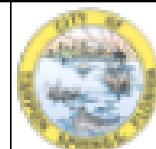
N.T.S.

ROAD AND TRENCH RESTORATION
CITY OF TARPON SPRINGS (INDEX G-6)

NOTES:

- ALL MODIFIED PROCTOR AND DENSITY TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY.
- ALL TESTS SHALL BE COMPLETED AND SHALL MEET MINIMUM DENSITY REQUIREMENTS PRIOR TO ADDITIONAL BACKFILLING.
- RIGHT-OF-WAY PERMIT STIPULATIONS OVERRIDE THIS DETAIL WHERE TRENCH IS LOCATED WITHIN A COUNTY RIGHT-OF-WAY.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230
DATE	DESCRIPTION	DATE	DESCRIPTION	

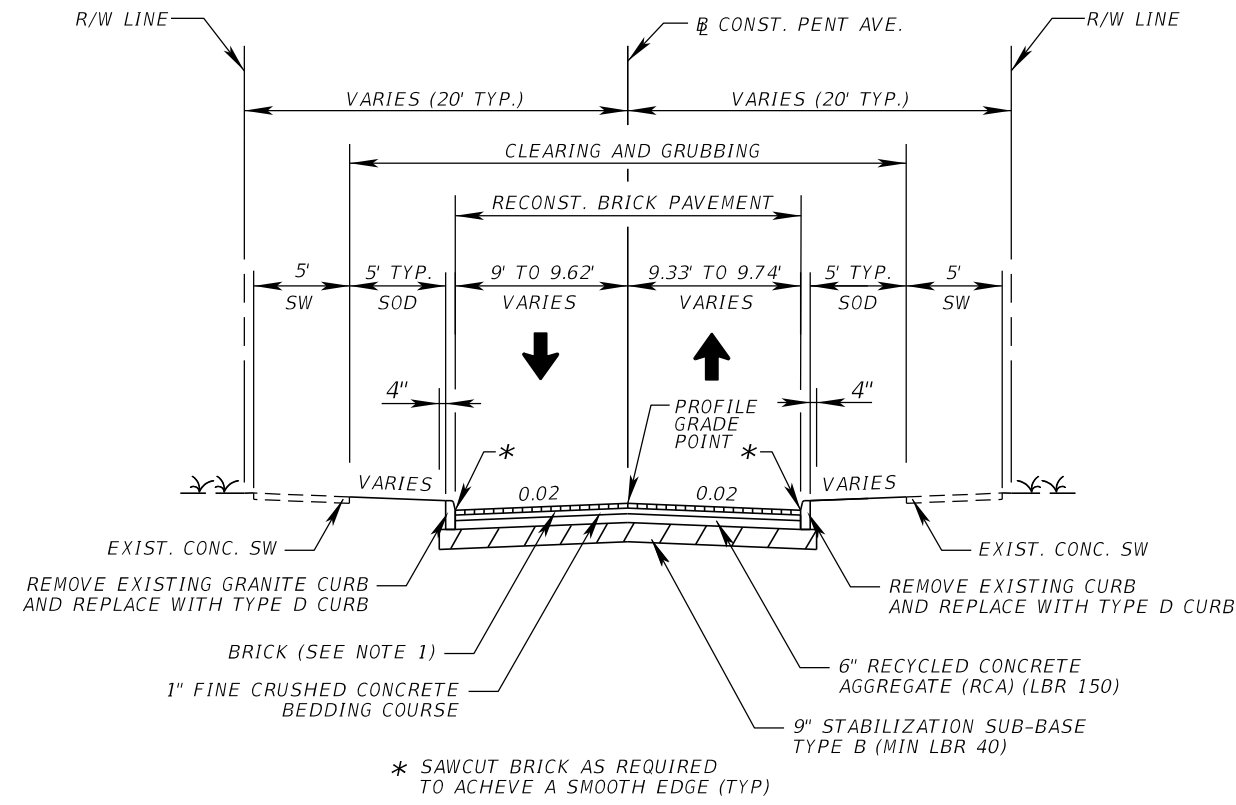


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

TYPICAL SECTION (1)

SHEET
NO.

5

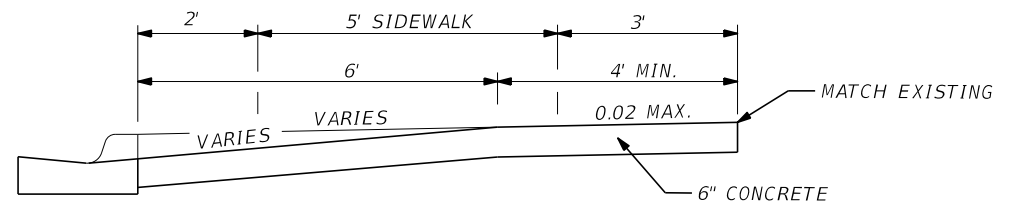


DESIGN SPEED = 25 MPH

RECONSTRUCTION OF BRICK ROADWAY

N.T.S.

PENT AVE.
STA. 40+19.56 TO STA. 42+60.00

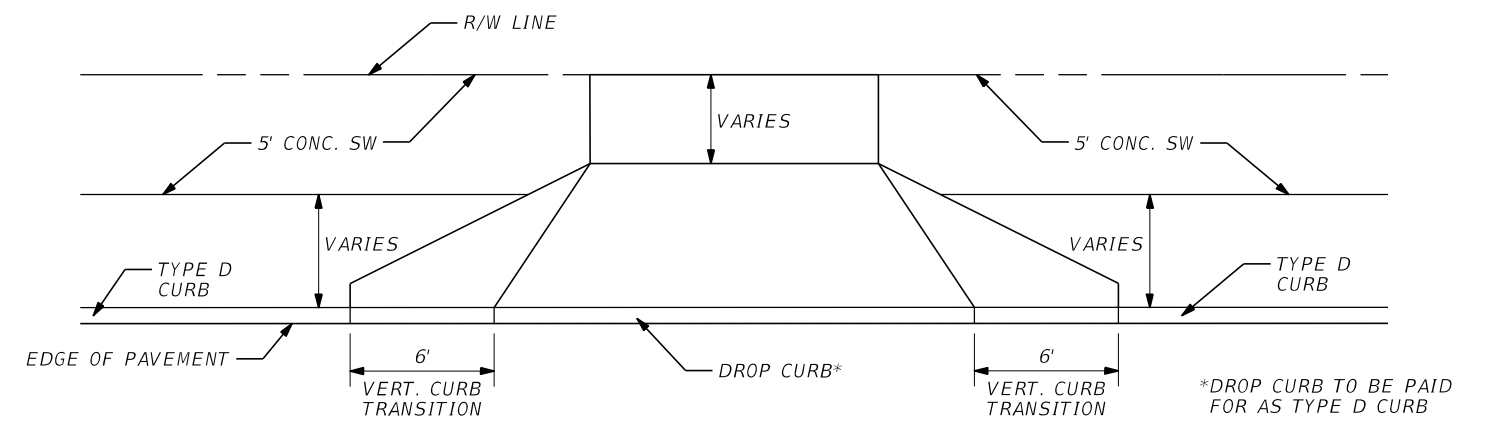


DRIVEWAYS (TYPICAL)

N.T.S.

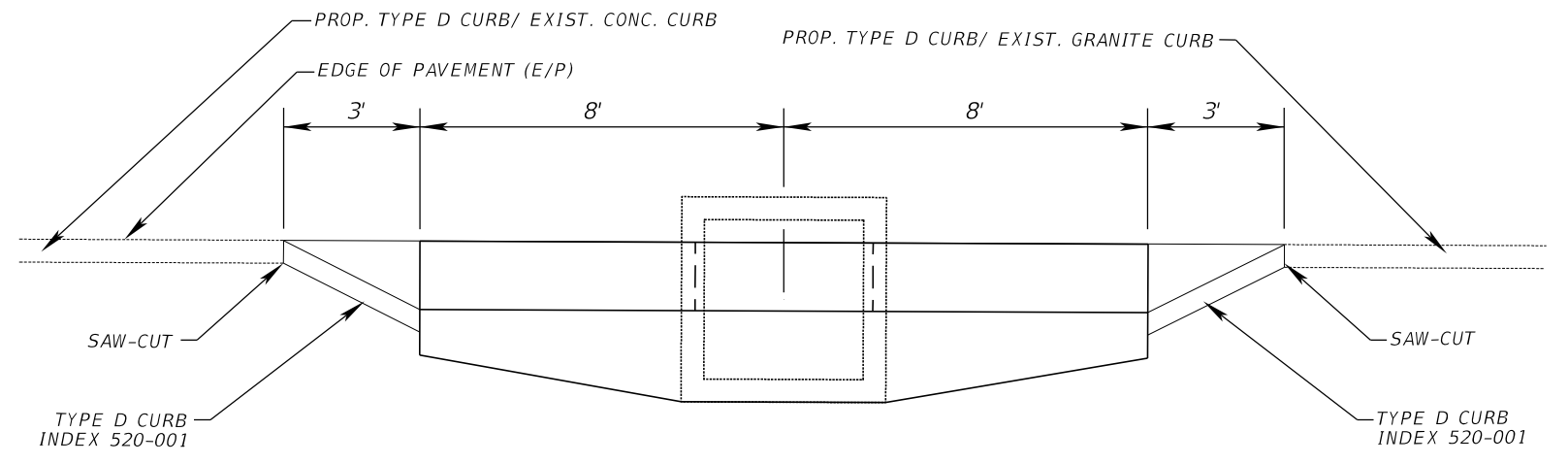
NOTES:

1. ALL OF THE EXISTING CLAY BRICK WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CAREFULLY REMOVED BY HAND AND STACKED ON PALLETS, STRETCH WRAPPED AND DELIVERED TO THE CITY PROPERTY AS DIRECTED BY THE ENGINEER FOR STORAGE DURING PROPOSED ROAD BED PREPARATION. ANY ADDITIONAL BRICK NEEDED TO COMPLETE CONSTRUCTION, THAT EXCEEDS WHAT IS STACKED ON PALLETS, SHALL BE SUPPLIED BY THE CITY. THE CONTRACTOR SHALL TRANSPORT THE ADDITIONAL BRICK FROM CITY PROPERTY TO THE PROJECT SITE.
2. UPON INSTALLATION OF THE BRICKS ON TOP OF THE 1" LAYER OF FINE CRUSHED CONCRETE, THE CONTRACTOR SHALL VIBRATE BRICKS INTO THIS LAYER. SAND SHALL THEN BE SPREAD OVER THE BRICKS AND AGAIN VIBRATED TO CAUSE THE SAND TO FILL THE SPACES BETWEEN THE BRICKS, EXCESS SAND SHALL BE VACUUMED AND REMOVED.
3. UNLESS NOTED ON THE PLANS, ALL OF THE EXISTING GRANITE CURB SHALL BE REMOVED AND REPLACED WITH TYPE D CONCRETE CURB. THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING GRANITE CURB AND SHALL DELIVER IT TO THE CITY PROPERTY ON PALLETS AS DIRECTED BY THE ENGINEER.



DRIVEWAY TURNOUT DETAIL

N.T.S.

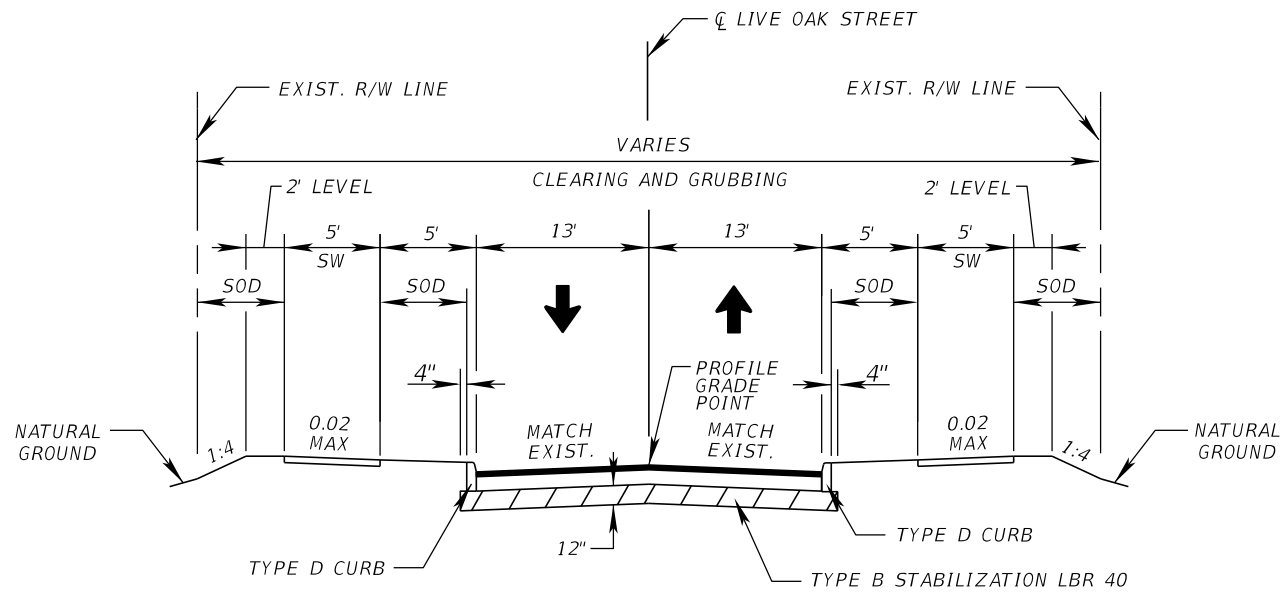


MODIFIED GUTTER TRANSITION FOR TYPE 5 AND 6 INLET TOPS

N.T.S.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	TYPICAL SECTION (2)		SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION					

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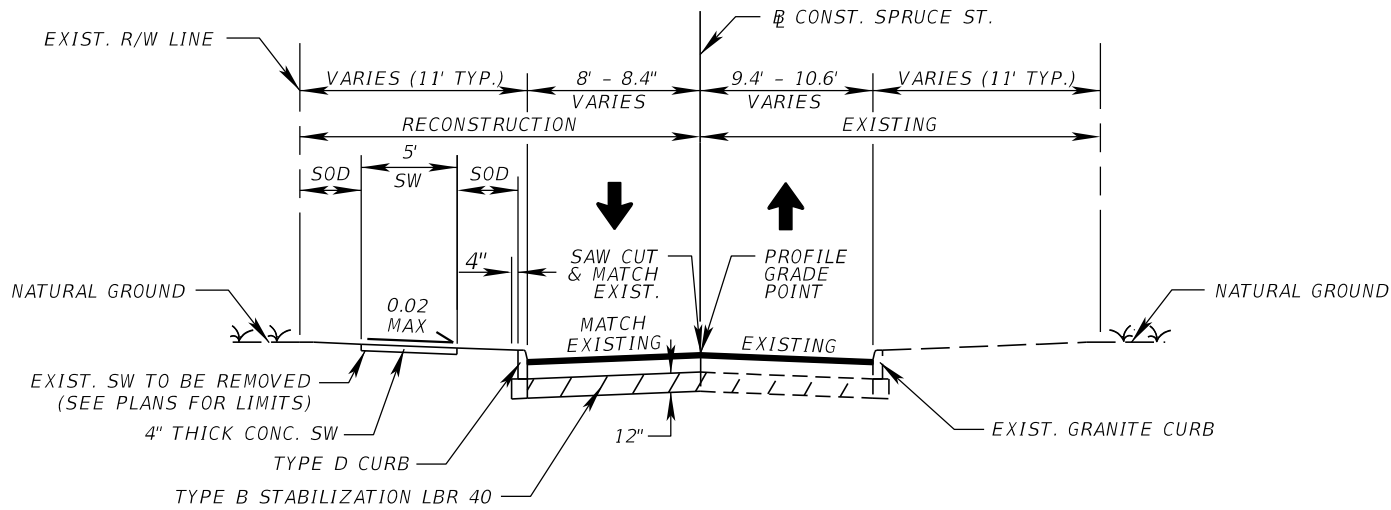


LIVE OAK STREET RECONSTRUCTION

N.T.S.
LIVE OAK STREET
SEE PLAN FOR LIMITS

TYPE "S" ASPHALTIC CONCRETE (3")
10" RECYCLED CONCRETE AGGREGATE (RCA) (LBR 150)

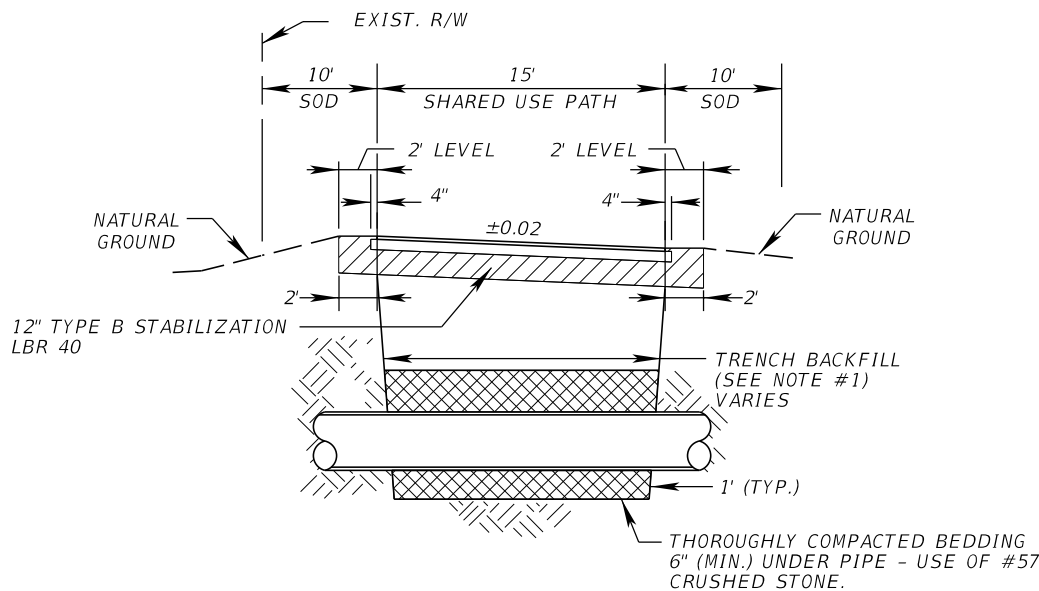
DESIGN SPEED = 35 MPH



SPRUCE STREET RECONSTRUCTION

NTS
SPRUCE ST.
STA. 70+00.00 TO STA. 73+80.00

6" RECYCLED CONCRETE AGGREGATE (RCA) (LBR 150) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5")



FRED MARQUIS PINELLAS TRAIL

N.T.S.
TYPICAL SECTION

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1½")

NOTES (FRED MARQUIS PINELLAS TRAIL):

1. BACKFILL FOR TRENCH SHALL BE PLACED IN 6" COMPACTED LAYER TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY.
2. BASE MATERIAL SHALL BE CRUSHED CONCRETE (MIN. LBR 150) AND SHALL BE PLACED IN 6" COMPACTED LAYERS TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180 (MODIFIED) (TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY).
3. ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE SAW-CUT AND ALL SURFACES TACK COATED.
4. ASPHALTIC SURFACES SHALL BE CONSISTENT WITH EXISTING GRADE.
5. OVERLAY OF CONSTRUCTION SCARS TO PAVEMENT AND TRENCH SHALL BE REQUIRED AS DIRECTED BY THE COUNTY ENGINEER.
6. ALL MATERIAL, WORK AND TESTING SHALL MEET PINELLAS COUNTY STANDARD SPECIFICATIONS.
7. CONTRACTOR SHALL MILL AND RESURFACE (MILL 1½", RESURFACE 1½" TYPE SP STRUCTURAL COURSE (TRAFFIC B) A MINIMUM OF 15 FEET ON BOTH SIDES OF DISTURBED ASPHALT ON TRAIL.
8. CONTRACTOR SHALL RESTORE PAVEMENT TO MATCH THE GRADES THAT EXISTED PRIOR TO CONSTRUCTION. ANY ADDITIONAL SURVEY ESSAYS TO ENSURE THAT THIS REQUIREMENT IS MET SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL COORDINATE WITH PINELLAS COUNTY REGARDING ALL TRAIL IMPACTS IN ACCORDANCE WITH THE RIGHT-OF-WAY USE PERMIT.

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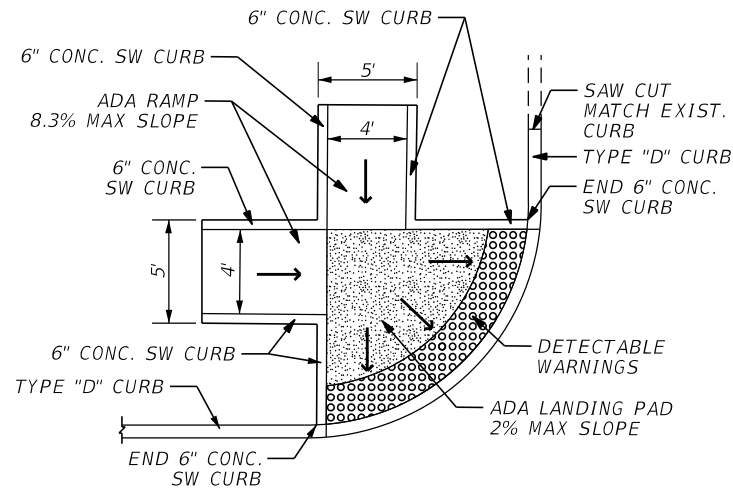


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

TYPICAL SECTION (3)

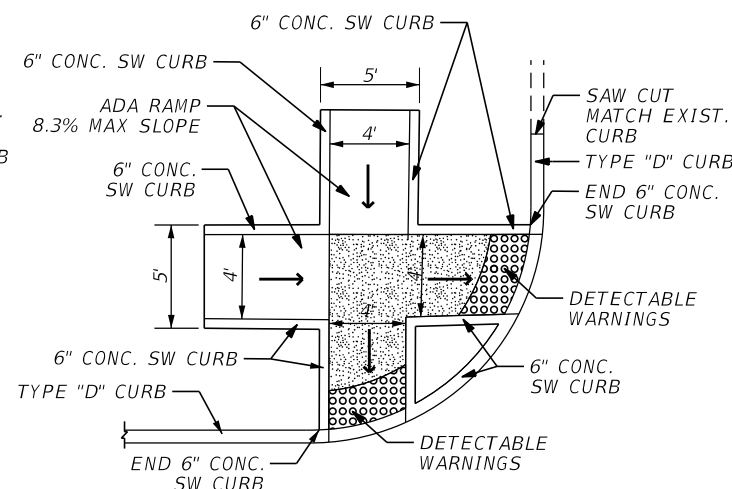
SHEET
NO.

7



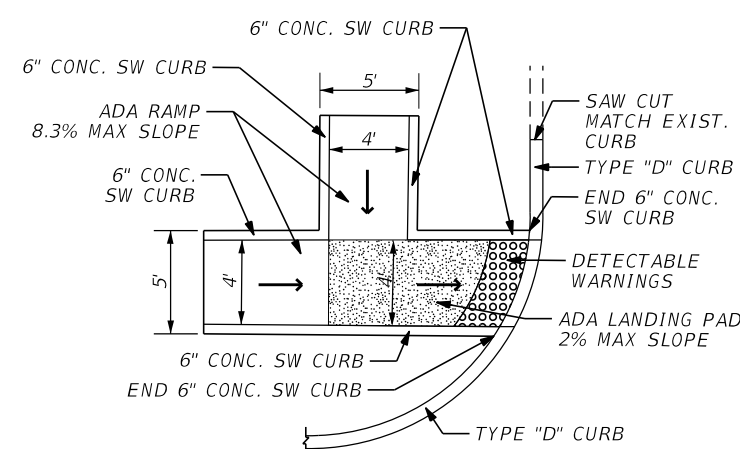
TYPICAL CURB RAMP DETAIL (1)

N.T.S.



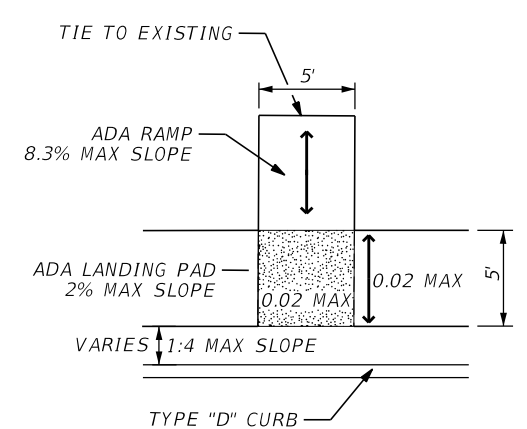
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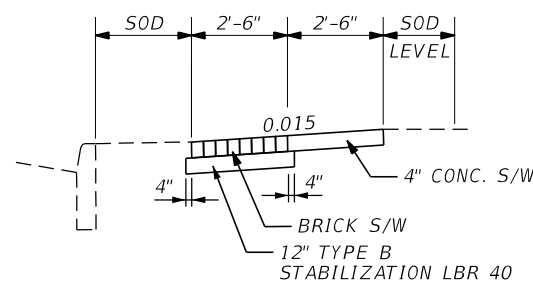
TYPICAL CURB RAMP DETAIL (3)

N.T.S.



TYPICAL SW CONNECTION DETAIL (1)

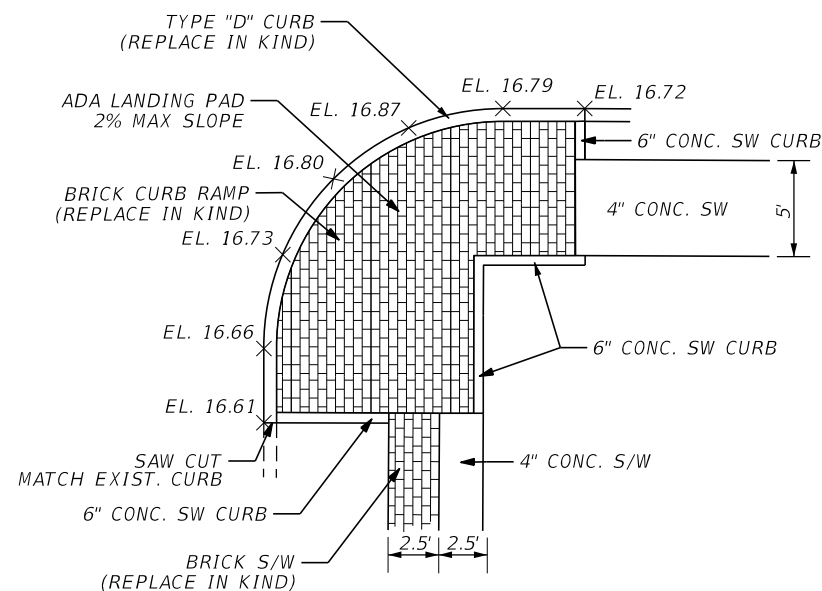
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SIDEWALK DETAIL

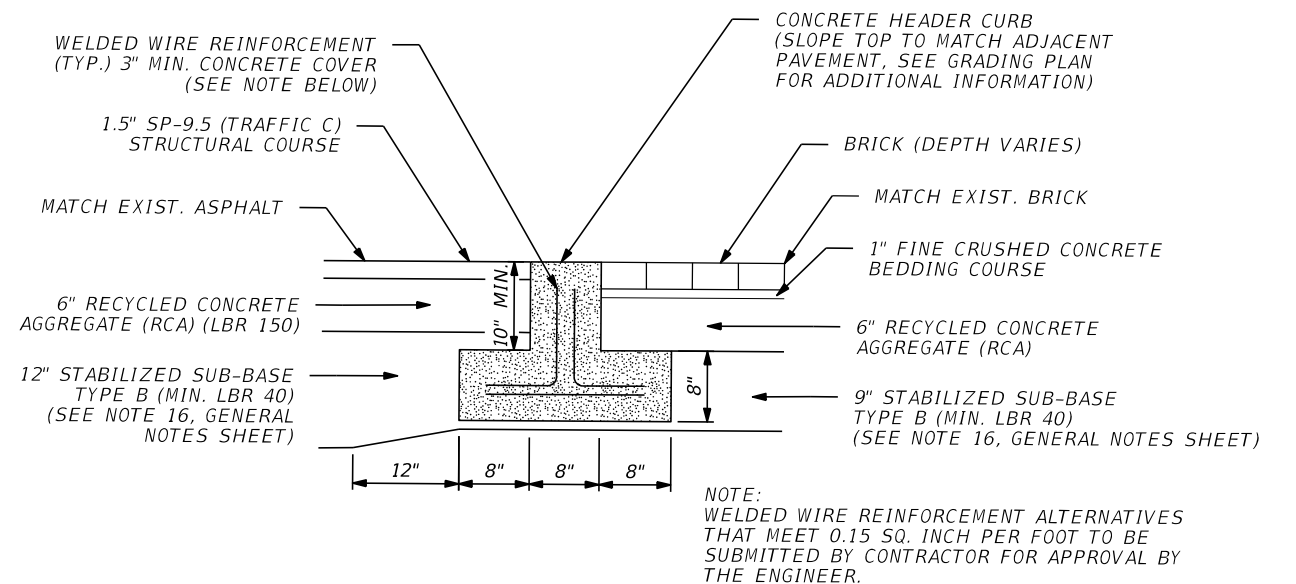
(REPLACE IN KIND)

TARPON AVENUE
STA. 10+24.63 TO STA. 11+76.00
N.T.S.



**TARPON AVENUE / GROSSE AVE.
CURB RAMP DETAIL**

1" = 10'



**TYPICAL DETAIL TRANSITION FROM ASPHALT TO BRICK
AND CONCRETE HEADER DETAIL**

(AT CYPRESS STREET AND PENT STREET)
(SEE INTERSECTION DETAILS (1) & (2) FOR LOCATIONS
N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230			

 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	TYPICAL SECTION DETAILS	SHEET NO. 8

Q T Y	STR. NO.	BASELINE OF CONST.	STATION	SIDE	DESCRIPTION	BARRELS	REINFORCED CONCRETE PIPE (CLASS-II)										CURB INLETS (EA)					MANHOLES (EA)				DITCH BOTTOM INLETS (EA)			MES CROSS DRAIN			CLASS IV CONC.	REINF. STEEL	RUBBLE RIPRAP DITCH LINING	BANK & SHORE	REMARKS
							18"	24"	30"	36"	42"	48"	54"	60"	43"x68"	58"x91"	P-5 <10'	J-5 <10'	J-5 >10'	P-6 <10'	J-6 <10'	P-8 <10'	P-8 >10'	J-8 <10'	J-8 >10'	C <10'	D <10'	H <10'	8"	24"	48"					
																										(1:4)			(CY)	(LBS)	(TN)	(TN)				
P	S-1	TARPON	11+62	RT	Inlet, Pipe	1		29																												
F	S-2	TARPON	11+62	LT	Inlet, Pipe	1		5																												
P	S-3	TARPON	11+62	LT	Manhole, Pipe	1			150												1															
F	S-4	GROSSE	100+24	RT	Manhole, Pipe	1			323													1														
P	S-5	ORANGE	19+69	RT	Inlet, Pipe	1		39																												
F	S-6	ORANGE	20+30	RT	Inlet, Pipe	1		18																												
P	S-6A	GROSSE	103+49	RT	Manhole, Pipe	1				218												1													3.5' X4.0'	
F	S-6B	ORANGE	20+30	LT	Inlet, Pipe	1	18																													
P	S-7	GROSSE	105+60	LT	Inlet, Pipe	1	19																													
F	S-8	GROSSE	105+70	RT	Inlet, Pipe	1					277																								3.5' X5.0'	
P	S-9	GROSSE	108+50	LT	Inlet, Pipe	1		17																												
F	S-10	GROSSE	108+50	RT	Inlet, Pipe	1					132																								3.5' X5.0'	
P	S-11	GROSSE	109+86	LT	Inlet, Pipe	1	17																													
F	S-12	GROSSE	109+86	RT	Inlet, Pipe	1					71																								3.5' X5.0'	
P	S-13	GROSSE	110+60	LT	Inlet, Pipe	1		18																												
F	S-14	GROSSE	110+60	RT	Inlet, Pipe	1						48																							7' DIA.	
P	S-15	GROSSE	110+92	RT	MES	1																													W/RUBBLE RIP-RAP	
F	S-16	CYPRESS	32+42	RT	Inlet, Pipe	1		18																												
P	S-17	CYPRESS	32+42	LT	Inlet, Pipe	1		39																												
F	S-18	CYPRESS	32+42	LT	MES	1																													W/RUBBLE RIP-RAP	
P	S-19	GROSSE	111+37	RT	DBI, Pipe	1																													4-GRATE; CS-SEE DETAIL	
F	S-20	GROSSE	111+92	LT	Manhole, Pipe	1						164																							6.0' X 8.0'	
P	S-21	GROSSE	113+16	RT	Inlet, Pipe	1	39																													
F	S-22	PENT	41+97	RT	DBI, Pipe	1		52																											MOD-SEE DETAIL	
P	S-23	PENT	41+50	RT	Inlet, Pipe	1		18																												
F	S-24	PENT	41+50	LT	Inlet, Pipe	1					136																									
P	S-25	GROSSE	113+58	RT	Manhole, Pipe	1					17																								3.5' X 4.0'	
F	S-26	GROSSE	113+58	LT	Inlet, Pipe	1																													4.0' X 7.0'	
P	S-27	GROSSE	114+70	RT	Inlet, Pipe	1	17																													
F	S-28	GROSSE	114+70	LT	Inlet, Pipe	1																													3.5' X 7.0'	
P	S-28A	GROSSE	115+05	LT	Partial Inlet	1																													INCLUDES CONNECTING 10" PVC PIPE TO EXIST. INLET	
F	S-29	GROSSE	117+05	RT	Manhole, Pipe	1																													INCLUDES 51 LF OF 10" PVC PIPE & REQ'D FITTINGS	
P	S-29A	PINE	50+26	RT	Inlet, Pipe	1	37																												3.5' X 7.0'	
F	S-29B	GROSSE	117+05	RT	Inlet, Pipe	1		8																												
P	S-30	GROSSE	121+70	RT	DBI, Pipe	1	16																												SEE DETAIL	
F	S-31	GROSSE	121+70	LT	Manhole, Pipe	1																													3.5' X 7.0'	
P	S-32	SPRUCE	73+74	RT	DBI, Pipe	1						52																							4-GRATE; CS-SEE DETAIL	
F	S-33	SPRUCE	73+74	LT	Manhole, Pipe	1							85																						6.0' X 6.0'	
P	S-34	SPRUCE	72+85	RT	Inlet, Pipe	1		18																											MOD-SEE DETAIL	
F	S-35	SPRUCE	72+85	LT	Inlet, Pipe	1																													3.5' X 7.5'	
P	S-36	GROSSE	123+50	LT	Manhole, Pipe	1																													CONFLICT STRUCTURE; 10.0' X 16.0'; SEE DETAIL	
F	S-37	GROSSE	127+48	RT	Manhole, Pipe	1		36																											CONNECT EXIST. 24" RCP	
P	S-38	GROSSE	127+46	LT	Manhole, Box Culvert	1																													4.0' X 11.0'; SEE DETAILS	
F	S-39	ORANGE	26+25	LT	MES	1																													SEE POND DETAILS (1)	
SHEET TOTALS - PLAN QUANTITY							163	315	473	371	480	185	164	981	381	392	4	2	1	15	3	3	1	3	4	1	1	2	1	1	1	79	9805	6.9	52.3	
SHEET TOTALS - FINAL QUANTITY																																				

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230



CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

SUMMARY OF
DRAINAGE STRUCTURES

9

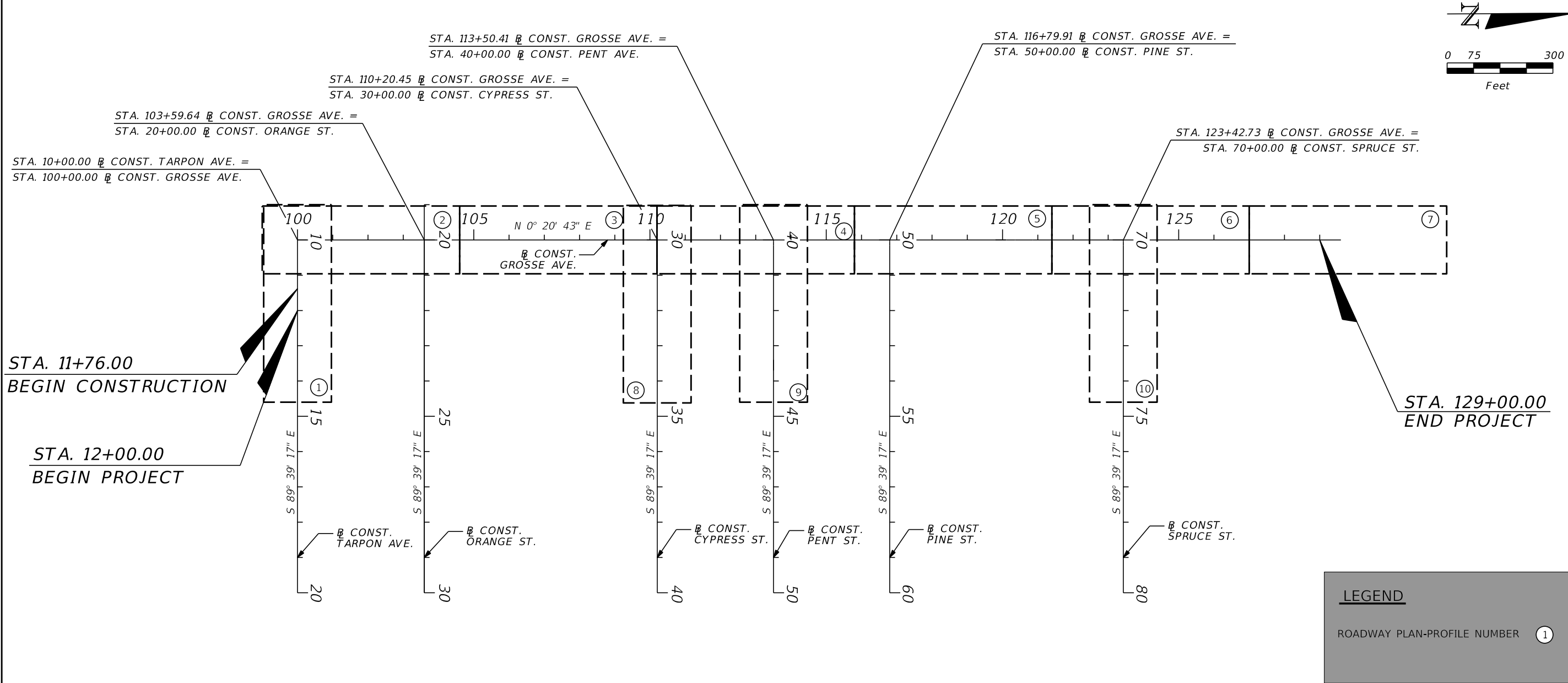
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REFERENCE POINTS

REFERENCE POINT #102:
SET RIVET & DISK
STA. 36+40.33, 16.19' Rt.
(CONST. CYPRESS ST.)
N = 1387620.08
E = 414291.75
EL = 21.47

REFERENCE POINT #202:
SET PK NAIL & DISK
STA. 123+53.20, 13.32' Rt.
(CONST. GROSSE AVE.)
N = 1388972.77
E = 413672.88
EL = 12.63

REFERENCE POINT #203:
SET PK NAIL & DISK
STA. 117+16.33, 9.38' Lt.
(CONST. GROSSE AVE.)
N = 1388336.05
E = 413646.34
EL = 9.27

REFERENCE POINT #204:
SET PK NAIL & DISK
STA. 113+57.95, 6.90' Lt.
(CONST. GROSSE AVE.)
N = 1387977.66
E = 413646.67
EL = 8.89

REFERENCE POINT #205:
SET PK NAIL & DISK
STA. 110+29.90, 6.51' Lt.
(CONST. GROSSE AVE.)
N = 1387649.62
E = 413645.08
EL = 9.74

REFERENCE POINT #206:
SET PK NAIL & DISK
STA. 103+68.97, 8.42' Rt.
(CONST. GROSSE AVE.)
N = 1386988.60
E = 413545.02
EL = 10.70

REFERENCE POINT #207:
SET PK NAIL & DISK
STA. 100+19.65, 23.10' Lt.
(CONST. GROSSE AVE.)
N = 1386639.48
E = 413622.40
EL = 17.52

REFERENCE POINT #209:
SET PK NAIL & DISK
STA. 46+69.21, 10.74' Rt.
(CONST. PINE ST.)
N = 1387955.31
E = 414322.65
EL = 16.72

REFERENCE POINT #305:
SET RIVET & DISK
STA. 76+81.10, 16.46' Lt.
(CONST. SPRUCE ST.)
N = 1388974.74
E = 414340.68
EL = 9.75

REFERENCE POINT #311:
SET CAPPED IRON ROD 1/2" (GFY)
STA. 124+71.96, 47.49' Lt.
(CONST. SPRUCE ST.)
N = 1389091.90
E = 413612.79
EL = 8.43

REFERENCE POINT #312:
SET CAPPED IRON ROD 1/2" (GFY)
STA. 121+21.51, 88.96' Lt.
(CONST. SPRUCE ST.)
N = 1388741.70
E = 413569.21
EL = 10.17

REFERENCE POINT #313:
SET RIVET & DISK
STA. 118+23.04, 111.28' Lt.
(CONST. SPRUCE ST.)
N = 1388443.37
E = 413545.10
EL = 10.84

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	PROJECT LAYOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				10

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

CONSTRUCTION AND SURVEY NOTES

1. ALL ELEVATIONS HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. UNLESS OTHERWISE NOTED, ALL STATION AND OFFSETS REFERENCE MULTIPLE $\text{R}(S)$ OF CONSTRUCTION.
3. UNLESS OTHERWISE NOTED, GRASS AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SODDED, NOT SEEDED OR MULCHED.
4. BORROW MATERIAL REQUIRED FOR CONSTRUCTION OF THE PROJECT SHALL BE PROVIDED BY THE CONTRACTOR FROM BORROW AREAS PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT A TRUCK ROUTE PLAN TO BE REVIEWED AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION.
5. REFERENCES IN THE PLANS AND NOTES TO "INDEX XXX" REFER TO THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (DATED 2018-2019) BOOKLET AND CONSTRUCTION SHALL COMPLY WITH THESE REQUIREMENTS AND DETAILS.
6. NO SURFACING SHALL BE APPLIED TO ANY MANHOLE COVERS, FRAMES, VALVE BOXES, GAS DROPS, ETC. ALL EXISTING AND PROPOSED UTILITY AND STORM SEWER STRUCTURES WITH TOPS THAT WOULD BE EXPOSED WITHIN ANY PAVED AREA SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE FLUSH WITH THE PAVEMENT SURFACE.
7. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED.
8. LOCAL ACCESS SHALL BE MAINTAINED FOR ALL PHASES OF CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO MEET THE REQUIREMENTS OF THE "TRENCH SAFETY ACT" AND TO PROTECT ADJACENT STRUCTURES AND/OR UTILITIES, OR TO MINIMIZE TRENCH WIDTH. CONTRACTOR SHALL PROVIDE NECESSARY SHORING AS TO NOT AFFECT TRAFFIC ON AFFECTED LOCAL STREETS. THE COST FOR ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED WITHIN THE CONTRACT PRICE FOR MOBILIZATION.
10. ALL PROPOSED STRUCTURES AND STORMWATER FACILITIES SHALL BE FREE OF ANY SEDIMENT AND/OR MATERIALS PRIOR TO ACCEPTANCE OF CONTRACT BY THE CITY. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.
11. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING AS REQUIRED, INCLUDING ASPHALT PAVEMENT CUTTING.
12. THE CONTRACTOR SHALL FIELD VERIFY ANY AND ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF RECORD PROMPTLY OF ANY DISCREPANCIES.
13. THE CONSTRUCTION LENGTHS INDICATED IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
14. THE CONTRACTOR IS RESPONSIBLE TO PRACTICE AND ENFORCE ALL LOCAL AND STATE JOB AND CONSTRUCTION SAFETY LAWS AND REGULATIONS, ESPECIALLY OSHA, WITH REGARDS TO CONSTRUCTION PRACTICES AND PROCEDURES.
15. AT THE CONTRACTOR'S OPTION, AND AT NO ADDITIONAL COST TO THE CITY, THE 10" OF RECYCLED CONC. AGGREGATE (CRUSHED CONC.) MAY BE USED IN LIEU OF 9" STABILIZATION SUB-BASE TYPE B (LBR 40) UNDER THE BRICK PAVEMENT OR ASPHALT PAVEMENT.
16. TREE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF TARPON SPRINGS INDEX G-02.
17. PAY ITEM FOOTNOTE:

0110 1 1: INCLUDES ALL LABOR AND MATERIALS FOR TREE PROTECTION IN ACCORDANCE WITH CITY OF TARPON SPRINGS INDEX G-02.
18. ALL STORM AND SANITARY SEWER MANHOLE COVERS ARE TO CONFORM TO THE CITY OF TARPON SPRINGS STANDARD DETAILS D-09 & SS-13.
19. PROJECT ABBREVIATIONS INCLUDE:

BEGIN SEDIMENT BARRIER (BEGIN SB)

END SEDIMENT BARRIER (END SB)

RECONSTRUCTION (RECONST)

TO BE REMOVED (TBR)

TO REMAIN (TR)

TO BE ADJUSTED (TBA)

CITY OF TARPON SPRINGS (CTS)

UTILITY NOTES

1. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES.
2. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME THESE DRAWINGS WERE PREPARED, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE INDICATED LOCATION OF UNDERGROUND UTILITIES, STRUCTURES, AND FACILITIES IS APPROXIMATE, AND REFLECTS THE BEST INFORMATION AVAILABLE FROM SURVEYS AND RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT SIZE, LOCATION, DEPTH, HEIGHT, ELEVATION, DIMENSION, AND EXTENT OF ALL UNDERGROUND AND OVERHEAD FACILITIES AND OTHER FEATURES AFFECTING THEIR WORK PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY THAT MAY AFFECT SUCH FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
3. THOSE EXISTING UTILITIES WHICH ARE TO REMAIN IN PLACE SHALL BE CAREFULLY PROTECTED FROM DAMAGE DUE TO PROPOSED CONSTRUCTION OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES CAUSED BY HIS OPERATIONS. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS (HAND DIGGING, BRACING, ETC.) WHICH WOULD MINIMIZE POTENTIAL DAMAGE TO EXISTING UTILITY FACILITIES IN CLOSE PROXIMITY TO THE PROPOSED ROADWAY WORK.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION. CALL "SUNSHINE ONE CALL" AT 1-800-432-4770.
5. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD'S OFFICE IMMEDIATELY ON ANY CONFLICTS BETWEEN WHAT IS HEREIN AND ACTUAL CONDITIONS DISCOVERED DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THE DRAWINGS.
6. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY. SPECIAL PRECAUTIONS MAY BE REQUIRED IN THE VICINITY OF POWER LINES AND OTHER UTILITIES.
7. VISIBLE UTILITIES ARE SHOWN HEREIN. ADDITIONAL UTILITIES MAY EXIST.
8. THE CONTRACTOR IS RESPONSIBLE FOR PARTIALLY REMOVING EXISTING VALVE BOXES/CONCRETE COLLARS THAT ARE ASSOCIATED WITH SECTIONS OF THE ABANDONED 6-INCH POTABLE WATER MAIN.

UTILITY OWNERS

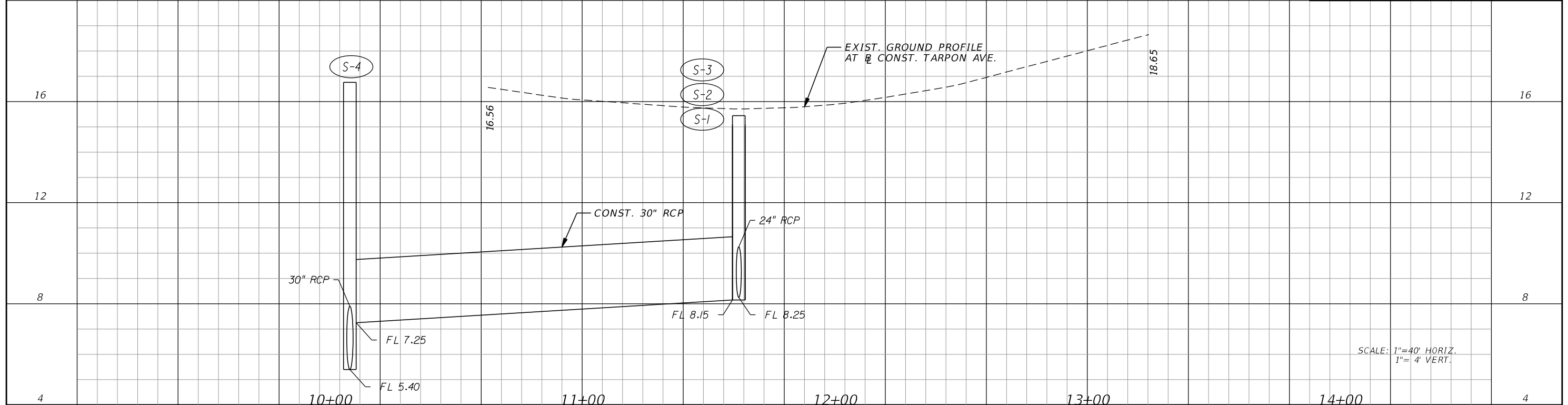
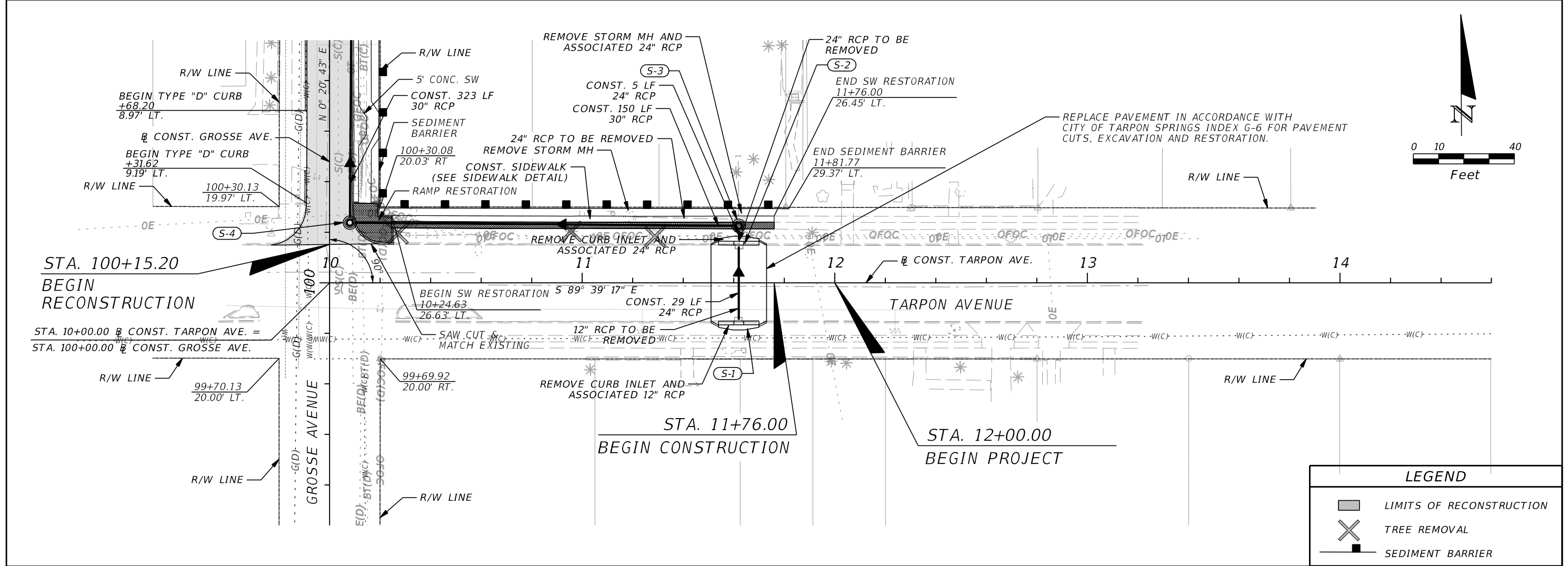
CLEARWATER GAS JORGE HERNANDEZ (727) 562-4900 EXT: 7423 400 N MYRTLE AVE CLEARWATER, FL 33755	DUKE ENERGY - DISTRIBUTION SHARON DEAR (407) 905-3321 452 E. CROWNE POINT RD WINTER GARDEN, FL 34787	FRONTIER COMMUNICATIONS KRAIVUTH CHOYEKRAJANG (727) 562-1124 1280 CLEVELAND ST. CLEARWATER, FL 33755	SPECTRUM OSWALDO PEREZ (727) 329-2817 700 CARILLON PKWY, STE. 6 ST PETERSBURG, FL 33716
CITY OF TARPON SPRINGS HOWARD MATTHEWS (727) 946-2115 324 E. PINE ST. TARPON SPRINGS, FL 34689	KNOLOGY JAY YOUNG (727) 239-0156 3001 GANDY BLVD N PINELLAS PARK, FL 33782	DUKE ENERGY - TRANSMISSION JENNY WILLIAMS (813) 909-1210 20525 AMBERFIELD DR., STE. 201 LAND O' LAKES, FL 34638	

EROSION & SEDIMENT CONTROL NOTES

1. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO WETLANDS AND DETENTION AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
2. PERMANENT VEGETATION SHALL BE BY SODDING ALL EXPOSED AREAS WITHIN THREE DAYS AFTER FINAL GRADING.
3. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO STATE WATER QUALITY STANDARDS PRIOR TO DISCHARGE. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, OR CONFINED BY ANAPPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
4. THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL BARED SOIL STABILIZED. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.
5. WATER REMAINING IN THE EXCAVATIONS AFTER CONSTRUCTION MUST BE KEPT CONFINED WITHIN THE EXCAVATIONS PRIOR TO DISCHARGE (IF APPLICABLE), UNTIL THE TURBIDITY LEVEL OF THE POND MEETS STATE WATER QUALITY STANDARDS.
6. NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN THE EXCAVATIONS, IF CLAY OR SANDY CLAYS ARE LEFT EXPOSED AT THE PERMITTED DEPTH, THE CONTRACTOR SHALL EXCAVATE BELOW THE SWALES AND/OR POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF 12 INCHES AND BACKFILL WITH CLEAN SANDS.
7. THE REQUIREMENTS LISTED ABOVE SHALL BE CONSIDERED MINIMUM REQUIREMENTS AND THE CONTRACTOR SHALL USE WHATEVER METHODS HE DEEMS NECESSARY TO PREVENT EROSION AND SILTATION AS MAY BE REQUIRED FOR THE PROJECT.

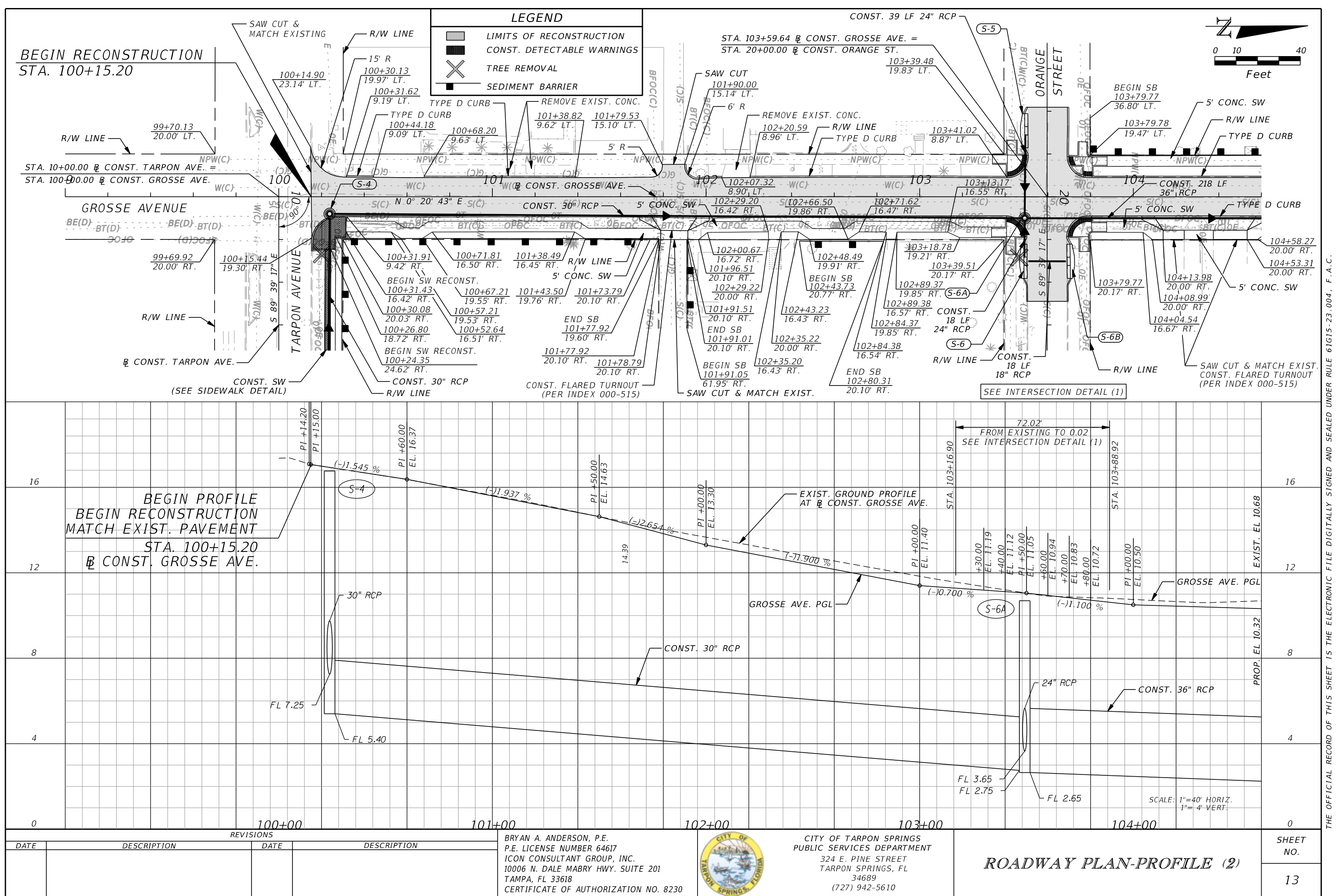
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					11

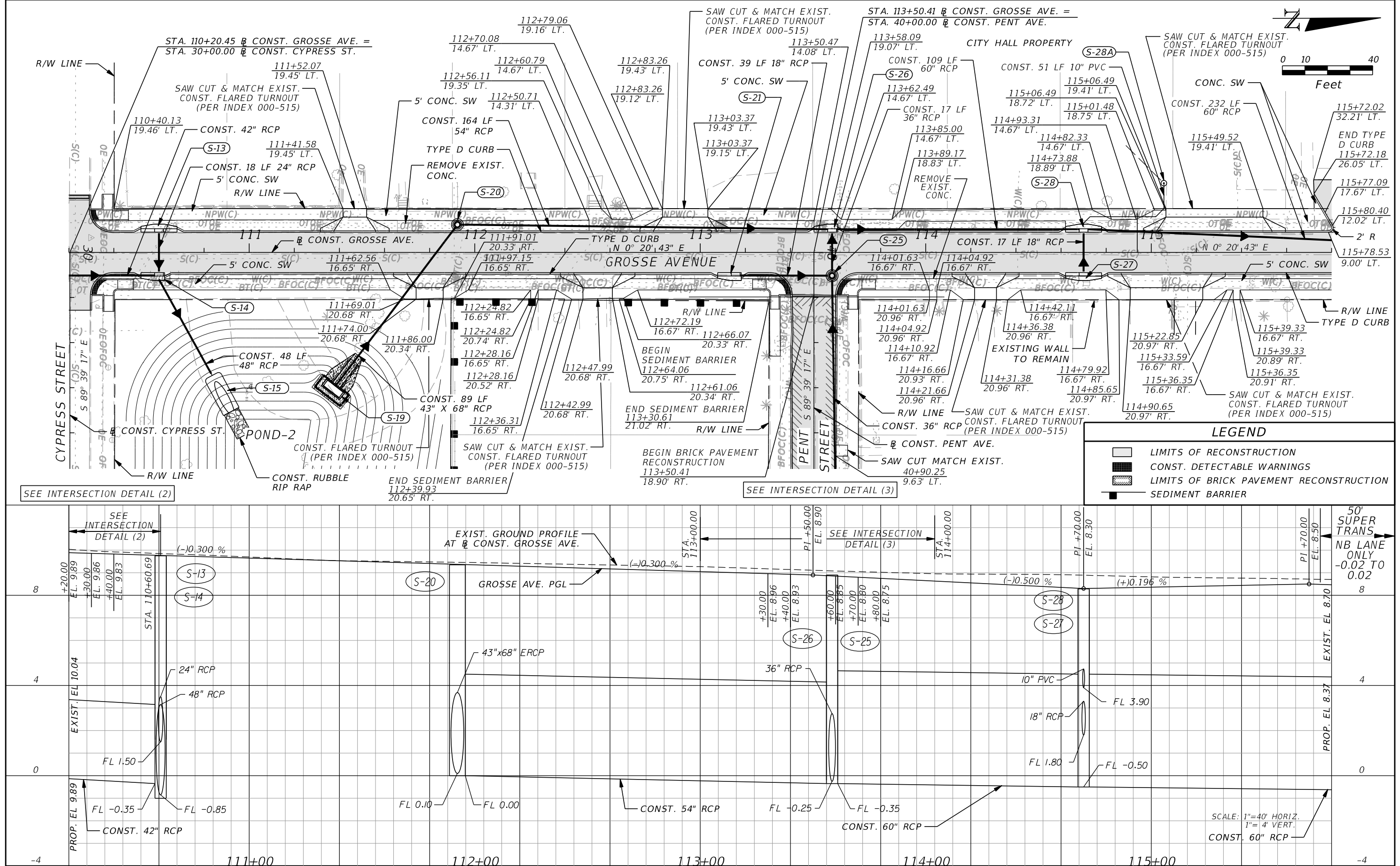
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REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	ROADWAY PLAN-PROFILE (1)		SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION					

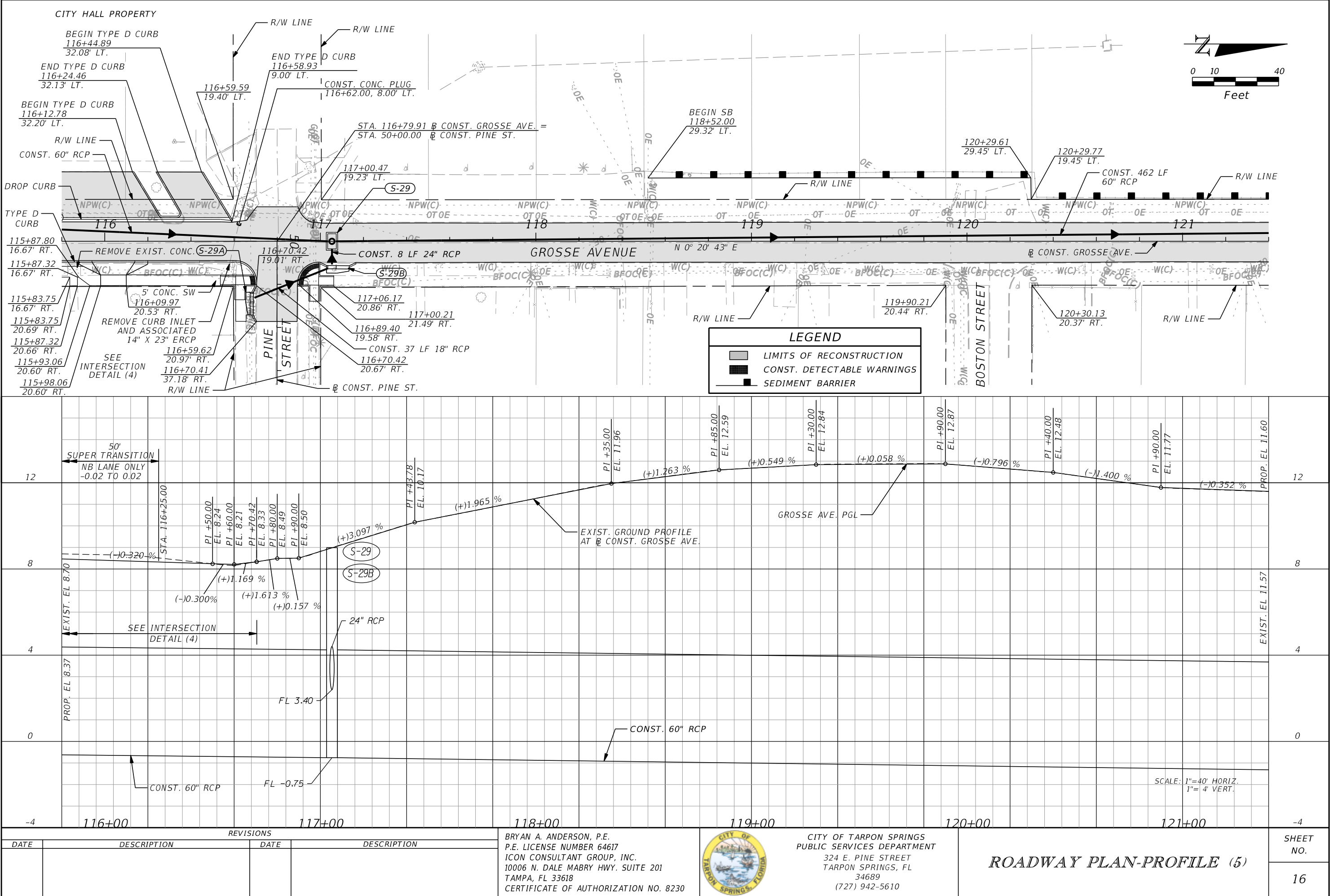
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REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	ROADWAY PLAN-PROFILE (4)		SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION						

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230

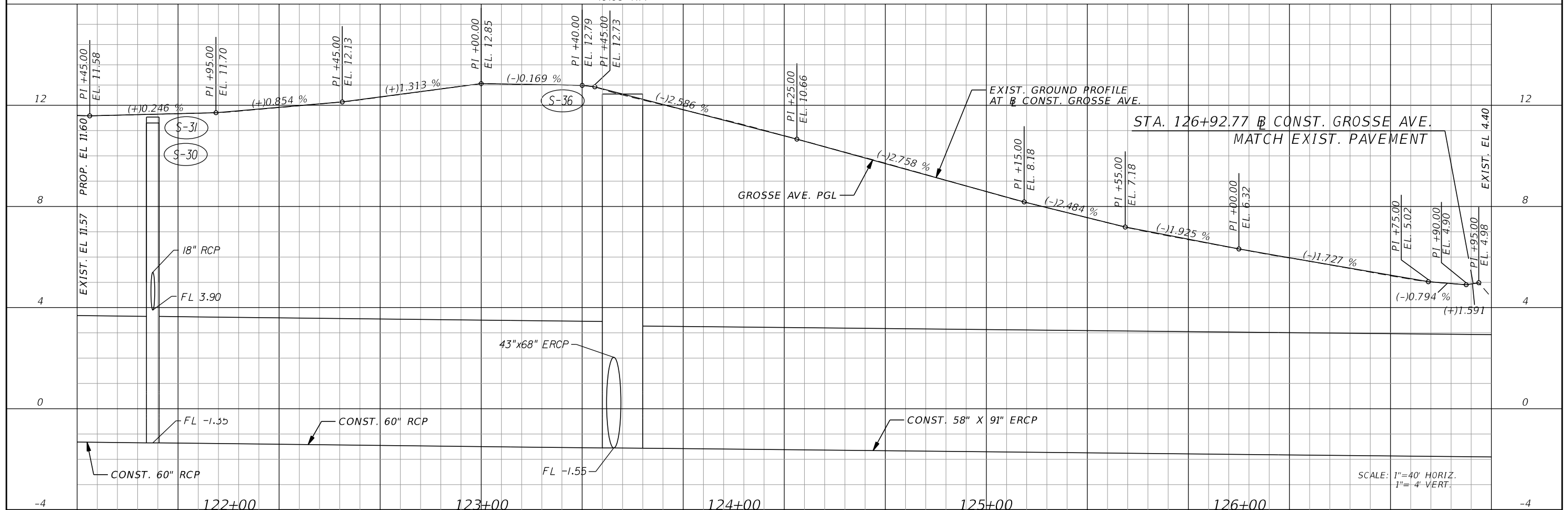
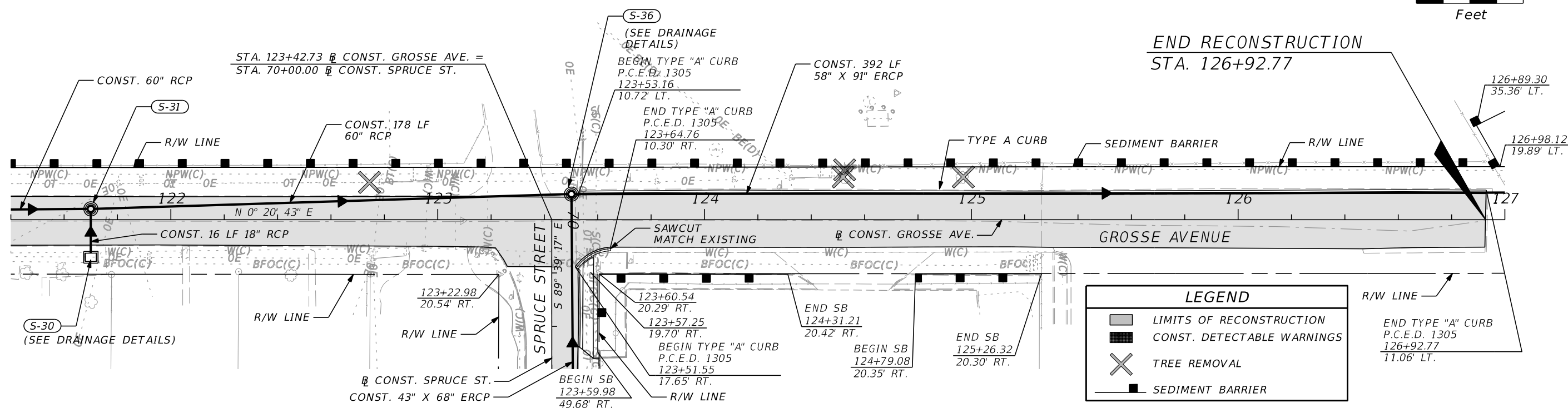
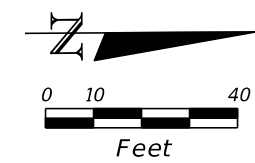


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

ROADWAY PLAN-PROFILE (5)

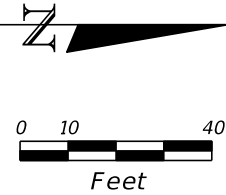
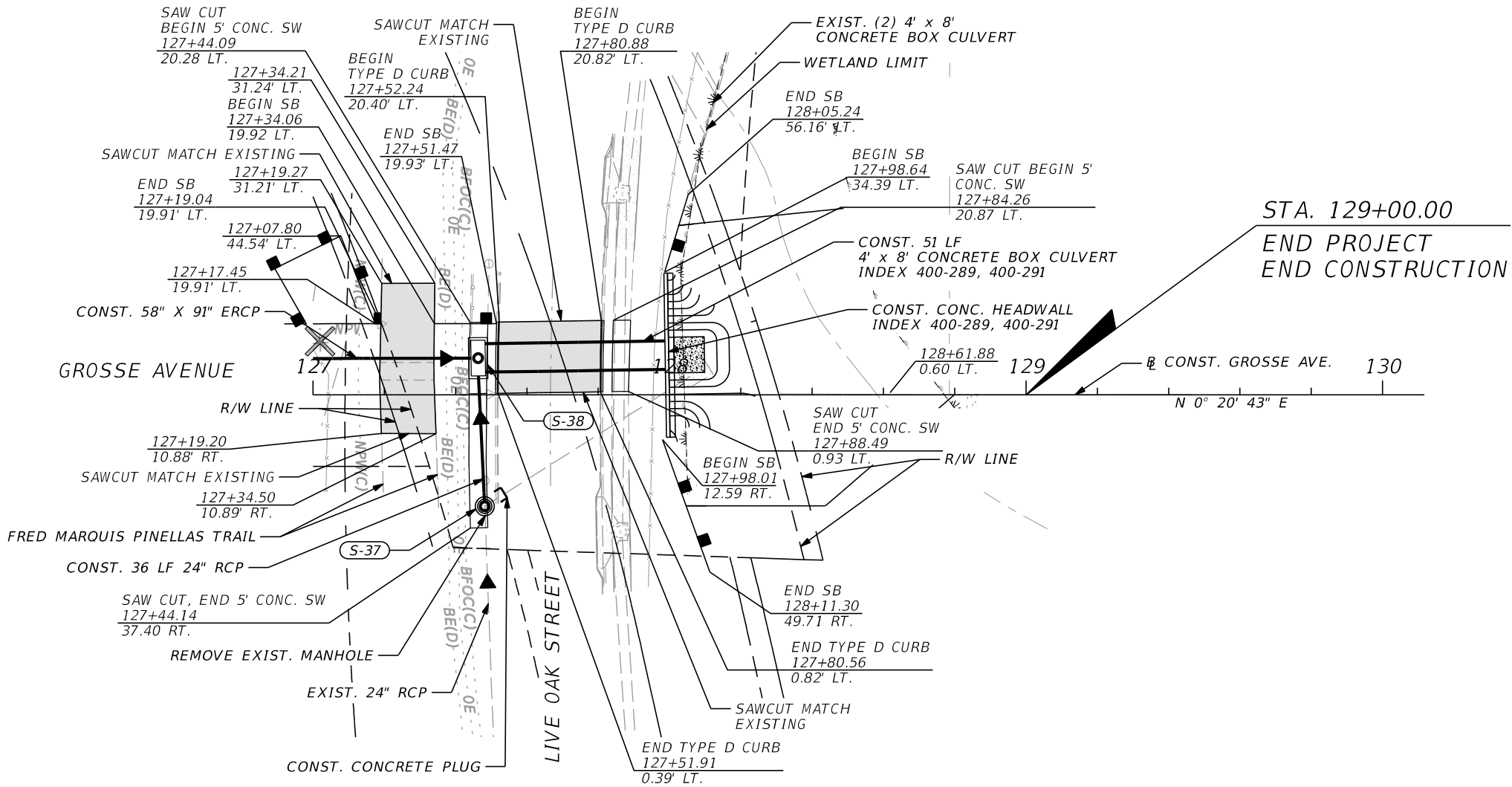
SHEET
NO.
16

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DATE	DESCRIPTION	DATE	DESCRIPTION					

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NOTE: SEE DRAINAGE DETAILS FOR
ADDITIONAL EROSION CONTROL

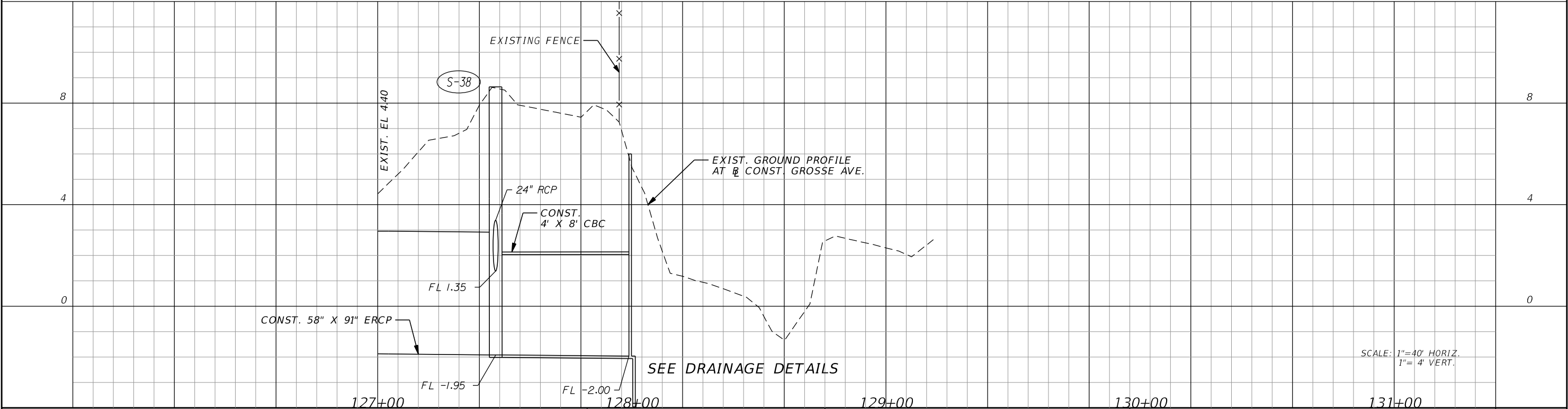
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LIMITS OF RECONSTRUCTION

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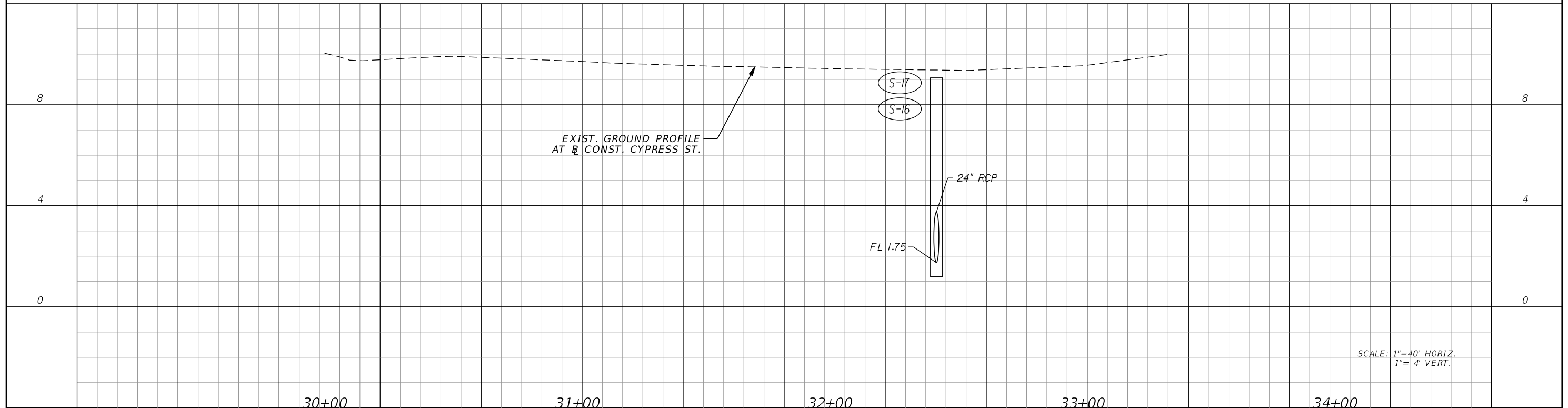
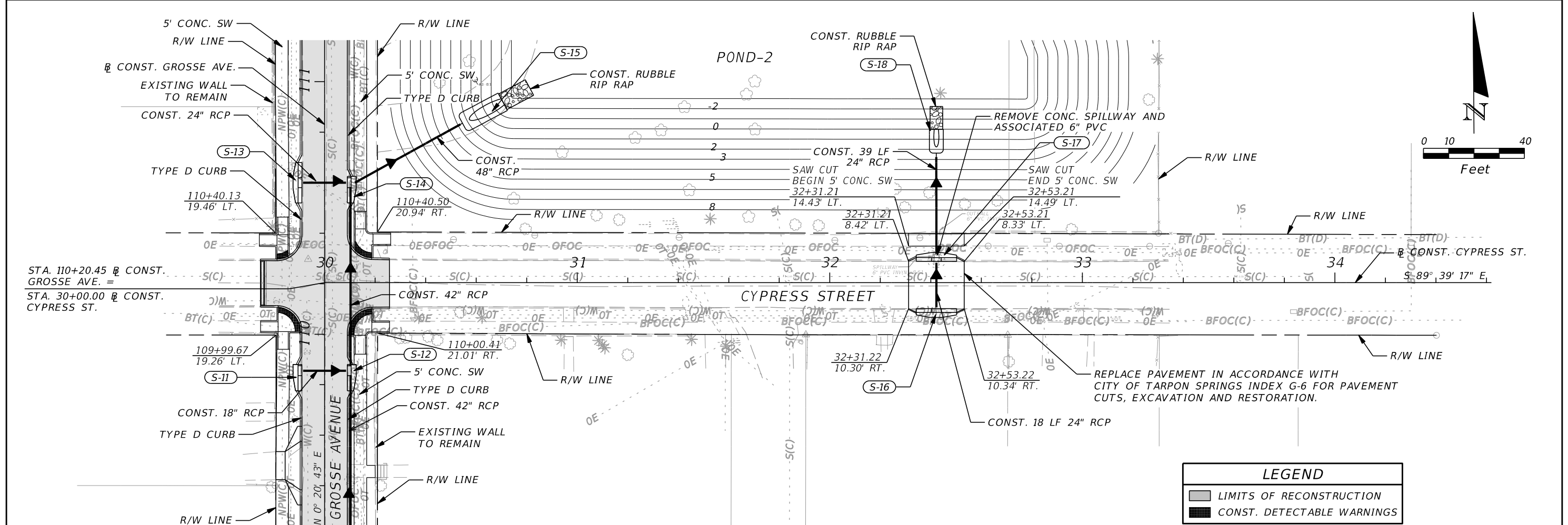
TREE REMOVAL

SEDIMENT BARRIER



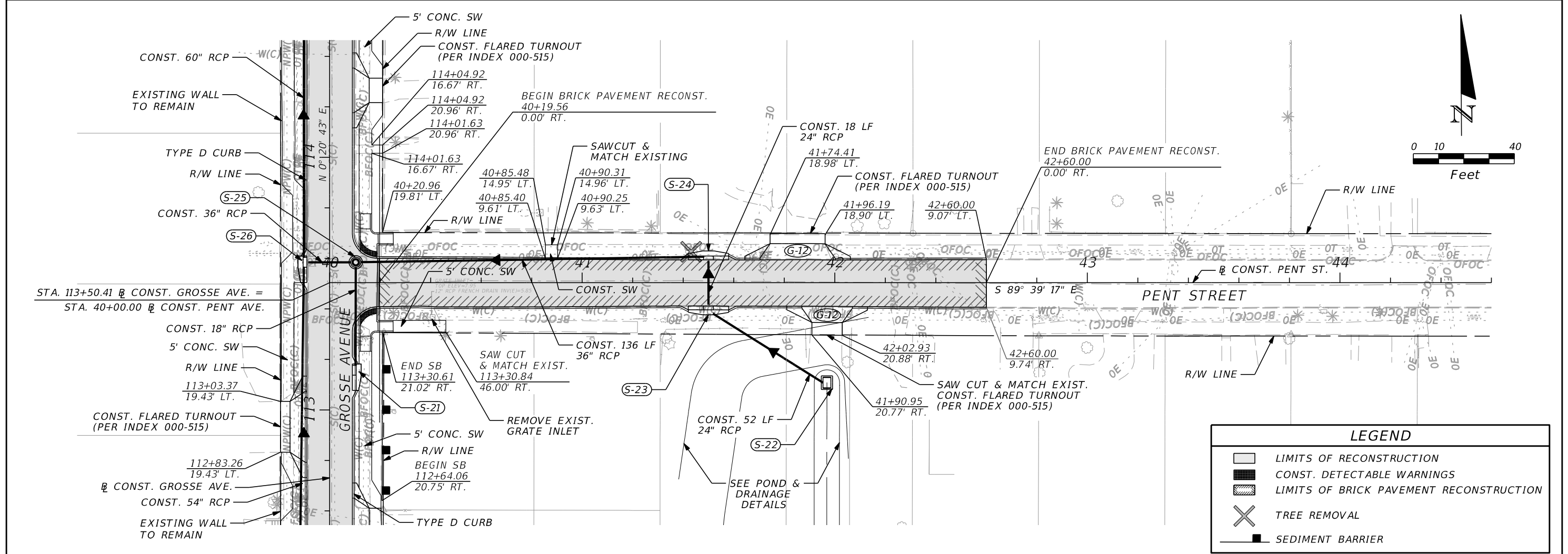
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	ROADWAY PLAN-PROFILE (7)		SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION					

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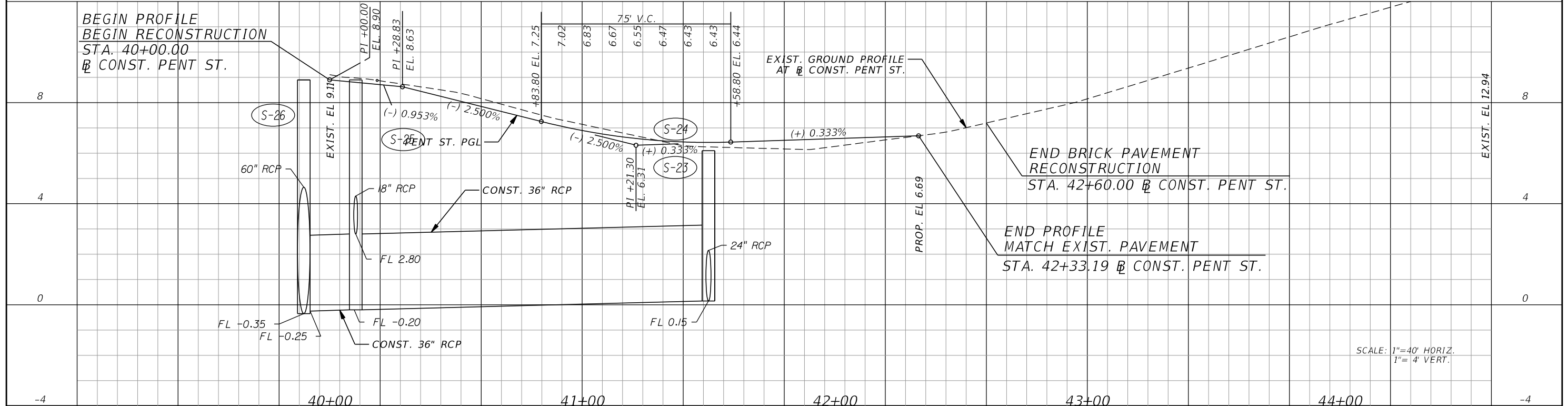
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DATE	DESCRIPTION	DATE	DESCRIPTION					

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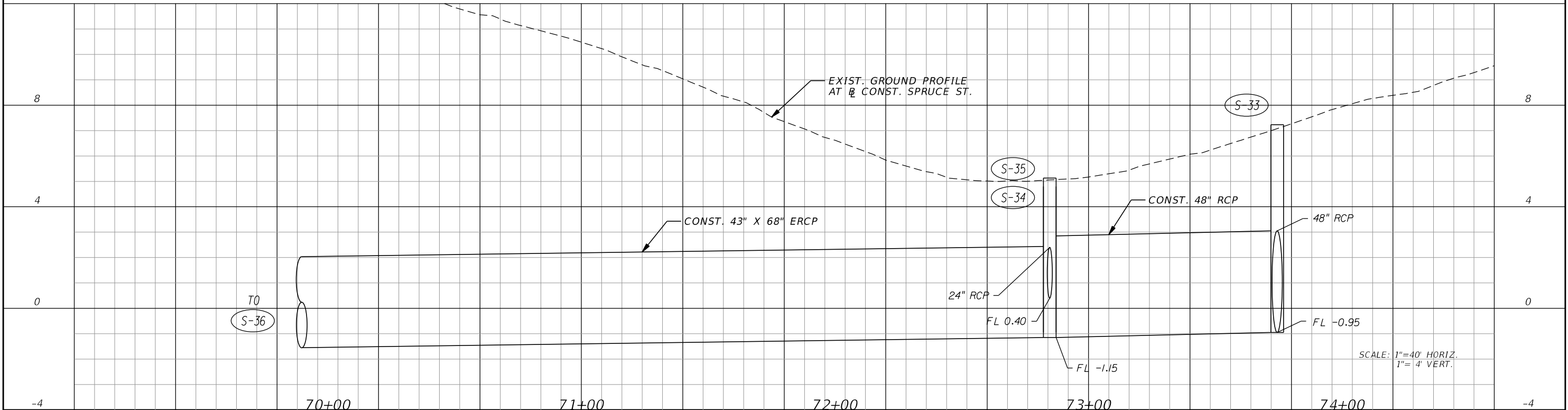
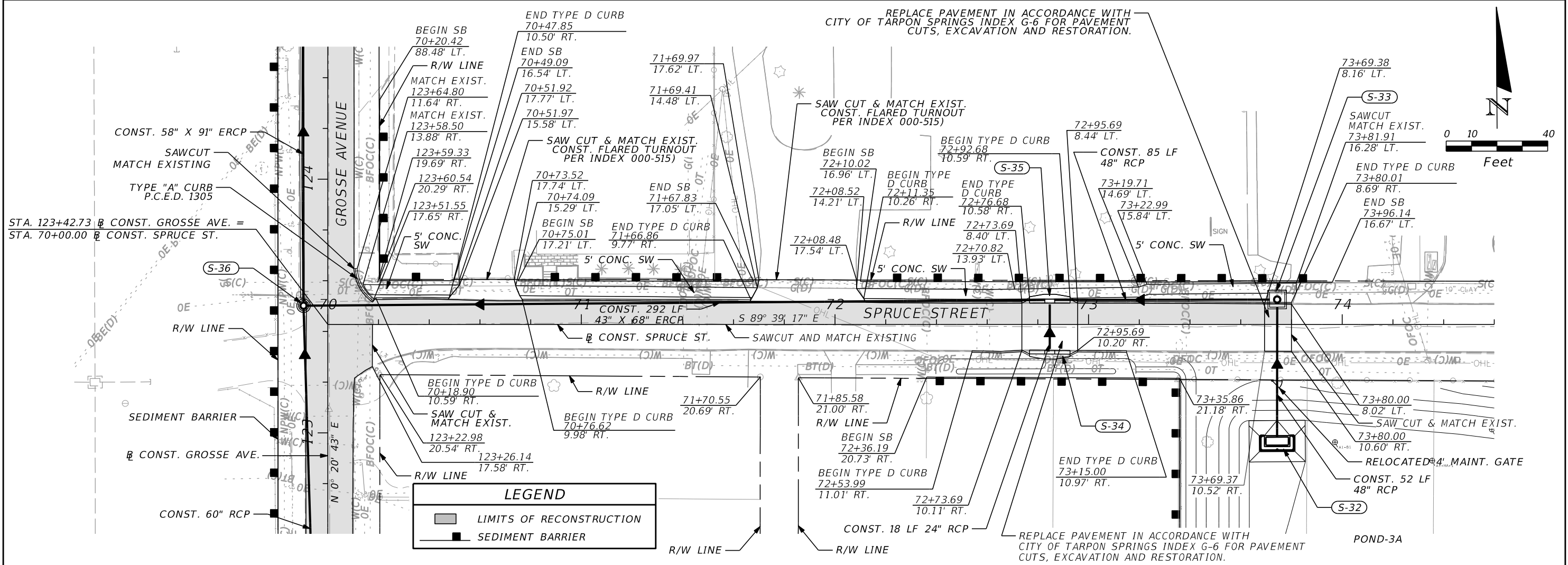
LEGEND

- LIMITS OF RECONSTRUCTION
- CONST. DETECTABLE WARNINGS
- LIMITS OF BRICK PAVEMENT RECONSTRUCTION
- TREE REMOVAL
- SEDIMENT BARRIER



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DATE	DESCRIPTION	DATE	DESCRIPTION					

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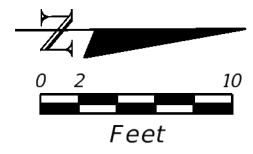
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DATE	DESCRIPTION	DATE	DESCRIPTION				

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GROSSE AVENUE

CONST. GROSSE AVE.

ORANGE STREET



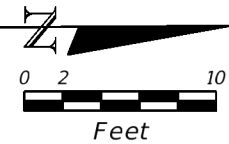
LEGEND

- DETECTABLE WARNINGS
- LIMITS OF ASPHALT RECONSTRUCTION
- SLOPE BREAK LINE

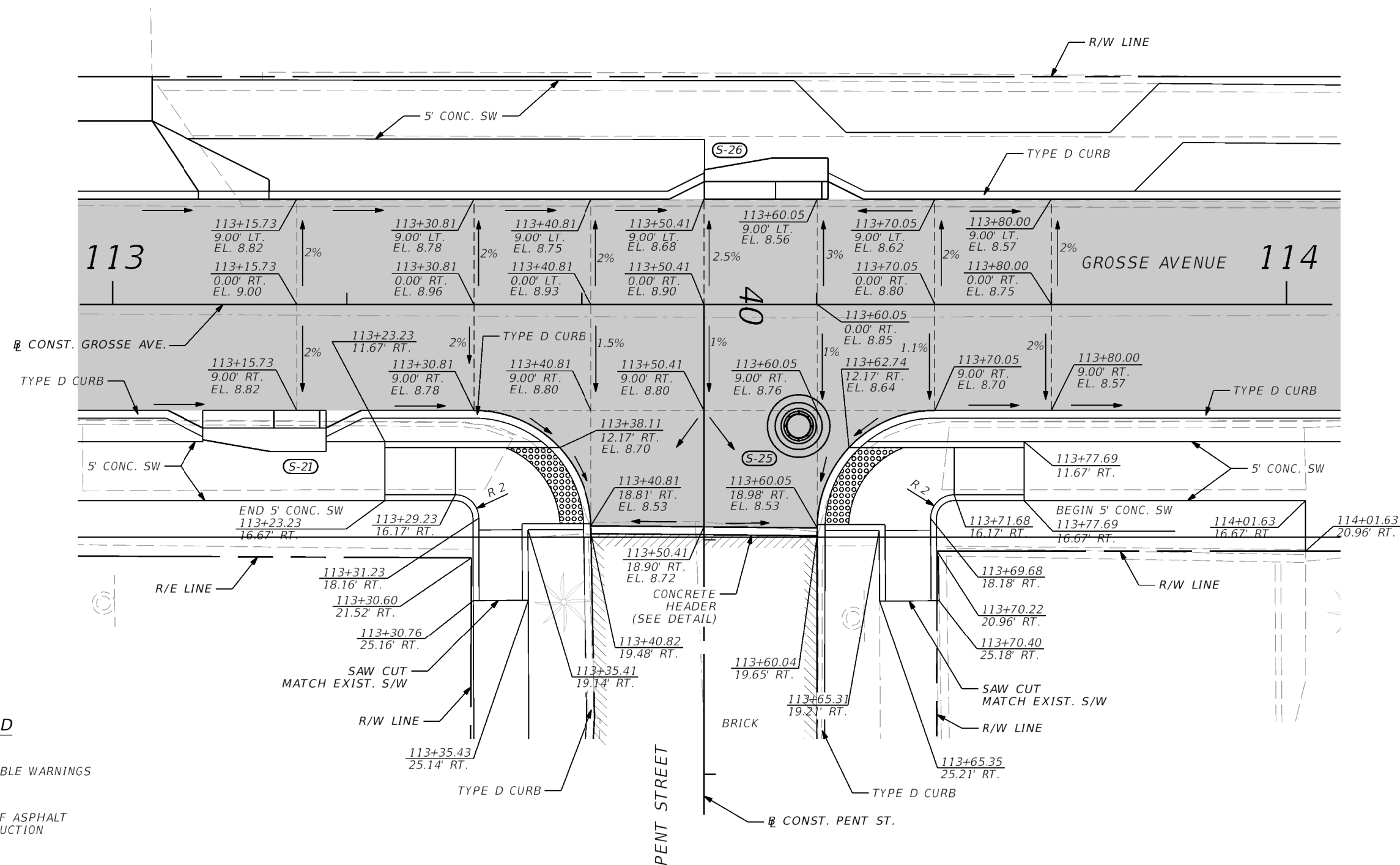
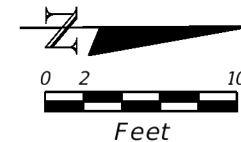
EL. 10.50+ EXIST. ELEV

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	INTERSECTION DETAIL (1)		SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



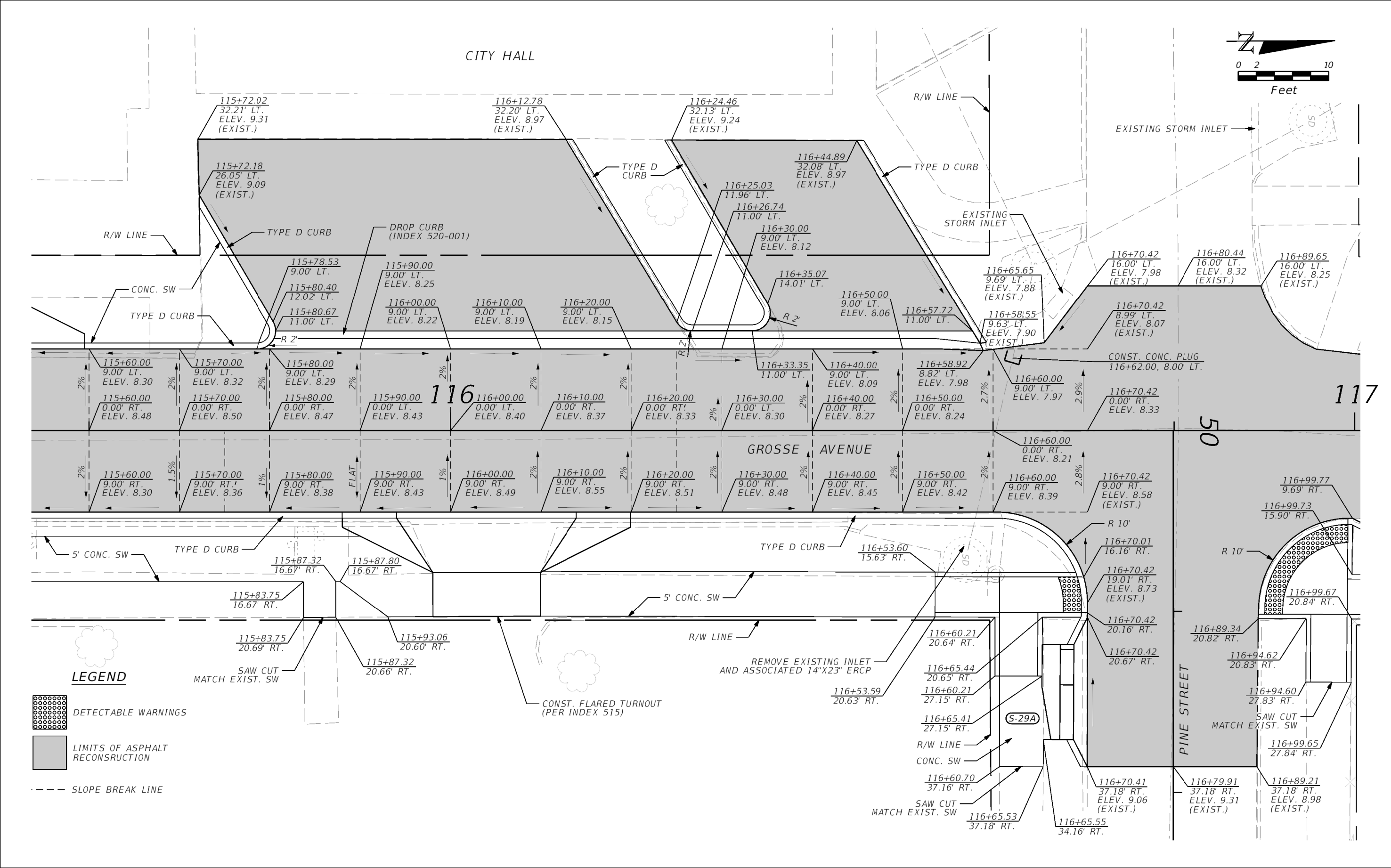
REVISIONS				 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	<i>INTERSECTION DETAIL (2)</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			23



LEGEND

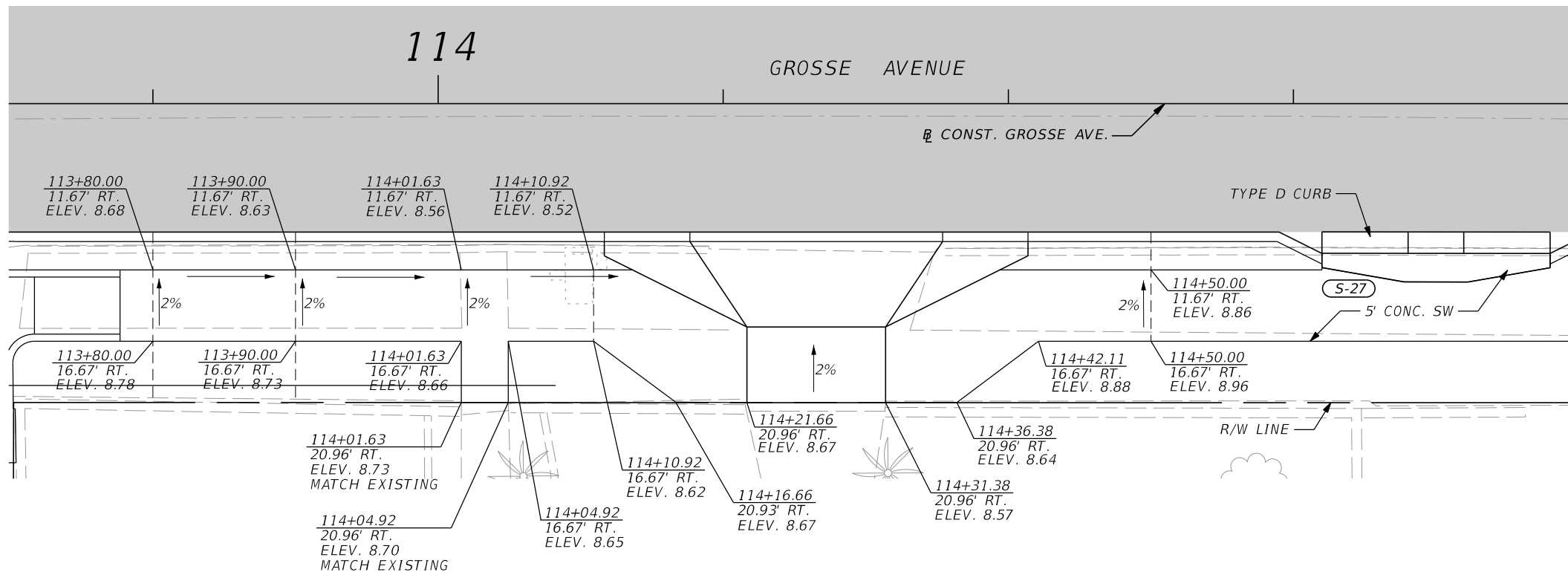
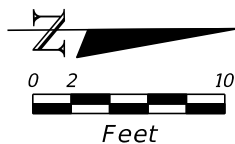
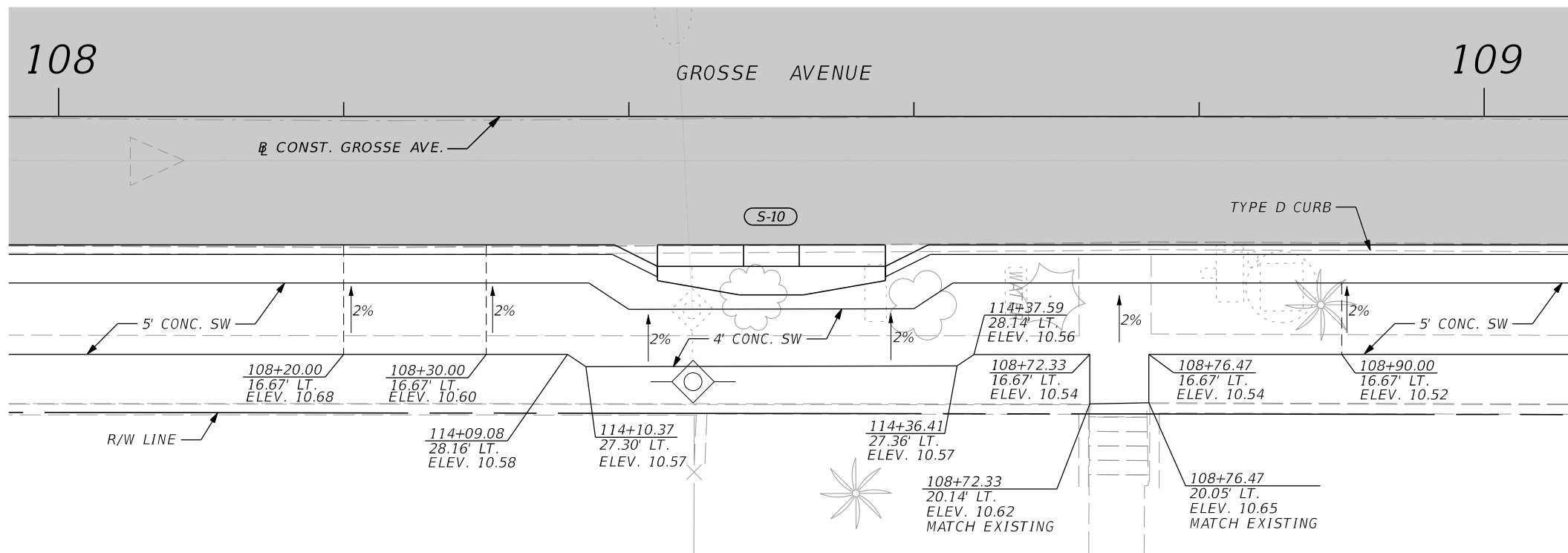
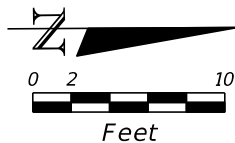
- DETECTABLE WARNINGS
- LIMITS OF ASPHALT RECONSTRUCTION
- LIMITS OF BRICK RECONSTRUCTION
- SLOPE BREAK LINE

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	INTERSECTION DETAIL (3)		SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION					

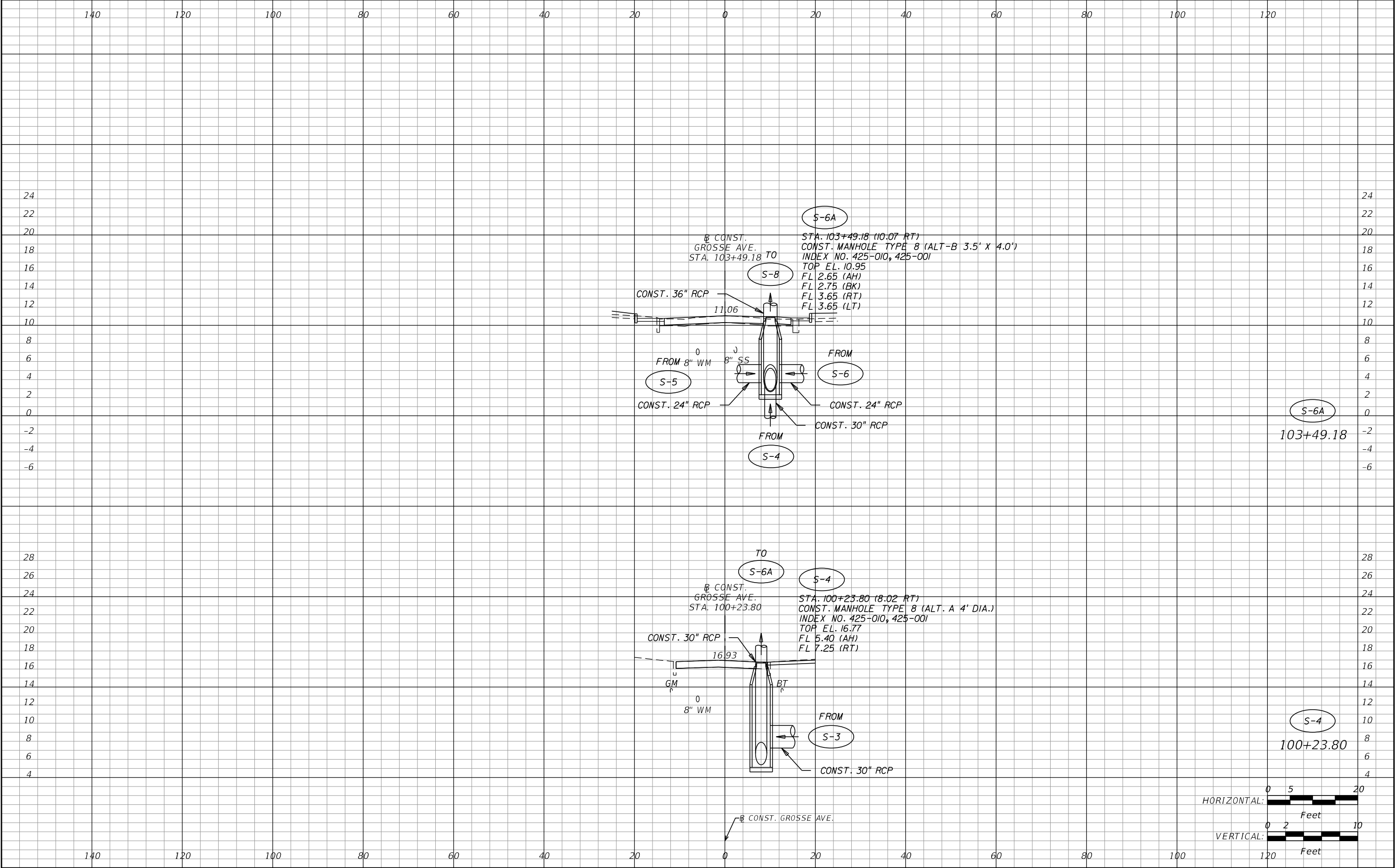


REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	INTERSECTION DETAIL (4)		SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION						

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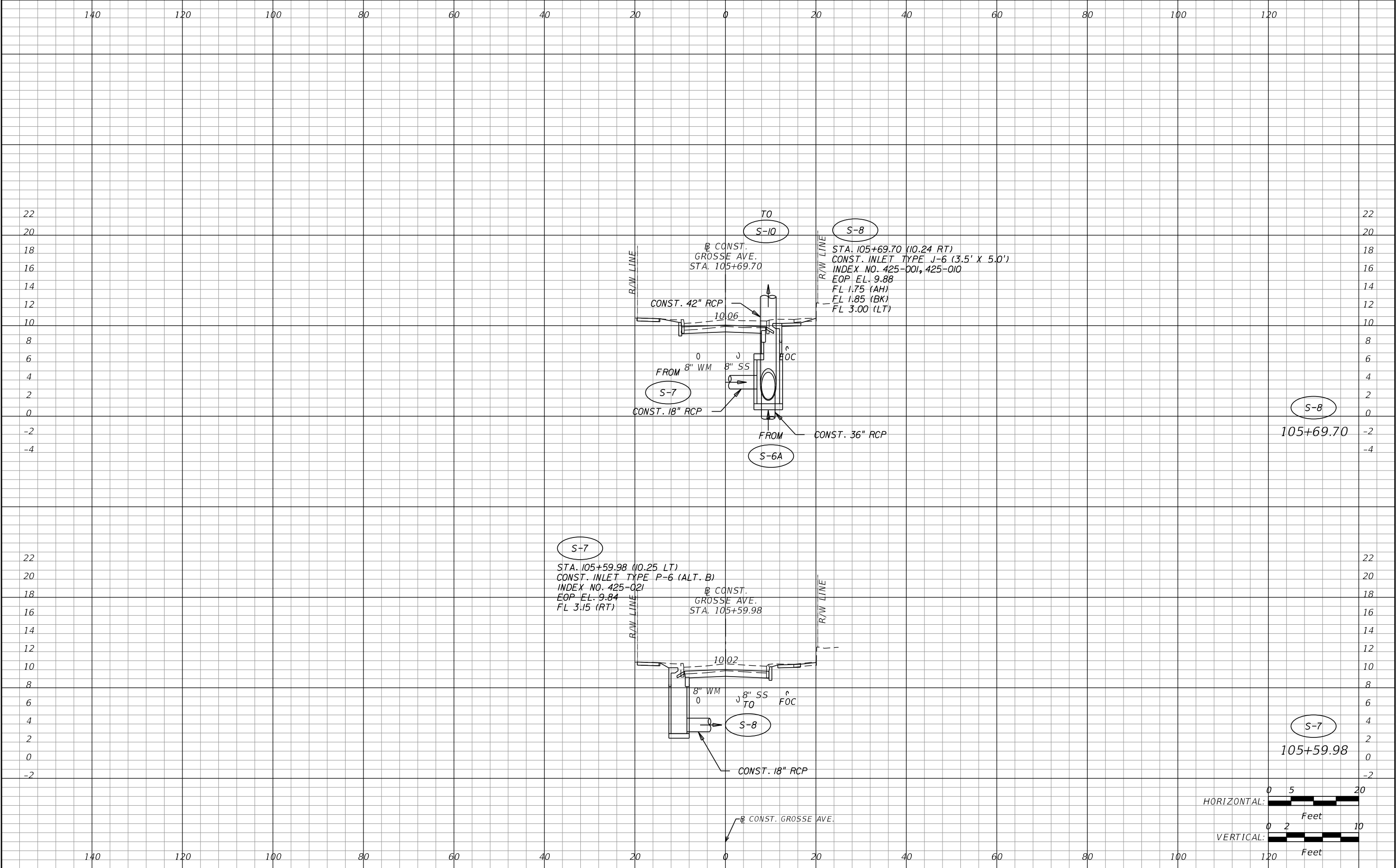


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DATE	DESCRIPTION	DATE	DESCRIPTION						



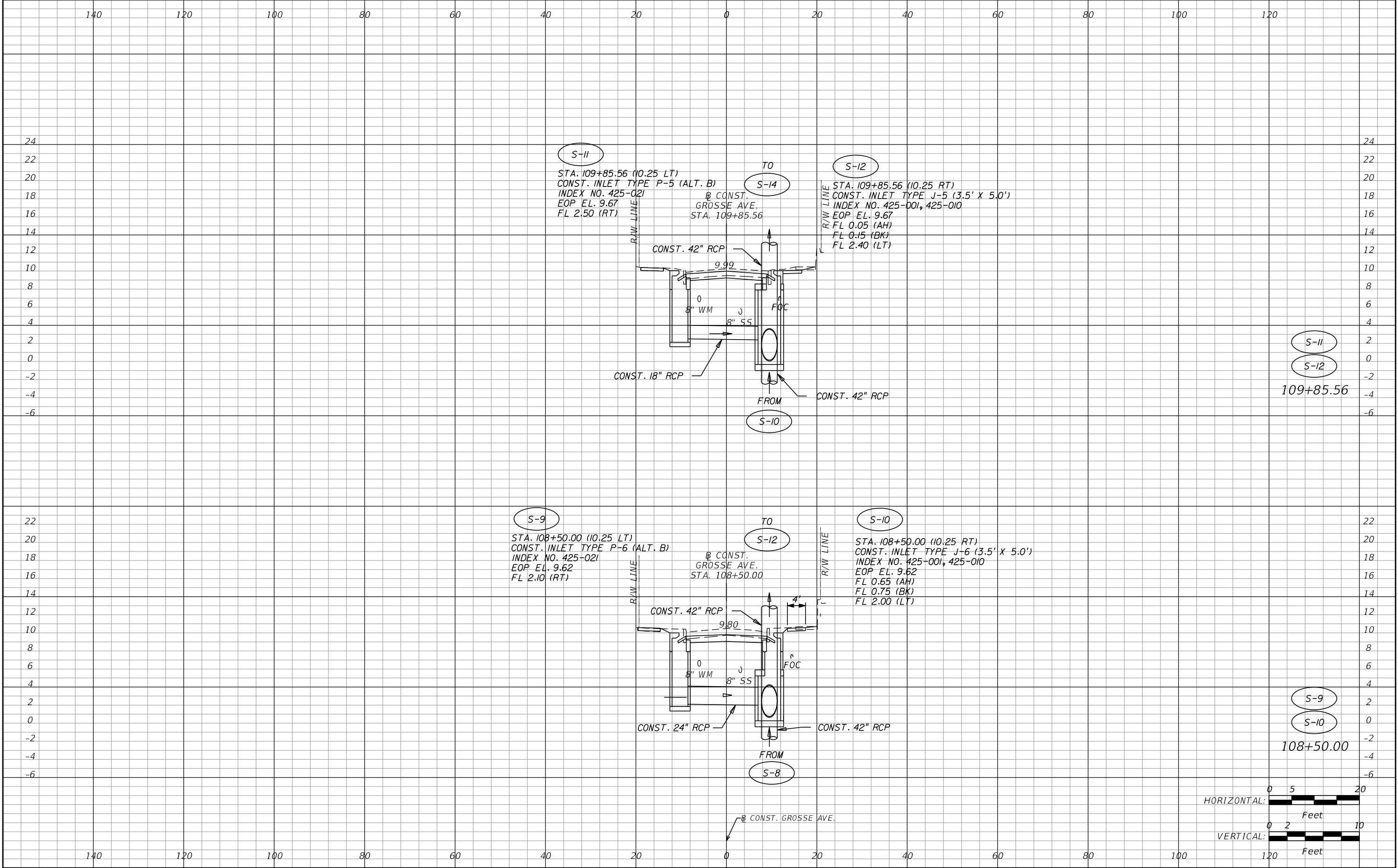
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DATE	DESCRIPTION	DATE	DESCRIPTION					

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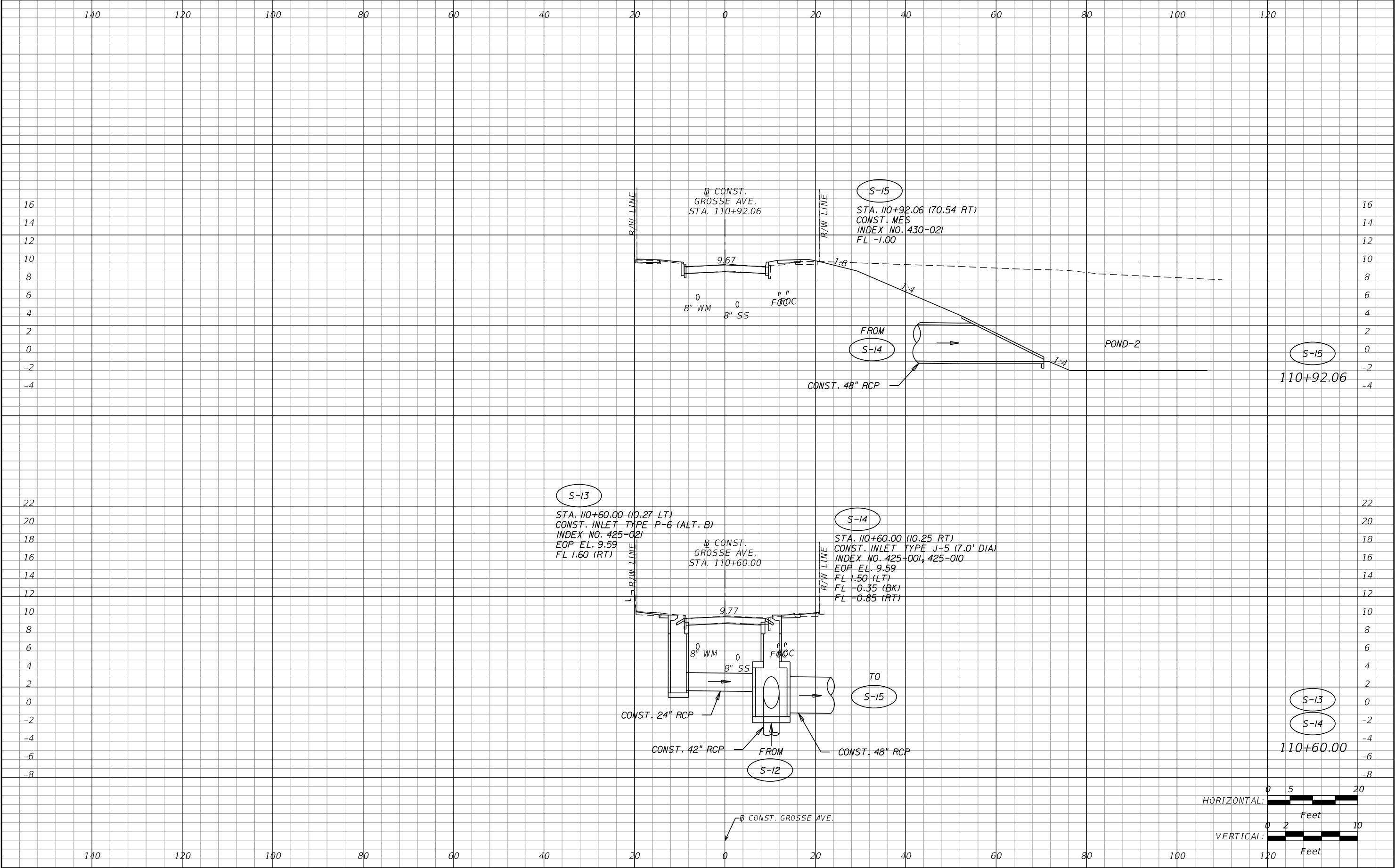
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DATE	DESCRIPTION	DATE	DESCRIPTION				

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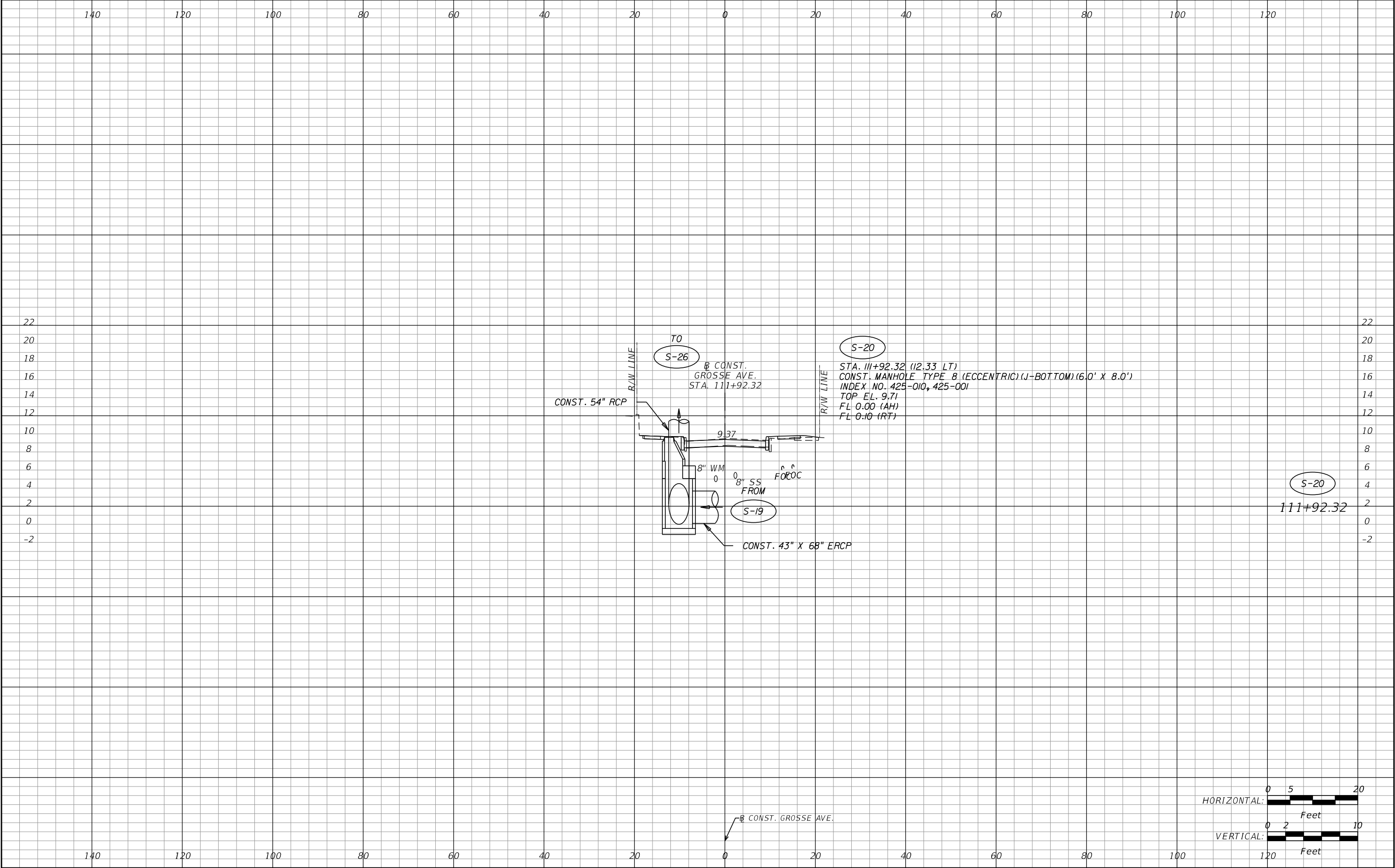
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DATE	DESCRIPTION	DATE	DESCRIPTION				

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



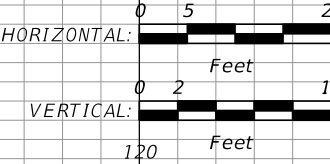
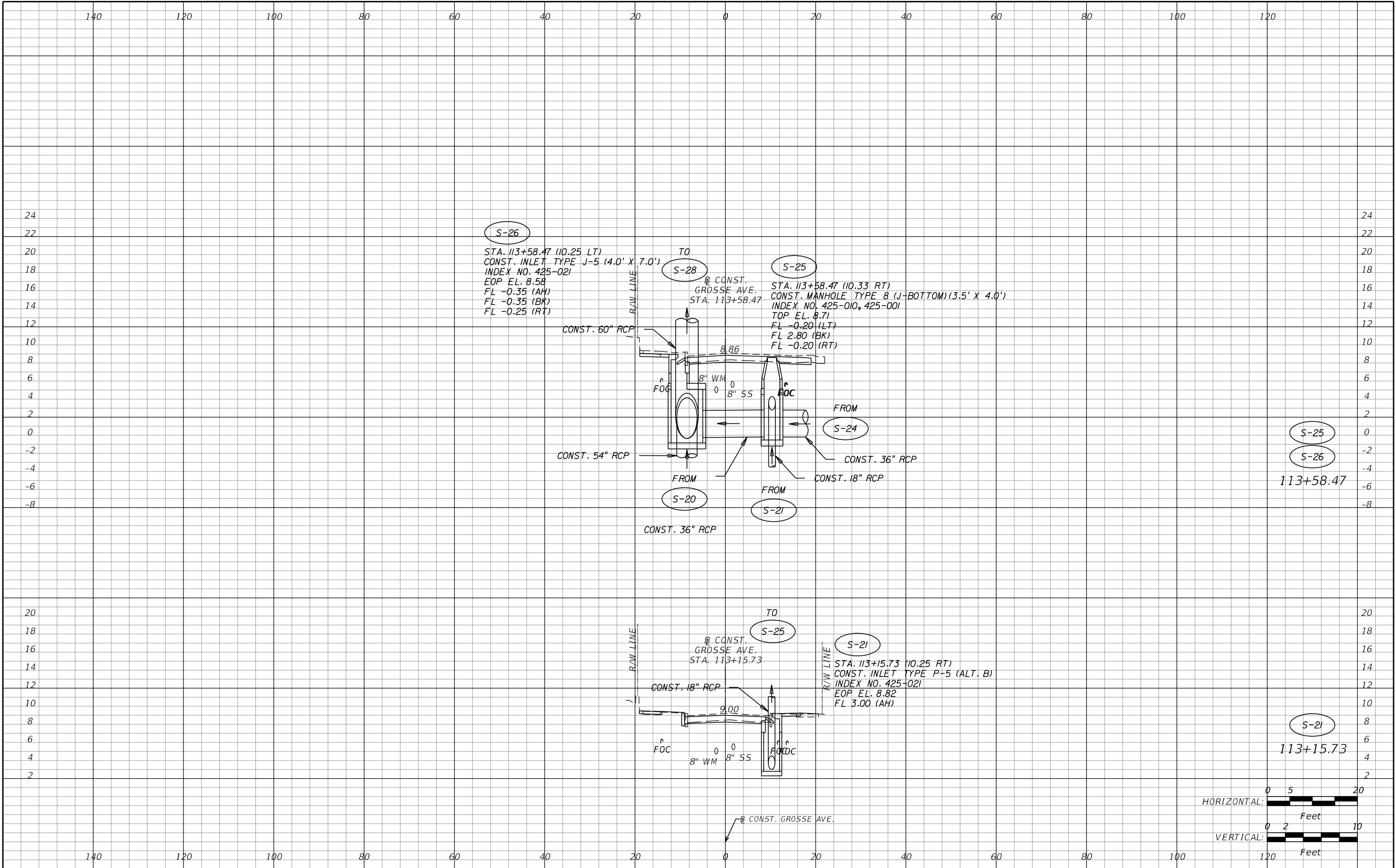
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DATE	DESCRIPTION	DATE	DESCRIPTION					

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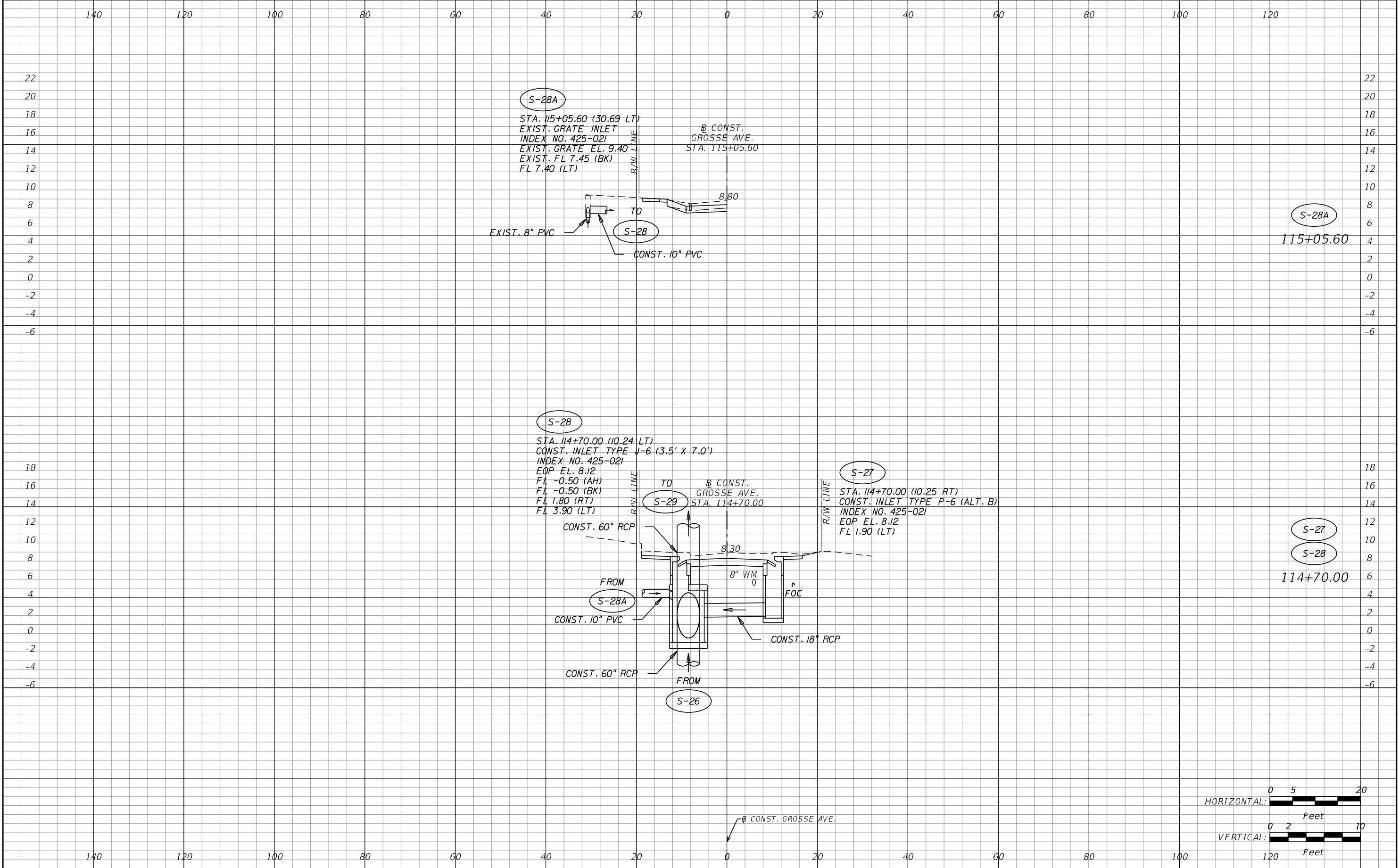
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DATE	DESCRIPTION	DATE	DESCRIPTION				31

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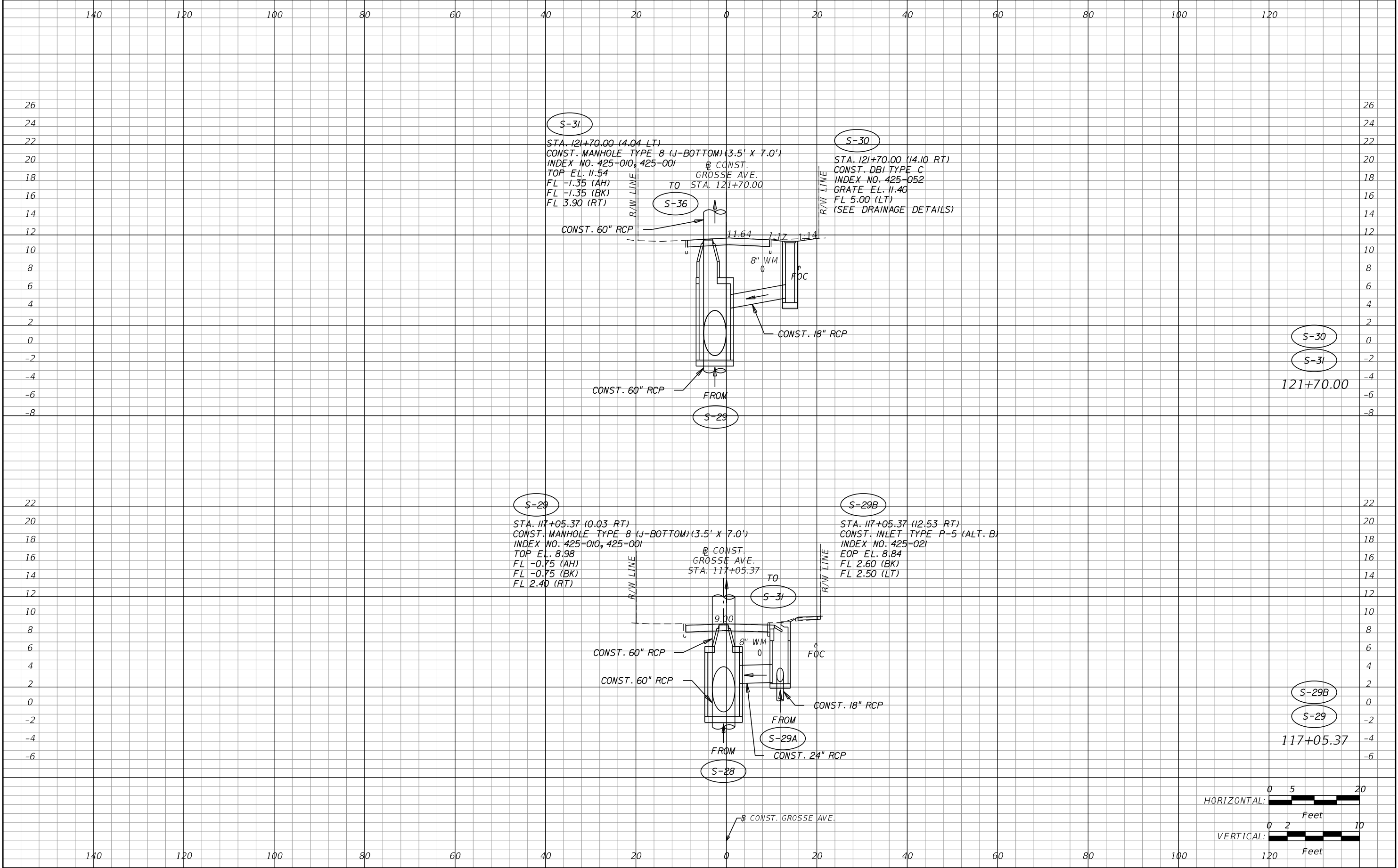
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DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



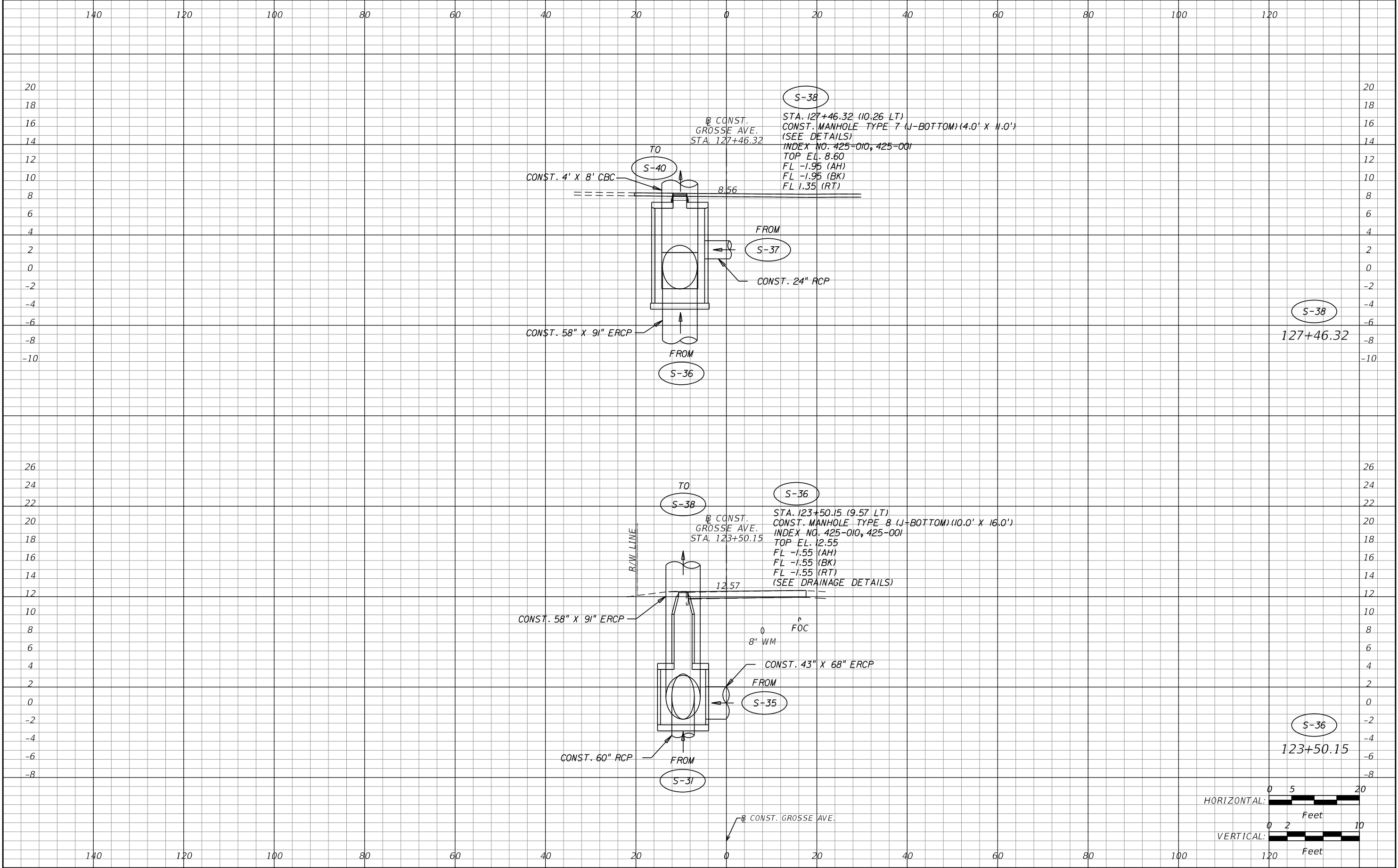
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DATE	DESCRIPTION	DATE	DESCRIPTION						33

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



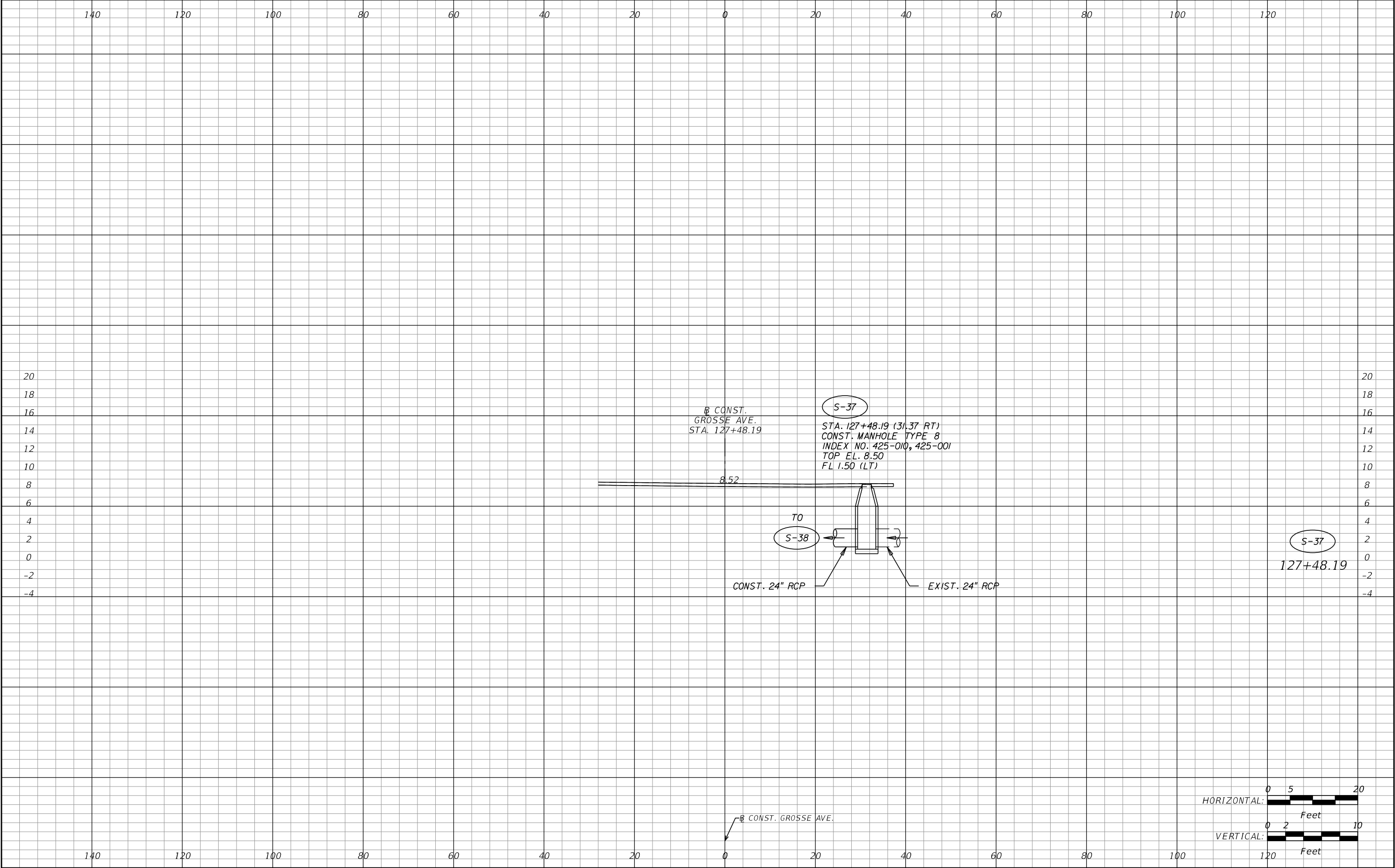
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DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



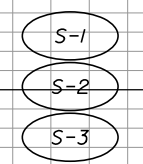
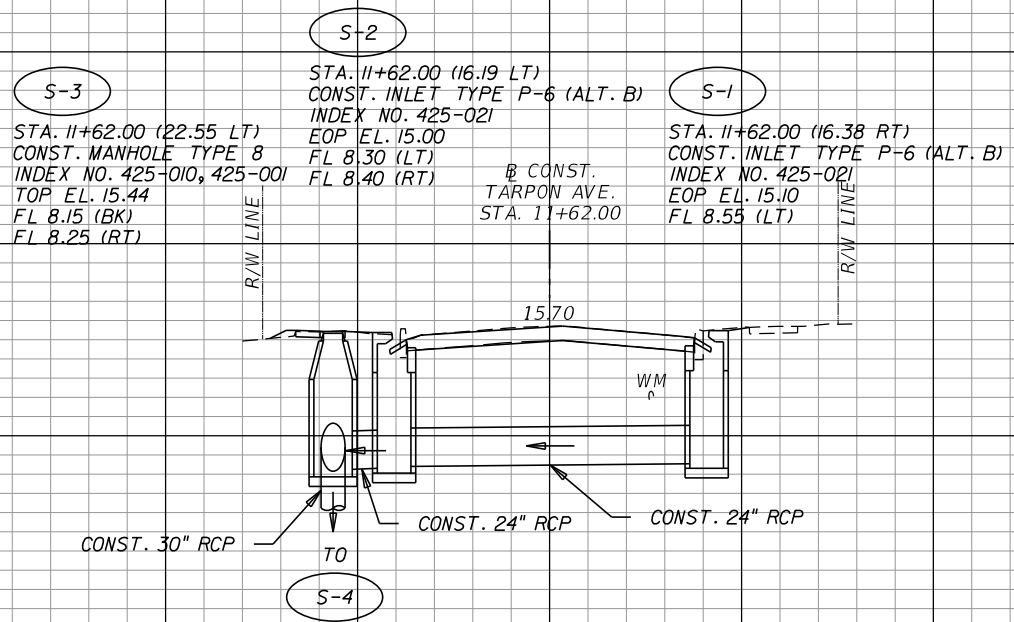
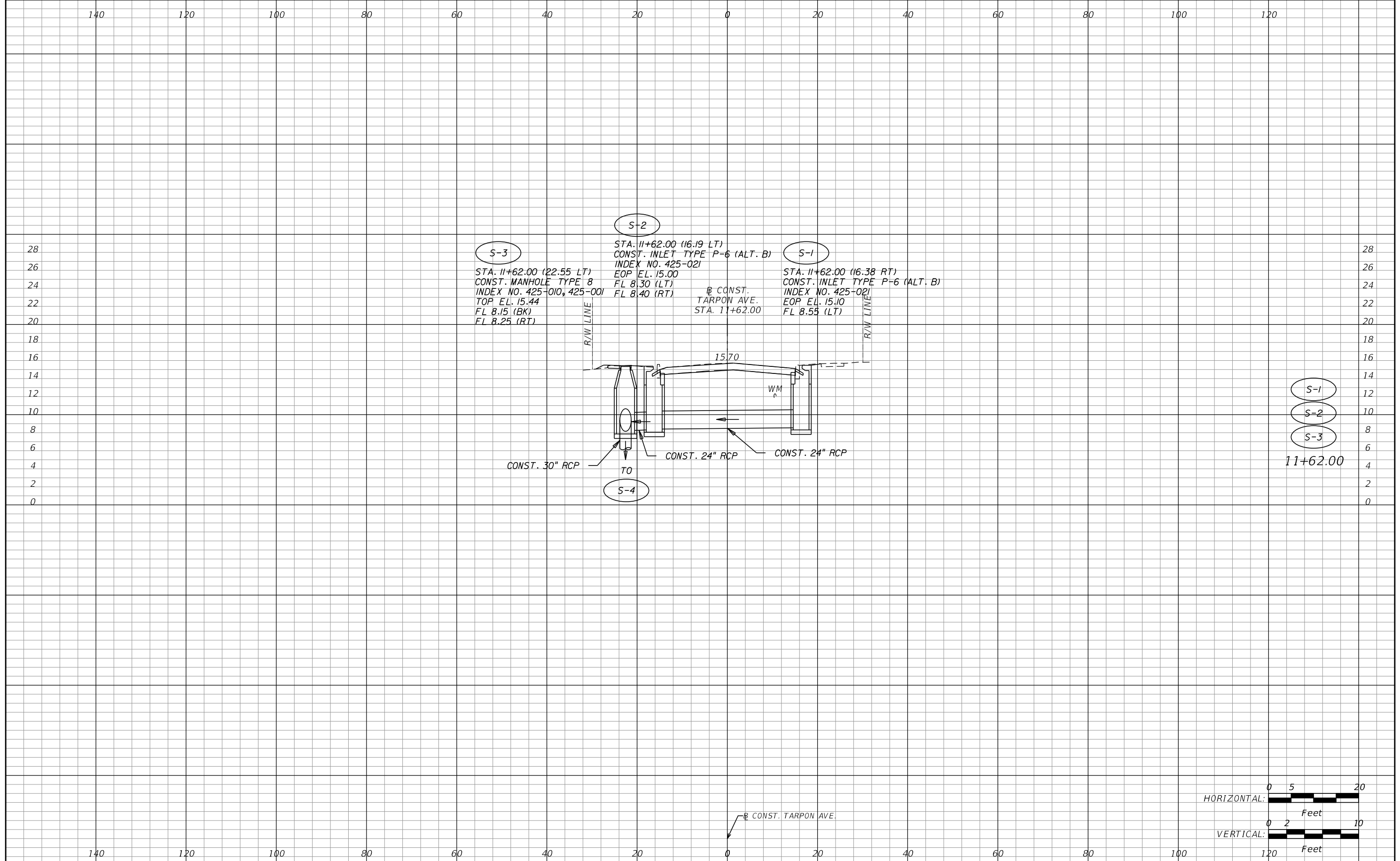
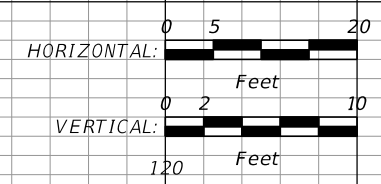
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES GROSSE AVENUE (9)	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION				

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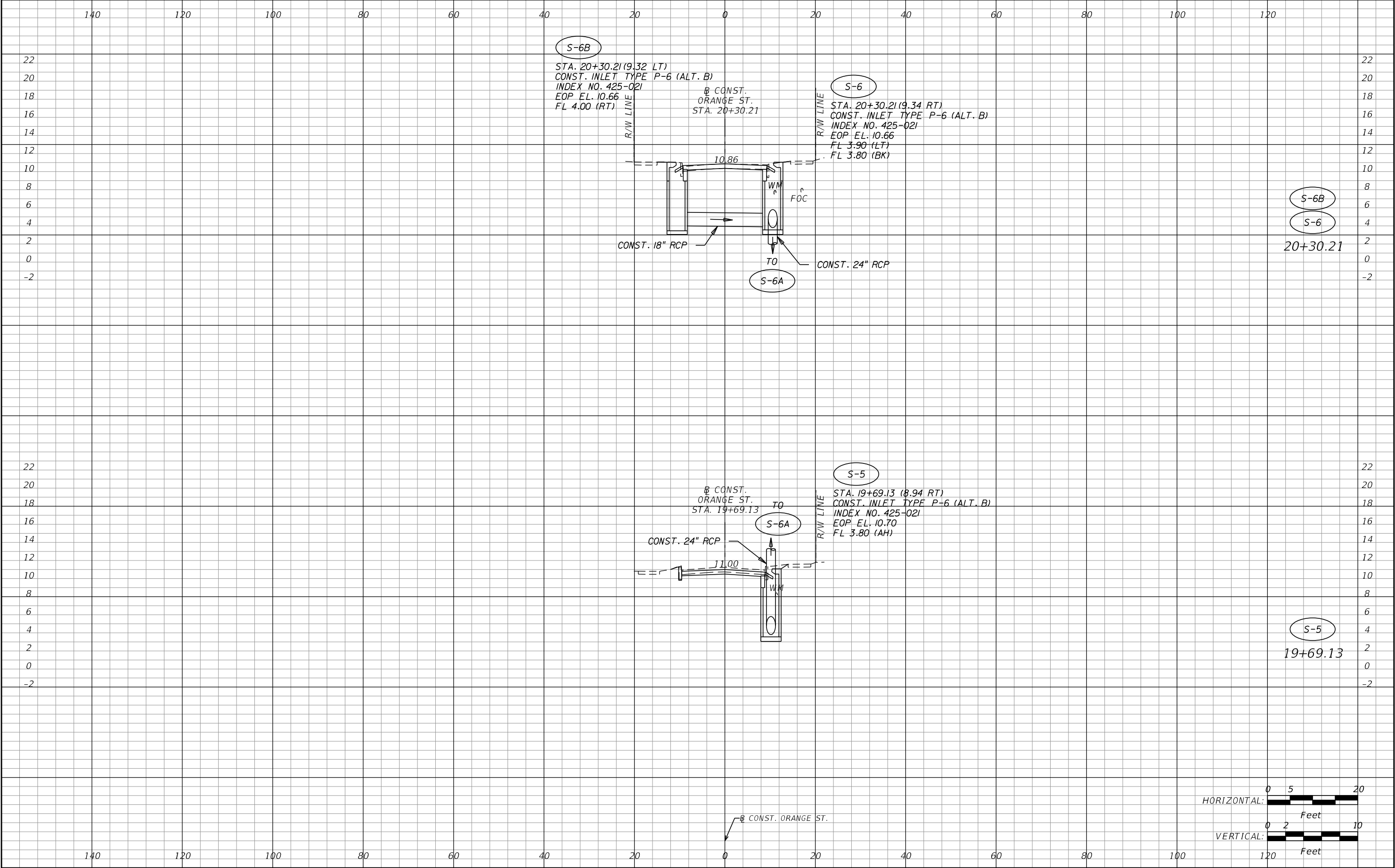


REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES GROSSE AVENUE (10)	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION				

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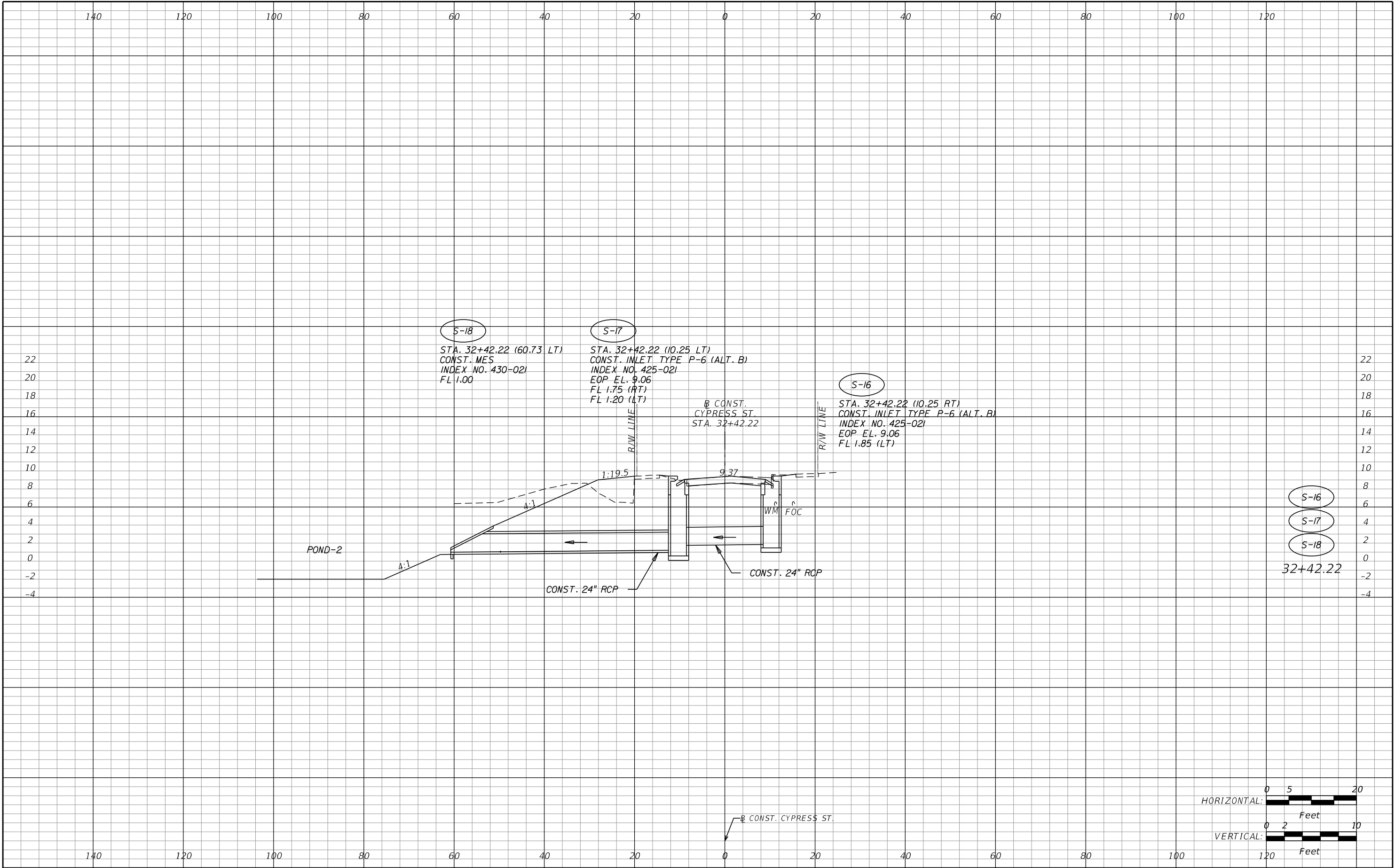
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REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES TARPON AVENUE (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
							37



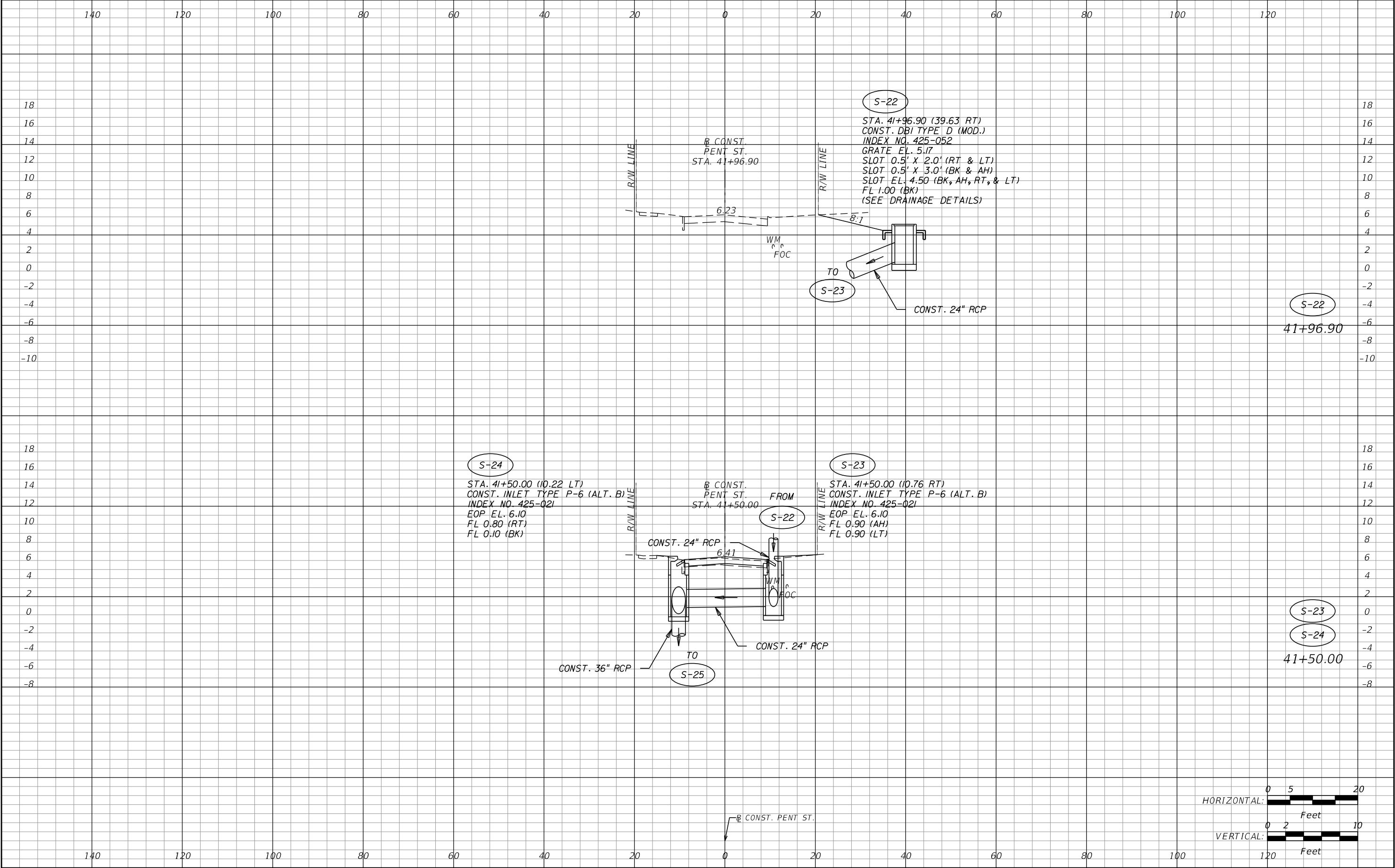
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES ORANGE STREET (1)		SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



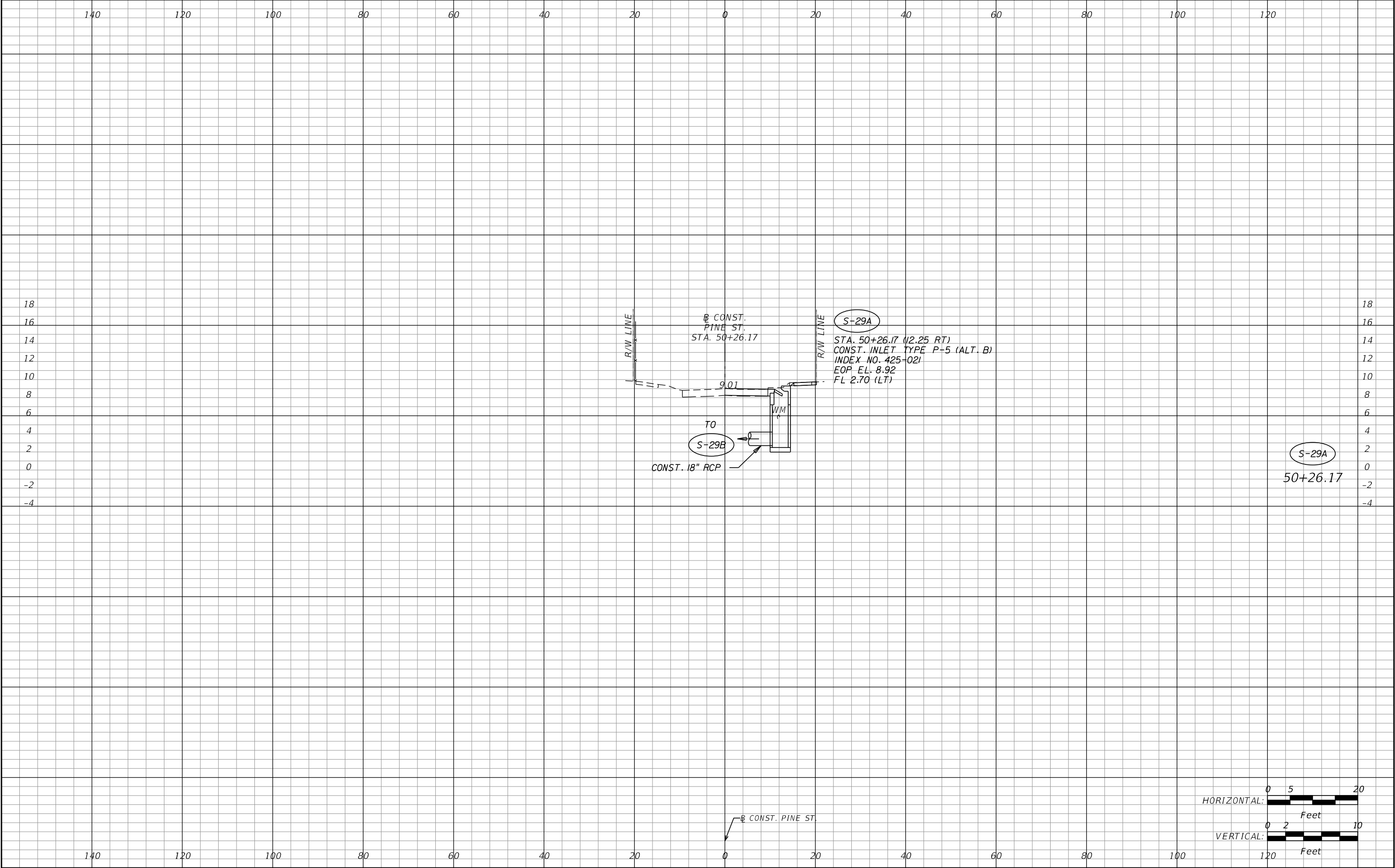
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES CYPRESS STREET (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					39

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



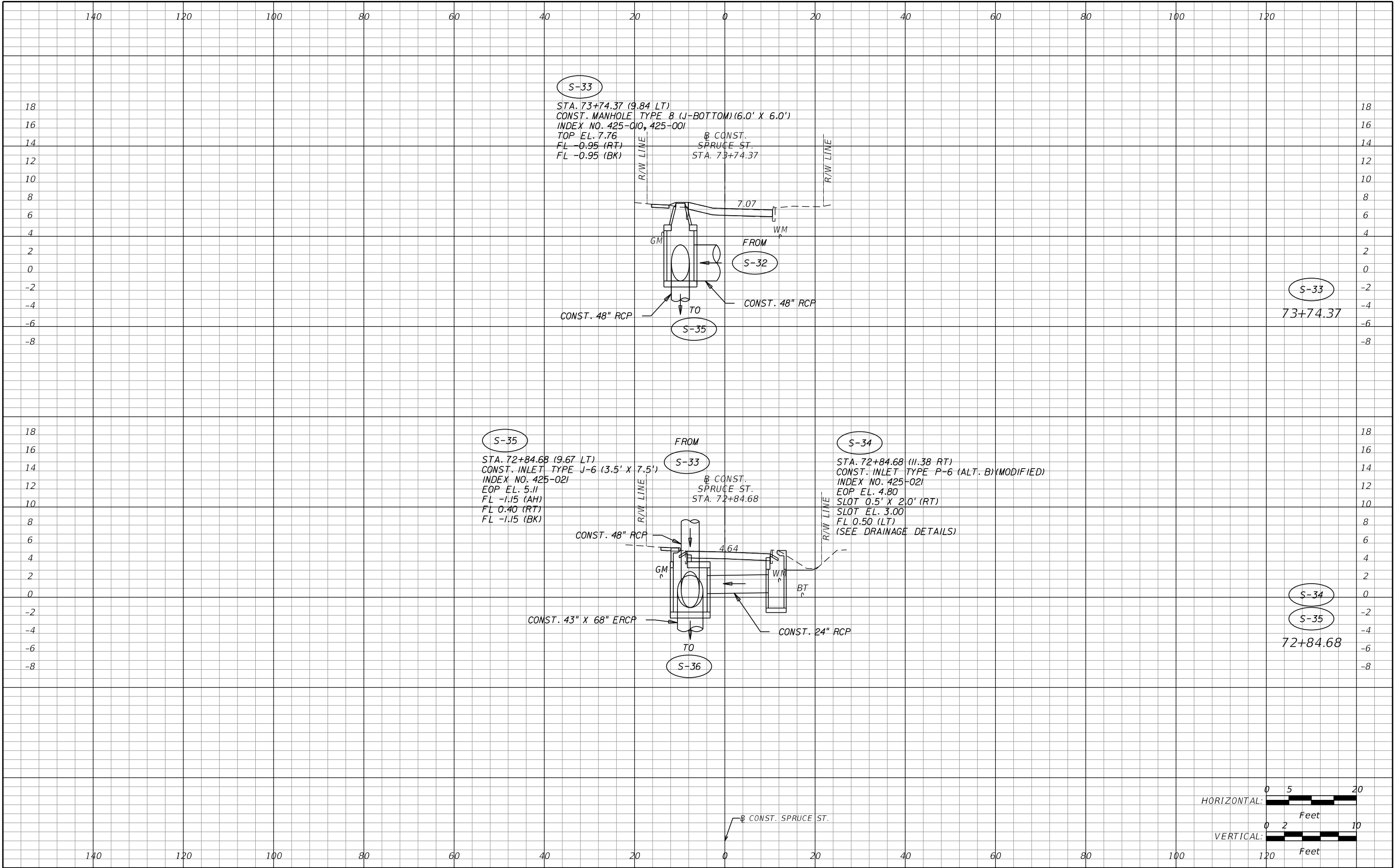
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES PENT STREET (1)		SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



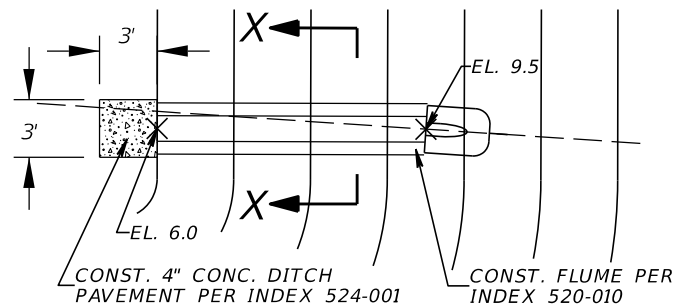
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	CITY OF TARPON SPRINGS, FLORIDA CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES PINE STREET (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				41

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

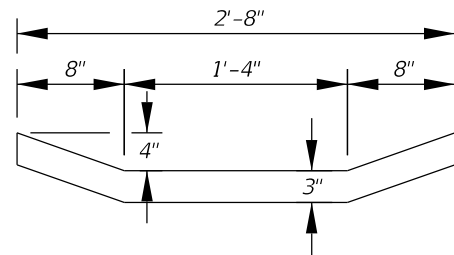


REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	CITY OF TARPON SPRINGS, FLORIDA	CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE STRUCTURES SPRUCE STREET (1)		SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION						

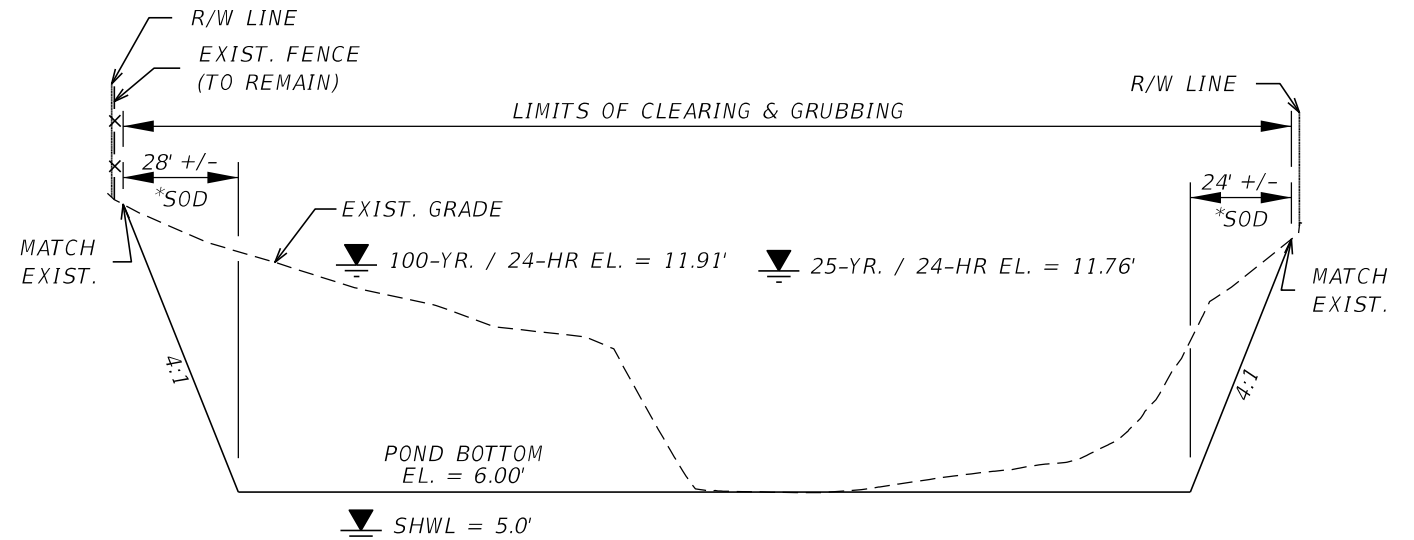
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



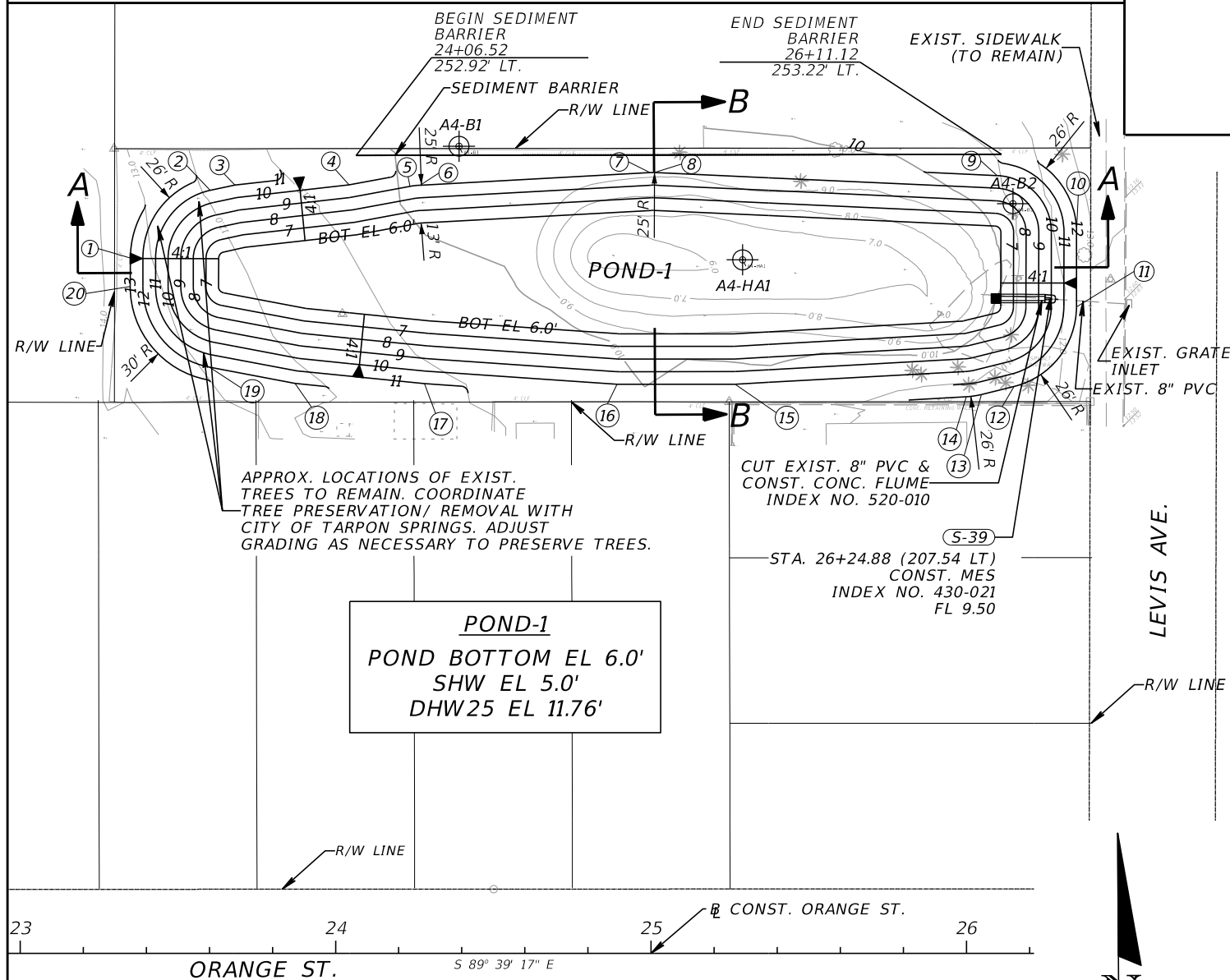
CONC. FLUME DETAIL
N.T.S.



SECTION X-X
N.T.S.

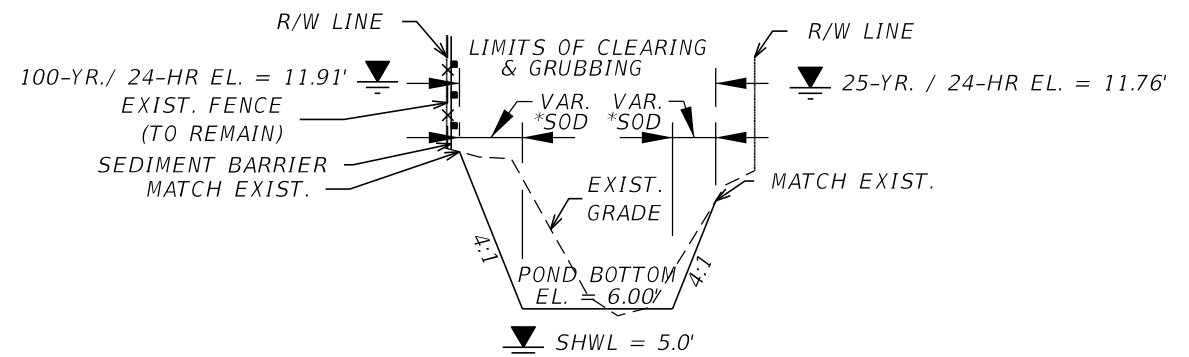


SECTION "A-A"
1" = 50' HORIZONTAL
1" = 5' VERTICAL



POND-1
POND BOTTOM EL 6.0'
SHW EL 5.0'
DHW25 EL 11.76'

POINT TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
1	23+34.90	220.38 LT	11	26+34.87	204.86 LT
2	23+60.26	241.84 LT	12	26+15.09	179.68 LT
3	23+68.06	243.53 LT	13	26+04.74	177.13 LT
4	24+04.26	243.57 LT	14	25+99.96	176.42 LT
5	24+23.56	243.10 LT	15	25+26.70	180.38 LT
6	24+26.77	243.48 LT	16	24+89.20	180.36 LT
7	24+99.63	247.47 LT	17	24+28.15	180.55 LT
8	25+01.01	247.51 LT	18	23+87.13	180.62 LT
9	26+09.75	246.53 LT	19	23+60.05	185.76 LT
10	26+34.93	228.49 LT	20	23+34.90	211.34 LT



SECTION "B-B"
1" = 50' HORIZONTAL
1" = 5' VERTICAL

*NOTE: SOD ALL DISTURBED AREAS WITHIN POND WITH SAND-GROWN SOD (NO MUCK) AS SOON AS POSSIBLE AFTER GRADING WORK IS COMPLETED

NOTE: ALL TREES WITHIN POND AREA TO BE REMOVED UNLESS OTHERWISE NOTED, AS COORDINATED BY THE CITY ARBORIST.

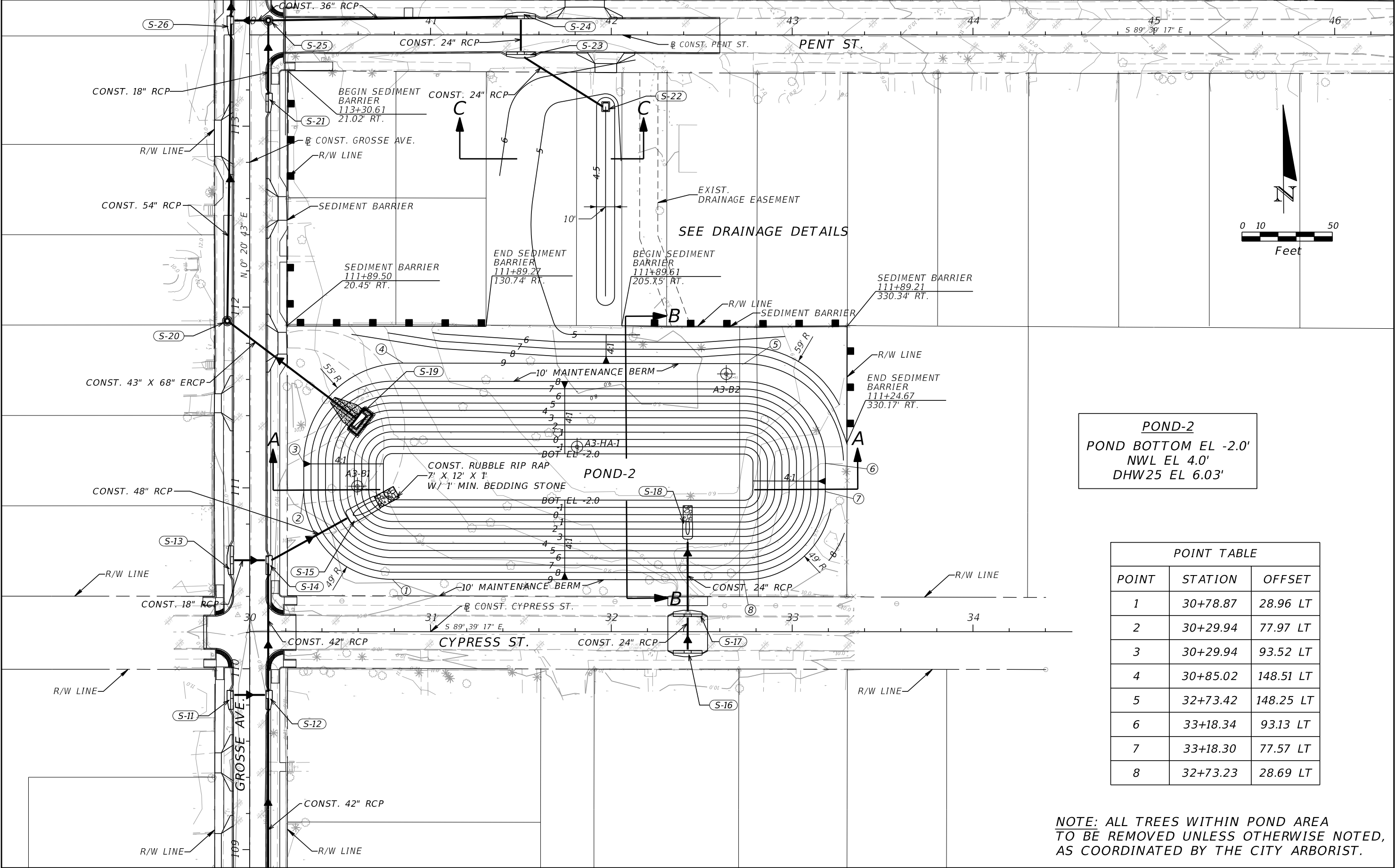
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230
DATE	DESCRIPTION	DATE	DESCRIPTION	



CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

POND DETAILS (1)
POND-1

SHEET
NO.
43



POND-2
POND BOTTOM EL -2.0'
NWL EL 4.0'
DHW25 EL 6.03'

POINT TABLE		
POINT	STATION	OFFSET
1	30+78.87	28.96 LT
2	30+29.94	77.97 LT
3	30+29.94	93.52 LT
4	30+85.02	148.51 LT
5	32+73.42	148.25 LT
6	33+18.34	93.13 LT
7	33+18.30	77.57 LT
8	32+73.23	28.69 LT

NOTE: ALL TREES WITHIN POND AREA
TO BE REMOVED UNLESS OTHERWISE NOTED,
AS COORDINATED BY THE CITY ARBORIST.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
------	-------------	------	-------------

BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230



CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

POND DETAILS (2)
POND-2

SHEET NO.
44

sszulga

3/19/2020

2:42:24 PM

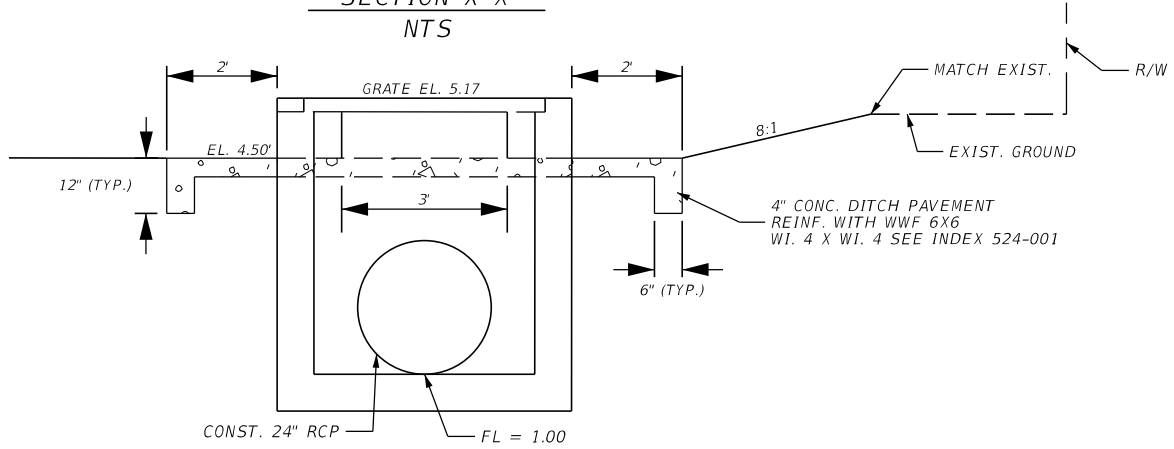
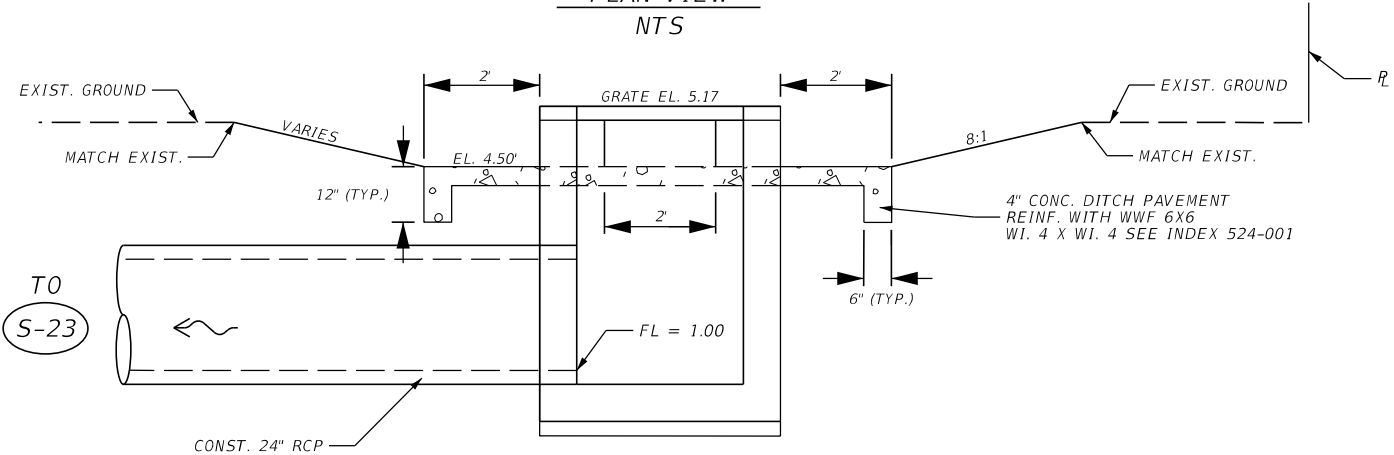
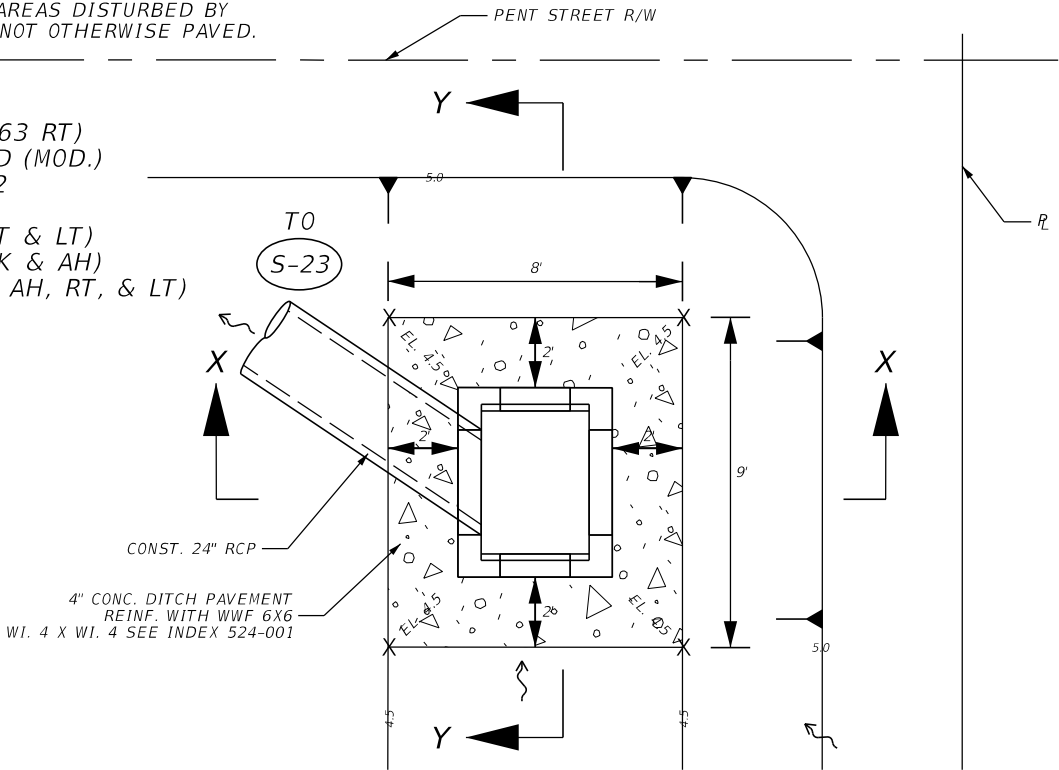
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NOTE: SOD ALL AREAS DISTURBED BY
CONSTRUCTION, NOT OTHERWISE PAVED.

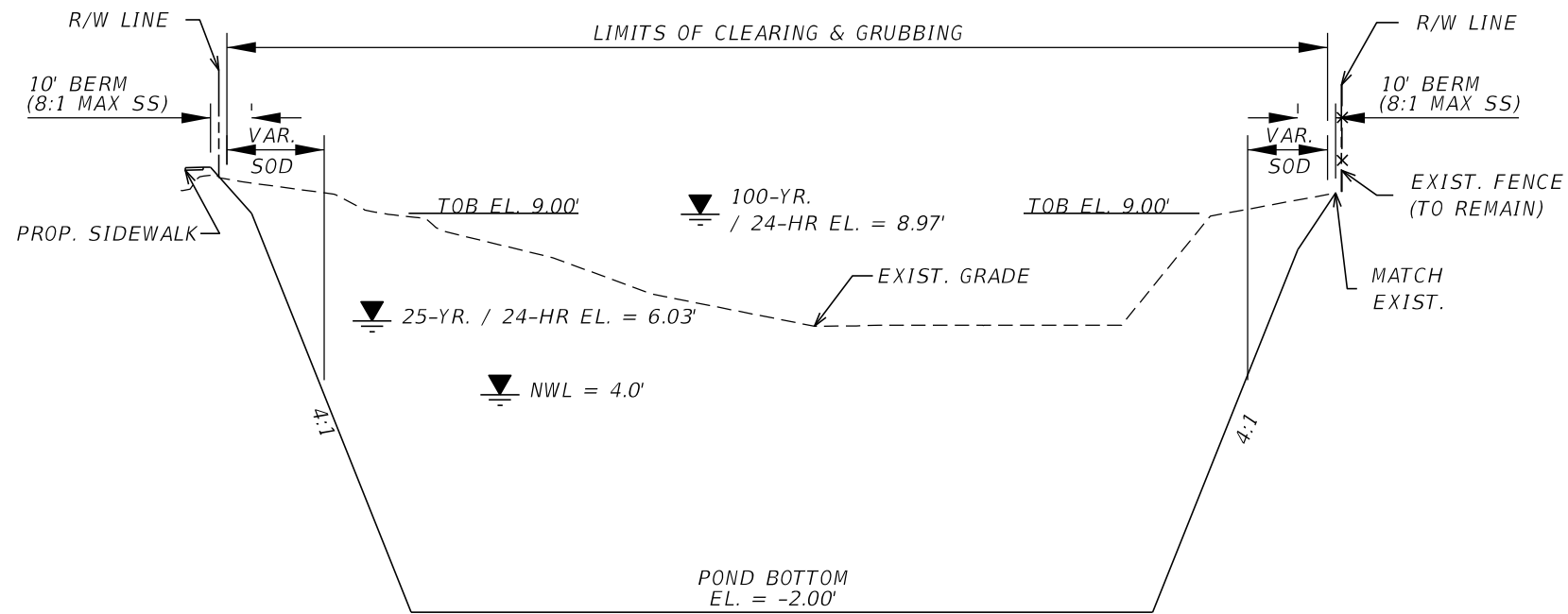
S-22

STA. 41+96.90 (39.63 RT)
CONST. DBI TYPE D (MOD.)
INDEX NO. 425-052
GRATE EL. 5.17
SLOT 0.5' X 2.0' (RT & LT)
SLOT 0.5' X 3.0' (BK & AH)
SLOT EL. 4.50 (BK, AH, RT, & LT)
FL 1.00

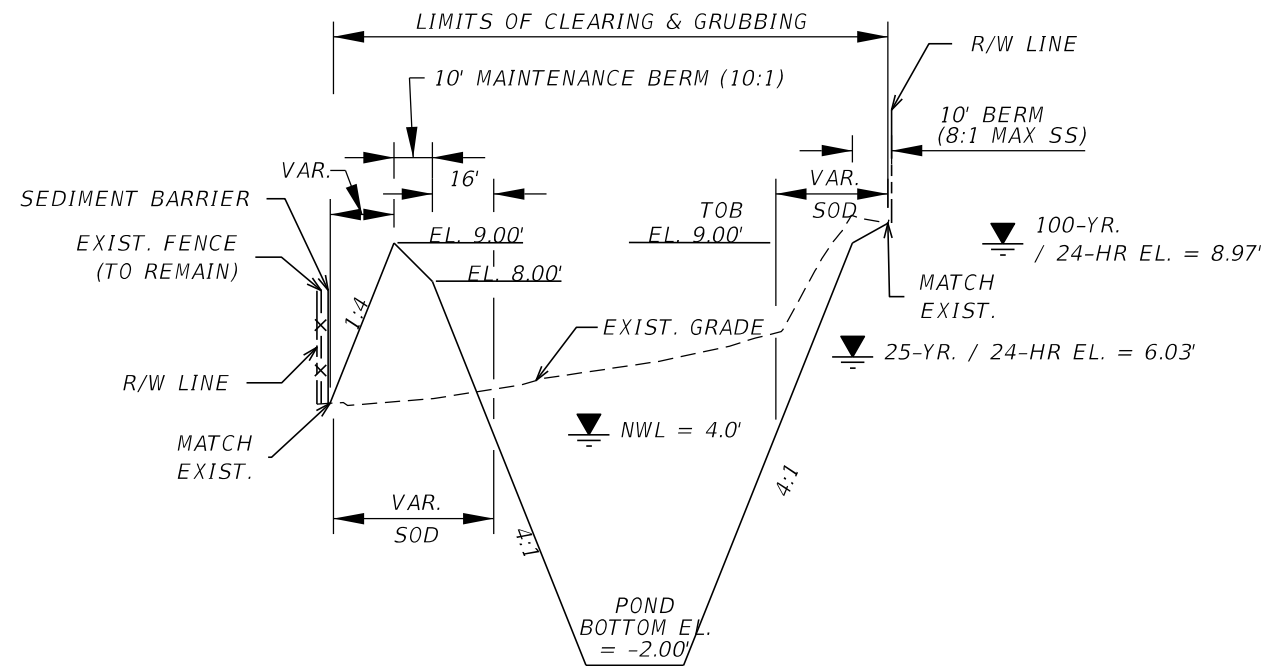


REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	POND DETAILS (3) POND-2		SHEET NO. 45
DATE	DESCRIPTION	DATE	DESCRIPTION						

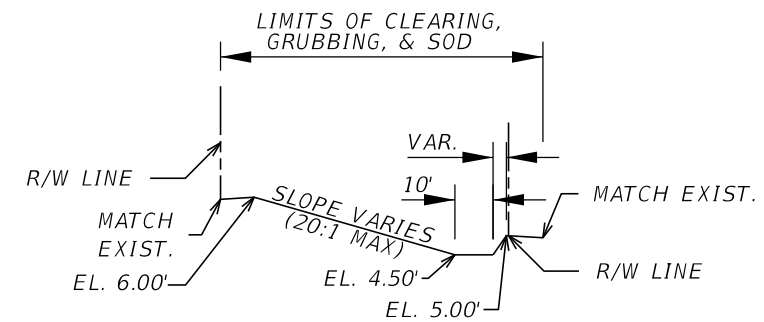
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SECTION "A-A"
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

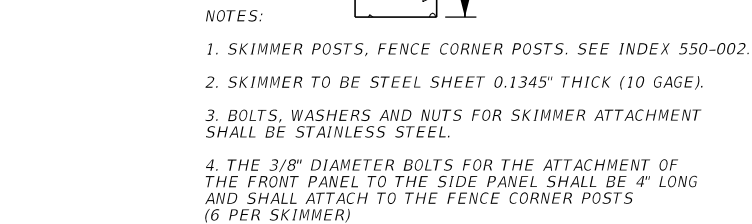


SECTION "B-B"
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL



SECTION "C-C"
 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	POND DETAILS (4) POND-2		SHEET NO. 46
DATE	DESCRIPTION	DATE	DESCRIPTION					



NTS



NTS



NTS



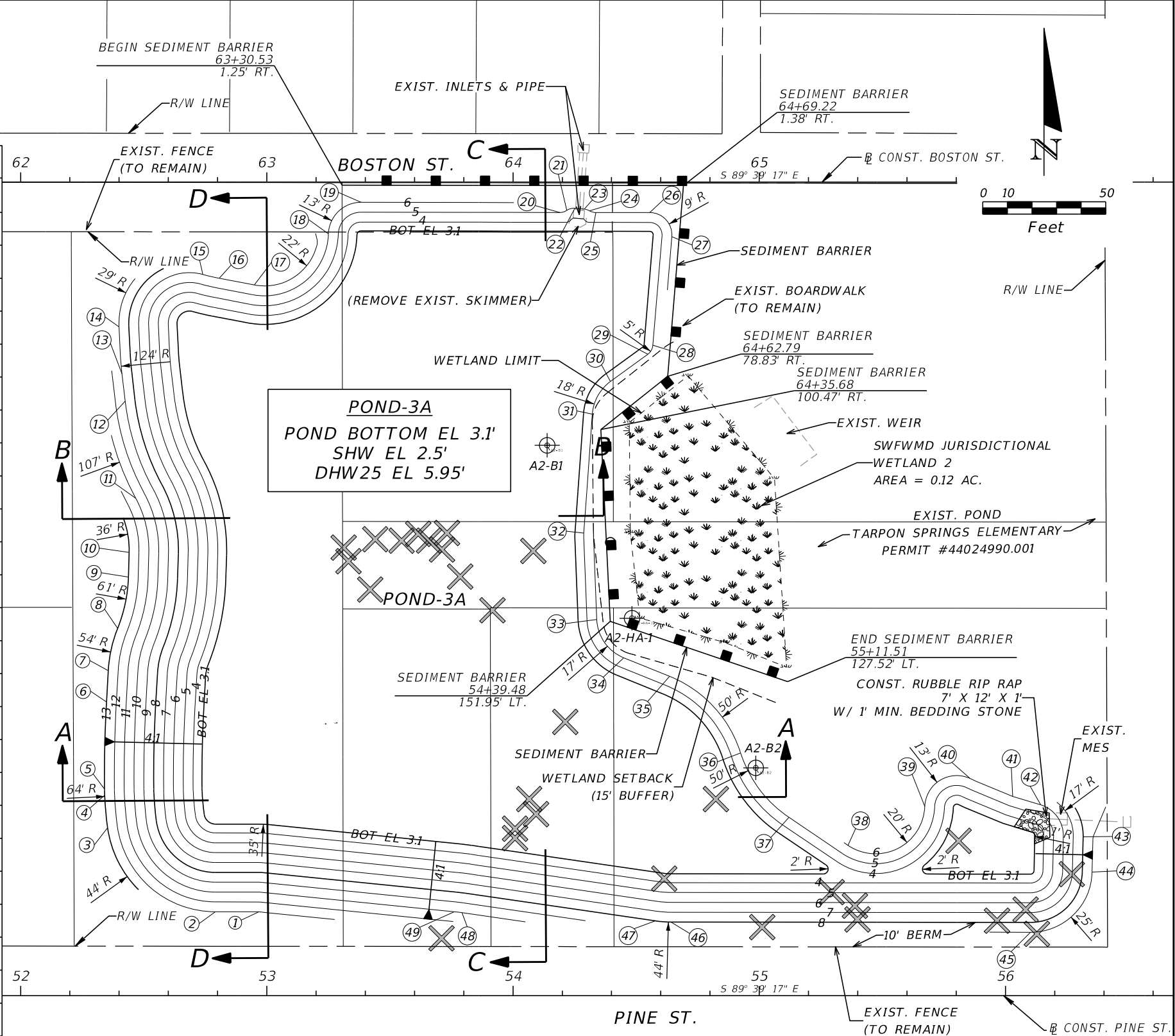
BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230



SHEET
NO.

47

POINT TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
1	52+96.82	34.04 LT	26	54+55.53	317.88 LT
2	52+79.08	34.06 LT	27	54+64.49	308.14 LT
3	52+35.34	68.17 LT	28	54+56.81	264.03 LT
4	52+34.14	81.36 LT	29	54+54.77	260.40 LT
5	52+34.08	83.90 LT	30	54+39.58	249.34 LT
6	52+34.89	119.20 LT	31	54+32.22	236.09 LT
7	52+35.61	131.97 LT	32	54+28.73	187.79 LT
8	52+39.42	149.12 LT	33	54+34.02	152.71 LT
9	52+43.77	169.96 LT	34	54+44.95	137.18 LT
10	52+44.06	179.94 LT	35	54+63.58	129.64 LT
11	52+46.76	201.92 LT	36	54+92.44	98.55 LT
12	52+42.49	241.33 LT	37	55+12.09	72.37 LT
13	52+41.18	252.45 LT	38	55+36.07	61.01 LT
14	52+39.97	271.53 LT	39	55+67.24	76.84 LT
15	52+74.03	292.76 LT	40	55+85.65	88.18 LT
16	52+80.70	291.20 LT	41	56+02.91	80.90 LT
17	52+94.91	288.48 LT	42	56+14.30	77.44 LT
18	53+25.02	309.26 LT	43	56+31.52	64.51 LT
19	53+38.23	322.04 LT	44	56+35.19	50.16 LT
20	54+19.06	317.93 LT	45	56+10.17	25.74 LT
21	54+21.87	318.79 LT	46	54+64.15	29.88 LT
22	54+25.09	319.63 LT	47	54+57.83	30.34 LT
23	54+28.91	319.31 LT	48	53+79.25	33.69 LT
24	54+31.06	318.62 LT	49	53+76.09	34.07 LT
25	54+33.62	317.91 LT			



DATE

DESCRIPTION

DATE

DESCRIPTION

REVISIONS

DATE

DESCRIPTION

BRYAN A. ANDERSON, P.E.

P.E. LICENSE NUMBER 64617

ICON CONSULTANT GROUP, INC.

10006 N. DALE MABRY HWY. SUITE 201

TAMPA, FL 33618

CERTIFICATE OF AUTHORIZATION NO. 8230

CITY OF TARPON SPRINGS

PUBLIC SERVICES DEPARTMENT

324 E. PINE STREET

TARPON SPRINGS, FL

34689

(727) 942-5610

POND DETAILS (6)

POND-3A

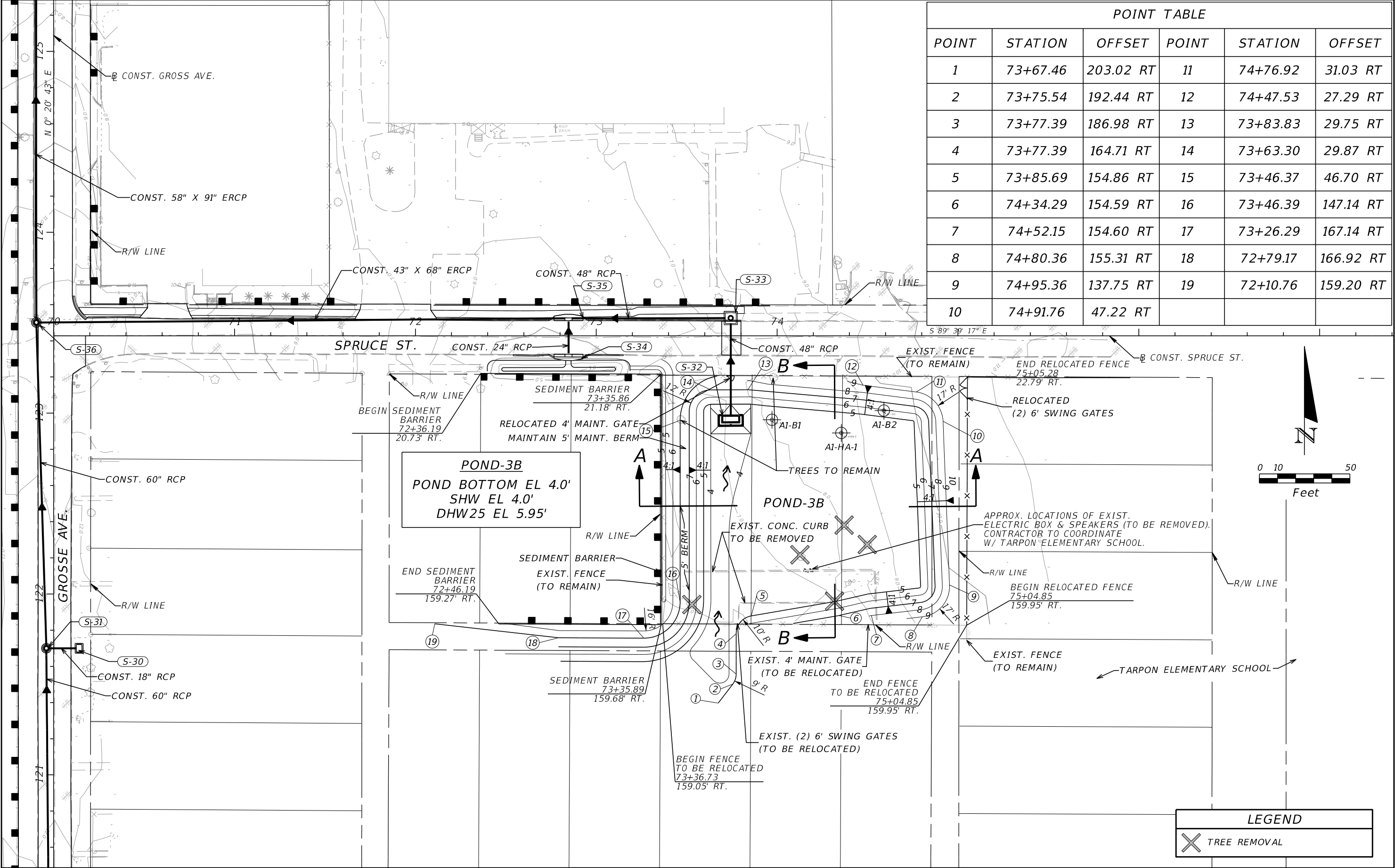
LEGEND

X TREE REMOVAL

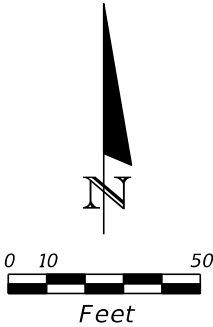
SHEET NO.

48

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POINT TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
1	73+67.46	203.02 RT	11	74+76.92	31.03 RT
2	73+75.54	192.44 RT	12	74+47.53	27.29 RT
3	73+77.39	186.98 RT	13	73+83.83	29.75 RT
4	73+77.39	164.71 RT	14	73+63.30	29.87 RT
5	73+85.69	154.86 RT	15	73+46.37	46.70 RT
6	74+34.29	154.59 RT	16	73+46.39	147.14 RT
7	74+52.15	154.60 RT	17	73+26.29	167.14 RT
8	74+80.36	155.31 RT	18	72+79.17	166.92 RT
9	74+95.36	137.75 RT	19	72+10.76	159.20 RT
10	74+91.76	47.22 RT			



LEGEND
TREE REMOVAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230

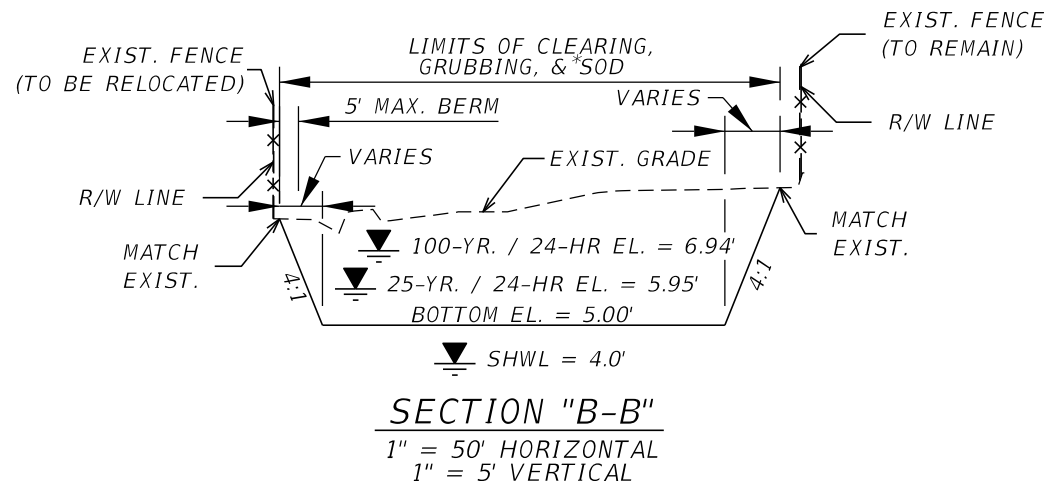
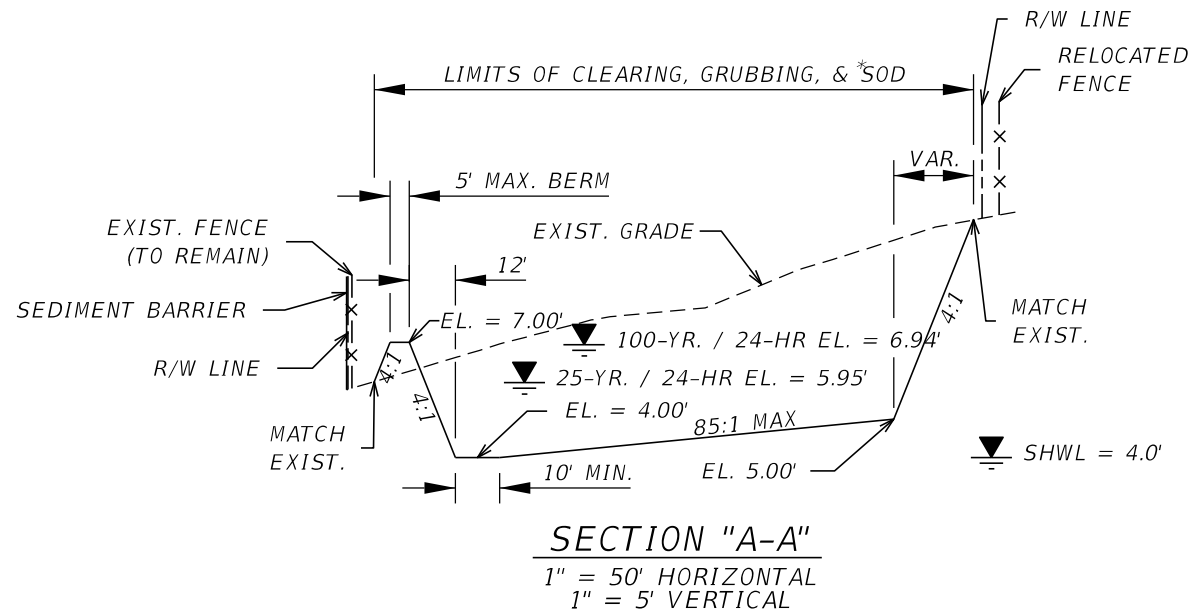


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL 34689
(727) 942-5610

POND DETAILS (8)
POND-3B

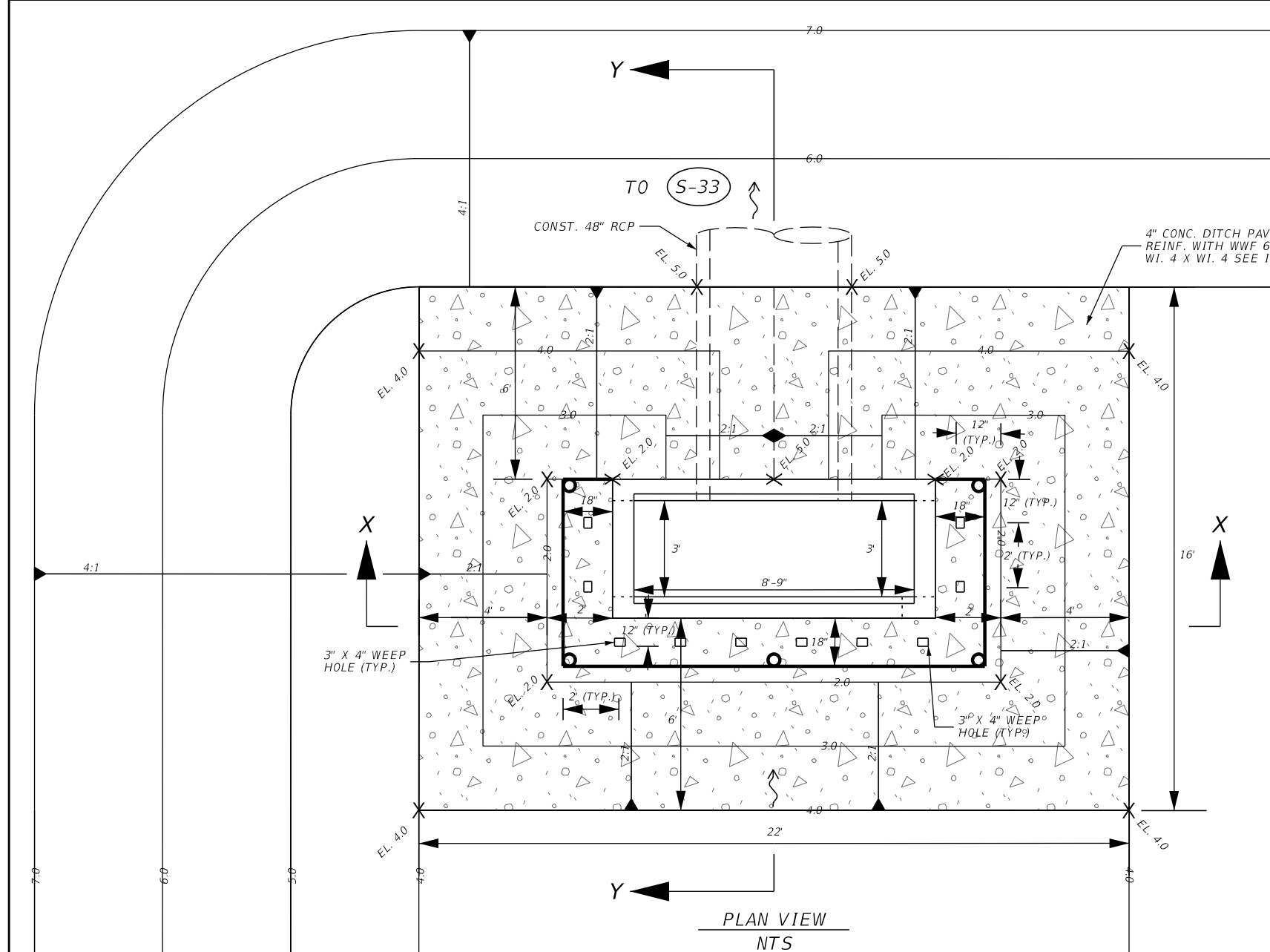
SHEET NO.
50

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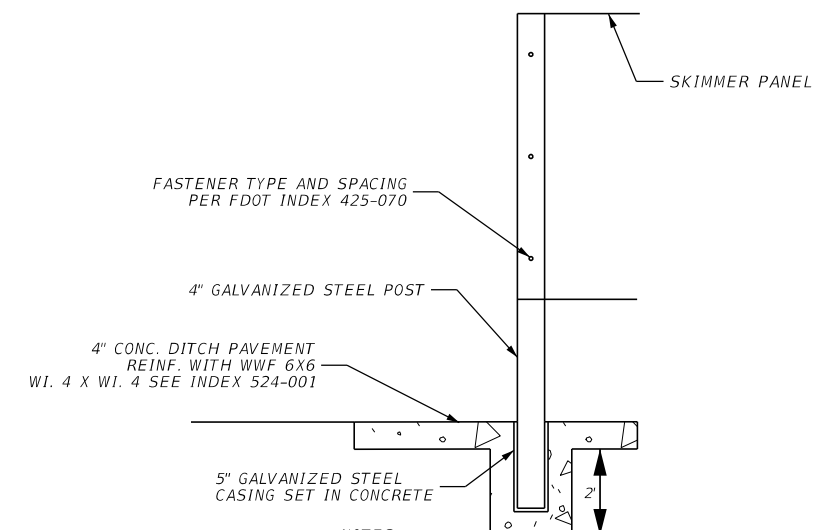
*NOTE: SOD ALL DISTURBED AREAS WITHIN POND WITH SAND SOD (NO MUCK) AS SOON AS POSSIBLE AFTER GRADING WORK IS COMPLETED

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	POND DETAILS (9) POND-3B		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
								51



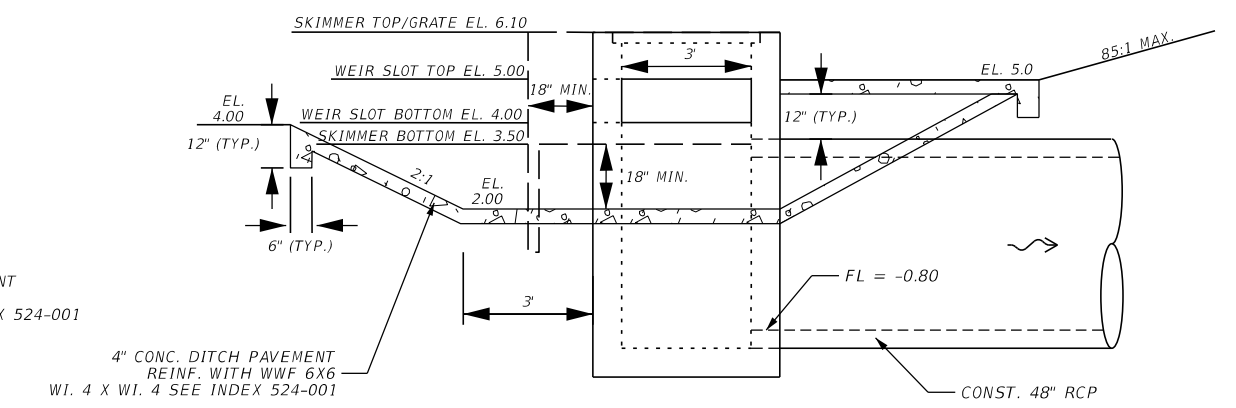
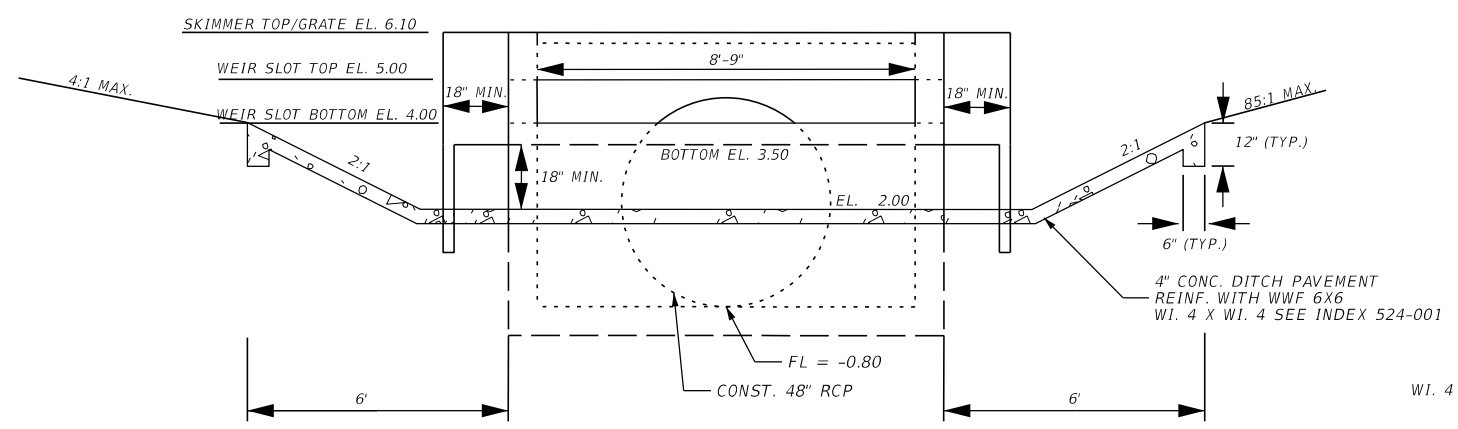
S-32

STA. 73+74 (45.97' RT.)
CONST. DBI TYPE H MOD. (4-GRATE)
INDEX NO. 425-052

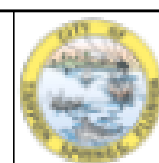


NOTES:

1. SKIMMER POSTS, FENCE CORNER POSTS. SEE INDEX 550-002.
2. SKIMMER TO BE STEEL SHEET 0.1345" THICK (10 GAGE).
3. BOLTS, WASHERS AND NUTS FOR SKIMMER ATTACHMENT SHALL BE STAINLESS STEEL.
4. THE 3/8" DIAMETER BOLTS FOR THE ATTACHMENT OF THE FRONT PANEL TO THE SIDE PANEL SHALL BE 4" LONG AND SHALL ATTACH TO THE FENCE CORNER POSTS (6 PER SKIMMER)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230			

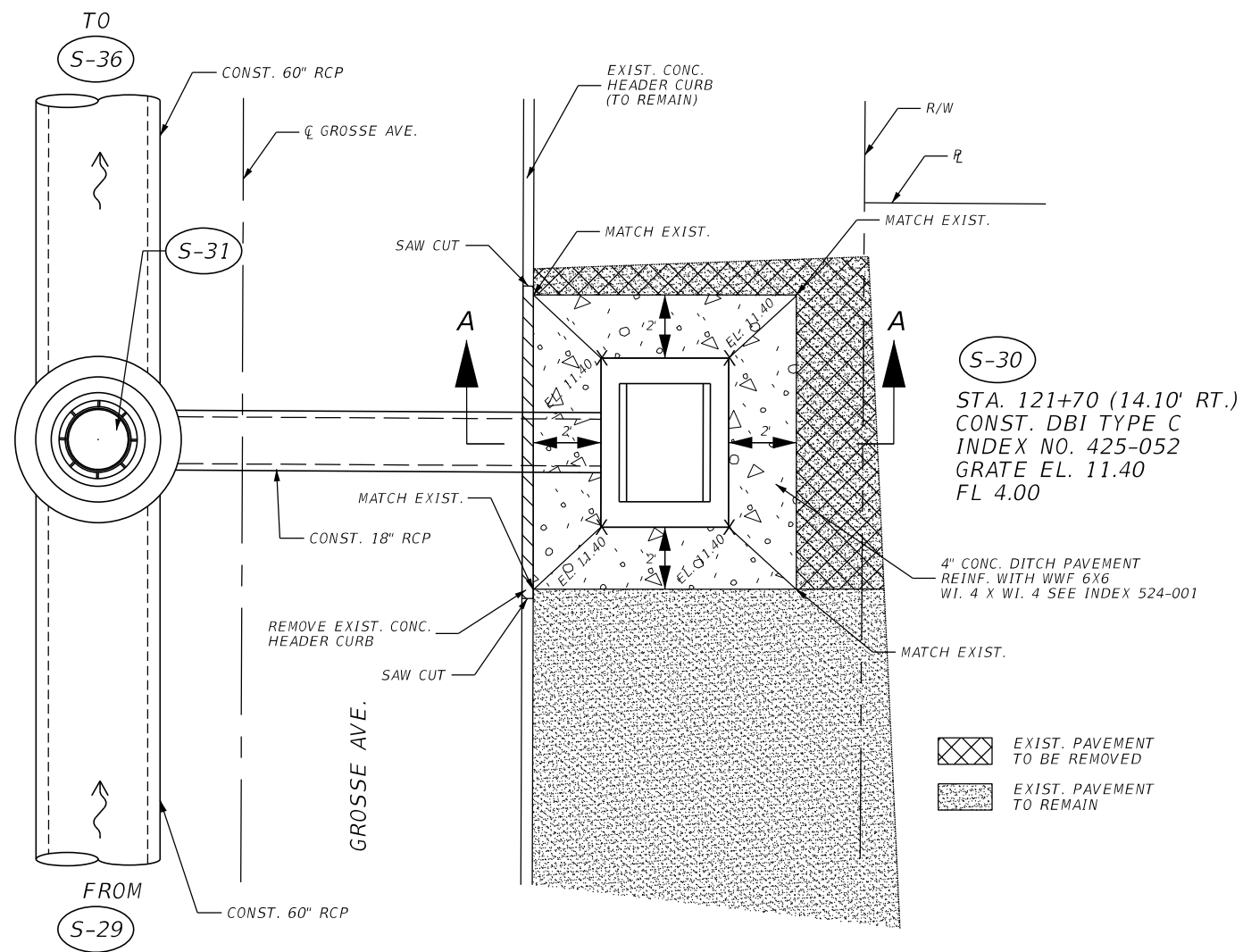


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

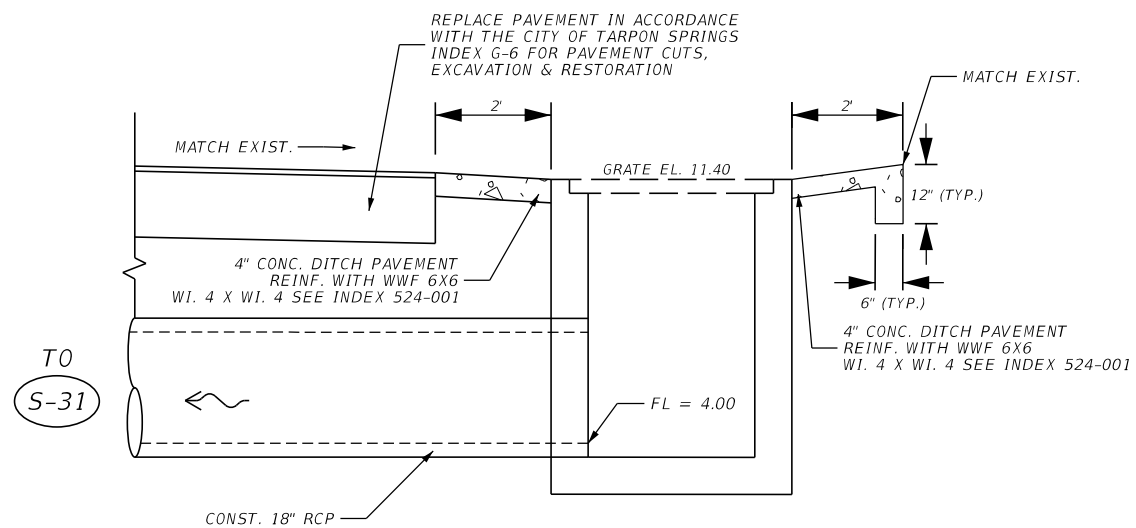
POND DETAILS (10)
POND-3B

SHEET
NO.
52

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PLAN VIEW
NTS

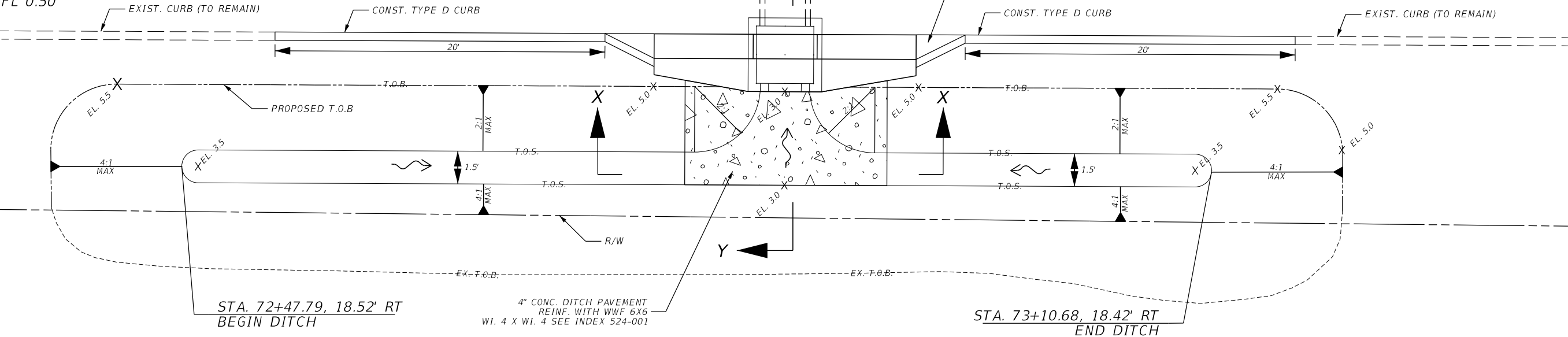


SECTION A-A
NTS

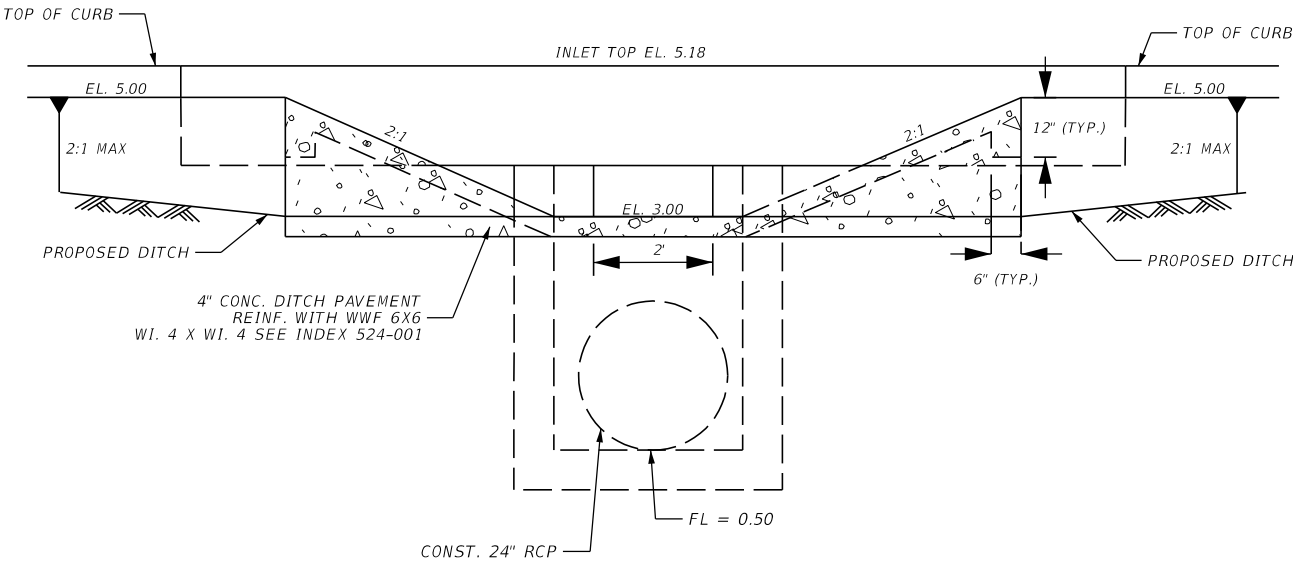
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE DETAILS (1)		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					53

S-34

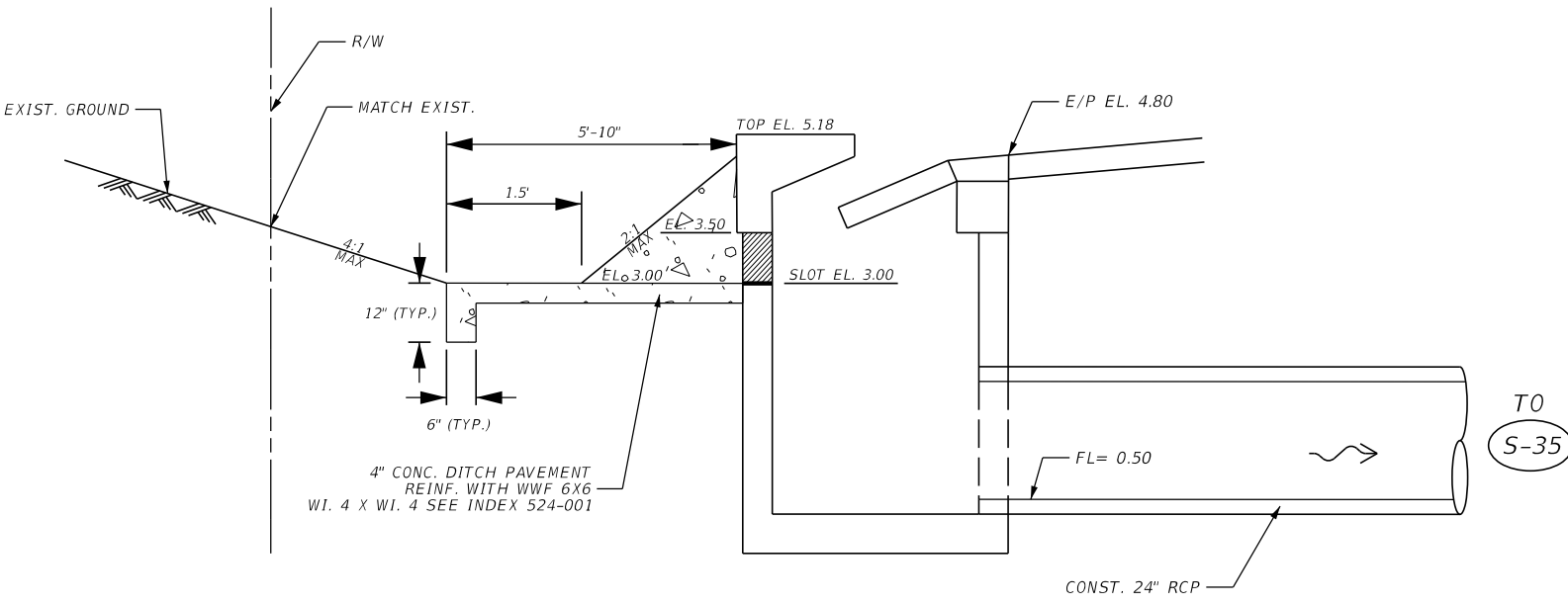
STA. 72+84.68 (11.38' RT.)
CONST. INLET TYPE P-6. (MODIFIED)
INDEX NO. 425-021
EOP EL. 4.80
SLOT (2.00' X 0.5') RT.
SLOT EL. 3.00 RT.
FL 0.50



PLAN VIEW
NTS



S-34 SECTION X-X
NTS

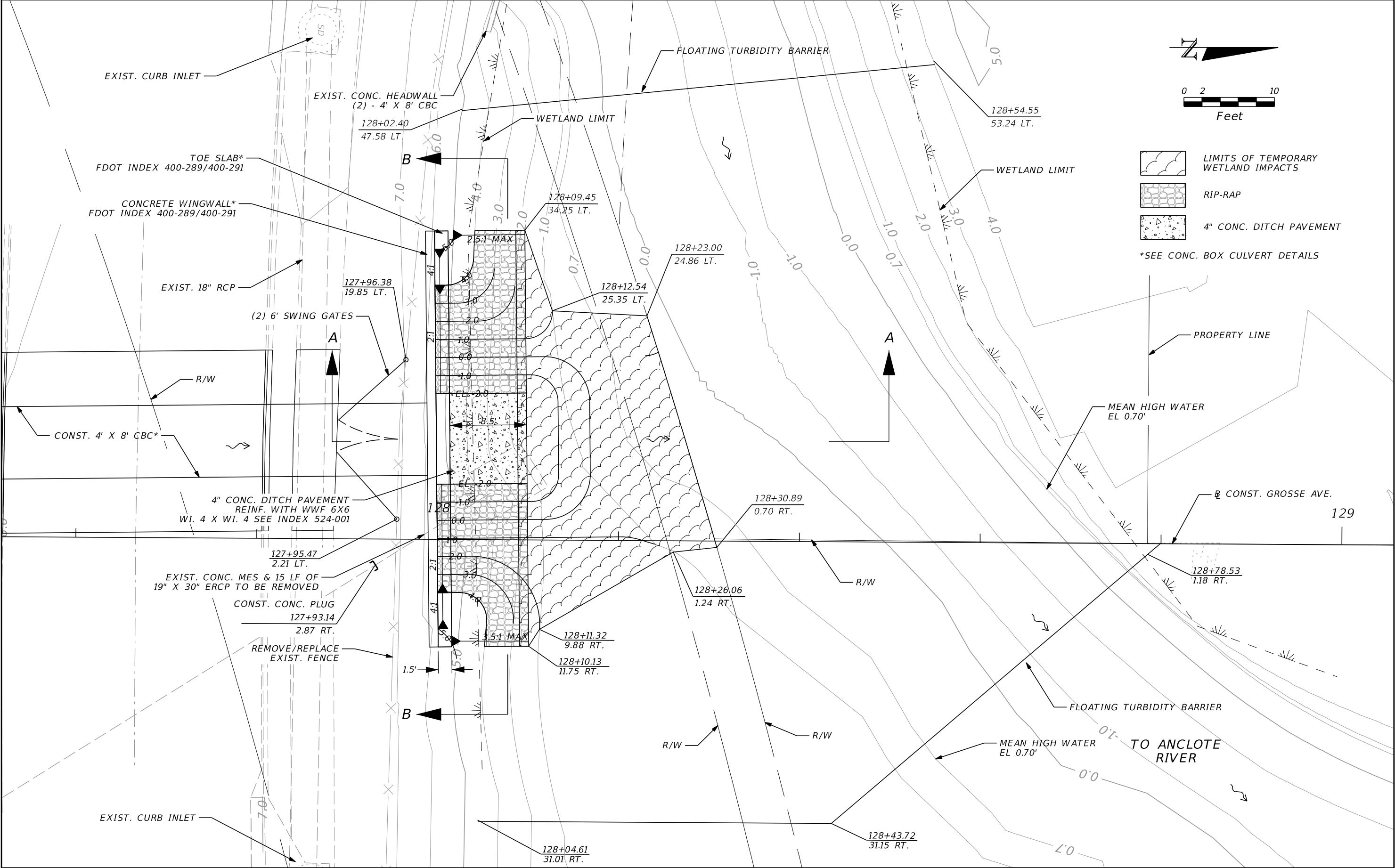


S-34 SECTION Y-Y
NTS

NOTE: SOD ALL AREAS DISTURBED BY
CONSTRUCTION, NOT OTHERWISE PAVED.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE DETAILS (2)		SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION						

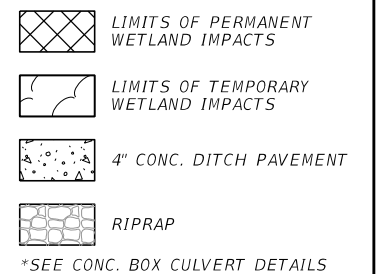
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REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE DETAILS (3)		SHEET NO. 55
DATE	DESCRIPTION	DATE	DESCRIPTION						

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: SOD ALL DISTURBED AREAS
NOT OTHERWISE PAVED.

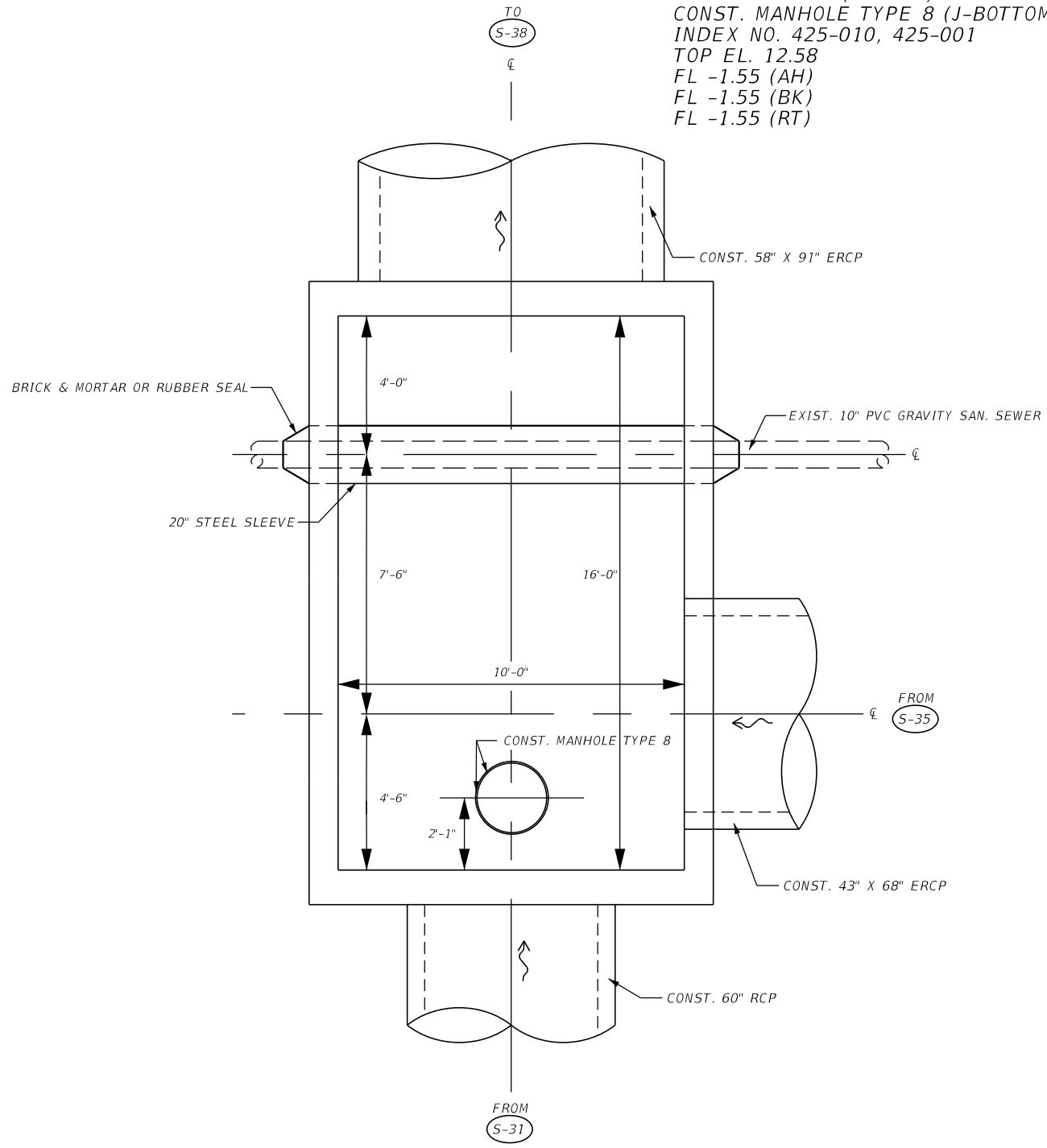


 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	<i>DRAINAGE DETAILS (4)</i>	SHEET NO.
		56

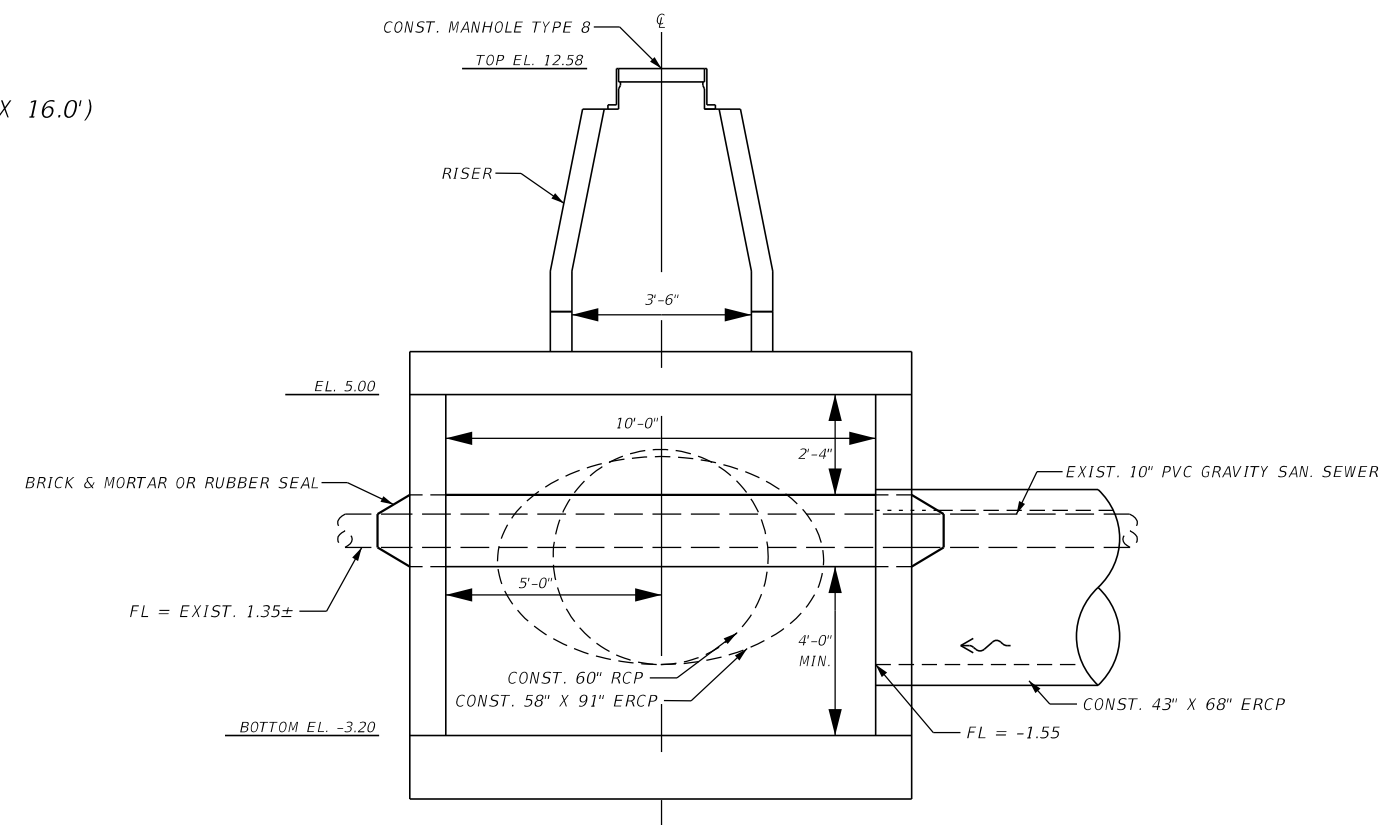
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S-36

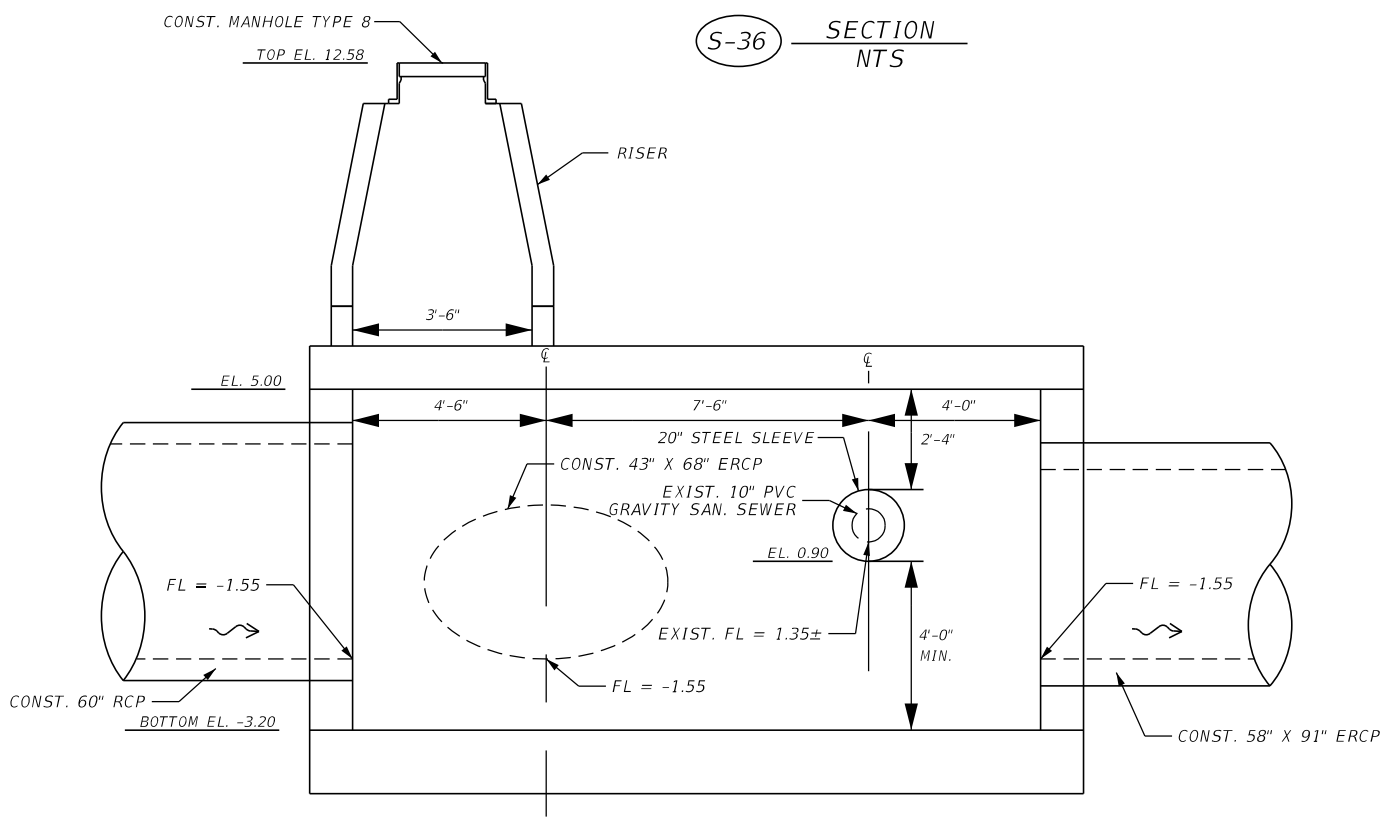
STA. 123+50.15 (9.57 LT)
CONST. MANHOLE TYPE 8 (J-BOTTOM) (10.0' X 16.0')
INDEX NO. 425-010, 425-001
TOP EL. 12.58
FL -1.55 (AH)
FL -1.55 (BK)
FL -1.55 (RT)



S-36 PLAN
NTS



S-36 SECTION
NTS



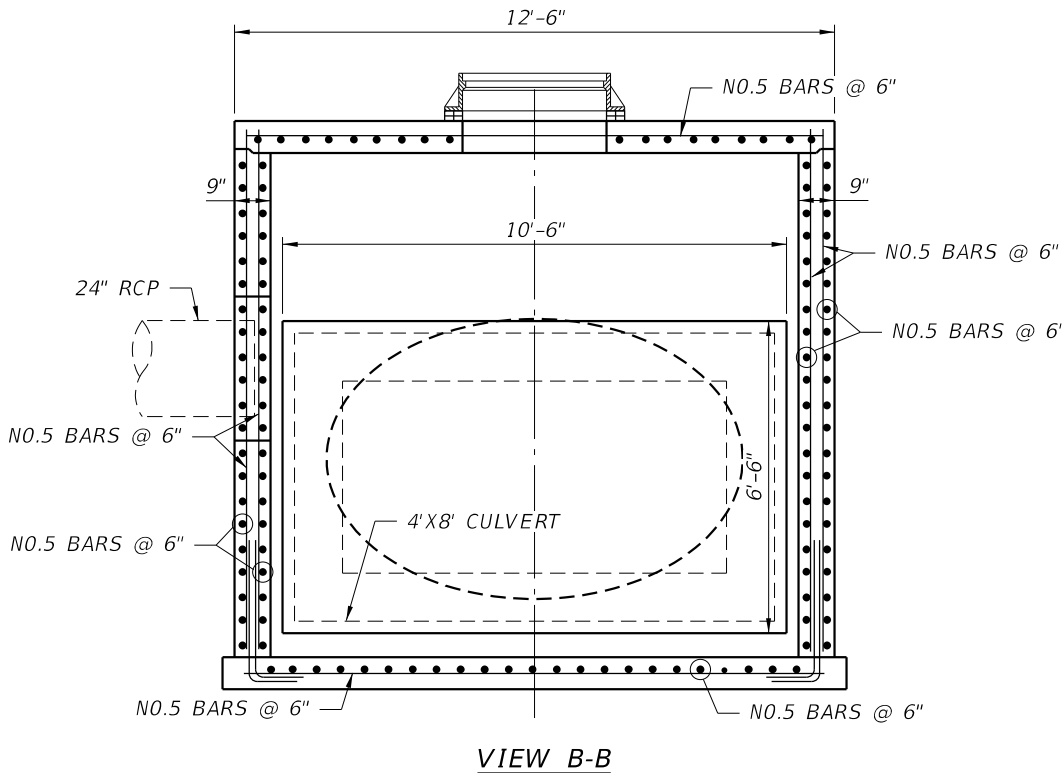
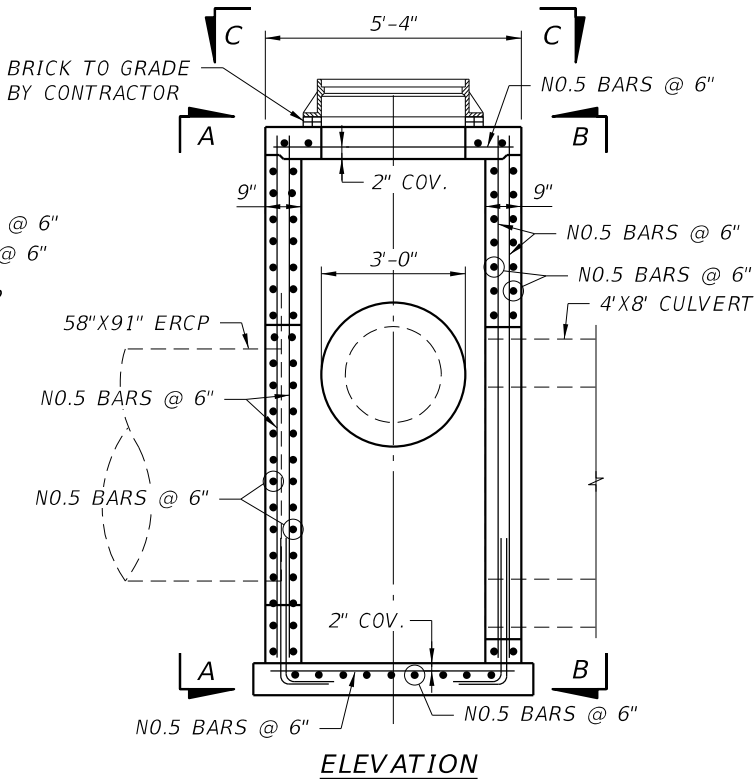
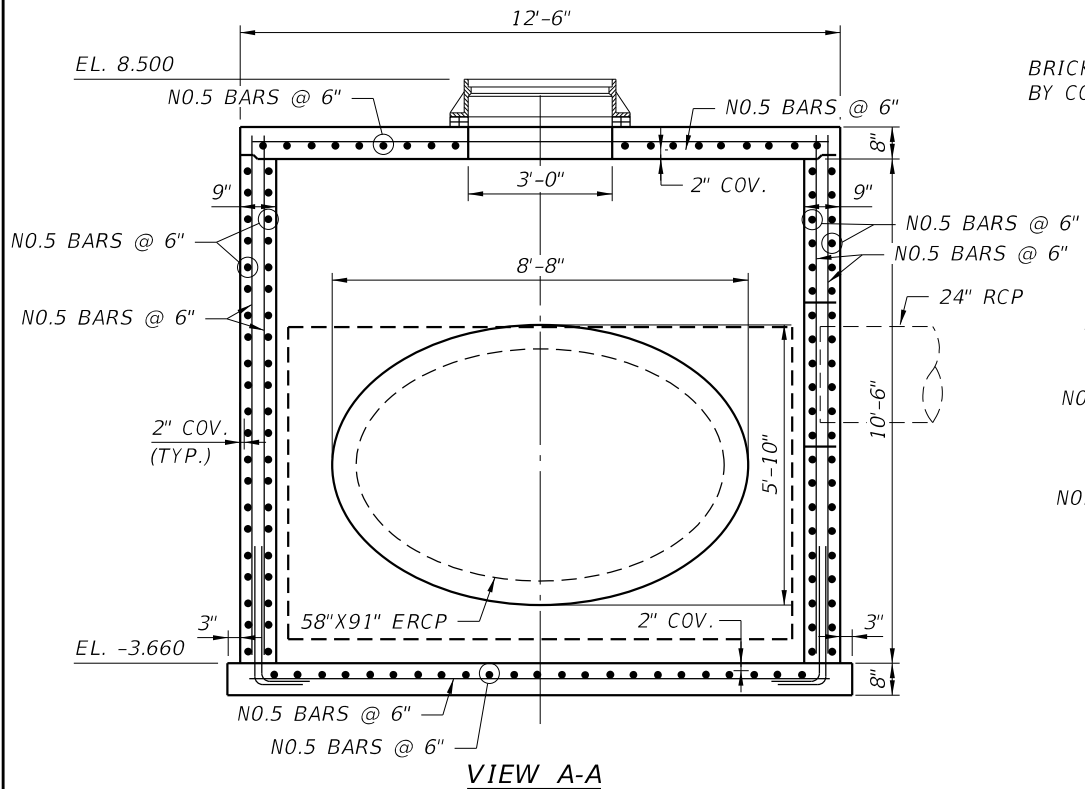
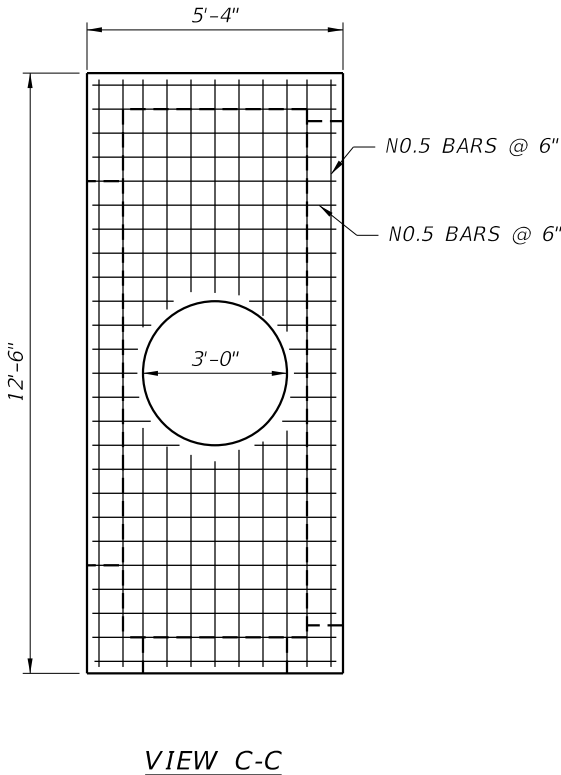
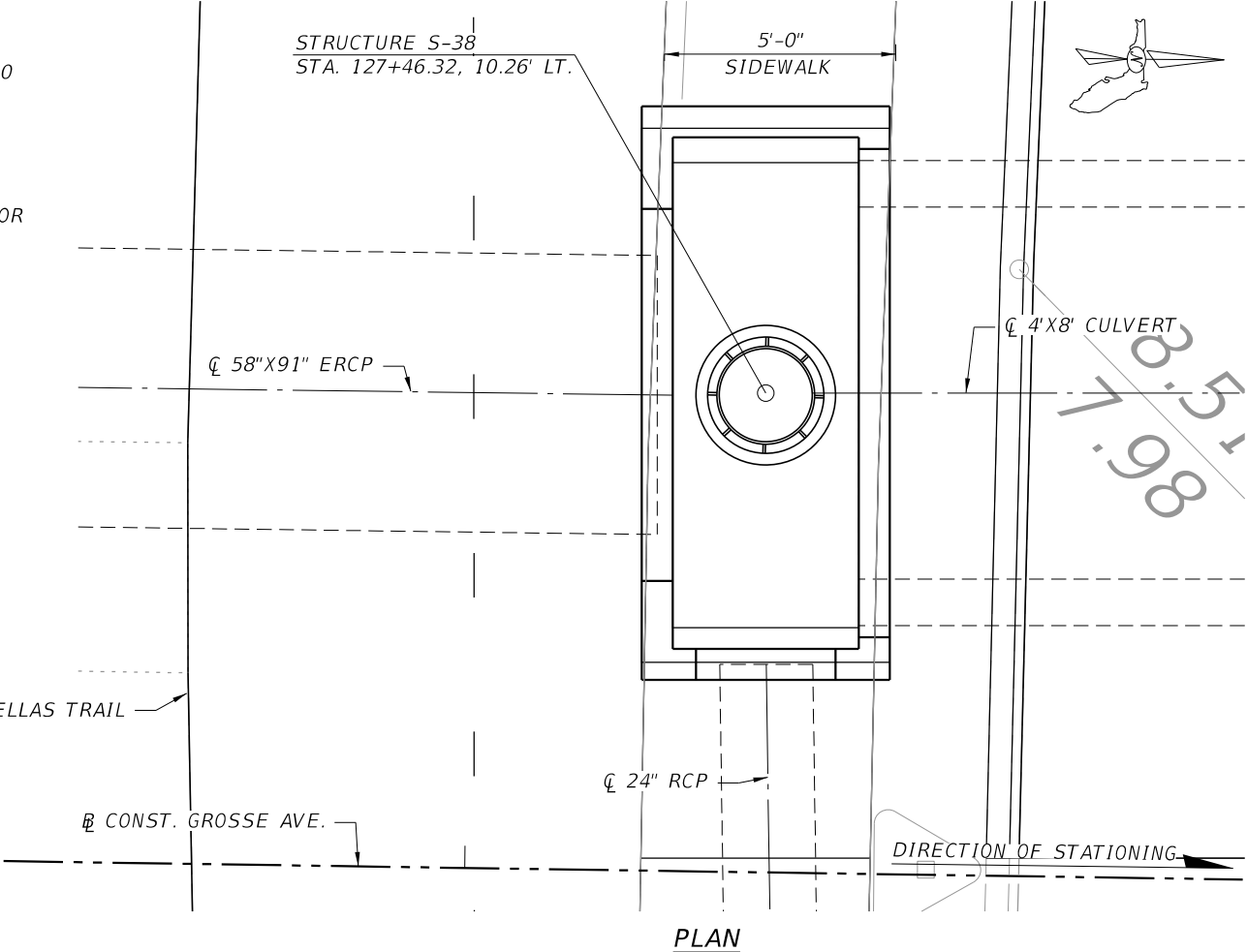
S-36 ELEVATION
NTS

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	DRAINAGE DETAILS (5)		SHEET NO. 57
DATE	DESCRIPTION	DATE	DESCRIPTION						

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTES:

1. WORK THIS SHEET WITH STANDARD PLANS INDEX 425-010 FOR ADDITIONAL NOTES AND DETAILS. THE DIMENSIONS AND REINFORCING STEEL REQUIREMENTS ON THIS SHEET IS FOR PRECAST ONLY.
2. CONCRETE SHALL BE CLASS IV (5,500 PSI).
3. REINFORCING STEEL: GRADE 60.
4. SEE SECTION B-B ON SHEET 1 OF 5 IN INDEX 425-010 FOR ADDITIONAL REBAR REQUIRED AT OPENINGS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MARK NIEDERMANN, PE
633 DARTMOUTH STREET
FBT-FLORIDA BRIDGE & TRANSPORTATION, INC.
633 DARTMOUTH STREET
ORLANDO, FL 32804
CERTIFICATE OF AUTHORIZATION 26379



CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

DRAINAGE DETAILS (6)

SHEET
NO.

58

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS PROVIDED TO ASSIST THE CONTRACTOR IN DEVELOPING THE REQUIRED SITE-SPECIFIC EROSION CONTROL PLAN AND OTHER ITEMS NECESSARY TO OBTAIN COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERIC PERMIT (CGP). REFER TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL FOR ADDITIONAL REQUIREMENTS.

1.0 SITE DESCRIPTION:

(1.A.) NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT PROPOSES DRAINAGE IMPROVEMENTS TO EXISTING STORMWATER MANAGEMENT FACILITIES LOCATED IN THE CITY OF TARPON SPRINGS, PINELLAS COUNTY. THE BASIN LIMITS FOR THE SMFS EXTEND FROM TARPON AVENUE NORTH TO THE ANCLOTE RIVER AND FROM NORTH RING AVENUE EAST TO DISSTON AVENUE. AS PART OF THE PROPOSED DRAINAGE IMPROVEMENTS TWO EXISTING PONDS ARE TO BE RE-GRADED (PONDS 1 & 3A), TWO NEW SMFS ARE TO BE EXCAVATED (PONDS 2 & 3B), AND A NEW CLOSED STORM SEWER SYSTEM WILL BE CONSTRUCTED TO CONVEY FLOWS TO THE RIVER. A NEW 4'X8' CBC OUTFALL WILL BE ADDED AT THE END OF THE STORM SEWER SYSTEM THAT WILL DISCHARGE TO THE ANCLOTE RIVER NORTH OF LIVE OAK STREET.

(1.B.) INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL PLAN, PREPARE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. FOR ADDITIONAL INFORMATION, REFER TO SECTION 4.7 OF THE NPDES CGP.

LIST OF INTENDED ACTIVITIES:

(1.B.1.) FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING OR ANY OTHER CONSTRUCTION ACTIVITIES. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(1.B.2.) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CHANGES OR WEATHER EVENTS.

(1.B.3.) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL MEASSURES DURING ALL PHASES OF CONSTRUCTION.

(1.B.4.) OFFSITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(1.C.) PROJECT AREA ESTIMATES:

TOTAL PROJECT AREA: 7.9 ACRES.
TOTAL AREA TO BE DISTURBED: 6.5 ACRES.

(1.D.) RUNOFF DATA:

RUNOFF COEFFICIENTS BEFORE Cw (B), DURING Cw (D) AND AFTER Cw (A) CONSTRUCTION.

RUNOFF COEFFICIENTS FOR:
GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.35
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40

WEIGHTED RUN-OFF COEFFICIENT:
BEFORE: Cw (B) = 0.65 DURING: Cw (D) = VARIES FROM 0.60 TO 0.65 AFTER: Cw (A) = 0.65

THE RUN-OFF COEFFICIENT Cw (D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

SOIL DATA:
THE RESULTS OF SOIL BORINGS DONE IN THE PONDS ARE SHOWN IN THE GEOTECHNICAL REPORT. IN GENERAL, THE SOILS ARE:
SOIL TYPE HYDROLOGIC GROUP DEPTH TO SHWE
4 - ASTATULA SOILS & URBAN LAND A >80"

REFERENCE: GEOTECHNICAL ENGINEERING REPORT BY TERRACON (NO. H4165103, 03/28/2017)

OUTFALL INFORMATION:

THERE IS 1 OUTFALL.

THE OUTFALL DISCHARGES INTO THE FOLLOWING BASIN:

BASIN WBID #1440 PARAMETER(S) OF CONCERN FOR MERCURY

ANCLOTE RIVER TIDAL 1440 IMPAIRED FOR MERCURY

OUTFALL LOCATION: (TEMPORARY AND PERMANENT)

DESCRIPTION DRAINAGE AREA LATITUDE/LONGITUDE RECEIVING WATERBODY
(a) 4' X 8' CBC 90.0 AC N 28° 09' 14" W 82° 45' 09" ANCLOTE RIVER

(1.E.) SITE MAP:

THE SITE MAP SHALL BE COMPRISED OF THE CONSTRUCTION PLANS AND THE CONTRACTOR'S SITE-SPECIFIC EROSION CONTROL PLAN.

(1.F) RECEIVING WATERS:

THE STORMWATER RUNOFF WITHIN THE PROJECT LIMITS WILL OUTFALL TO THE ANCLOTE RIVER AND ULTIMATELY INTO THE GULF OF MEXICO.

THIS FACILITY DOES NOT DISCHARGE TO WATERS LISTED ON THE ADOPTED FDEP VERIFIED LIST OR ADOPTED TMDL FOR IMPAIRMENT DUE TO TOTAL SUSPENDED SOLID, TURBIDITY, NUTRIENTS, DISSOLVED OXYGEN, OR FECAL COLIFORM.

WETLAND AND/OR SURFACE WATER IMPACTS SHALL BE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT.

(1.G.) STORMWATER MANAGEMENT (EXISTING/PROPOSED)

(1.G.1) EXISTING DRAINAGE FLOWS ARE TYPICALLY SOUTH TO NORTH TOWARDS THE ANCLOTE RIVER. THE PLAN-PROFILE SHEETS PROVIDE THE APPROXIMATE SLOPE, AREAS OF SOIL DISTURBANCE AND AREAS TO BE STABILIZED. UNLESS OTHERWISE APPROVED BY THE PERMITS, THE CONSTRUCTION ACTIVITIES SHALL NOT MODIFY OR AFFECT THE EXISTING OFFSITE FLOW PATTERNS.

(1.G.2.) THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

II. CONTROLS:

(II.A.) SEDIMENT AND EROSION CONTROLS

(II.A.1.) PER SECTION 5.4 OF THE NPDES CGP, STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

(II.A.2) SEDIMENT BARRIERS SHALL BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

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DATE	DESCRIPTION	DATE	DESCRIPTION					59

(II.A.3.) STRUCTURAL PRACTICES

IN THE CONTRACTOR'S SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES MAY INCLUDE THE FOLLOWING, AS APPROVED BY THE ENGINEER:

TEMPORARY DEVICES:

* SILT FENCE

* STAKED TURBIDITY BARRIERS

* SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS

* FLOATING TURBIDITY BARRIERS

* INLET PROTECTION SYSTEMS INCLUDING SYNTHETIC BALES AND SANDBAGS

* SEDIMENT BASIN/CONTAINMENT SYSTEMS

* CHEMICAL TREATMENTS SUCH AS POLYACRYLAMIDES AND ALUM

PERMANENT:

* STORMWATER PONDS

* SOD (MAY ALSO BE USED FOR TEMPORARY CONTROLS)

* VELOCITY DISSIPATION DEVICES SUCH AS RIPRAP OR OTHERS

(II.B.) WATER QUALITY MONITORING

(II.B.1.) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT, OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMITOR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

(II.B.2.) THE ENGINEER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTUs) ABOVE BACKGROUND OR GREATER THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OUTSTANDING FLORIDA WATERS (OFWs)).

(II.B.3.) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY. THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTUs ABOVE BACKGROUND OR LESS THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFWs).

(II.B.4.) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

(II.C.) DEWATERING CONTROLS

THE SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN SHALL INCLUDE A DESCRIPTION OF THE BMPs THAT WILL BE USED TO ENSURE THAT DISCHARGES OF NONCONTAMINATED GROUND WATER FROM DEWATERING OPERATIONS DO NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

(II.D.) OTHER CONTROLS

(II.D.1.) THE SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN SHALL IDENTIFY CHEMICAL AND FUEL STORAGE AREAS, MEANS OF MINIMIZING EXPOSURE TO STORMWATER, AND SPILL PREVENTION.

(II.D.2.) OFFSITE VEHICLE TRACKING & GENERATION OF DUST

IN THE SEDIMENT AND EROSION CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

(II.D.2.a.) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN.

(II.D.2.b.) REMOVING EXCESS DIRT FROM ROADS DAILY.

(II.D.2.c.) USING WATER TRUCKS DURING DUST-GENERATING ACTIVITIES.

(II.D.2.d.) SEDIMENT CONTROL MAY BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

III. MAINTENANCE

MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

(III.A.) IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.

(III.B.) SEDIMENT BARRIERS SHALL BE REPLACED WHEN IT IS NO LONGER EFFECTIVE OR AS DIRECTED BY THE ENGINEER.

(III.C.) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

(III.D.) REMOVE SEDIMENT FROM SEDIMENT BASINS WHEN IT BECOMES MORE THAN HALF THE AVAILABLE VOLUME.

IV. INSPECTION

INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD DAILY RAINFALL. QUALIFIED PERSONNEL SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL FEATURES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT THAT IS 0.5 INCHES OR GREATER. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

V. NON-STORMWATER DISCHARGES

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION. THE PLAN SHALL INCLUDE PROCEDURES FOR SPILL CONTAINMENT, REPORTING AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE CITY OF TARPON SPRINGS STREETS AND STORMWATER SUPERVISOR AT (727) 942-5610 AND THE ENGINEER. IF A RELEASE CONTAINING HAZARDOUS SUBSTANCES OCCURS, CONTACT THE FLORIDA STATE WATCH OFFICE AT 800-320-0519 OR 850-413-9911 PER SECTION 9.2 OF THE CGP.

VI. TRACKING AND REPORTING:

(VI.A.) SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.

(VI.B.) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES.

(VI.C.) USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03, FOR WEEKLY INSPECTIONS.

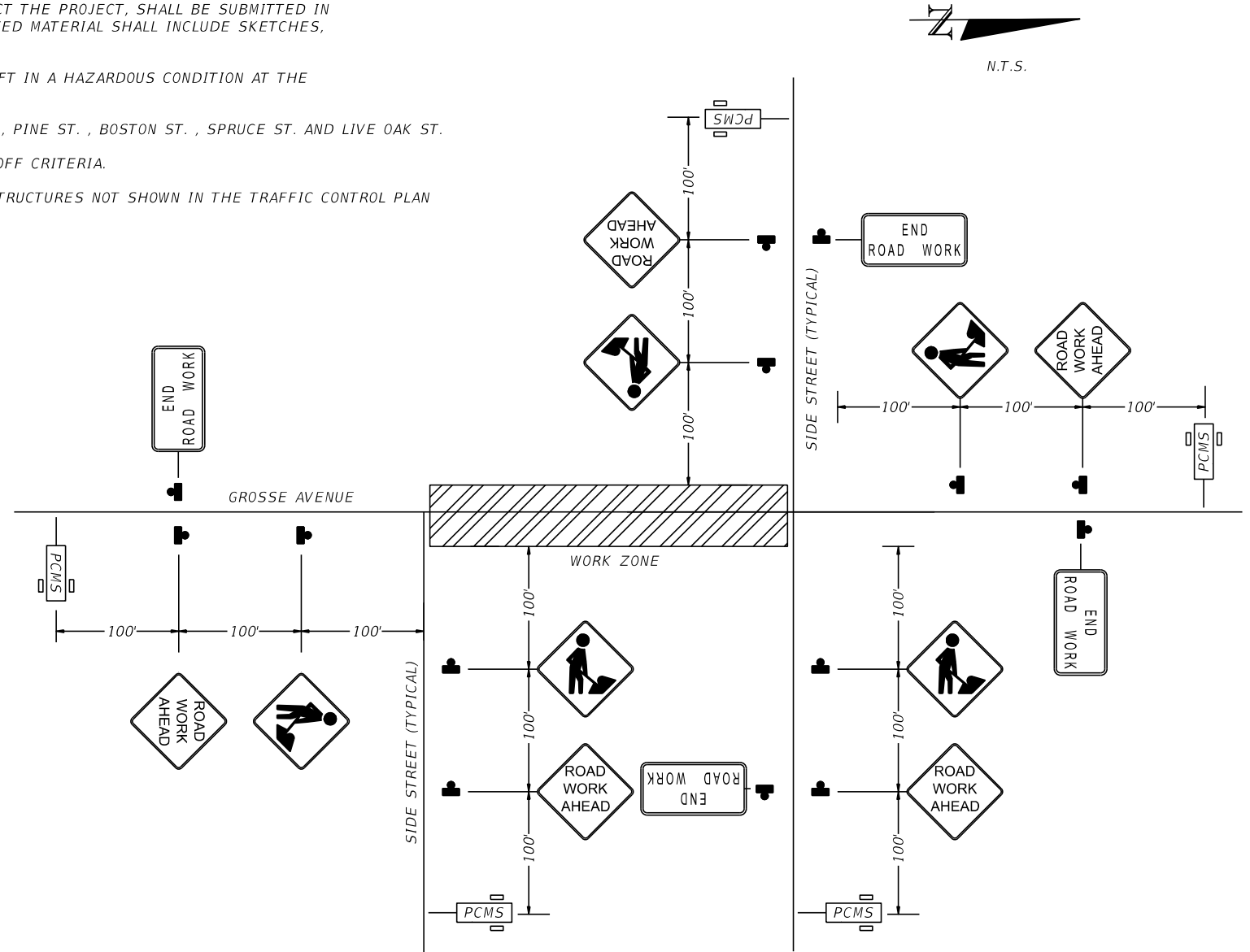
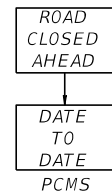
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DATE	DESCRIPTION	DATE	DESCRIPTION					60

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GENERAL NOTES

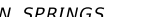
1. TRAFFIC CONTROL PLAN FOR THIS PROJECT SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS, AND INDEX 102-600, 102-601, 102-602, 102-603, 102-604.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF FIVE (5) BUSINESS DAYS NOTICE IN ADVANCE OF ANY PROPOSED LANE CLOSURES OR RESTRICTIONS.
3. LANE CLOSURES OF MORE THAN ONE BLOCK OR INTERSECTION SHALL NOT BE ALLOWED.
4. THE CONTRACTOR IS TO PROVIDE NOTIFICATION TO ALL EMERGENCY SERVICES REGARDING LANE CLOSURES AND ROADWAY DETOURS.
5. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN TRAFFIC AT ALL TIMES DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT A SAFE AND UNOBSTRUCTED ROUTE EXISTS FOR PEDESTRIANS. REFER TO FDOT DESIGN STANDARDS INDEX NO. 102-660.
6. FOR DROP-OFFS IN WORK ZONES, THE CONTRACTOR IS DIRECTED TO THE REQUIREMENTS OF FDOT DESIGN STANDARDS INDEX NO. 600. ALL TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE.
7. STORAGE OF ANY TCP DEVICES ARE NOT ALLOWED ON PUBLIC SIDEWALKS.
8. TRAFFIC DISRUPTIONS THAT ARE NOT SHOWN ON THE TRAFFIC CONTROL PLAN, BUT THAT ARE NECESSARY TO CONSTRUCT THE PROJECT, SHALL BE SUBMITTED IN WRITING TO THE ENGINEER, AND APPROVAL SHALL BE OBTAINED 21 DAYS PRIOR TO COMMENCEMENT OF WORK. SUBMITTED MATERIAL SHALL INCLUDE SKETCHES, CALCULATIONS AND OTHER DATA REQUIRED BY THE ENGINEER.
9. THE CONTRACTOR SHALL ESTABLISH A WORK SCHEDULE SO THAT ANY LOCATION UNDER CONSTRUCTION WILL NOT BE LEFT IN A HAZARDOUS CONDITION AT THE COMPLETION OF ANY WORK PERIOD.
10. THERE ARE NO LANE CLOSURE RESTRICTIONS FOR GROSSE AVE. , TARPON AVE. , ORANGE ST. , CYPRESS ST. , PENT ST. , PINE ST. , BOSTON ST. , SPRUCE ST. AND LIVE OAK ST.
11. THE CONTRACTOR IS ALERTED THAT PRE-MIXED, PRE-APPROVED STABILIZATION MAY BE NEEDED TO MEET THE DROP-OFF CRITERIA.
12. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE FOR ALL PHASES OF CONSTRUCTION. ADDITIONAL DETAILS AND STRUCTURES NOT SHOWN IN THE TRAFFIC CONTROL PLAN MAY BE NECESSARY DEPENDING UPON CONTRACTOR METHODS OF CONSTRUCTION.
13. ALL SILT FENCE AND SYNTHETIC BALES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
14. LOCATION(S) OF WORK ZONE ACCESS TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER.

NOTE:
PCMS SHALL BE PLACED 7 DAYS PRIOR TO BEGINNING OF CONSTRUCTION.



ADVANCED SIGNING DETAILS

15. THE CONTRACTOR SHALL MAINTAIN WORK LIMIT DISTANCES THAT CAN BE COMPLETED IN ONE DAY.

REVISIONS				 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	<i>TEMPORARY TRAFFIC CONTROL PLAN (1)</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			61

INTENT OF SEQUENCE OF CONSTRUCTION

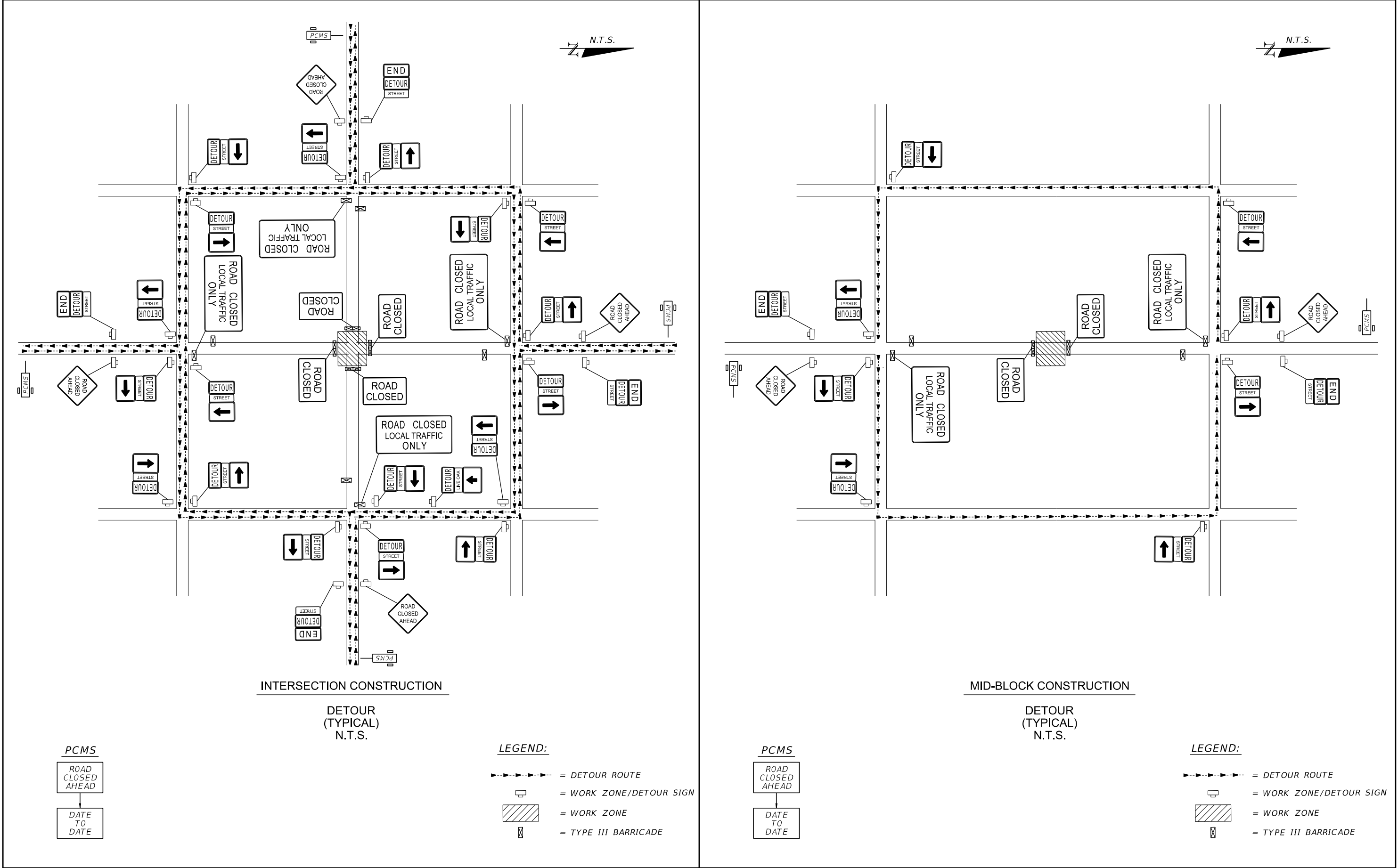
1. MAINTAIN TRAFFIC ALONG EXISTING FACILITY. ERECT ADVANCE CONSTRUCTION IDENTIFICATION SIGNS, WARNING DEVICES AND WARNING LIGHTS PER THE TEMPORARY TRAFFIC CONTROL PLAN AND FDOT DESIGN STANDARDS INDEX NOS. 102-600, 102-602 AND 102-603.
2. INSTALL TEMPORARY EROSION CONTROL DEVICES.
3. CONCRETE BOX CULVERT CONSTRUCTION

3A. MAINTAIN TRAFFIC IN ACCORDANCE WITH LIVE OAK STREET AND PINELLAS TRAIL TRAFFIC CONTROL. CONSTRUCT STRUCTURE S-38 AND PIPE UNDER FRED MARQUIS PINELLAS TRAIL. CONSTRUCT PIPE BETWEEN STRUCTURE S-37 AND S-38. MAINTAIN EXISTING STORM SEWER SYSTEM.

3B. MAINTAIN TRAFFIC IN ACCORDANCE WITH LIVE OAK STREET AND PINELLAS TRAIL TRAFFIC CONTROL. CONSTRUCT CONCRETE BOX CULVERT AND PROPOSED EROSION CONTROL (RIP RAP AND CONCRETE DITCH PAVEMENT) AS SHOWN IN DRAINAGE DETAILS. CONSTRUCT STRUCTURE S-37.
4. CONSTRUCT DRAINAGE ON GROSSE AVENUE FROM STRUCTURE S-38 TO S-20, ASPHALT RECONSTRUCTION AND CONCRETE SIDEWALK. CONSTRUCT POND 1, POND 2, POND 3A, AND POND 3B.
5. CONSTRUCT SPRUCE STREET DRAINAGE, ASPHALT RECONSTRUCTION AND CONCRETE SIDEWALK.
6. CONSTRUCT PENT STREET DRAINAGE, BRICK STREET RECONSTRUCTION AND CONCRETE SIDEWALK.
7. CONSTRUCT POND 2 OUTFALL, GROSSE AVENUE DRAINAGE FROM CYPRESS STREET TO TARPON AVENUE, ASPHALT RECONSTRUCTION AND CONCRETE SIDEWALK.
8. CONSTRUCT CYPRESS STREET DRAINAGE, ASPHALT RECONSTRUCTION AND CONCRETE SIDEWALK.
9. CONSTRUCT ORANGE STREET AND TARPON AVENUE DRAINAGE, ASPHALT RECONSTRUCTION, AND CONCRETE SIDEWALK.
10. CONFORM TO FDOT DESIGN STANDARDS INDEX NOS. 102-600, 102-602, 102-603, 102-604, 102-605, AND 102-660 DURING DRAINAGE, ASPHALT, POND AND SIDEWALK CONSTRUCTION.
11. CONSTRUCT SIGNING AND PAVEMENT MARKINGS.
(CONFORM TO FDOT DESIGN STANDARDS INDEX NOS. 102-600, 102-602, 102-603, 102-604, 102-605, AND 102-660.)

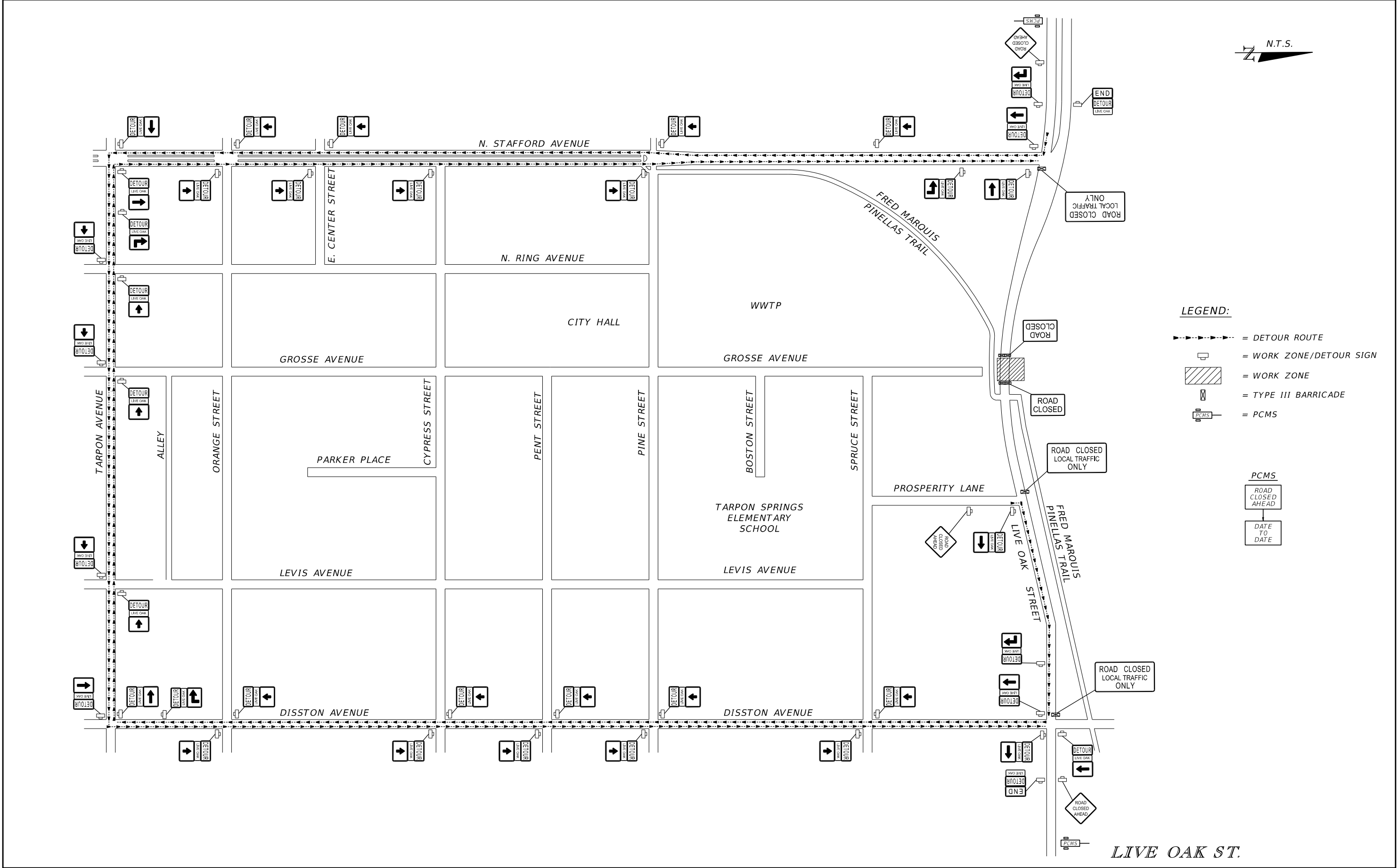
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	TEMPORARY TRAFFIC CONTROL PLAN (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					62

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

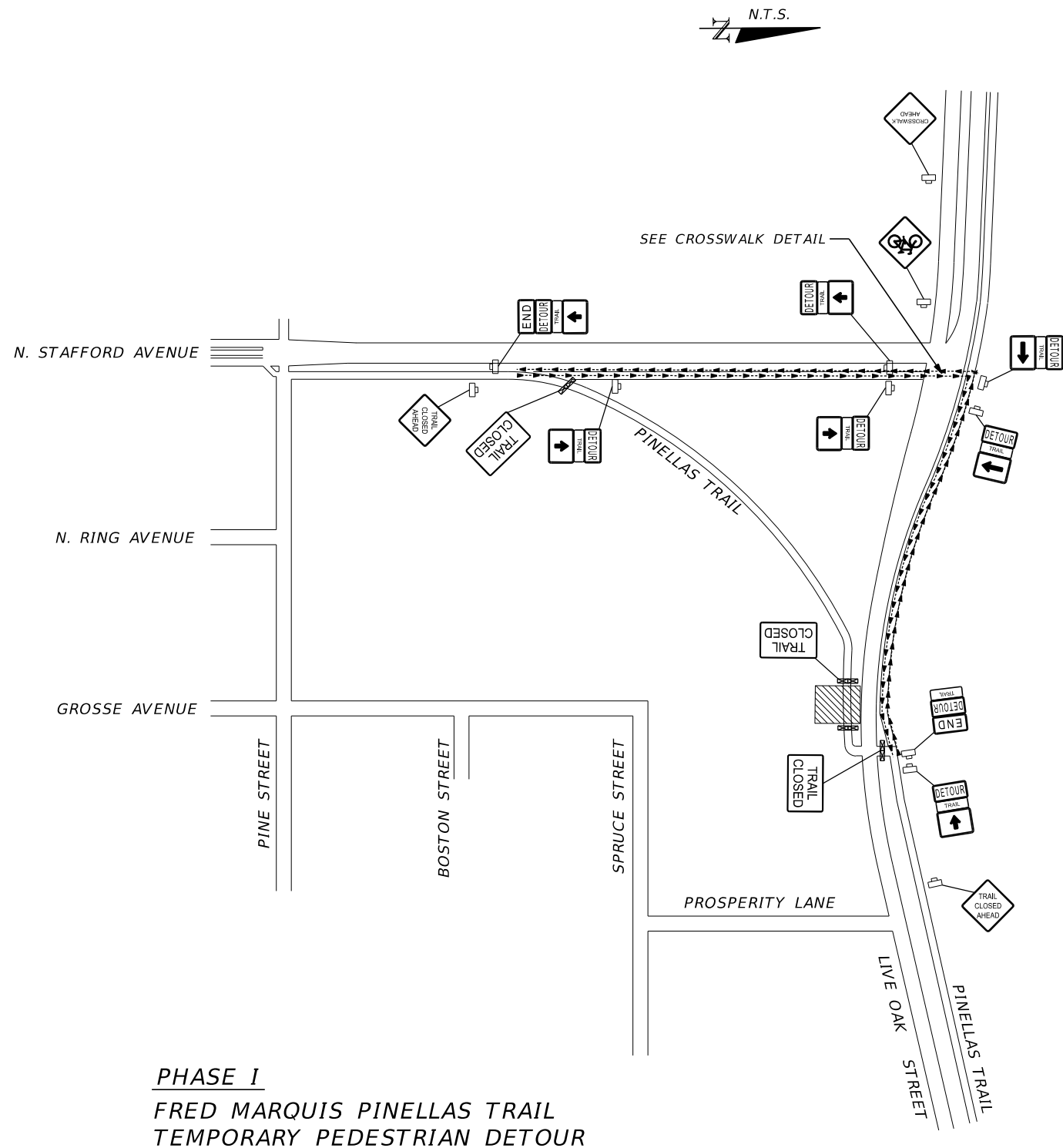


REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	TEMP. TRAFFIC CONTROL DETOUR		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					63

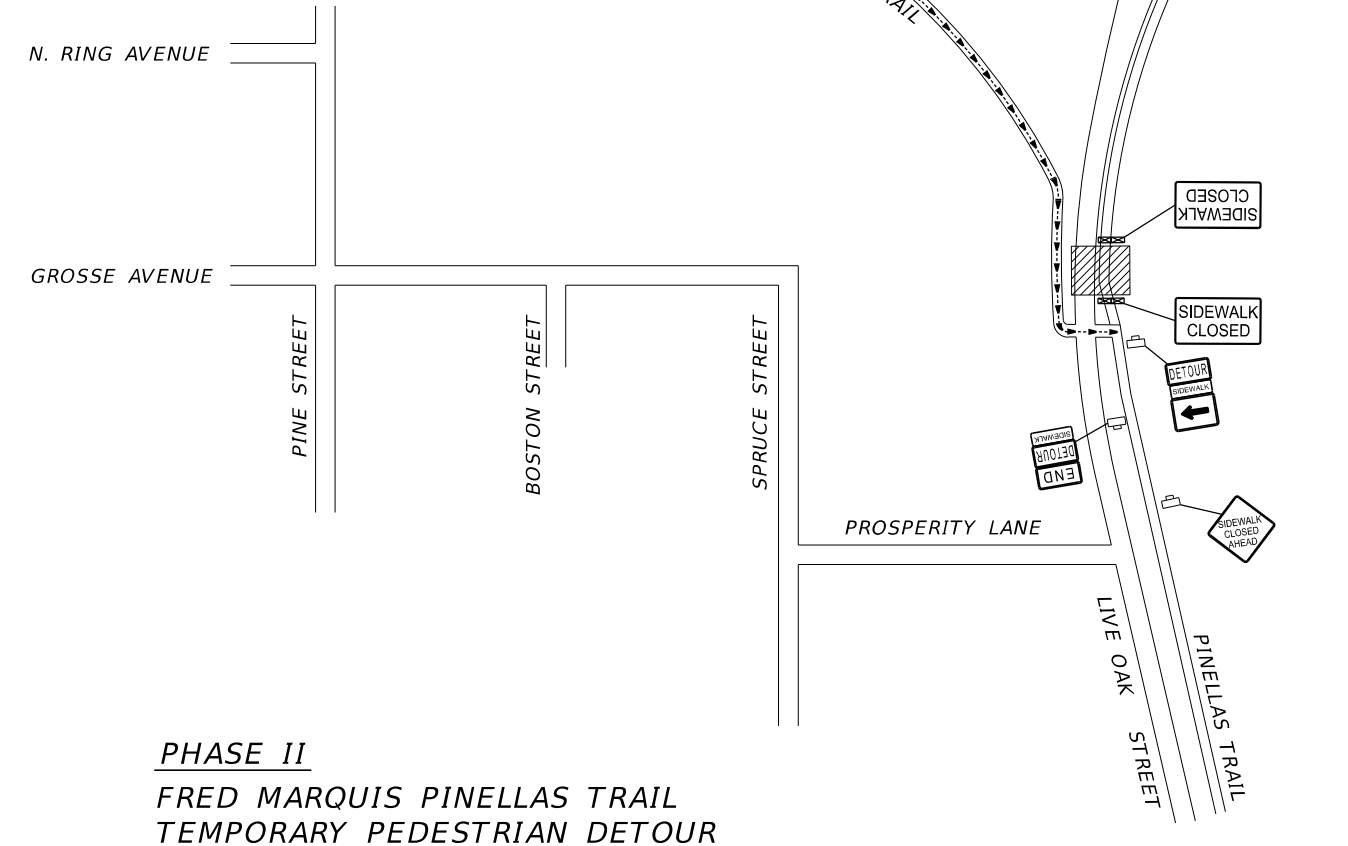
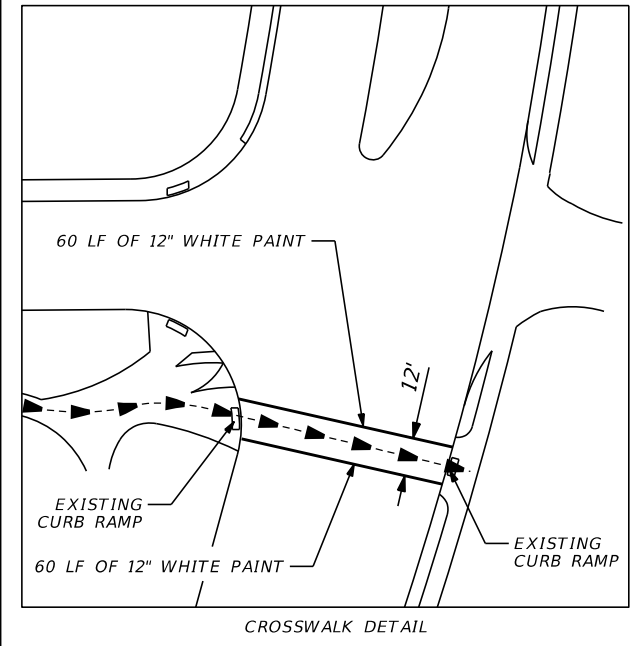
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DATE	DESCRIPTION	DATE	DESCRIPTION						64



- LEGEND:**
- = TRAIL / SIDEWALK DETOUR ROUTE
 - = WORK ZONE/DETOUR SIGN
 - = WORK ZONE
 - = TYPE III BARRICADE



- LEGEND:**
- = TRAIL / SIDEWALK DETOUR ROUTE
 - = WORK ZONE/DETOUR SIGN
 - = WORK ZONE
 - = TYPE III BARRICADE

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230
DATE	DESCRIPTION	DATE	DESCRIPTION	



CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL 34689
(727) 942-5610

**TEMP. TRAFFIC CONTROL
DETOUR**

SHEET NO.
65

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BOX CULVERT DATA TABLES

BOX, HEADWALL AND CUTOFF WALL DATA TABLE (INCHES UNLESS SHOWN OTHERWISE)																			TABLE DATE 7-01-09	
LOCATION	STRUCTURE /BRIDGE NUMBER	BOX									HEADWALL AND CUTOFF WALL									
		WC(FT)	HC(FT)	TT	TW	TB	TI	#CELLS	LC(FT)	COVER	BLHW	HLHW	BRHW	HRHW	BLCW	HLCW	BRCW	HRCW	SL(DEG)	SR(DEG)
STA. 127+48.47, 10.34' LT TO STA. 127+99.95, 11.10' LT	1	8	4	12	10	12	10	1	51.5	3	0	0	12	48	0	0	12	24	0	0

LEFT SIDE WINGWALLS DATA TABLE (INCHES UNLESS SHOWN OTHERWISE)																	TABLE DATE 01-01-11		
STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL									LEFT BEGIN WINGWALL									
	RT	RW	RH	RD	SW(DEG)	B (DEG)	HE(FT)	HS(FT)	LW(FT)	RT	RW	RH	RD	SW(DEG)	B (DEG)	HE(FT)	HS(FT)	LW(FT)	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

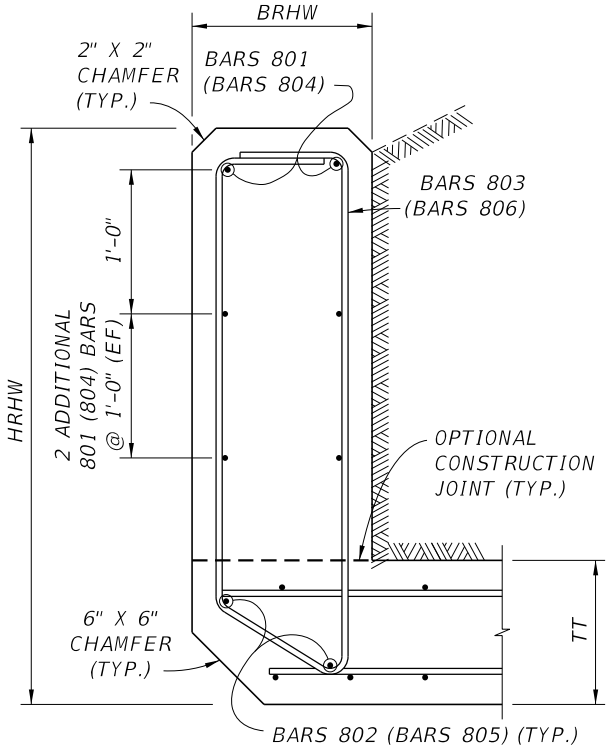
RIGHT SIDE WINGWALLS DATA TABLE (INCHES UNLESS SHOWN OTHERWISE)																	TABLE DATE 01-01-11	
STRUCTURE /BRIDGE NUMBER	RIGHT END WINGWALL									RIGHT BEGIN WINGWALL								
	RT	RW	RH	RD	SW(DEG)	B (DEG)	HE(FT)	HS(FT)	LW(FT)	RT	RW	RH	RD	SW(DEG)	B (DEG)	HE(FT)	HS(FT)	LW(FT)
1	36	12	60	12	90	26.6	8	8	19	36	12	60	12	90	26.6	8	8	19

ESTIMATED CONCRETE QUANTITIES (CY)																			TABLE DATE 7-01-13		
STRUCTURE /BRIDGE NUMBER	BOX								LEFT END WINGWALL			LEFT BEGIN WINGWALL			RIGHT END WINGWALL			RIGHT BEGIN WINGWALL			
	LEFT CUTOFF WALL	RIGHT CUTOFF WALL	BOTTOM SLAB	WALLS	TOP SLAB	LEFT HEAD WALL	RIGHT HEAD WALL	SUB TOTAL	FOOT ING	WALL	SUB TOTAL	FOOT ING	WALL	SUB TOTAL	FOOT ING	WALL	SUB TOTAL	FOOT ING	WALL	SUB TOTAL	
1	0	0.358	19.7	13.2	19.2	0	1.07	53.6	0	0	0	0	0	0	7.04	5.63	12.7	7.04	5.63	12.7	

MAIN STEEL REINFORCEMENT SPACING (INCHES)																		TABLE DATE 7-01-09	
STRUCTURE /BRIDGE NUMBER	BOX															HEADWALLS		CUTOFF WALLS	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115, 116...	803	806	809	812
1	6	6	6	6	6	6	12	12	12	12	12	12	12	12	12	1	12	1	12

WINGWALL STEEL REINFORCEMENT SPACING (INCHES)																											TABLE DATE 7-01-09	
STRUCTURE /BRIDGE NUMBER	LEFT END WINGWALL							LEFT BEGIN WINGWALL							RIGHT END WINGWALL							RIGHT BEGIN WINGWALL						
	401 407(8)	402 (403)	404 (405)	406	409	410	411	501 507(8)	502 (503)	504 (505)	506	509	510	511	601 607(8)	602 (603)	604 (605)	606	609	610	611	701 707(8)	702 (703)	704 (705)	706	709	710	711
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	12	12	6	12	12	6	12	12	12	6	12	12

WINGWALL NOTE: BAR DESIGNATIONS IN "()" ARE ONLY REQUIRED FOR VARIABLE HEIGHT WINGWALLS.



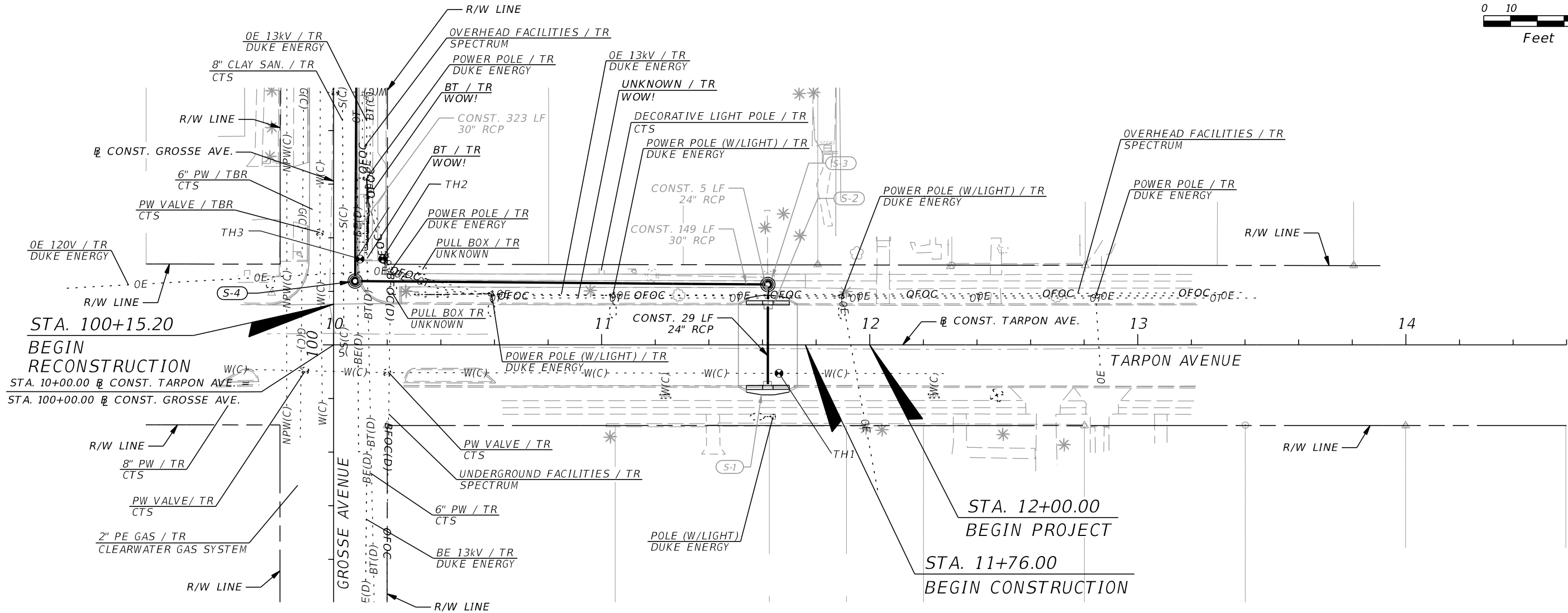
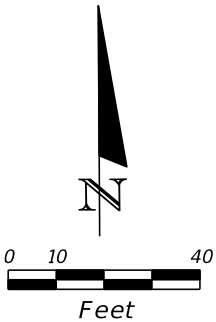
DETAIL "J" (MODIFIED)
RIGHT HEADWALL SECTION

- NOTES:
- ENVIRONMENTAL CLASS: MODERATELY AGGRESSIVE DUE TO CHLORIDE CONTENT (1500 PPM)
 - REINFORCING STEEL: GRADE 60
 - CONCRETE CLASS: IV (F'C = 5.5 KSI)
 - SOIL PROPERTIES:
FRICTION ANGLE = 29 DEG.
MODULUS OF SUBGRADE REACTION = 100,000 PCF
NOMINAL BEARING RESISTANCE 3,000 PSF
 - WORK THIS DRAWING WITH STANDARD PLANS INDEX NO. 400-289 AND REINFORCING BAR LIST SHEET

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SUBSURFACE UTILITY EXCAVATION REPORT VACUUM TEST HOLE VACUUM TEST HOLE PENT STREET & GROSSE AVENUE DRAINAGE AND ROADWAY IMPROVEMENTS PROJECT No. 33-17-002													
Vvh No.	UTILITY DESCRIPTION				CITY OF TARPON SPRINGS (PENT STREET TO GROSSE AVENUE)						HUB ELEVATION	UTILITY COVER	TOP OF UTILITY ELEVATION
	UTILITY OWNER	TYPE	SIZE	MATERIAL	NORTHING	EASTING	BASELINE	STATION	OFFSET	LT/RT			
1	CITY OF TARPON SPRINGS	WATER MAIN	8"	CIP	1386608.10	413811.48	TARPON AVENUE	11+66.16	10.59	RT	15.42'	1.90'	13.52'
2	UNKNOWN LANCED 10'				1386651.62	413663.84	GROSSE AVENUE	100+32.04	18.27	RT	16.93'	0.00'	N/A
3	UNKNOWN LANCED 10'				1386651.64	413655.41	GROSSE AVENUE	100+32.01	9.83	RT	16.66'	0.00'	N/A
4	FRONTIER COMMUNICATIONS	FIBER OPTIC	1-1/4"	PE	1386794.96	413654.91	GROSSE AVENUE	101+75.33	8.47	RT	13.87'	3.24'	10.63'
5	CITY OF TARPON SPRINGS	WATER MAIN	2"	STEEL	1386798.12	413655.02	GROSSE AVENUE	101+78.49	8.56	RT	13.82'	0.86'	12.96'
6	CITY OF TARPON SPRINGS	WATER MAIN	4"	STEEL	1386968.20	413637.40	GROSSE AVENUE	103+48.45	10.08	LT	10.66'	1.48'	9.18'
7	CITY OF TARPON SPRINGS	WATER MAIN	4"	STEEL	1386968.07	413658.49	GROSSE AVENUE	103+48.45	11.01	RT	10.66'	1.38'	9.28'
8	CITY OF TARPON SPRINGS	WATER MAIN	2"	STEEL	1386968.34	413679.21	GROSSE AVENUE	103+48.84	31.73	RT	10.90'	1.02'	9.88'
9	CITY OF TARPON SPRINGS	WATER MAIN	6"	PVC	1387303.66	413661.07	GROSSE AVENUE	106+84.05	11.57	RT	10.49'	1.18'	9.31'
10	CITY OF TARPON SPRINGS	SANITARY SEWER	5"	CIP	1387303.55	413646.36	GROSSE AVENUE	106+83.85	3.14	LT	10.47'	3.12'	7.35'
11	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387625.86	413659.11	GROSSE AVENUE	110+06.23	7.66	RT	9.90'	1.66'	8.24'
12	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387631.01	413658.81	GROSSE AVENUE	110+11.38	7.34	RT	9.88'	2.32'	7.56'
13	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387681.20	413663.27	GROSSE AVENUE	110+61.60	11.49	RT	9.89'	2.00'	7.89'
14	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387935.79	413664.73	GROSSE AVENUE	113+16.19	11.42	RT	9.26'	1.80'	7.46'
15	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387982.14	413665.21	GROSSE AVENUE	113+62.55	11.61	RT	8.73'	1.60'	7.13'
16	CITY OF TARPON SPRINGS	SANITARY SEWER	6"	TERRA-COTTA CLAY	1388139.49	413648.21	GROSSE AVENUE	115+19.79	6.33	LT	8.64'	2.26'	6.38'
17	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1388791.69	413670.11	GROSSE AVENUE	121+72.11	11.64	RT	11.44'	2.05'	9.39'
18	CITY OF TARPON SPRINGS	WATER MAIN	8"	PVC	1388287.59	413682.07	GROSSE AVENUE	116+68.09	26.34	RT	9.27'	2.22'	7.05'
19	FRONTIER COMMUNICATIONS	FIBER OPTIC	2X1-1/4"	PE	1388287.81	413682.10	GROSSE AVENUE	116+68.31	26.66	RT	9.28'	1.48'	7.80'
20	CITY OF TARPON SPRINGS	WATER MAIN	6"	PVC	1388312.59	413672.16	GROSSE AVENUE	116+93.03	16.58	RT	8.90'	2.12'	6.78'
21	CLEARWATER GAS	GAS MAIN	6"	EXY/STEEL	1388317.51	413663.40	GROSSE AVENUE	116+97.90	7.79	RT	8.70'	3.03'	5.67'
22	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1388331.88	413669.27	GROSSE AVENUE	117+12.30	13.57	RT	9.28'	2.25'	7.03'
23	CITY OF TARPON SPRINGS	WATER MAIN	6"	PVC	1388914.81	413646.77	GROSSE AVENUE	122+95.08	12.44	LT	12.49'	2.08'	10.41'
24	FRONTIER COMMUNICATIONS	FIBER OPTIC	1-1/2"	PE	1388971.01	413896.87	SPRUCE STREET	72+37.31	10.06	LT	5.61'	2.59'	3.02'
25	CLEARWATER GAS	GAS MAIN	2"	HDPE	1388970.66	413949.89	SPRUCE STREET	72+90.33	10.04	LT	4.99'	2.28'	2.71'
26	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1388949.40	413954.88	SPRUCE STREET	72+95.46	11.20	RT	5.07'	1.58'	3.49'
27	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1388947.99	414028.77	SPRUCE STREET	73+69.35	12.16	RT	7.06'	2.11'	4.95'
28	CLEARWATER GAS	GAS MAIN	2"	HDPE	1388972.42	414027.97	SPRUCE STREET	73+68.41	12.26	LT	7.19'	2.36'	4.83'
29	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387957.81	413814.51	PENT STREET	32+40.09	13.26	RT	6.28'	2.38'	3.90'
30	CITY OF TARPON SPRINGS	WATER MAIN	6"	CIP	1387625.41	413891.54	CYPRESS STREET	11+66.16	10.59	RT	9.72'	2.15'	7.57'
31	DUKE ENERGY	ELECTRIC	2"	PVC	1389361.45	413675.67	SPRUCE STREET	127+41.89	13.77	RT	8.09'	3.30'	4.79'
32	CITY OF TARPON SPRINGS	FORCE MAIN	8"	PVC	1389361.11	413675.66	SPRUCE STREET	127+41.55	13.76	RT	8.04'	3.31'	4.73'
REVISIONS					BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230			 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610			SUMMARY OF VERIFIED UTILITIES		SHEET NO. 68
DATE	DESCRIPTION	DATE	DESCRIPTION										

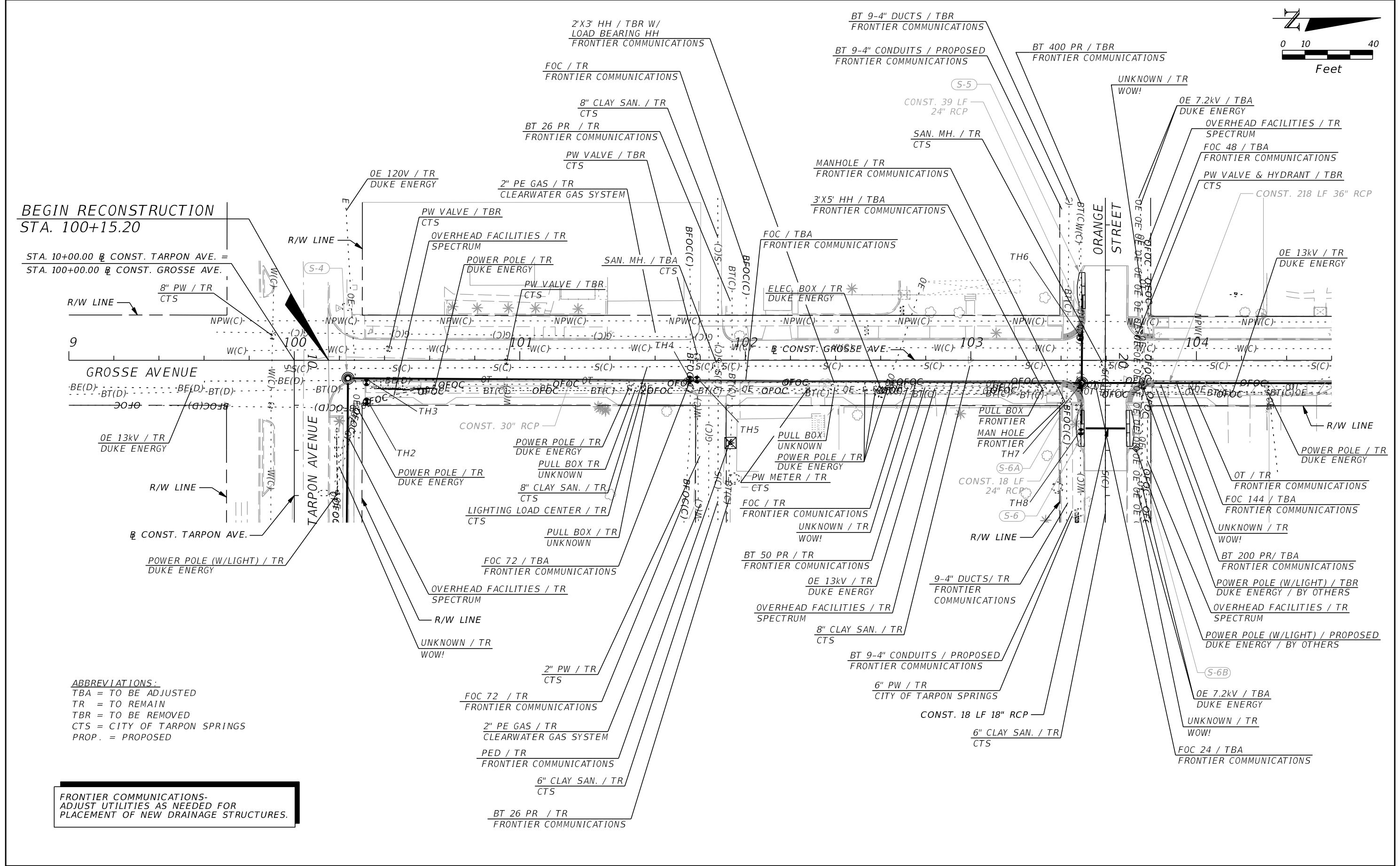
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FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
PLACEMENT OF NEW DRAINAGE STRUCTURES.

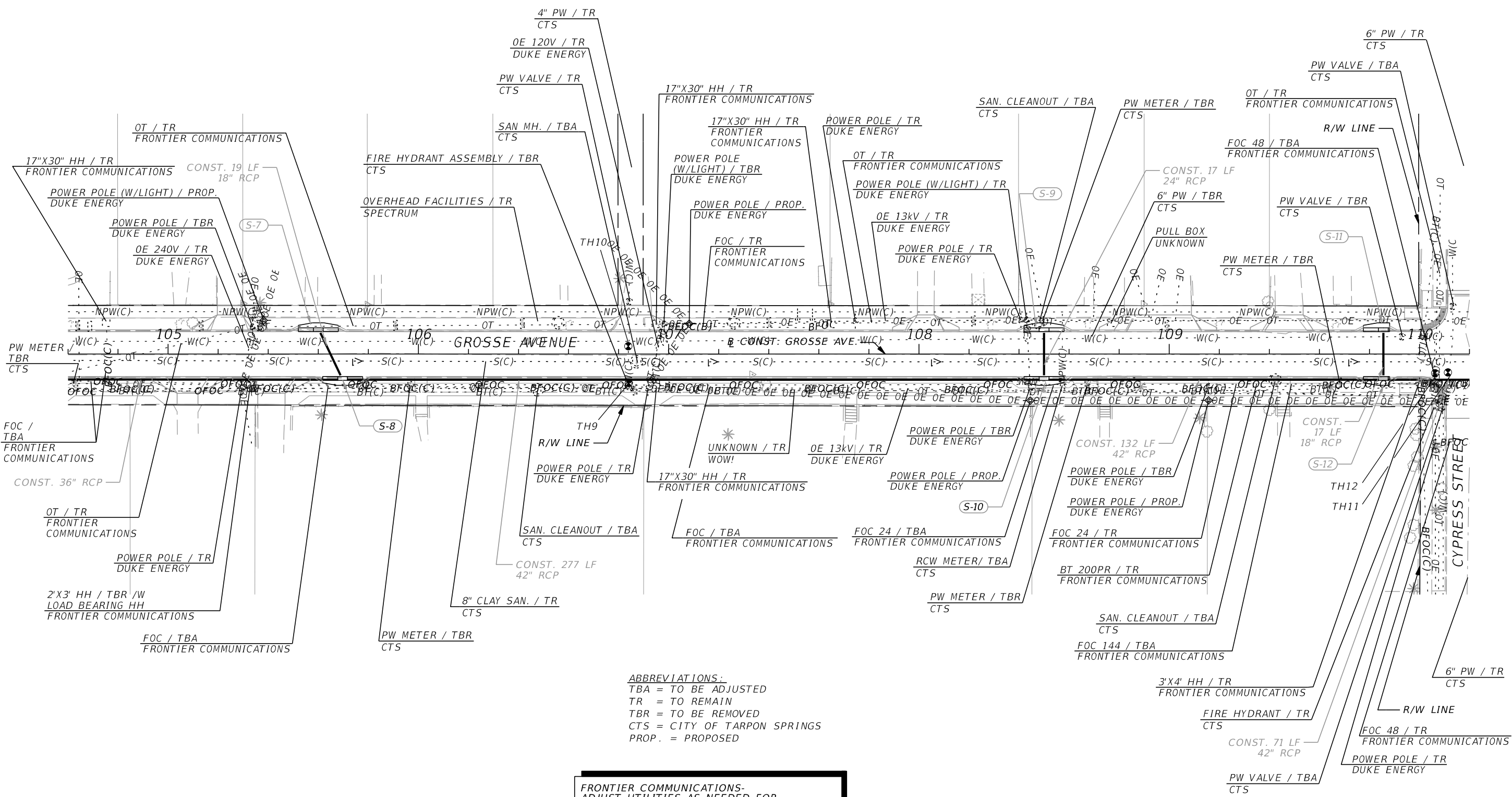
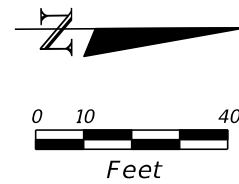
ABBREVIATIONS:
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DATE	DESCRIPTION	DATE	DESCRIPTION				69



REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	UTILITY ADJUSTMENT SHEET (2)		SHEET NO. 70
DATE	DESCRIPTION	DATE	DESCRIPTION					

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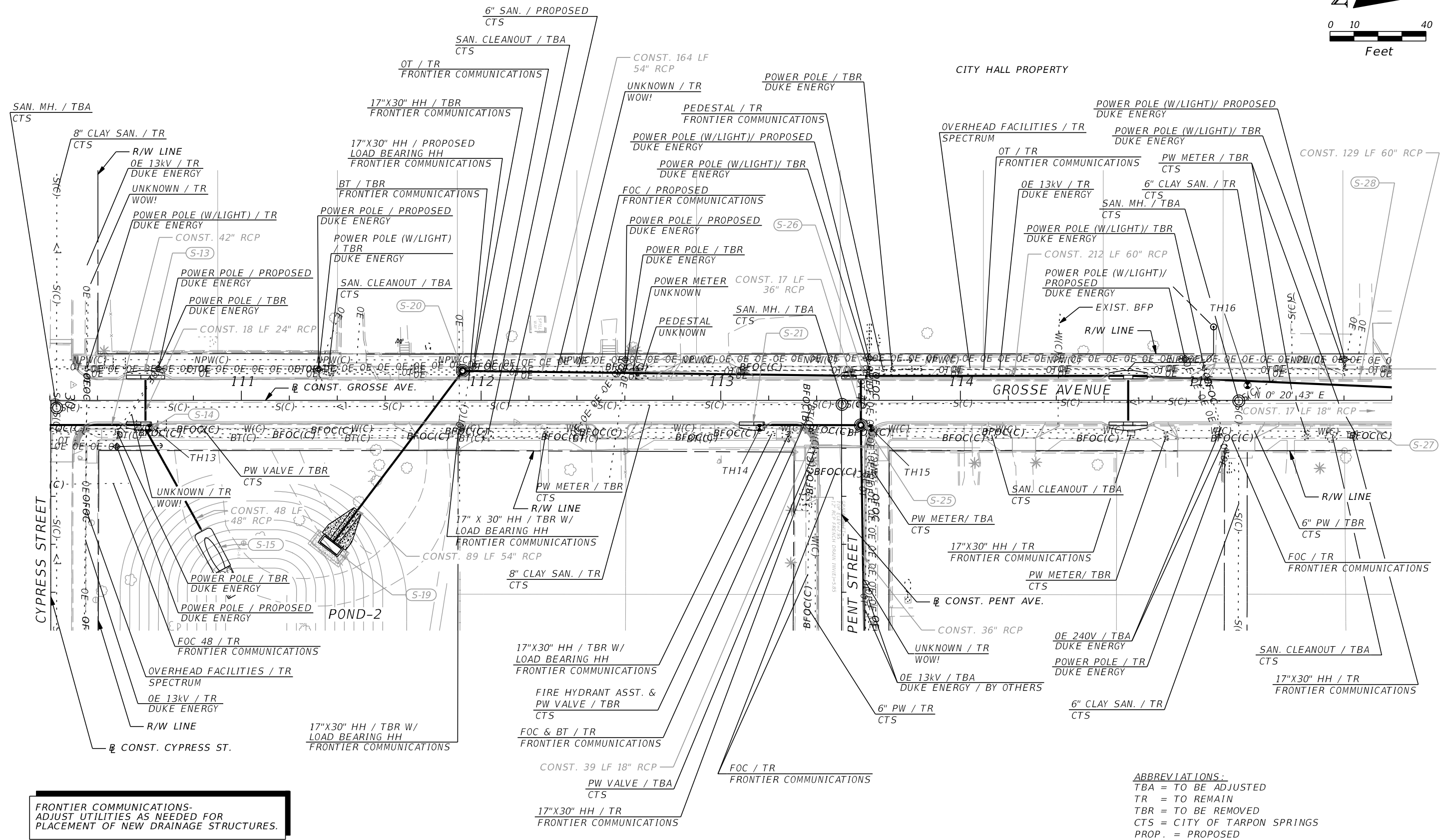
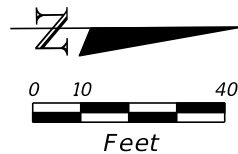


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FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
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REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	UTILITY ADJUSTMENT SHEET (3)		SHEET NO. 71
DATE	DESCRIPTION	DATE	DESCRIPTION					

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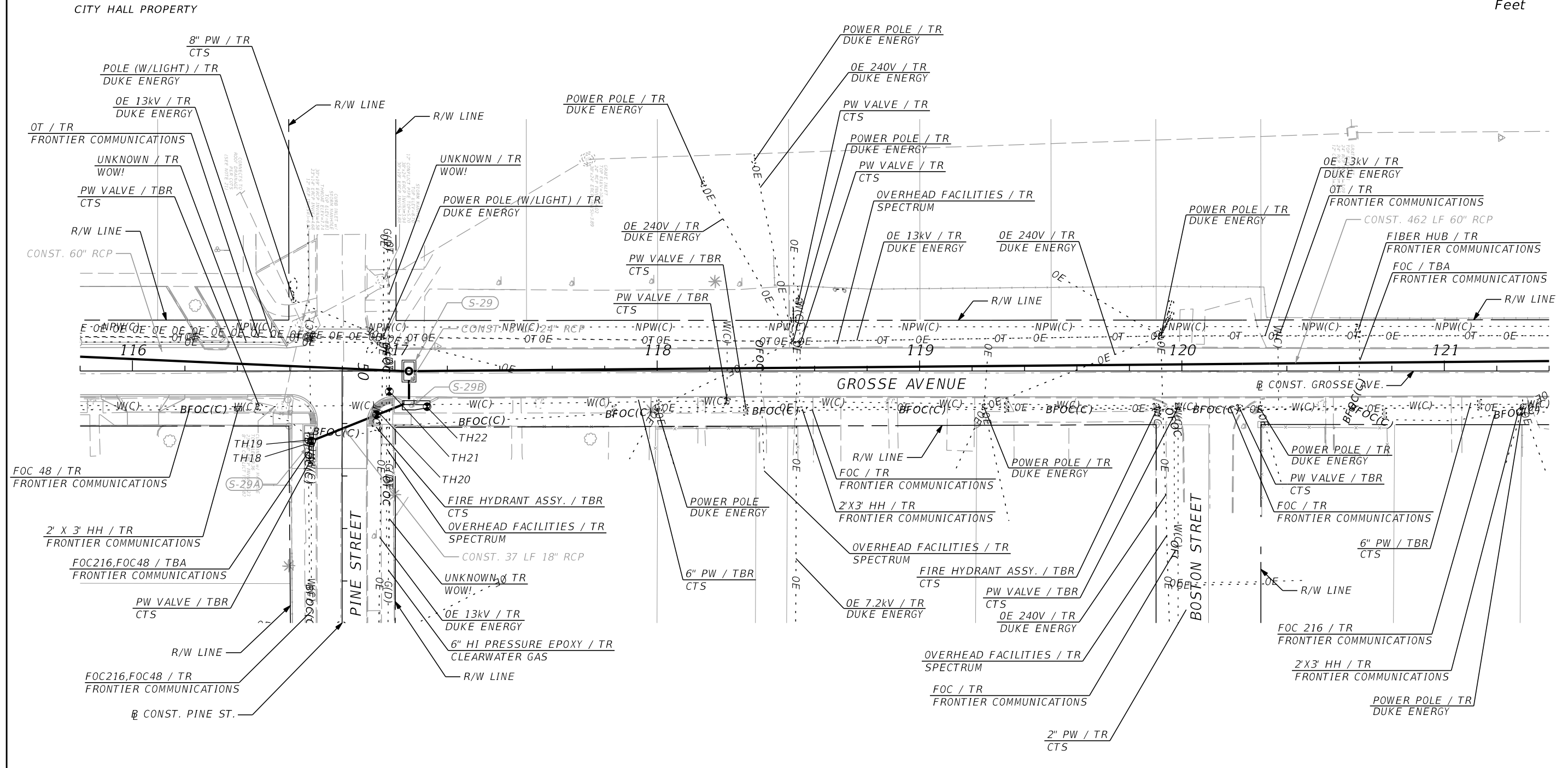
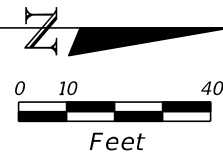


FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
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DATE	DESCRIPTION	DATE	DESCRIPTION						

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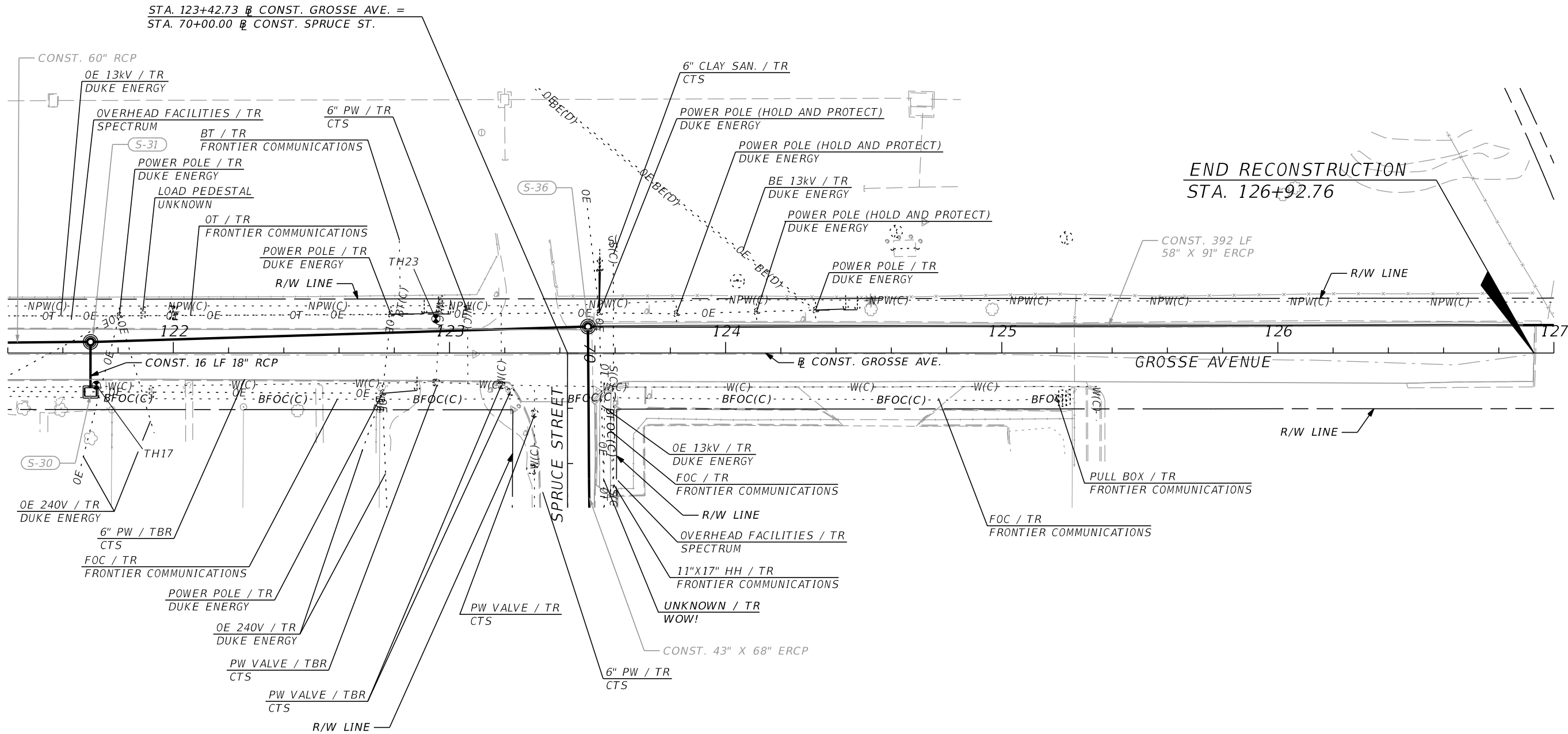
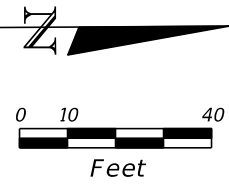


FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
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DATE	DESCRIPTION	DATE	DESCRIPTION					

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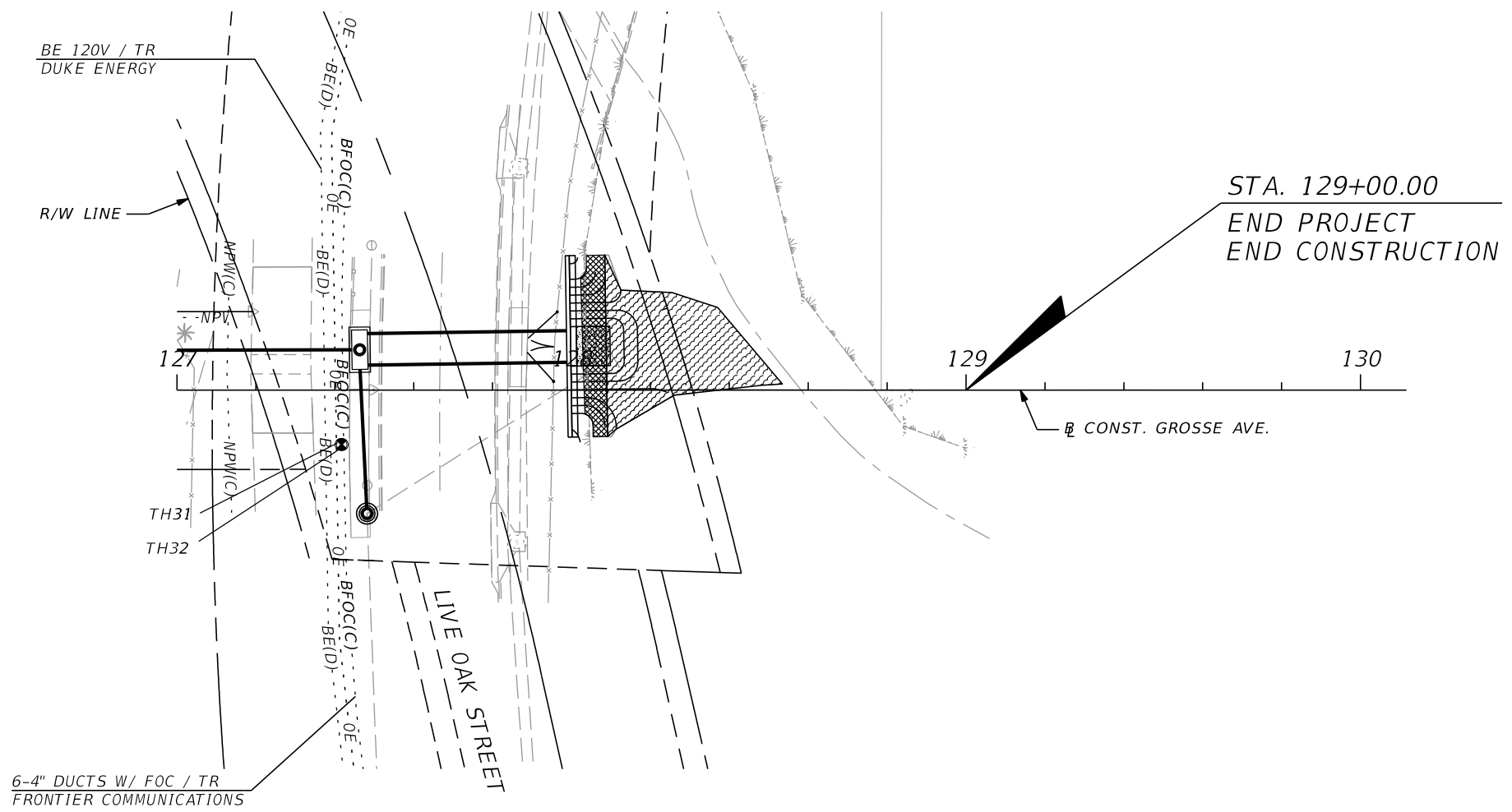
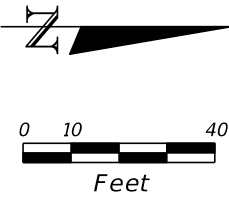
END RECONSTRUCTION
STA. 126+92.76

FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
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DATE	DESCRIPTION	DATE	DESCRIPTION				74

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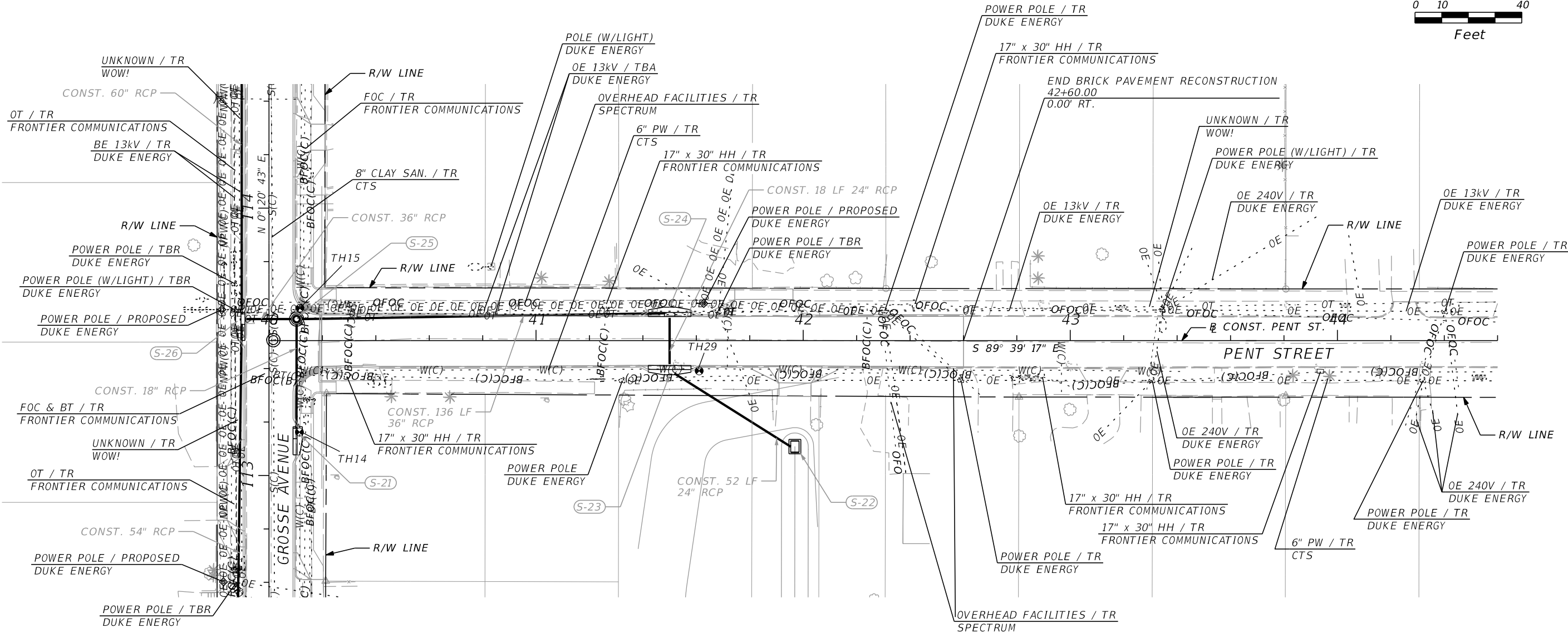
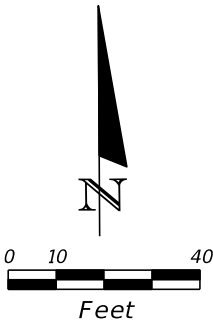


FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
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REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	UTILITY ADJUSTMENT SHEET (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				75

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



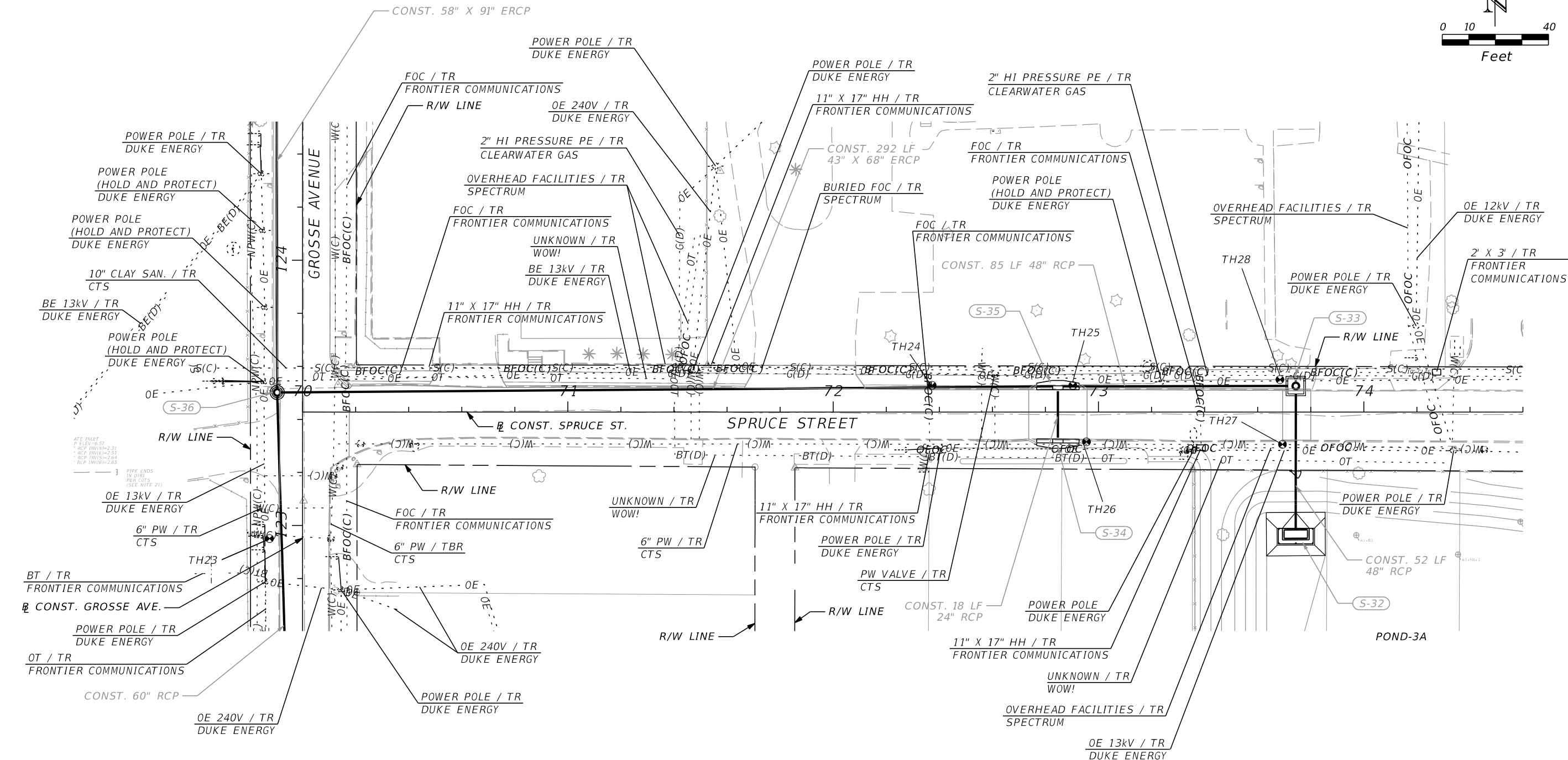
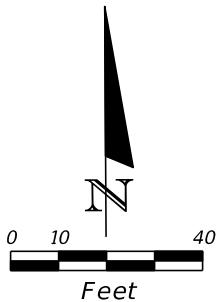
FRONTIER COMMUNICATIONS-
ADJUST UTILITIES AS NEEDED FOR
PLACEMENT OF NEW DRAINAGE STRUCTURES.

ABBREVIATIONS:
TBA = TO BE ADJUSTED
TR = TO REMAIN
TBR = TO BE REMOVED
CTS = CITY OF TARPON SPRINGS
PROP. = PROPOSED

PENT ST

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	UTILITY ADJUSTMENT SHEET (9)		SHEET NO. 77
DATE	DESCRIPTION	DATE	DESCRIPTION					

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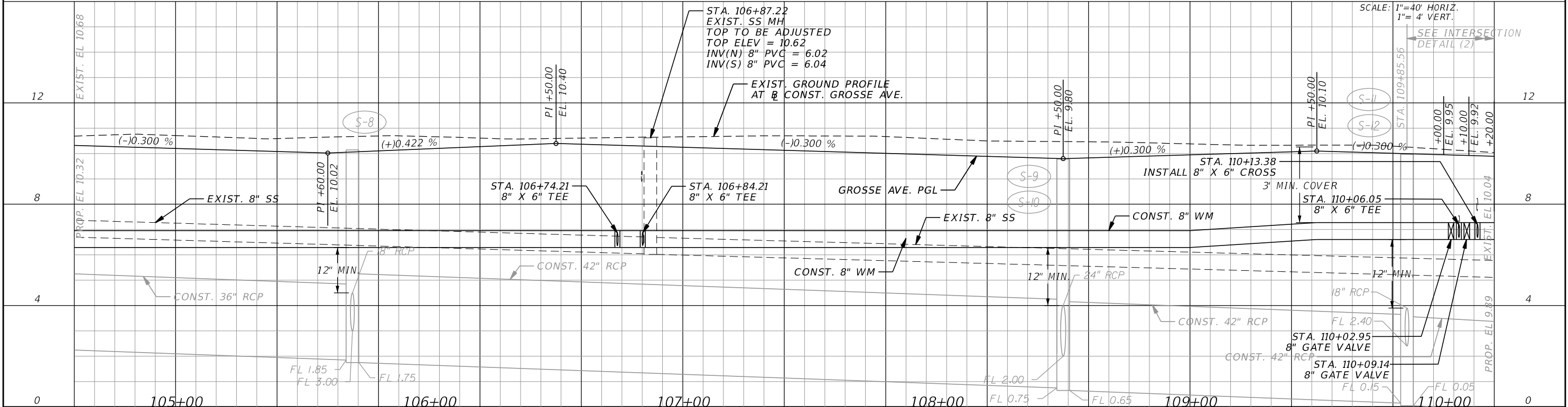
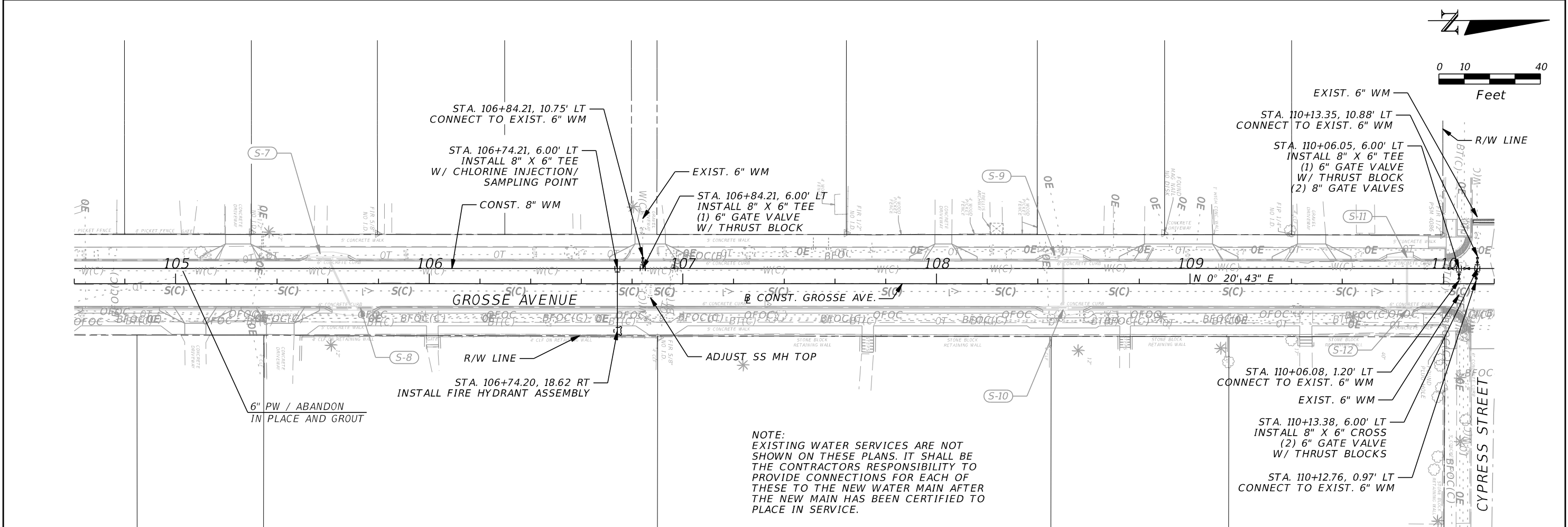


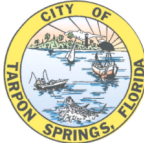
ABBREVIATIONS:
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SPRUCE ST

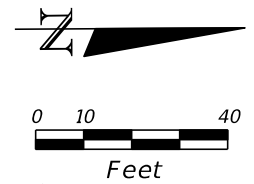
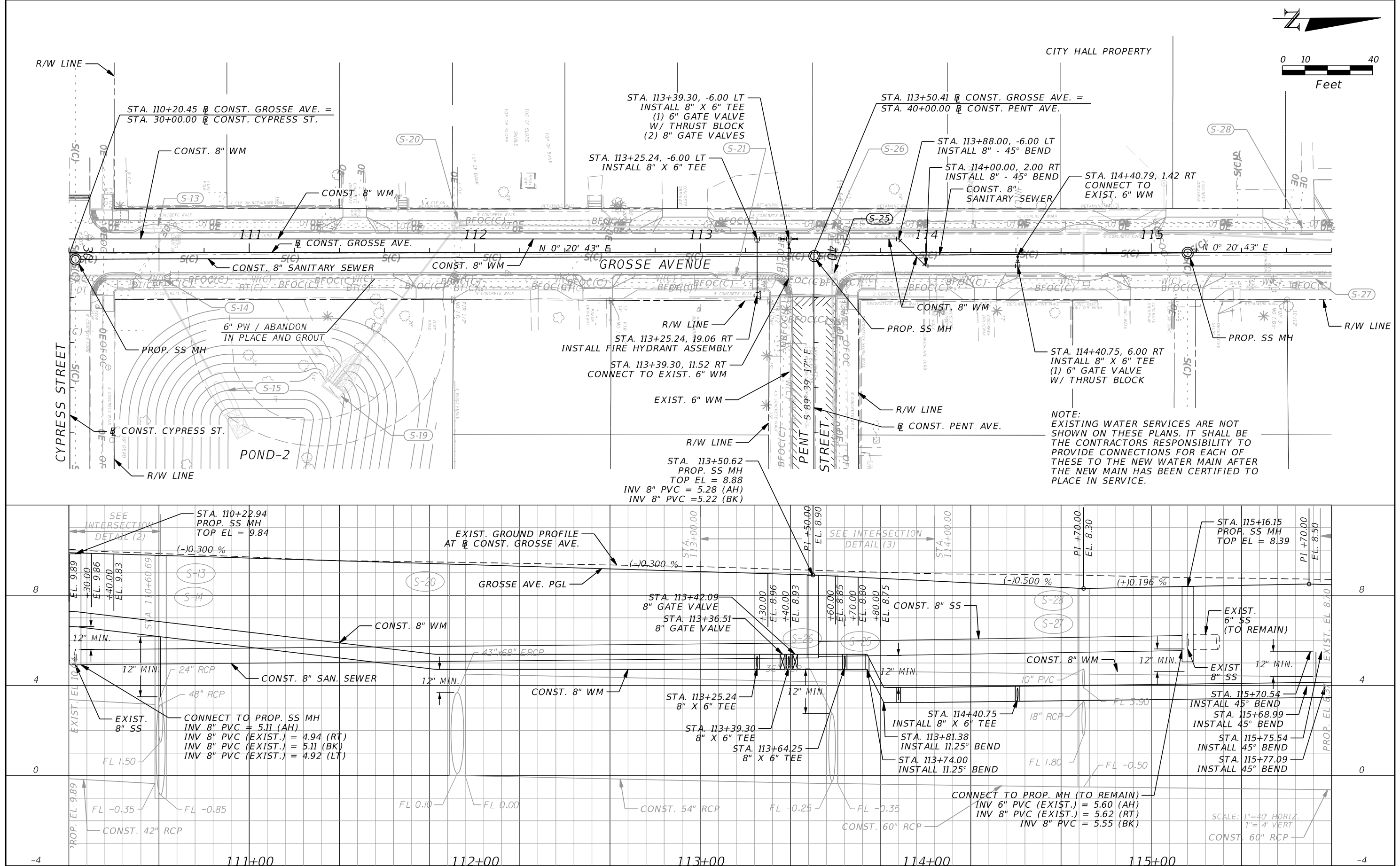
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	<i>UTILITY ADJUSTMENT</i> <i>SHEET (10)</i>		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					78

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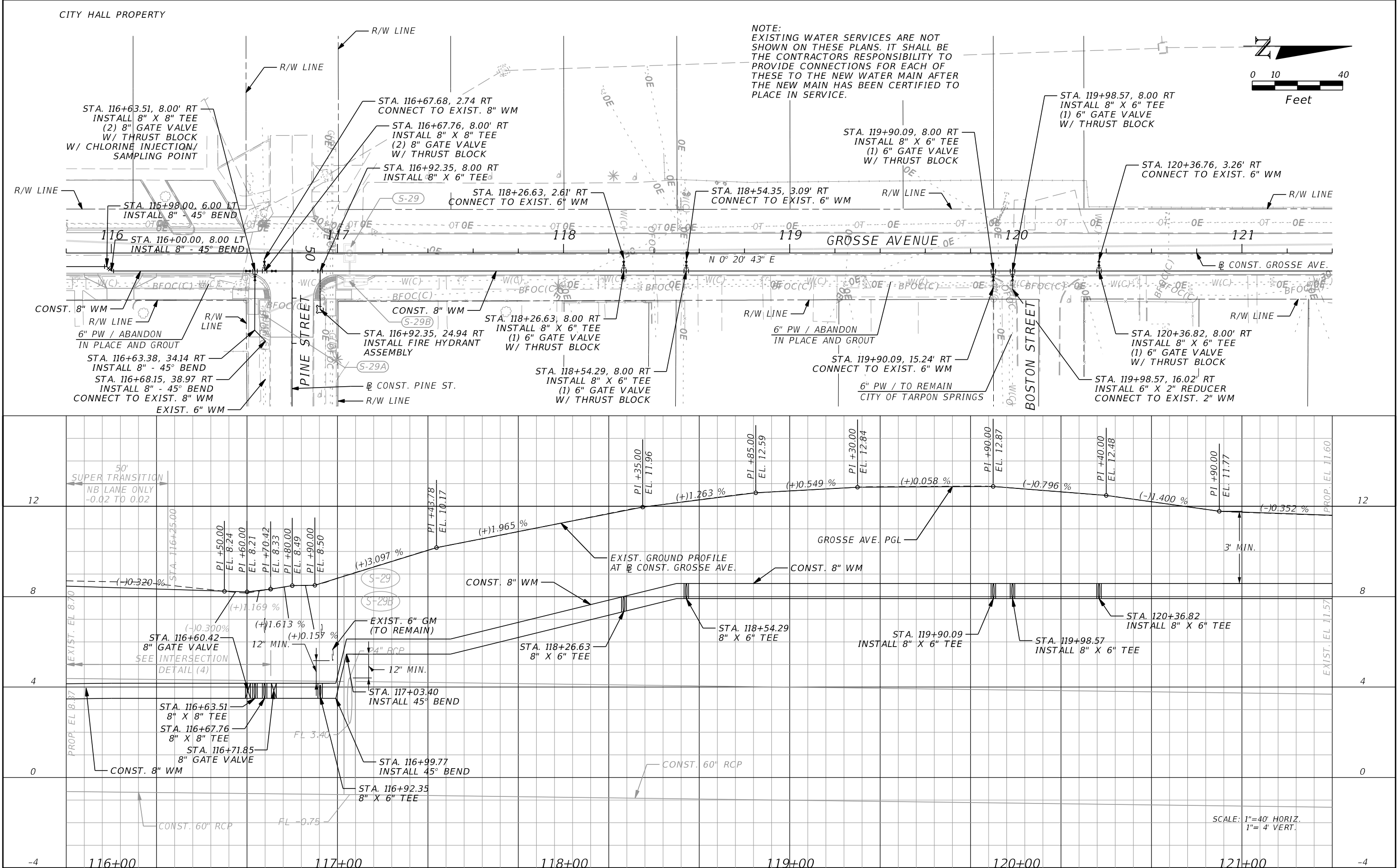
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER PLAN-PROFILE (2)	SHEET NO. 80
DATE	DESCRIPTION	DATE	DESCRIPTION				

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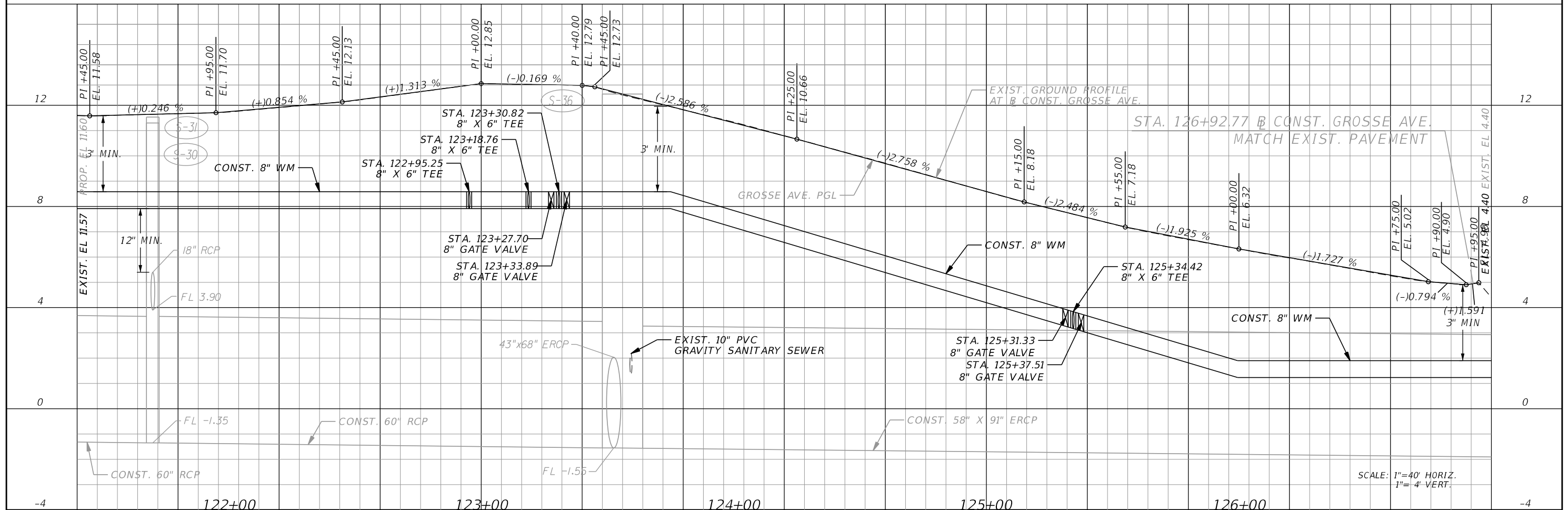
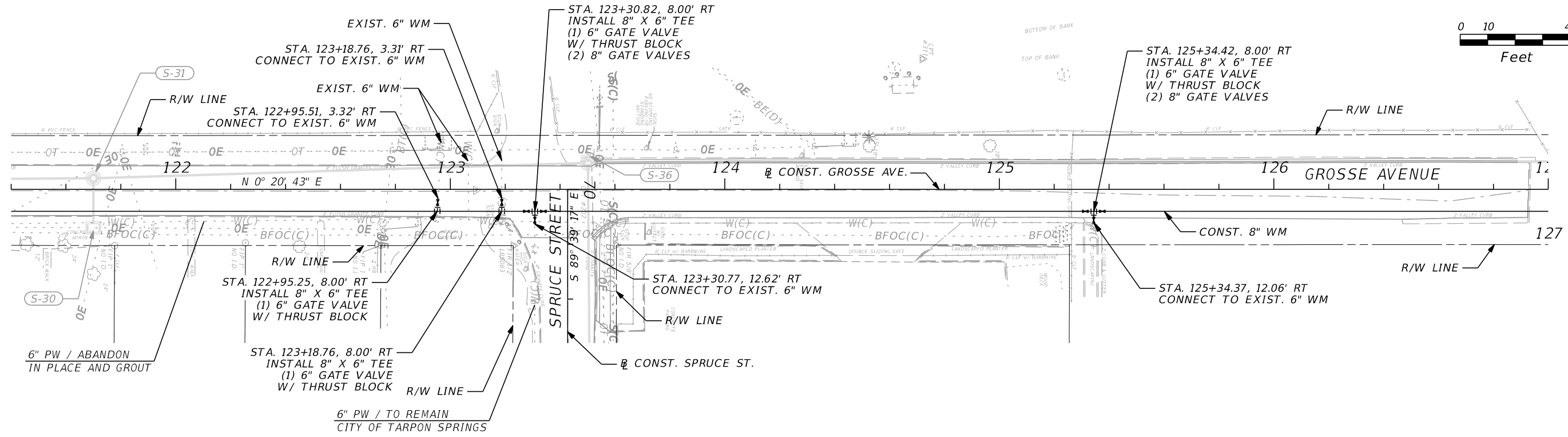
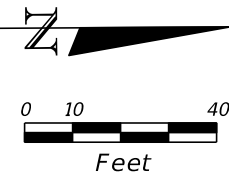
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER PLAN-PROFILE (3)		SHEET NO. 81
DATE	DESCRIPTION	DATE	DESCRIPTION						

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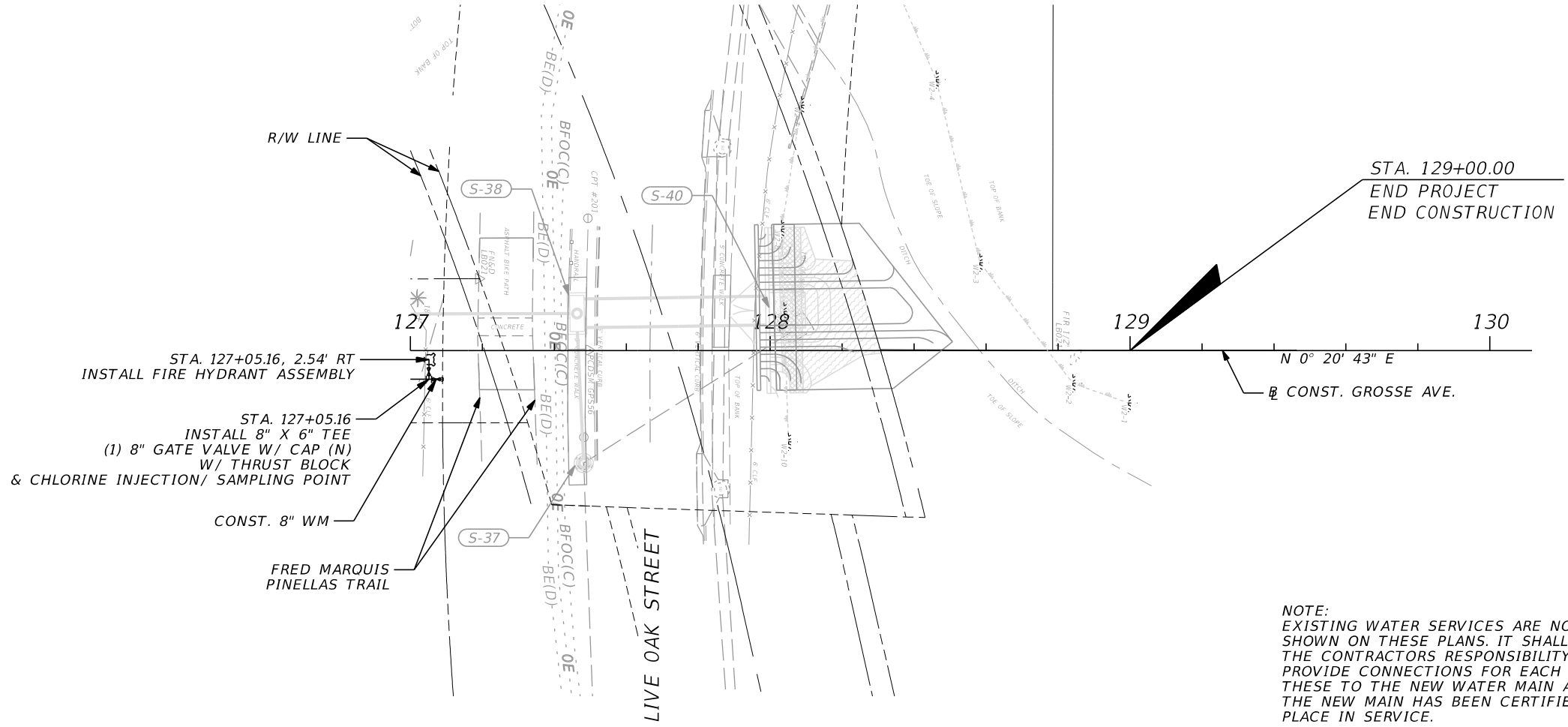
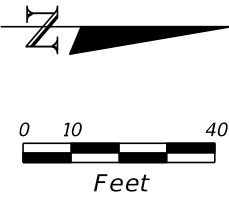
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER PLAN-PROFILE (4)		SHEET NO. 82
DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

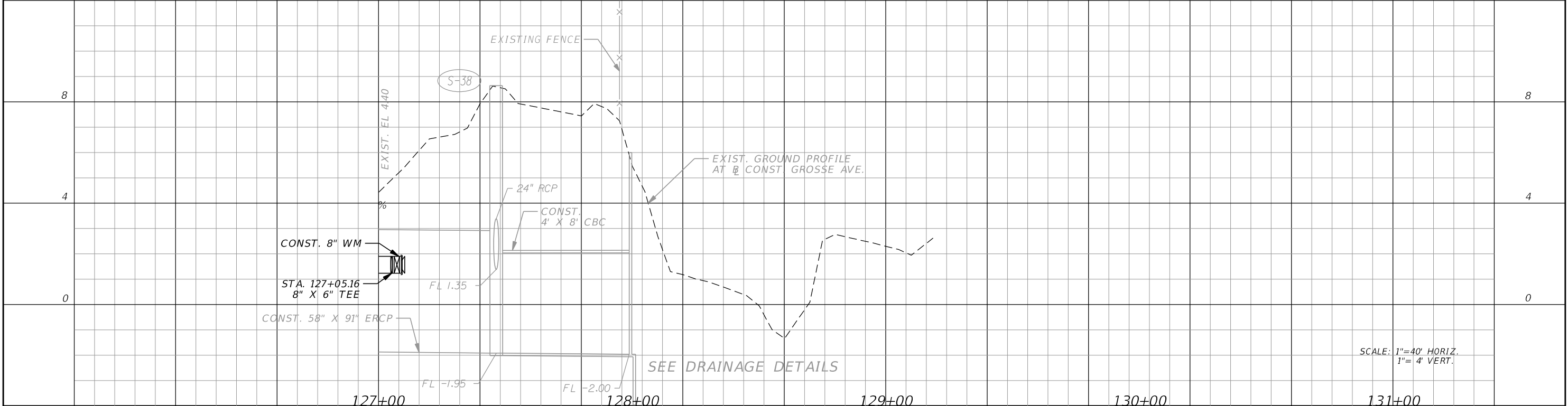


REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	CITY OF TARPON SPRINGS, FLORIDA	CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER PLAN-PROFILE (5)	SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

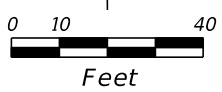
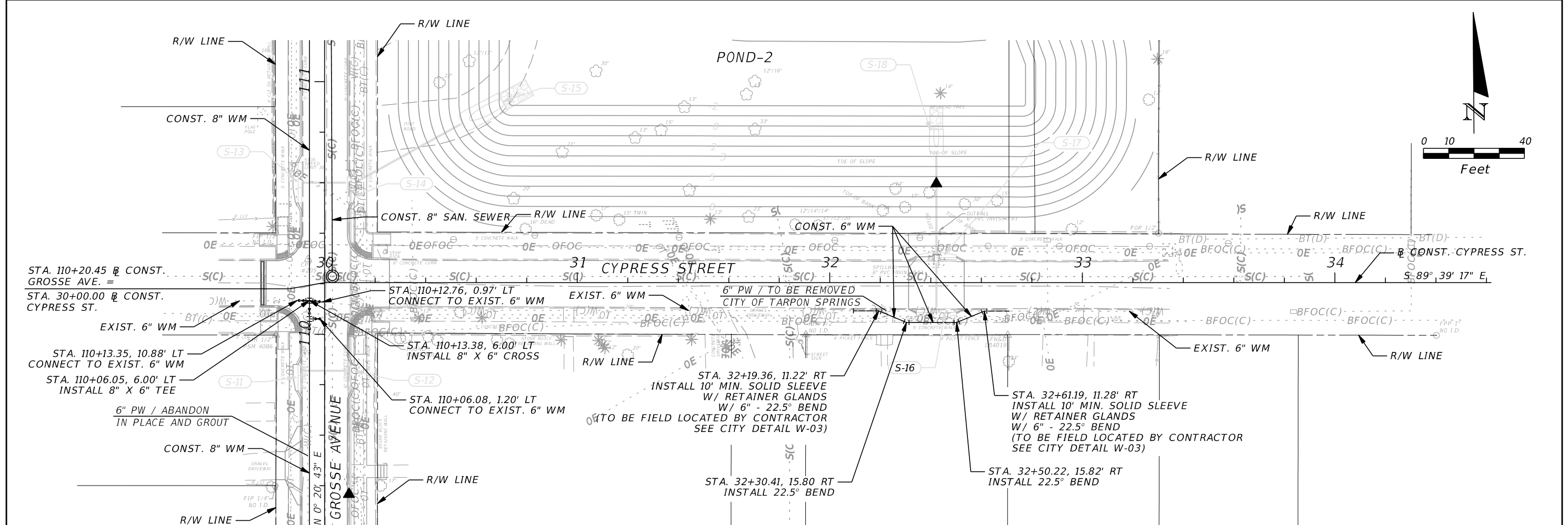


NOTE:
EXISTING WATER SERVICES ARE NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE CONNECTIONS FOR EACH OF THESE TO THE NEW WATER MAIN AFTER THE NEW MAIN HAS BEEN CERTIFIED TO PLACE IN SERVICE.



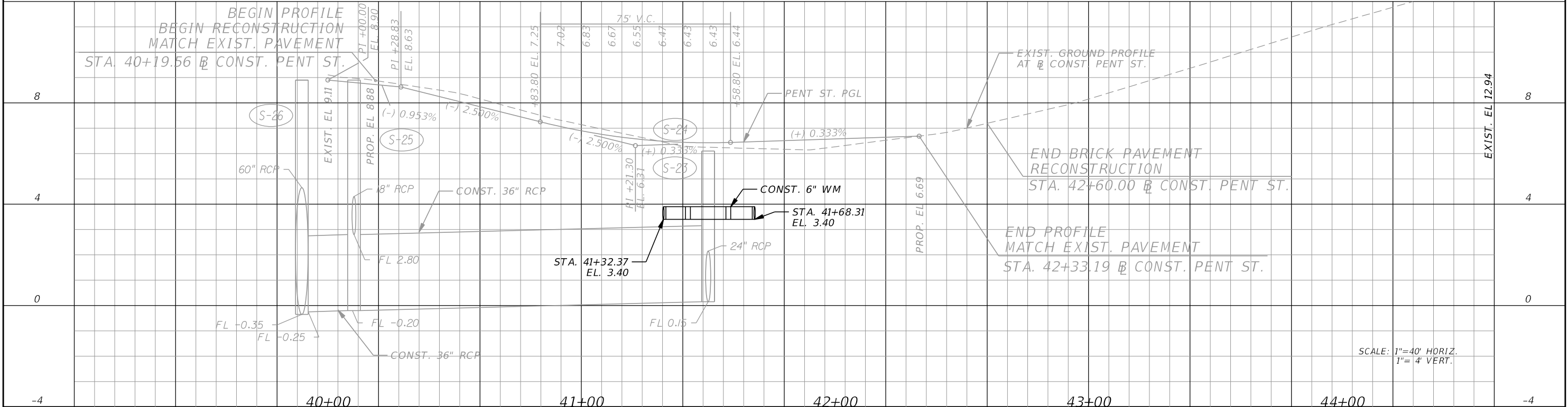
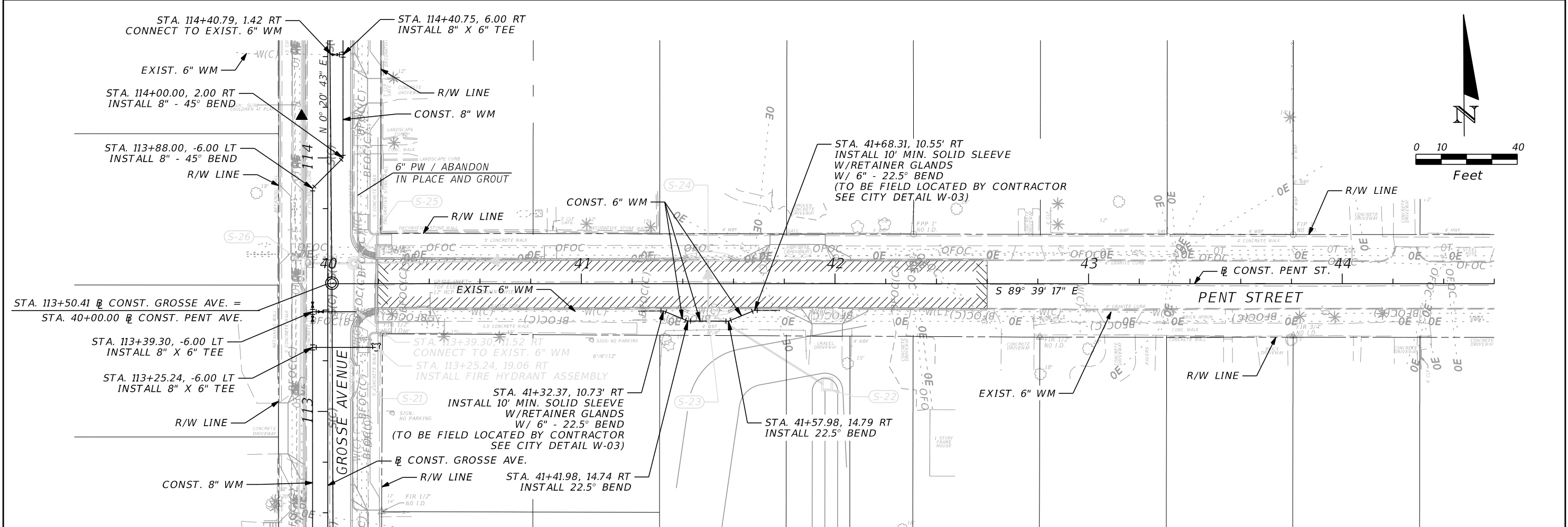
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER PLAN-PROFILE (6)		SHEET NO. 84
DATE	DESCRIPTION	DATE	DESCRIPTION					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



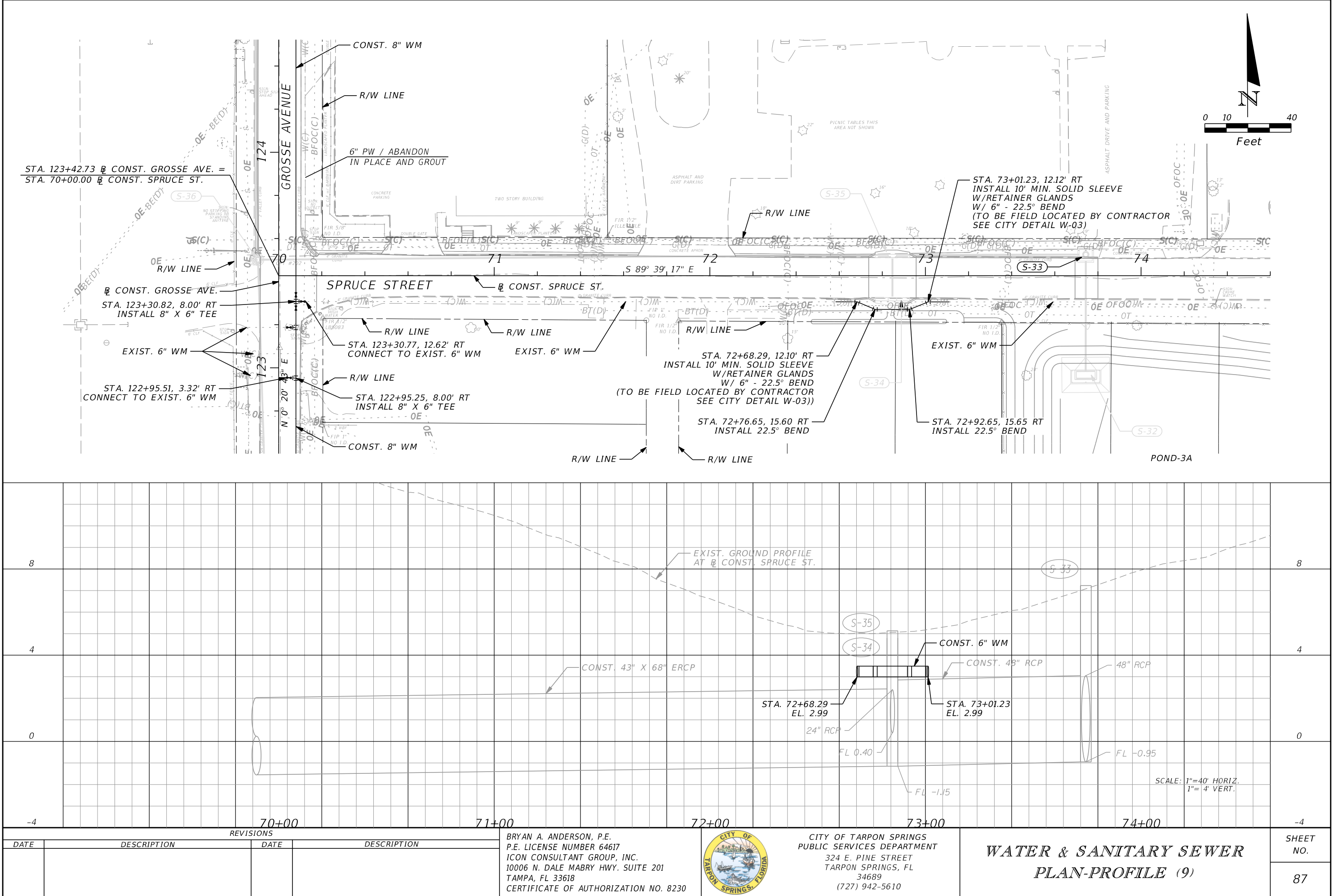
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER PLAN-PROFILE (7)		SHEET NO. 85
DATE	DESCRIPTION	DATE	DESCRIPTION					

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DATE	DESCRIPTION	DATE	DESCRIPTION					

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230



CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL 34689
(727) 942-5610

WATER & SANITARY SEWER
PLAN-PROFILE (9)

SHEET NO.
87

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP EXCAVATIONS DRY AND SHALL PROVIDE ALL SHORING, SHEETING, AND BRACING NECESSARY TO PROTECT WORKMEN, ADJACENT STRUCTURES, UTILITIES, EXISTING PAVEMENT, OR TO MINIMIZE TRENCH WIDTH AT NO ADDITIONAL COST TO THE CITY.

2. THE CONTRACTOR SHALL COORDINATE WITH THE CITY REGARDING SHUTTING DOWN WATER MAINS. PROPER AND ADEQUATE NOTIFICATION MUST BE MADE TO PROPERTY OWNERS, BUT IN NO CASE SHALL LESS THAN 24 HOURS WRITTEN NOTICE BE GIVEN.

3. INSTALL 2" TEMPORARY BLOW-OFF ASSEMBLY ON EXISTING LINE AT ALL CONNECTIONS OF PROPOSED TO EXISTING WATER LINE. THE ASSEMBLY SHALL BE REMOVED AFTER THE NEW WATER LINE HAS BEEN DISINFECTED AND CLEARED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP).

4. ABONDMENT OF THE EXISTING WATER MAIN SHALL NOT OCCUR UNTIL THE NEW WATER LINE HAS BEEN INSTALLED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICAL TESTING HAS BEEN DONE AND FINAL APPROVAL IS RECEIVED FROM THE CITY AND DEP.

5. EXISTING FIRE HYDRANTS ARE TO BE REMOVED AND RETURNED TO CITY (LOCATION DESIGNATED BY THE CITY) ONCE PROPOSED WATERLINE AND FIRE HYDRANTS ARE IN SERVICE.

6. 48 HOUR NOTICE TO CITY FIRE DEPARTMENT IS REQUIRED PRIOR TO REMOVING THE HYDRANTS FROM SERVICE.

7. THE OPENING AND/OR CLOSING OF EXISTING VALVES OR NEW VALVES INSTALLED IN PRESSURE PIPE SYSTEMS SHALL BE BY A CITY REPRESENTATIVE AFTER COORDINATION WITH THE ENGINEER.

8. JOINT RESTRAINTS SHALL BE IN ACCORDANCE WITH PINELLAS COUNTY UTILITY DETAILS.

7. THE OPENING AND/OR CLOSING OF EXISTING VALVES OR NEW VALVES INSTALLED IN PRESSURE PIPE SYSTEMS SHALL BE BY A CITY SANITARIAN AFTER COORDINATION WITH THE ENGINEER.

8. THE CONTRACTOR SHALL PROVIDE NECESSARY EQUIPMENT AND LABOR TO MAKE TAPS IN PRESSURE PIPE MAINS WHERE TAPPING SLEEVES AND VALVES ARE SHOWN ON THE PLANS.

9. ALL NEW DUCTILE IRON PRESSURE PIPE, FITTINGS, AND VALVE BODIES SHALL BE WRAPPED IN POLYETHYLENE IN ACCORDANCE WITH ANSI/AWWA C105.

10. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING POTABLE AND RE-CLAIMED SERVICE LINES UNDER PAVEMENT OR ELSEWHERE IN THE CONSTRUCTION ZONE. REPLACE SERVICE LINES WHERE SHOWN OR DIRECTED BY THE ENGINEER. ALL RELOCATED SERVICE LINES SHALL BE RE-LOCATED SO THAT THE METER ASSEMBLY WILL NOT BE IN AN ALLEY, DRIVEWAY, OR OTHER VEHICULAR TRAVEL PATH.

11. ALL EXISTING POTABLE AND/OR RECLAIMED WATER SERVICE LINES SHALL BE TRANSFERRED TO THE NEWMAIN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

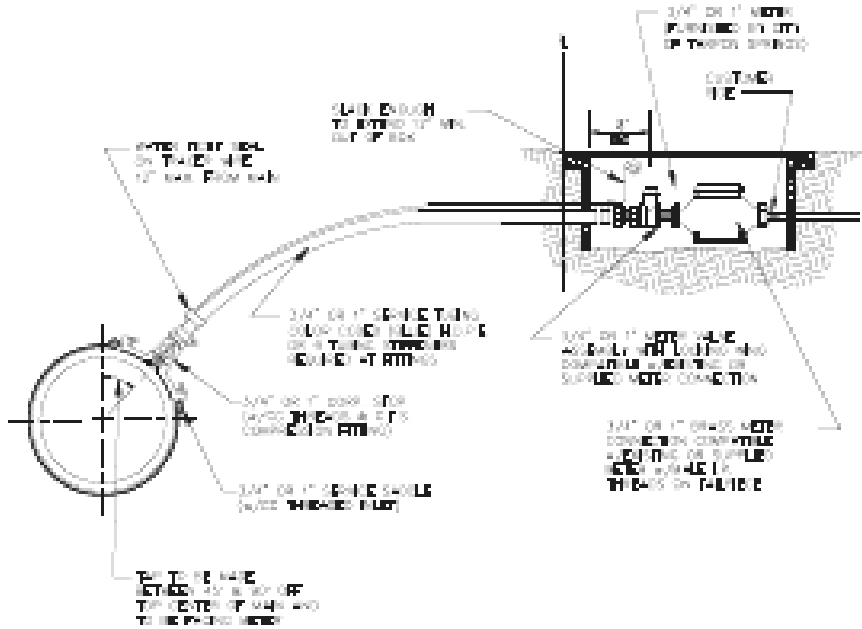
12. MAINTAIN A MINIMUM COVER OF 36 INCHES UNDER ROADWAYS, ALLEYS, AND DRIVEWAYS. MAINTAIN A MINIMUM OF 30 INCHES OF COVER IN SODDED AND LANDSCAPED AREAS.

13. THRUST BLOCKING SHALL NOT BE USED, UNLESS ORDERED BY THE ENGINEER. HARNESSED PIPE JOINTS SHALL BE USED. THE LENGTH OF HARNESSED JOINTS SHALL BE AS SHOWN ON THE PLANS.

14. SANITARY SEWER FORCE MAINS SHALL NOT USE GREATER THAN 45° BENDS FOR OFFSETS OR REALIGN-MENT OF THE FORCE MAIN. THE 45° BENDS SHALL HAVE A MINIMUM OF 5 FEET BETWEEN THEM, WHEN POSSIBLE.

15. CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL POTABLE WATER METERS, UNLESS THEY ARE "RADIO READ" TYPE METERS. THE BELOW LIST OF EXISTING "RADIO READ" METERS ARE TO REMAIN AND TO BE FIELD VERIFIED BY THE CONTRACTOR.

LOCATION	LOCATION	LOCATION
101 N. GROSSE AVENUE	210 N. GROSSE AVENUE	514 N. GROSSE AVENUE
104 N. GROSSE AVENUE	213 N. GROSSE AVENUE	628 N. GROSSE AVENUE
109 N. GROSSE AVENUE	220 N. GROSSE AVENUE	770 N. GROSSE AVENUE
127 N. GROSSE AVENUE	223 N. GROSSE AVENUE	324 E. ORANGE STREET
130 N. GROSSE AVENUE	416 N. GROSSE AVENUE	415 E. ORANGE STREET
137 N. GROSSE AVENUE	508 N. GROSSE AVENUE	325 PINE STREET



- NOTES:
1. ALL CONNECTION STOPS TO BE FOR USE WITH OR B (BTR) HOME TAPING

2. SERVICE SADDLE REQUIRED FOR ALL TAPS.

3. METER ONLY TO BE FURNISHED BY CITY OF TARPON SPRINGS

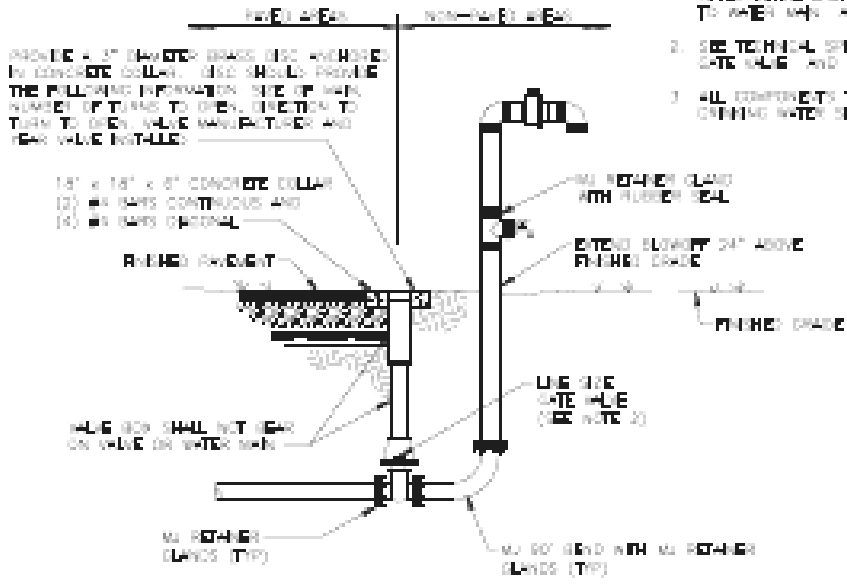
4. METER BOXES SHALL BE PER CITY OF TARPON SPRINGS APPROVED MATERIAL SPECIFICATIONS

5. ALL METER BOXES LOCATED WITHIN VEHICULAR TRAVEL AREAS SHALL BE H-20 LOADED. ALL OTHERS SHALL BE H-10 LOADED.

6. TAPPING PIPE ONLY REQUIRED ON SERVICES OVER 40' IN LENGTH

1. 1" SERVICE TUBING SHALL BE USED FOR ALL 3/4\"

3/4" OR 1" POTABLE WATER
SERVICE CONNECTION



SIDE VIEW
TEMPORARY BLOWOFF ASSEMBLY

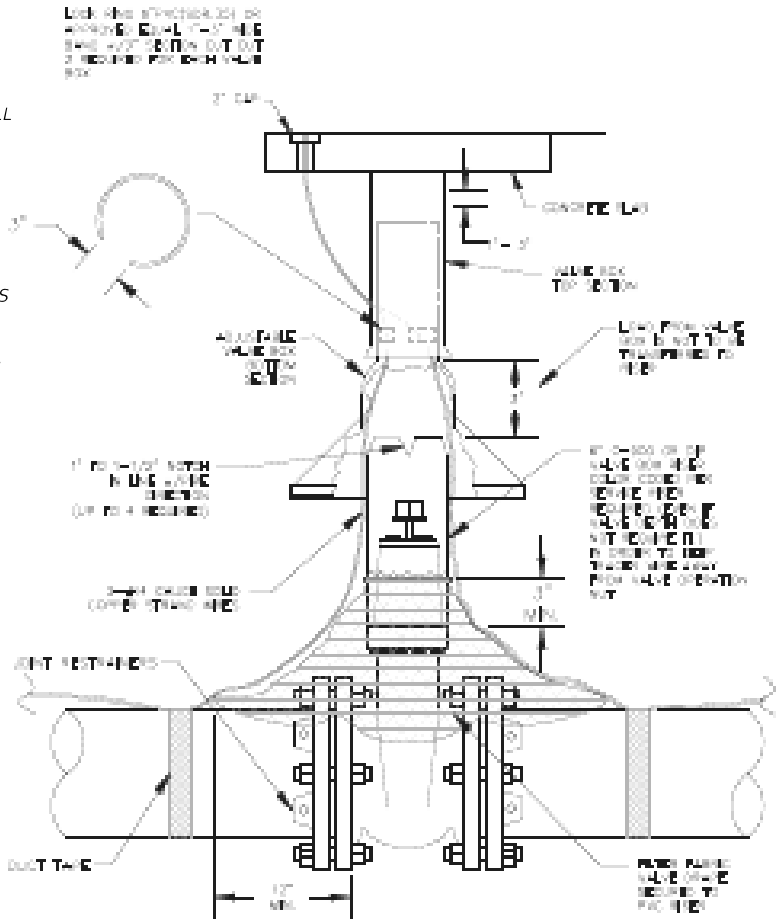
- NOTES:
1. ALL BOLTED FITTINGS ARE TO BE POLYETHYLENE WRAPPED, COLOR CODED PER SERVICE

2. IF FIRE HYDRANT IS TO BE LOCATED WITHIN 10 FT. OR LESS OF A VEHICULAR TRAVELED AREA, GUARD POSTS MAY BE REQUIRED UNLESS OTHERWISE APPROVED BY CITY OF TARPON SPRINGS ENGINEERING OR THEIR AUTHORIZED REPRESENTATIVE.

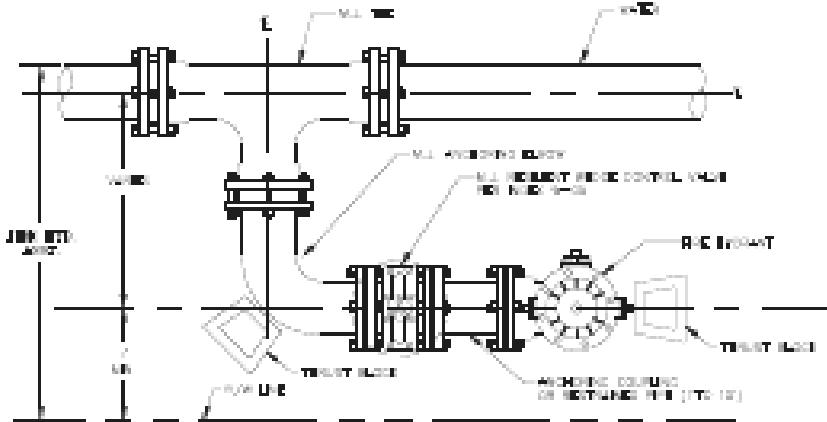
3. IF DISTANCE BETWEEN VALVE AND HYDRANT IS 10 FT. OR GREATER, AN ADDITIONAL VALVE IS TO BE INSTALLED FOR CONTROL OF HYDRANT UNLESS OTHERWISE APPROVED BY CITY OF TARPON SPRINGS ENGINEERING OR THEIR APPROVED REPRESENTATIVE.

4. HYDRANT IS TO BE INSTALLED PLUMB

5. HYDRANT TO BE PAINTED UPON INSTALLATION PER CITY OF TARPON SPRINGS APPROVED PRODUCTS AND COLORS.



VALVE BOX INSTALLATION



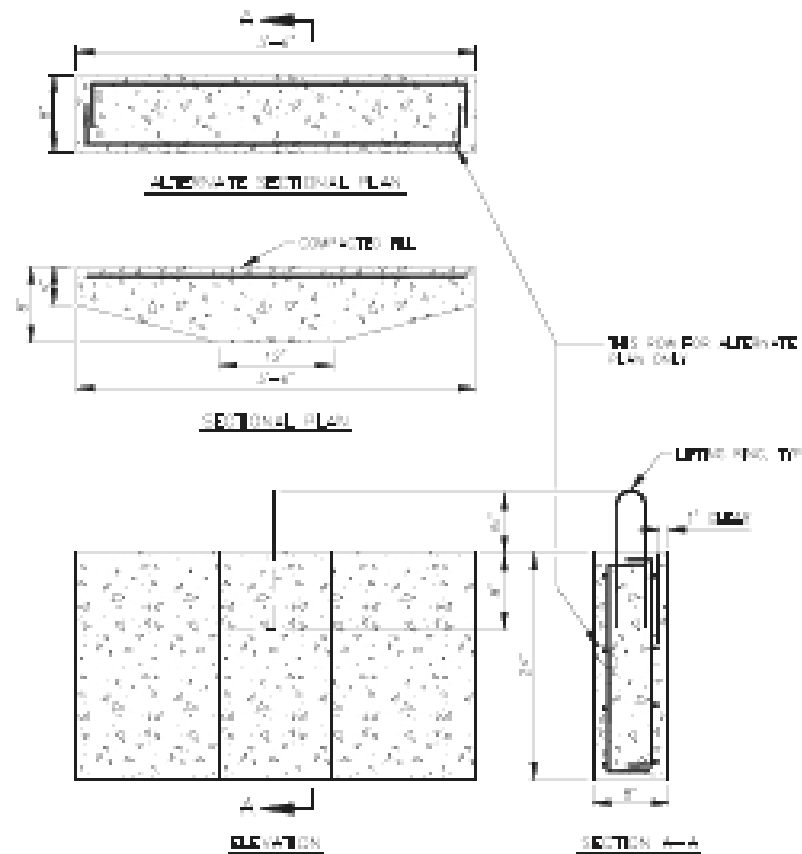
1. HYDRANT IS REQUIRED TO OTHER PROPER SURF ON THE END

2. APPROVED COLOR MAY BE OBTAINED FROM THE CITY AND RELATED TO SETTING HYDRANT IDENTIFICATION

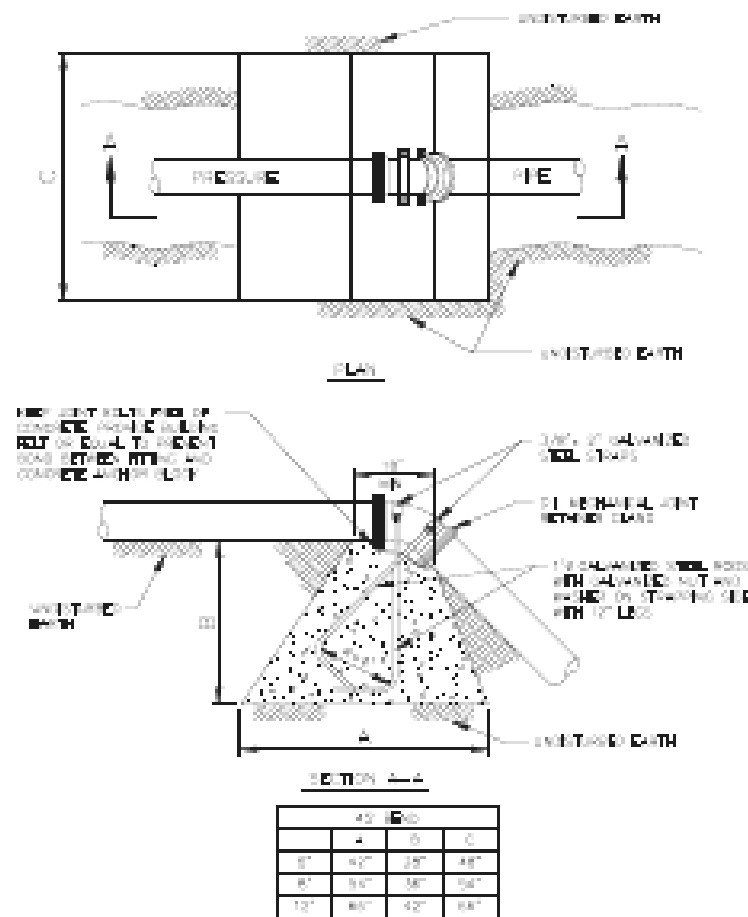
3. HYDRANT COUPLERS MAY BE REPLACED WITH IDENTIFIED PIPE (1\"

FIRE HYDRANT

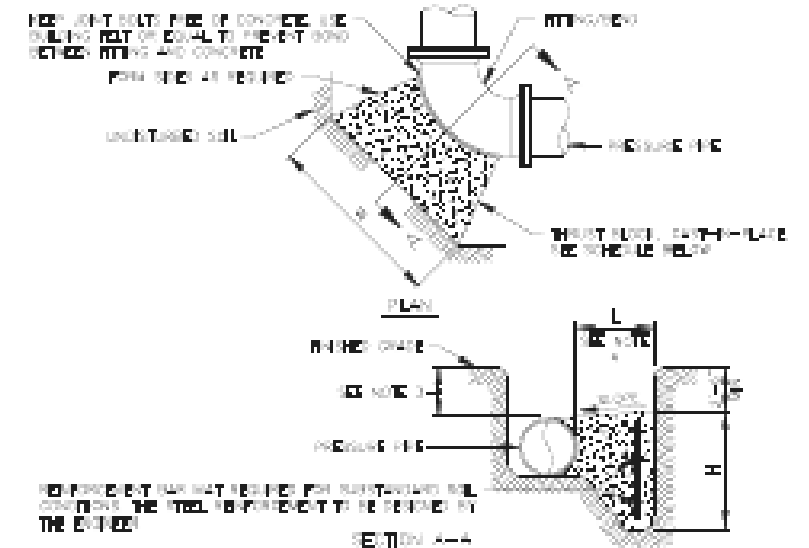
REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER DETAILS (1)		SHEET NO. 88
DATE	DESCRIPTION	DATE	DESCRIPTION						



- NOTES
1. Block was AC TYPED ON STEEL, AT THE CONTRACTORS OPTION
2. Reinforced to AC: 4 # 4" @ 12" C/S
3. Flat side of thrust block shall be placed against soil, connected to 100 # 10' length
4. Use where specified unless otherwise noted. All 14" 10' diameter pipe only.

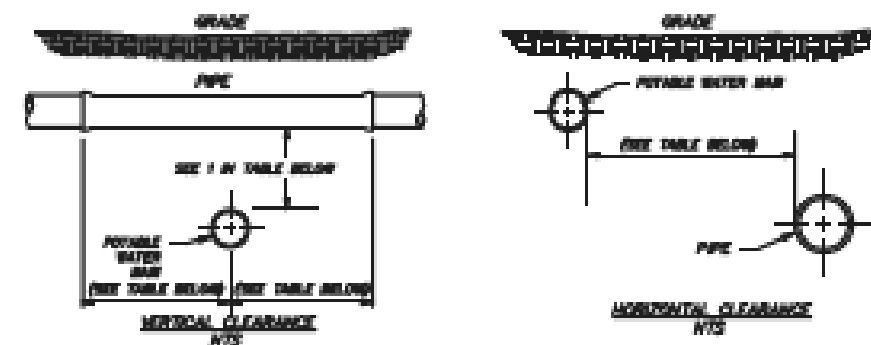


THRUST BLOCK DETAIL



SCHEDULE											
P/N SOLAR P/N C/N	P/N HEAVY DUTY								T/C OR P/LG		
	1 - 14'		20 - 22'		45'		90'				
	THURSTAL DENSITIES										
	H	%	H	%	H	%	H	%	H	%	
6"	1-07	1-07	1-07	1-07	1-07	2-07	2-07	3-07	1-08	2-07	
8"	1-07	1-07	1-07	2-07	2-07	3-07	3-07	4-07	2-08	3-07	
10"	1-07	2-07	1-07	3-07	2-07	4-07	1-07	5-07	3-08	4-07	
12"	1-06	3-07	2-06	3-07	3-06	5-07	4-07	6-07	3-08	5-07	
15"	2-06	4-07	2-06	5-07	3-07	7-07	5-07	9-07	5-08	8-07	
18"	3-06	5-07	3-06	6-07	4-07	8-07	7-07	11-07	6-08	9-07	
24"	5-06	6-07	5-06	8-07	7-07	9-07	9-07	12-07	7-08	11-07	

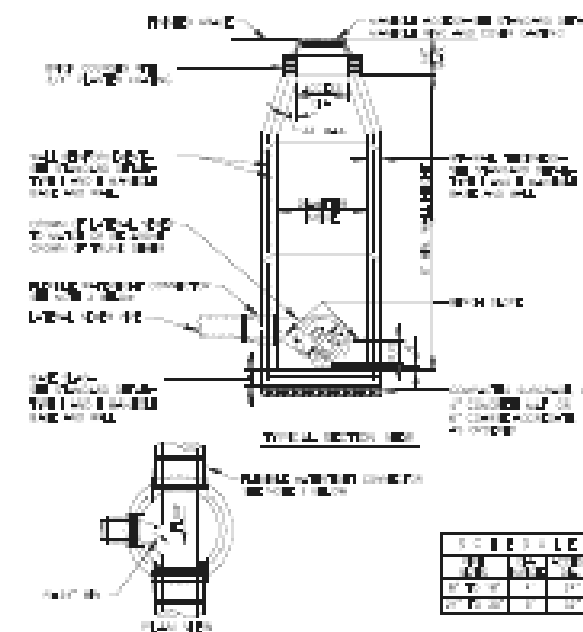
- NOTES:**
1. TEST PRESSURE FOR 6" THROUGH 12" IS 100 psi
 2. TEST PRESSURE FOR 16" THROUGH 24" IS 150 psi
 3. TEST PRESSURES ARE REQUIRED FOR A MINIMUM 3" OF COVER OVER THE PIPE IF LESS COVER EXISTS, SLACKS SHALL BE ELIMINATED AS ORDERED BY THE ENGINEER.
 4. L = 6' MINIMUM PIG TO INSPECTED TAIL.



PIPE	HORIZONTAL SEPARATION	CROSSING (2)	JOINT SPACING & CROSSING
MAJOR-TYPE SANITARY SEWER, STORM SEWER, COMBINATION FORCE MAIN, RECLAIMED WATER (2)	3 FT. MINIMUM	12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, WHEN 6" IS THE MINIMUM AND 12" IS PREFERRED	(P)ALL JOINTS COVERED, ALTERNATE 3 FT. MINIMUM FOR ALL JOINTS
MINORITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (2)	10 FT. PREFERRED- 6 FT. MINIMUM (2)	12 INCHES IS THE MINIMUM, EXCEPT FOR MINORITY SEWER, WHEN 6" IS THE MINIMUM AND 12" IS PREFERRED	(P)ALL JOINTS COVERED, ALTERNATE 3 FT. MINIMUM FOR ALL JOINTS
ON-ON SYSTEM TREATMENT & DISPOSAL SYSTEM	10 FT. MINIMUM		

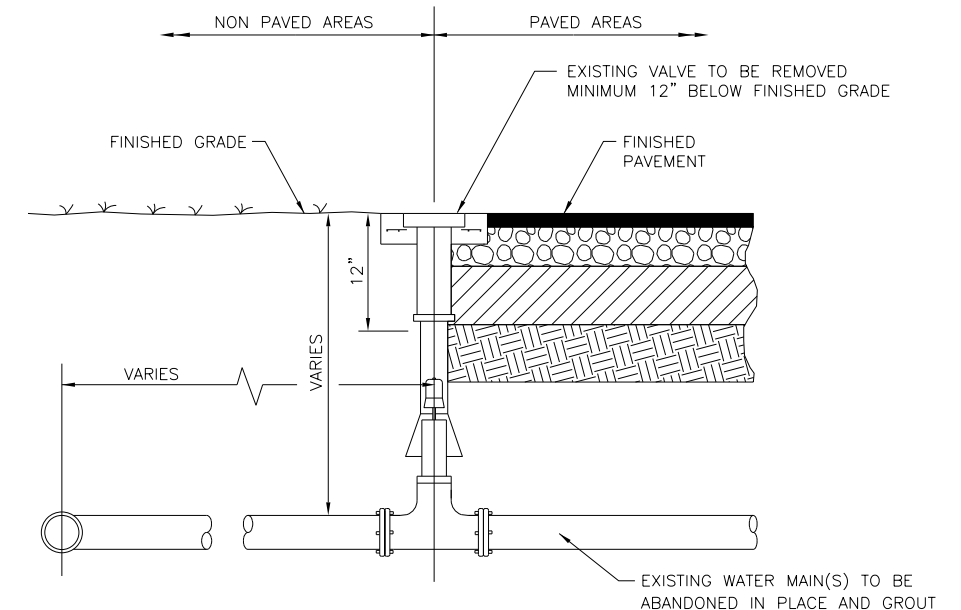
- NOTE: IN ACCORDANCE WITH F.A.C. RULE 62-080.004
1. POTENTIAL BRUSH MANN SHOULD CHOOSE ABOVE OTHER FIVE, SINCE POTENTIAL BRUSH MANN MAY BE THE MOST DANGEROUS FIVE, THE GROUND SENSATION IS 11 MILES.
 2. POTENTIAL BRUSH MANN SHOULD CHOOSE ABOVE OTHER FIVE, SINCE POTENTIAL BRUSH MANN MAY BE THE MOST DANGEROUS FIVE, THE GROUND SENSATION IS 11 MILES.
 3. 1/2 IN. FOR BRUSH MANN SHOULD CHOOSE ABOVE THE OTHER FIVE, SINCE POTENTIAL BRUSH MANN IS THE MOST DANGEROUS FIVE, THE GROUND SENSATION IS 11 MILES.
 4. POTENTIAL BRUSH MANN SHOULD CHOOSE ABOVE OTHER FIVE, SINCE POTENTIAL BRUSH MANN MAY BE THE MOST DANGEROUS FIVE, THE GROUND SENSATION IS 11 MILES.

WATER MAIN CLEARANCES DETAIL



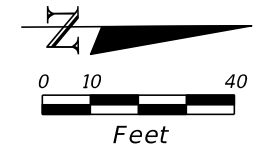
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SANITARY PRECAST MANHOLE DETAIL

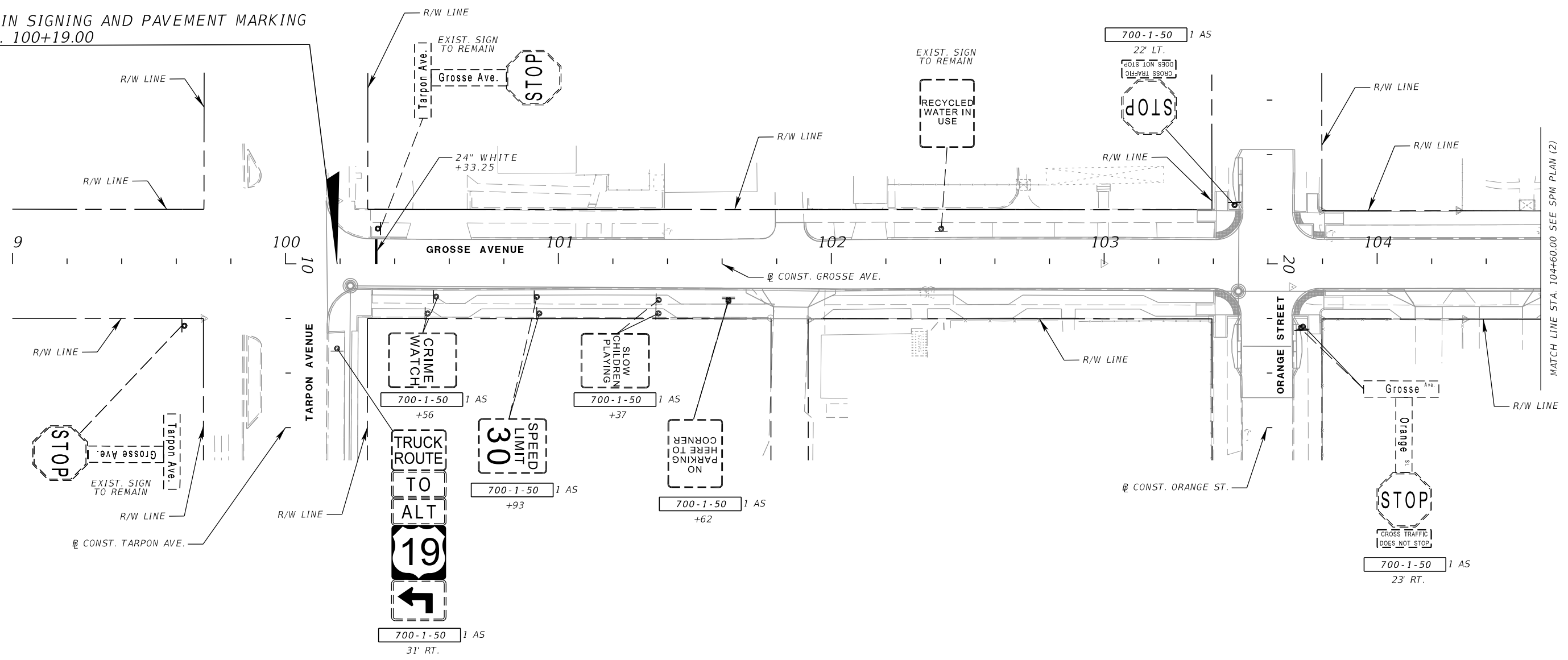


VALVE REMOVAL DETAIL

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	WATER & SANITARY SEWER DETAILS (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					89



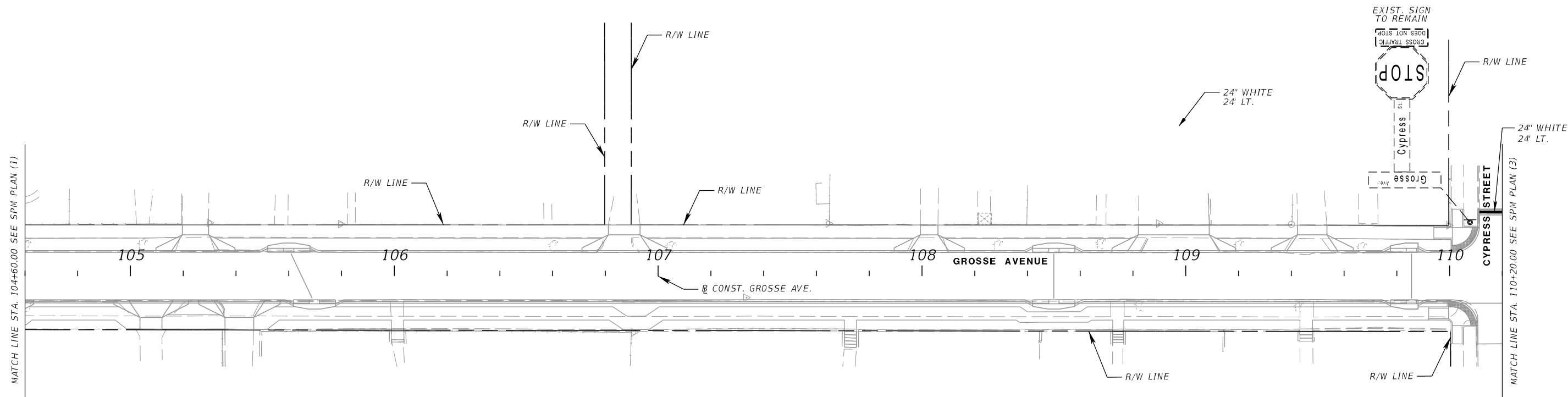
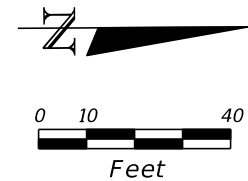
BEGIN SIGNING AND PAVEMENT MARKING
STA. 100+19.00



NOTE:
ALL STATION & OFFSET CALLOUTS
REFERENCE $\varnothing$ CONST. GROSSE AVE.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SIGNING AND PAVEMENT MARKING PLAN (1)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION						90	

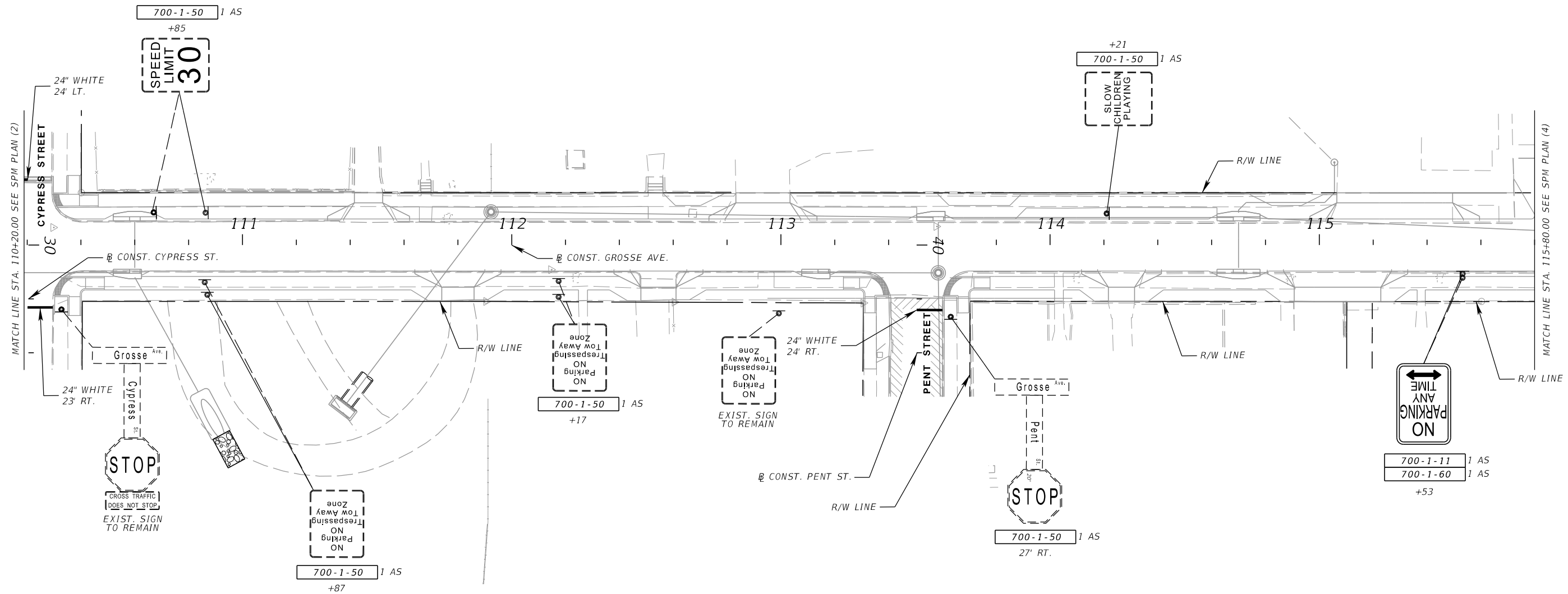
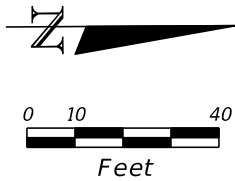
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NOTE:
ALL STATION & OFFSET CALLOUTS
REFERENCE $\varnothing$ CONST. GROSSE AVE.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SIGNING AND PAVEMENT MARKING PLAN (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					91

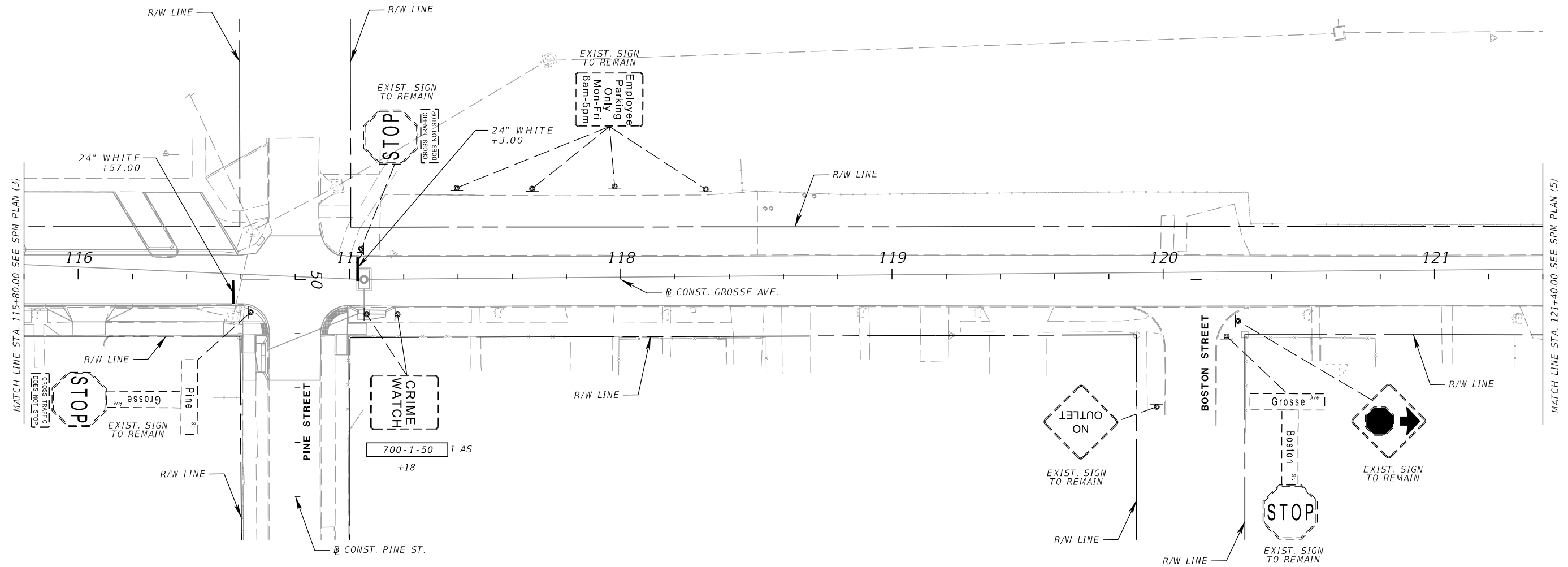
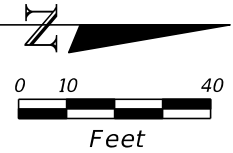
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NOTE:
ALL STATION & OFFSET CALLOUTS
REFERENCE @ CONST. GROSSE AVE.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230		CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SIGNING AND PAVEMENT MARKING PLAN (3)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION						92	

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NOTE:
ALL STATION & OFFSET CALLOUTS
REFERENCE $\frac{1}{2}$ CONST. GROSSE AVE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

BRYAN A. ANDERSON, P.E.
P.E. LICENSE NUMBER 64617
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HWY. SUITE 201
TAMPA, FL 33618
CERTIFICATE OF AUTHORIZATION NO. 8230

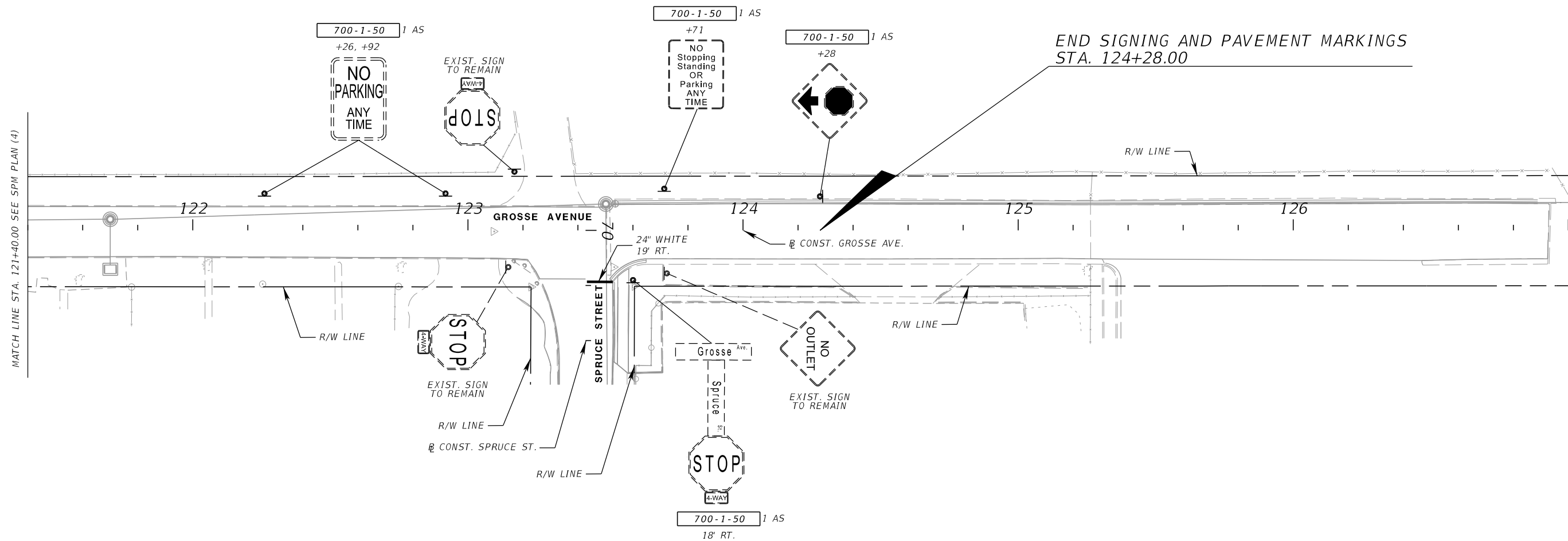
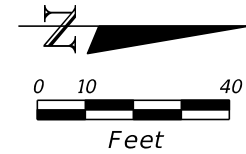


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

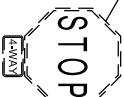
*SIGNING AND PAVEMENT
MARKING PLAN (4)*

SHEET NO.
93

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END SIGNING AND PAVEMENT MARKINGS
STA. 124+28.00



NOTE:
ALL STATION & OFFSET CALLOUTS
REFERENCE $\mathbb{B}$ CONST. GROSSE AVE.

REVISIONS				BRYAN A. ANDERSON, P.E. P.E. LICENSE NUMBER 64617 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HWY. SUITE 201 TAMPA, FL 33618 CERTIFICATE OF AUTHORIZATION NO. 8230
DATE	DESCRIPTION	DATE	DESCRIPTION	

 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SIGNING AND PAVEMENT MARKING PLAN (5)	SHEET NO.
		94