

CITY OF TARPON SPRINGS

PLANS OF PROPOSED PALM AVENUE DRAINAGE IMPROVEMENTS

CITY OF TARPON SPRINGS PROJECT NO. 180725
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PROJECT NO. N867
TO HOLIDAY

THIS CONTRACT PLAN SET INCLUDES:

ROADWAY PLANS

INDEX OF PLANS

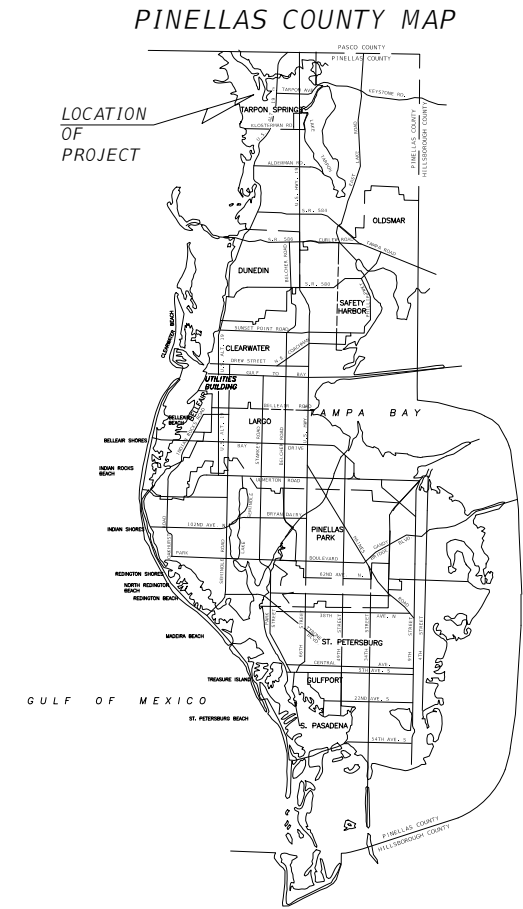
SHEET NO.	SHEET DESCRIPTION
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3	SUMMARY OF PAY ITEMS
4-5	DRAINAGE MAP
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45-46	SIGNING AND PAVEMENT MARKING PLAN



SECTIONS 11 & 14, TOWNSHIP 27S, RANGE 15E

TO PALM HARBOR

LOCATION MAP
N.T.S.



CITY OF TARPON SPRINGS CITY COMMISSIONERS

MAYOR	CHRIS ALAHOZOS
VICE MAYOR	DAVID BANTHER
COMMISSIONER	JACOB KARR
COMMISSIONER	SUSAN MICCIO-KIKTA
COMMISSIONER	REA SIEBER

PREPARED BY: **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: CHARLES T. CURTIS

P.E. NO.: 82185

REVISIONS

DATE	BY	DESCRIPTION

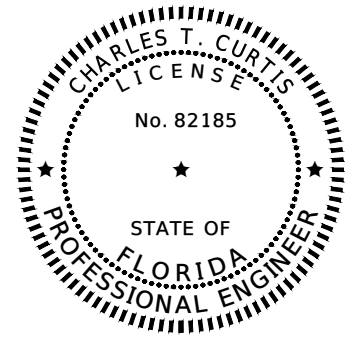
GOVERNING STANDARDS AND SPECIFICATIONS

1. CITY OF TARPON SPRINGS STANDARD TECHNICAL SPECIFICATIONS (FEBRUARY 2011)
2. FLORIDA DEPARTMENT OF TRANSPORTATION
 - a) 2019-2020 STANDARD PLANS FOR CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM
 - b) 2019-2020 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (DIVISION II AND III OF FLORIDA DEPARTMENT OF TRANSPORTATION, LATEST EDITION)
3. PINELLAS COUNTY STANDARD TECHNICAL SPECIFICATIONS FOR UTILITIES (JUNE 2018)
4. PINELLAS COUNTY MATERIAL SPECIFICATION MANUAL (SEPTEMBER 2015)

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION

SHEET
NO.

1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL


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ON ANY ELECTRONIC COPIES.

ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
TAMPA, FLORIDA 33618
CERTIFICATE OF AUTHORIZATION NO.: 8230
CHARLES T. CURTIS P.E. NO. 82185

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
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REVISIONS				CHARLES T. CURTIS, P.E. P.E. LICENSE NUMBER 82185 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HIGHWAY, SUITE 201 TAMPA, FLORIDA 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

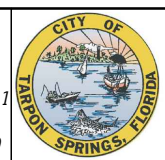
ROADWAY			
PAY ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0110 1 1	CLEARING & GRUBBING	AC	2.39
0104 10 3	SEDIMENT BARRIER	LF	2193
0104 11	FLOATING TURBIDITY BARRIER	LF	75
0120 1	REGULAR EXCAVATION	CY	701
0120 6	EMBANKMENT	CY	333
0121 70	FLOWABLE FILL	CY	1.0
0160 4	TYPE B STABILIZATION	SY	1967
0285711	OPTIONAL BASE, BASE GROUP 11 (RECYCLED CONCRETE AGGREGATE (RCA))	SY	1823
0327 70 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY	359
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	909
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	302
0425 2 61	MANHOLES, P-8, <10'	EA	4
0425 2 62	MANHOLES, P-8, >10'	EA	4
0425 2 91	MANHOLES, J-8, <10'	EA	1
0425 1541	INLETS, DT BOT, TYPE D, <10'	EA	3
0425 1701	INLETS, GUTTER, TYPE S, <10'	EA	4
0430175118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	520
0430175124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	76
0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	1180
0430982125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	1
0430982133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	1
0436 1 1	TRENCH DRAIN, STANDARD	LF	35
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	59
0520 2 4	CONCRETE CURB, TYPE D	LF	36
0520 6	SHOULDER GUTTER- CONCRETE	LF	250
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	322
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	327
0524 1 29	CONCRETE DITCH PAVEMENT, 4", REINFORCED	SY	52
0527 2	DETECTABLE WARNINGS	SF	20
0550 10220	FENCING, TYPE B, 5.1 - 6.0', STANDARD	LF	542
0550 60223	FENCE GATE, TYPE B, DBL, 12.1 - 18.0' OPENING	EA	1
0570 1 2	PERFORMANCE TURF, SOD	SY	6740

SIGNING AND PAVEMENT MARKING			
PAY ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
0700-1-50	SINGLE POST SIGN, RELOCATE	AS	5
0706-3	RETRO-REFLECTIVE PAVEMENT MARKERS, YELLOW/ YELLOW	EA	38
0710 11 101	PAINTED PVMT MARK, STD, WHITE, SOLID, 6"	GM	0.13
0710 11 125	PAINTED PVMT MARK, STD, WHITE, SOLID, 24"	LF	41
0710 11 201	PAINTED PVMT MARK, STD, YELLOW, SOLID, 6"	GM	0.22
0711 11 121	TRAFFIC STRIPE SOLID THERMOPLASTIC WHITE 6"	LF	688
0711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24", FOR STOP LINE AND CROSSWALK	LF	41
0711 11 221	TRAFFIC STRIPE SOLID THERMOPLASTIC YELLOW 6"	LF	1150

UTILITIES			
PAY ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
1050 16004	UTILITY PIPE, REMOVE & DISPOSE, 8-19.9"	LF	33
1050 31208	UTILITY PIPE - PVC, F&I 8"	LF	33
1050 61112	UTILITY PIPE - STEEL, F&I, CASING, 12"	LF	5
1055 31408	FERNCO COUPLING	EA	1
1080 21 500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	EA	9

REVISIONS			
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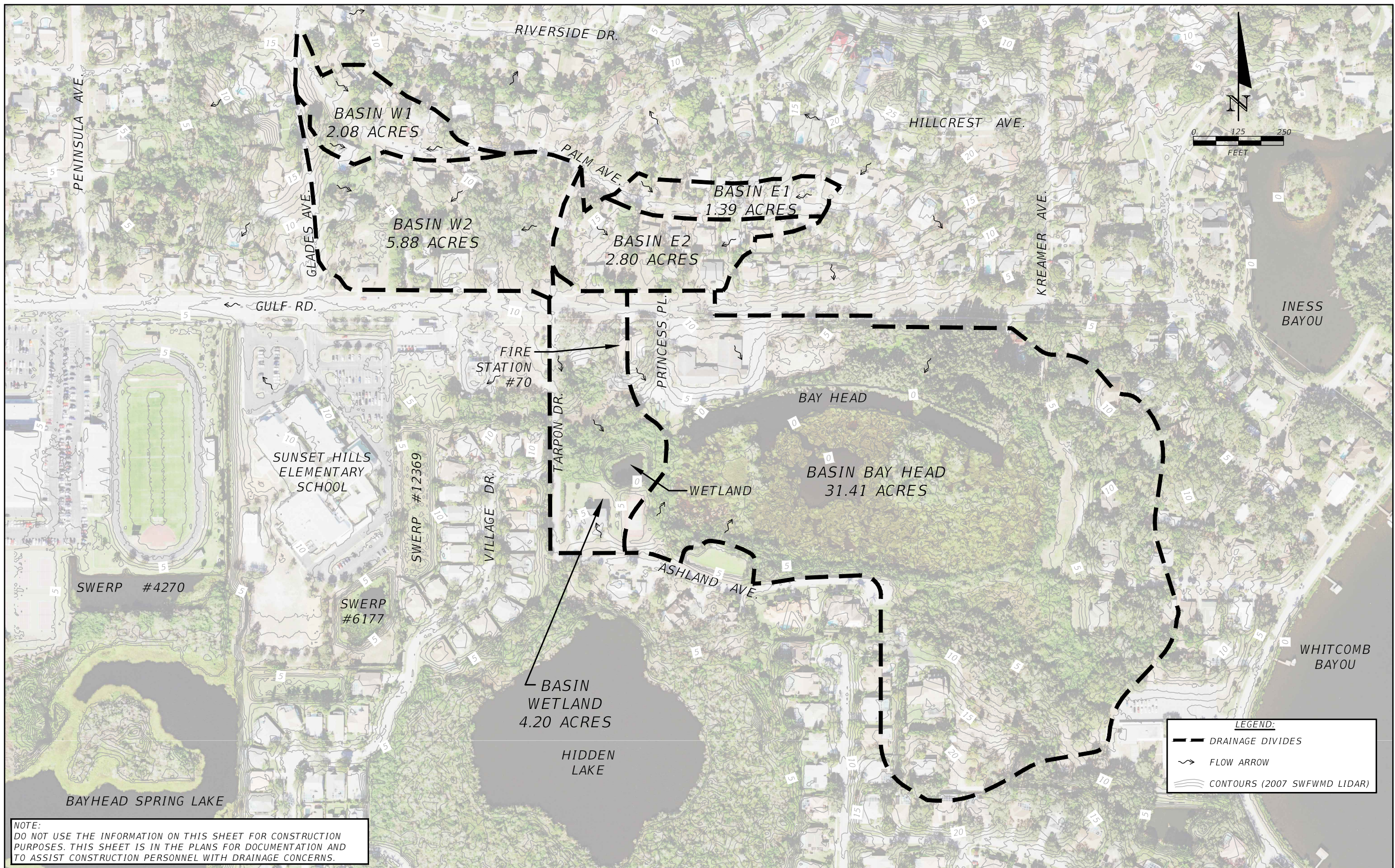


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
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SUMMARY OF PAY ITEMS

SHEET NO.
3

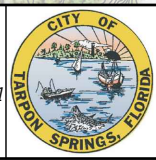
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NOTE:
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

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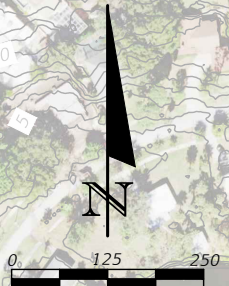
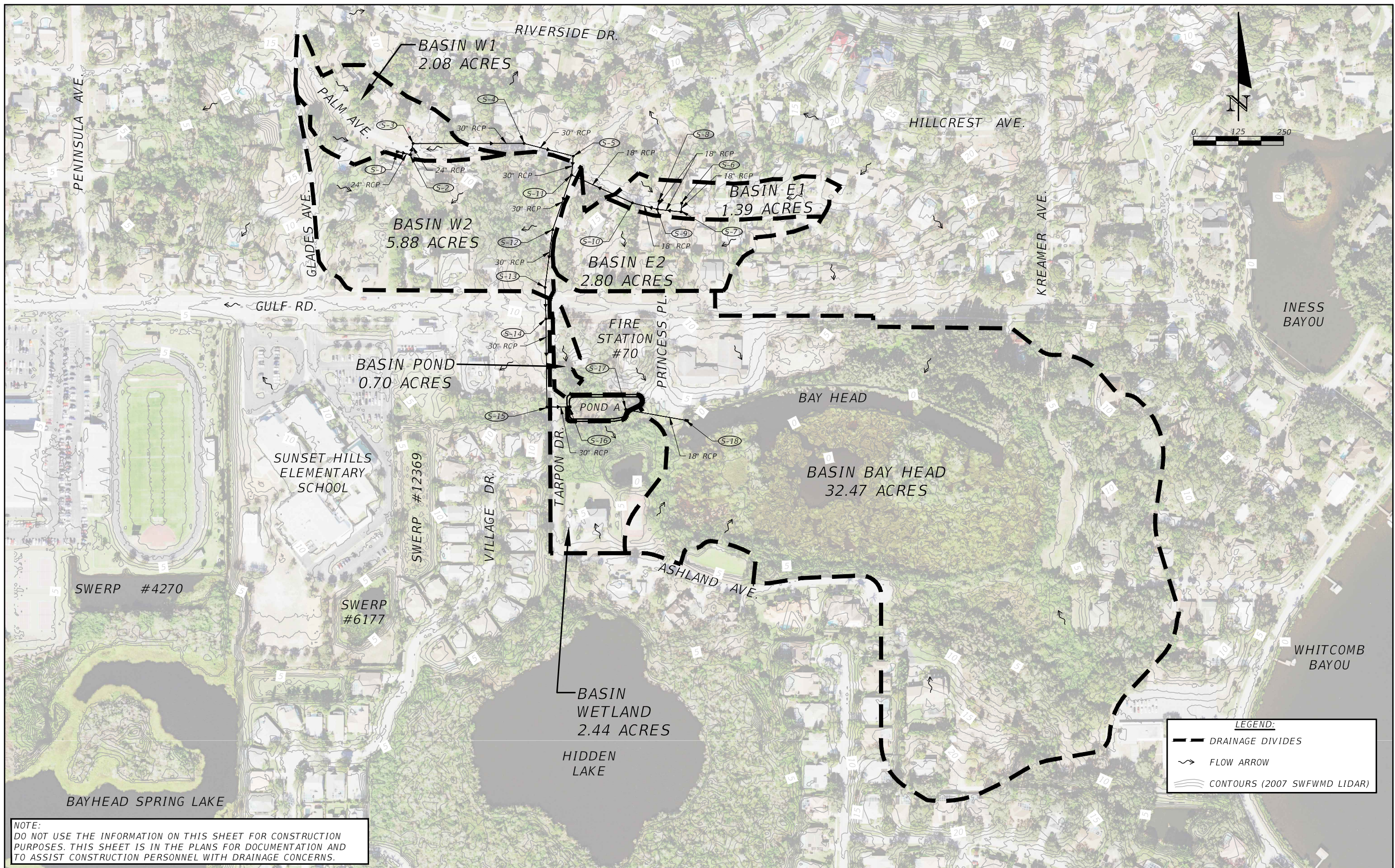


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EXISTING DRAINAGE MAP

SHEET NO.
4

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LEGEND:

- DRAINAGE DIVIDES
- FLOW ARROW
- CONTOURS (2007 SWFWMD LIDAR)

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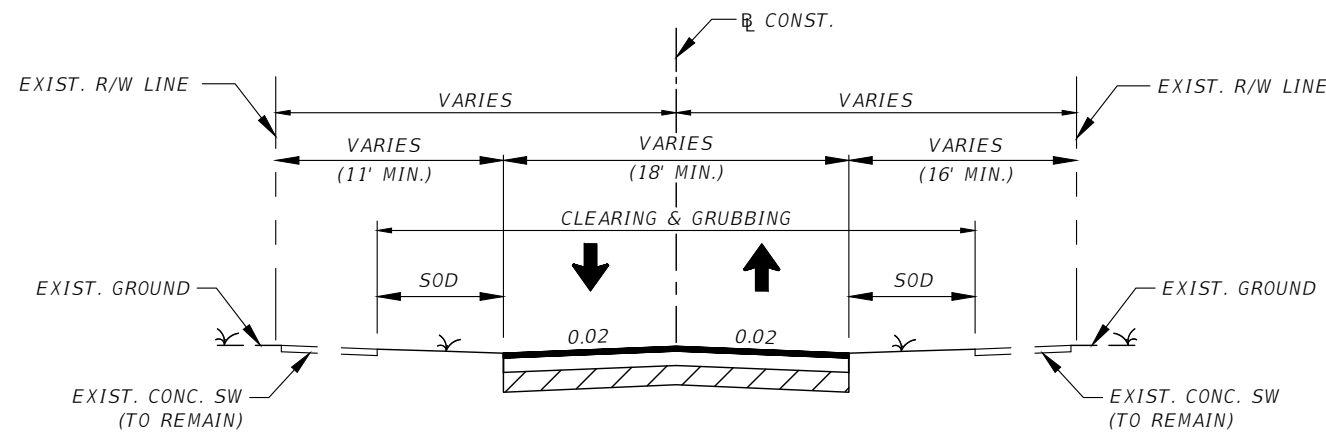


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PROPOSED DRAINAGE MAP

SHEET NO.
5

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TYPICAL SECTION 1

NTS
TARPON DRIVE
STA. 10+00.00 TO STA. 17+28.00

MILLING & RESURFACING

STA. 13+05.52 TO STA. 14+16.92
MILL EXISTING ASPHALT PAVEMENT
FOR DEPTH (3.0")
TYPE SP STRUCTURAL COURSE
(3.0") (TRAFFIC C)

STA. 14+16.92 TO STA. 17+20.68
MILL EXISTING ASPHALT PAVEMENT
FOR DEPTH (1.5")
TYPE SP STRUCTURAL COURSE
(1.5") (TRAFFIC C)

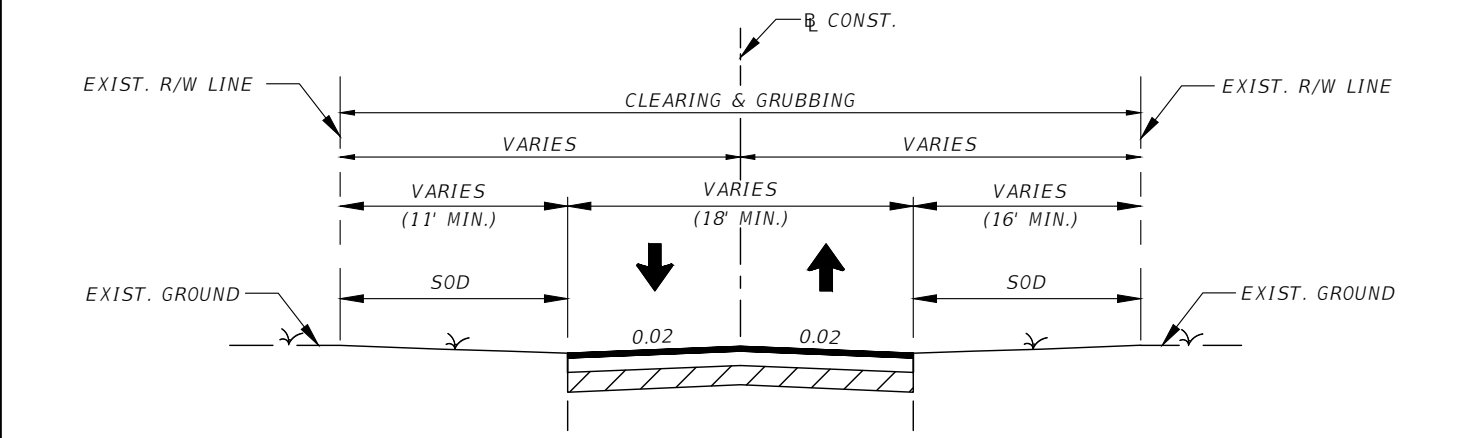
RESTORATION

STA. 10+68.98 TO STA. 10+76.58
STA. 15+02.16 TO STA. 17+16.55
STA. 17+19.00 TO STA. 17+28.00
OPTIONAL BASE GROUP 11 (RCA ONLY) WITH
TYPE SP STRUCTURAL COURSE
(1.5") (TRAFFIC C)

STA. 13+30.40 TO STA. 13+80.67
OPTIONAL BASE GROUP 11 (RCA ONLY) WITH
TYPE SP STRUCTURAL COURSE
(3.0") (TRAFFIC C)

DESIGN SPEED:
TARPON DRIVE = 30 MPH

STATION LIMITS OF PAVEMENT RESTORATION
TO BE VERIFIED PER CITY OF TARPON SPRINGS INDEX G-06



TYPICAL SECTION 2

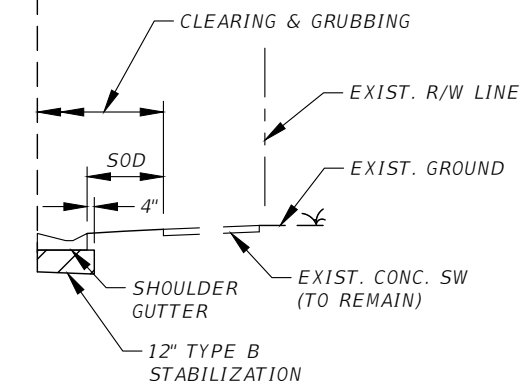
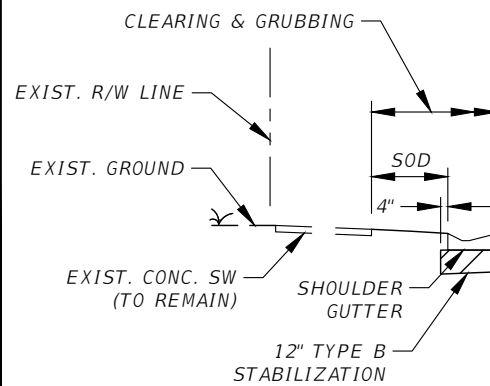
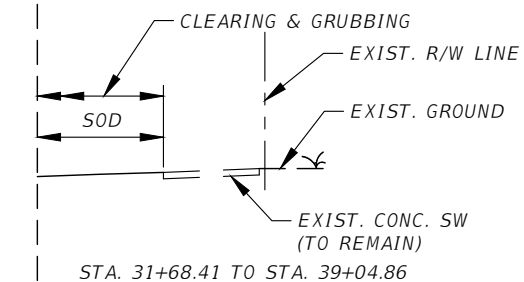
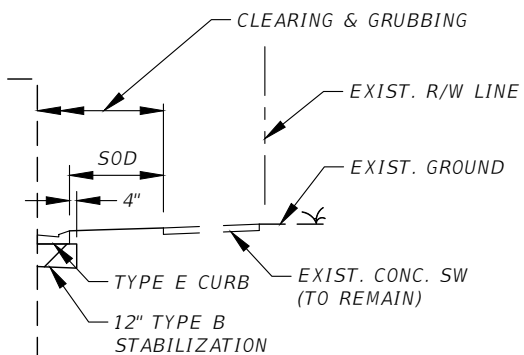
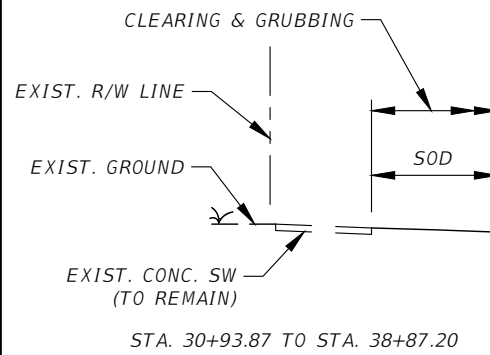
NTS
PALM AVENUE
STA. 30+93.87 TO STA. 40+48.61

MILLING & RESURFACING

STA. 30+96.56 TO STA. 32+03.50
STA. 32+08.46 TO STA. 36+57.53
STA. 36+54.98 TO STA. 39+17.21
STA. 39+95.96 TO STA. 40+47.39
MILL EXISTING ASPHALT PAVEMENT
FOR DEPTH (1.5")
TYPE SP STRUCTURAL COURSE
(1.5") (TRAFFIC C)

RESTORATION

STA. 32+01.21 TO STA. 32+10.40
STA. 33+61.40 TO STA. 35+10.73
STA. 35+26.49 TO STA. 36+17.62
STA. 36+48.45 TO STA. 36+69.37
STA. 38+67.99 TO STA. 39+95.96
OPTIONAL BASE GROUP 11 (RCA ONLY) WITH
TYPE SP STRUCTURAL COURSE
(1.5") (TRAFFIC C)

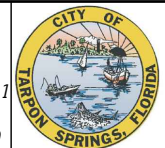


DESIGN SPEED:
PALM AVENUE = 25 MPH

STATION LIMITS OF PAVEMENT RESTORATION
TO BE VERIFIED PER CITY OF TARPON SPRINGS INDEX G-06

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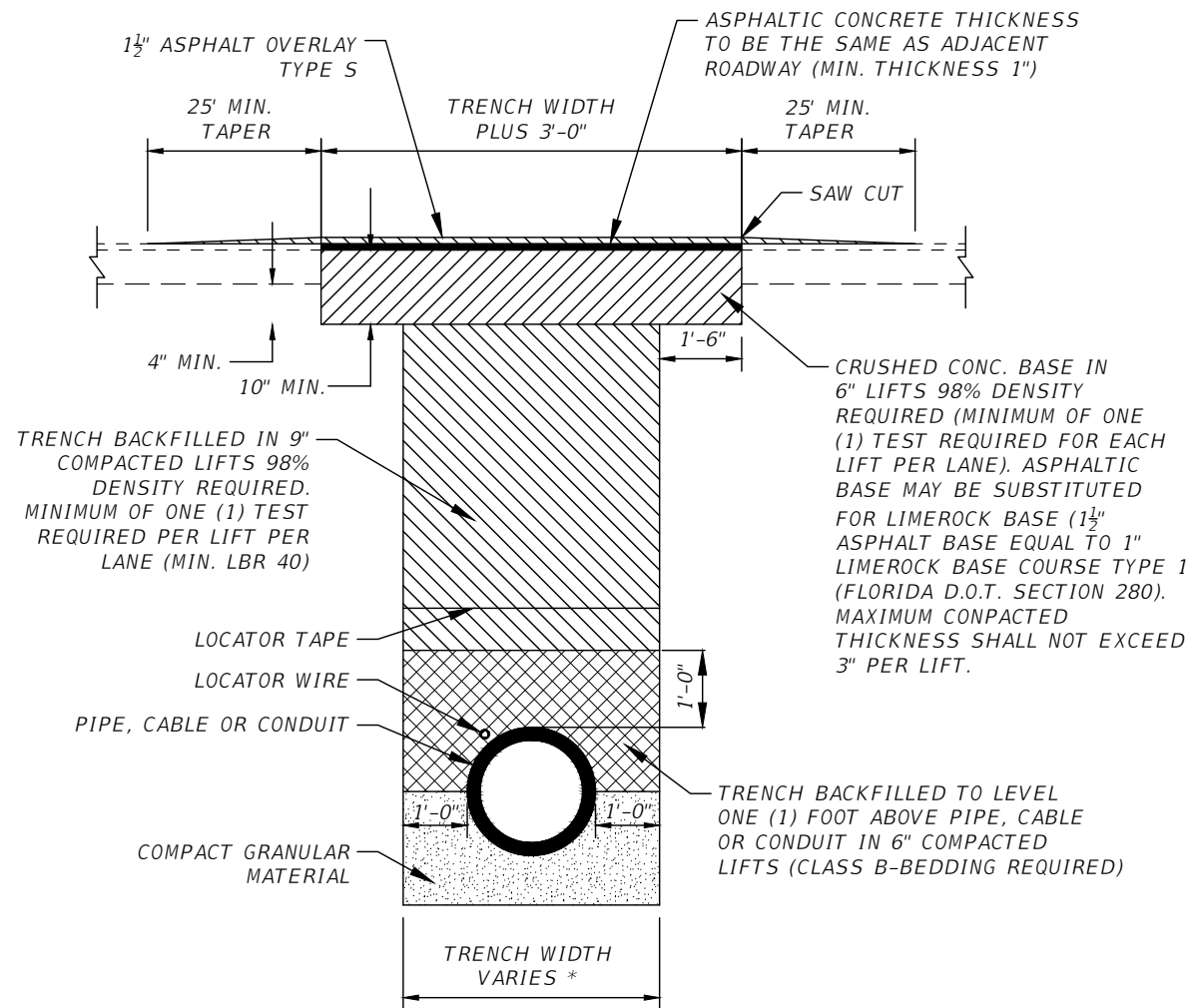
CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
(727) 942-5610

TYPICAL SECTION (1)

SHEET NO.

6

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* TRENCH WIDTH = PIPE OUTSIDE DIAMETER PLUS 2 FEET

ASPHALT RESTORATION
N.T.S.

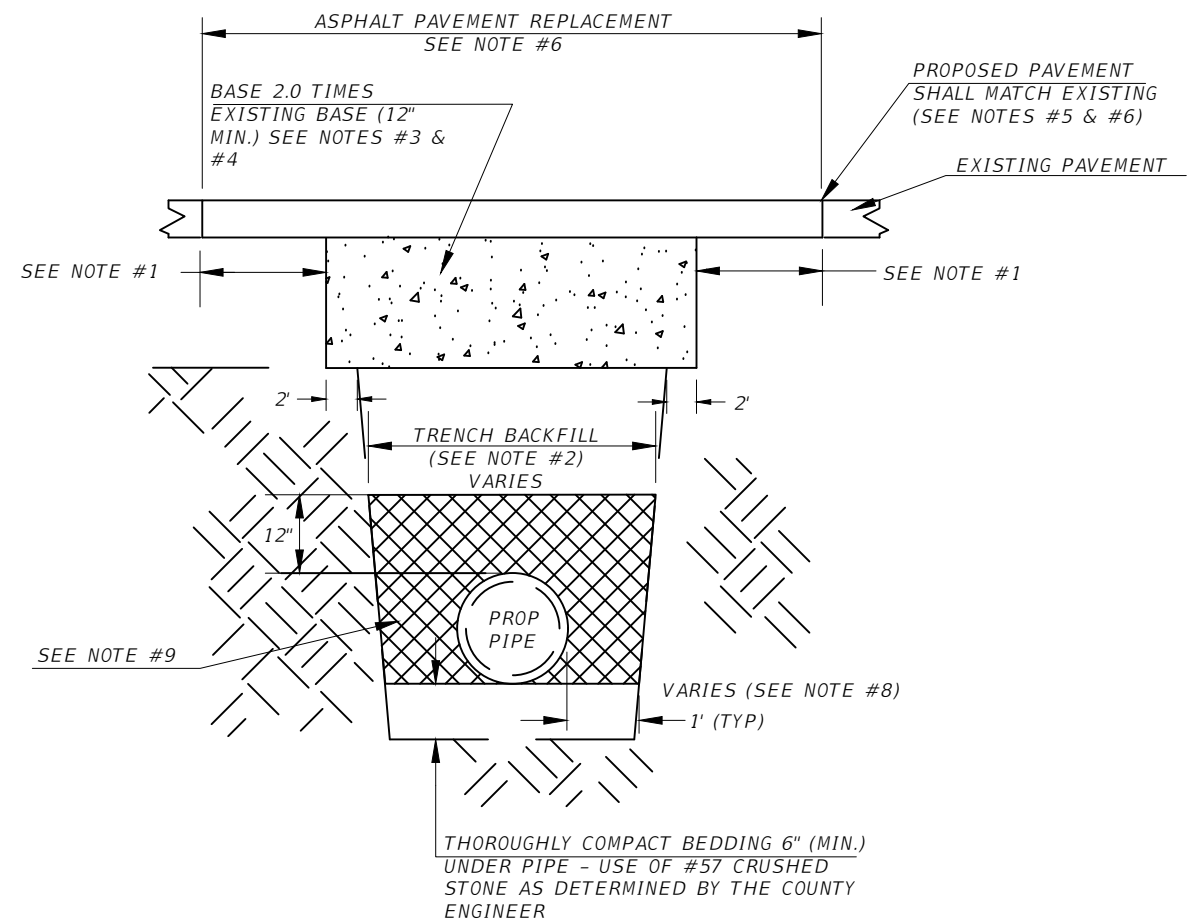
PALM AVENUE
ROAD AND TRENCH RESTORATION
CITY OF TARPON SPRINGS (INDEX G-6)

NOTES:

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

NOTES:

1. MILLING AND RESURFACING LIMITS: 3'-0" FOR RESIDENTIAL ROADWAYS; 25'-0" FOR ALL OTHER TYPES OF ROADWAYS. SHALL INCLUDE ENTIRE LANE WIDTH.
2. BACKFILL FOR TRENCH SHALL BE PLACED IN 6" COMPACTED LAYERS TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. (EXCAVATABLE FLOWABLE FILL OPTION IS SUBJECT TO COUNTY ENGINEER'S APPROVAL). TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY.
3. BASE MATERIAL SHALL BE LIME ROCK OR CRUSHED CONCRETE (MIN. LBR 100) AND SHALL BE PLACED IN 6" COMPACTED LAYERS TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 (MODIFIED) (TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY).
4. AS AN ALTERNATIVE TO COMPACTED BASE AND IN WET AREAS, FULL-LIFT ASPHALTIC CONCRETE, FINE TRAFFIC LEVEL C TYPES SP-9.5 OR 12.5, SHALL BE PLACED IN 2" COMPACTED LAYERS WITH A MINIMUM THICKNESS EQUAL TO THE EXISTING BASE (6" MIN.).
5. ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE SAW-CUT AND ALL SURFACES TACK COATED.
6. ASPHALT SURFACE SHALL BE CONSISTENT WITH EXISTING GRADE. IN ACCORDANCE WITH PINELLAS COUNTY SPECIFICATIONS, THE FOLLOWING ROADWAY CLASSIFICATION TYPE/THICKNESS ARE REQUIRED: ARTERIAL-3" MIN. TYPE SP-12.5 FINE TRAFFIC LEVEL "C"; COLLECTOR-2" MIN. TYPE SP-12.5 FINE TRAFFIC LEVEL "C"; RESIDENTIAL-1 1/2" MIN. TYPE SP-9.5 TRAFFIC LEVEL "C" (TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY).
7. OVERLAY OF CONSTRUCTION SCARS TO PAVEMENT AND TRENCH SHALL BE REQUIRED AS DIRECTED BY THE COUNTY ENGINEER.
8. EXCAVATION SHALL COMPLY WITH THE TRENCH SAFETY ACT REQUIREMENTS.
9. INSTALL DRY COMPACTABLE MATERIAL AROUND THE PIPE.
10. ALL MATERIAL, WORK AND TESTING SHALL MEET PINELLAS COUNTY STANDARD SPECIFICATIONS.
11. CONTRACTOR SHALL RESTORE PAVEMENT TO MATCH THE GRADES THAT EXISTED PRIOR TO CONSTRUCTION. ANY ADDITIONAL SURVEY NECESSARY TO ENSURE THAT THIS REQUIREMENT IS MET SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.

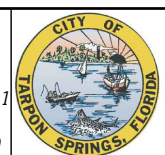


ASPHALT RESTORATION
N.T.S.

TARPON DRIVE
PAVEMENT CUTS, EXCAVATION AND RESTORATION
PINELLAS COUNTY (INDEX 1291)

REVISIONS			
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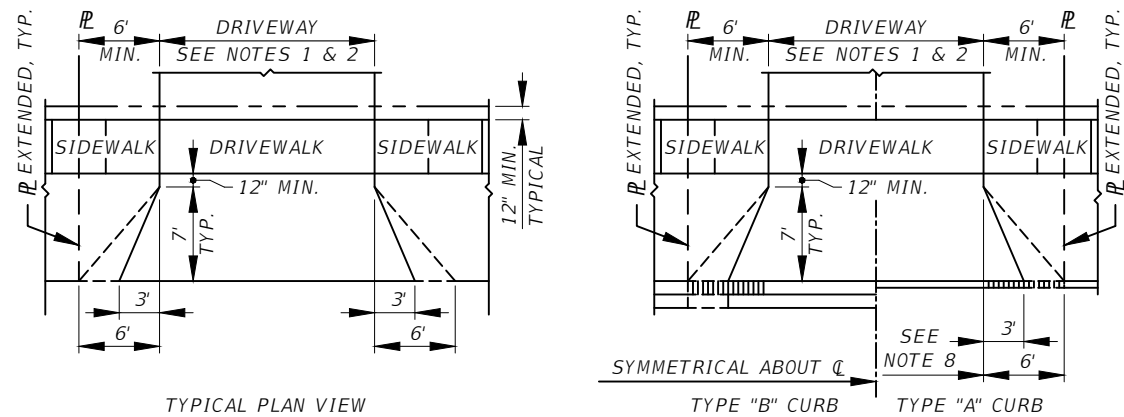


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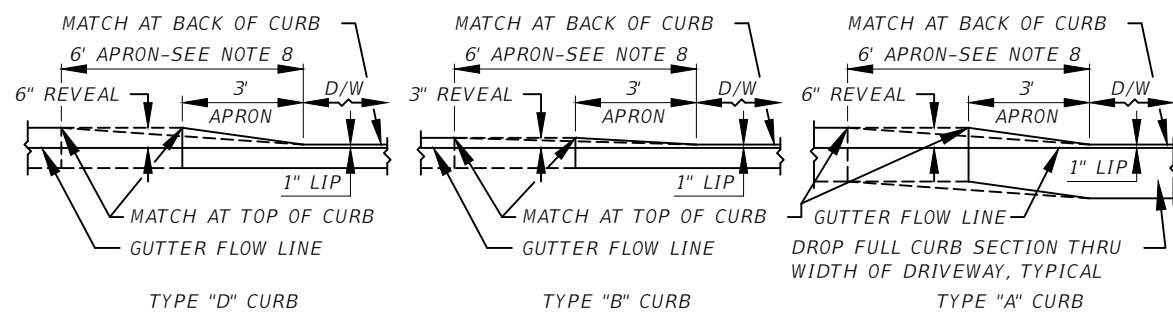
TYPICAL SECTION (2)

SHEET NO.
7

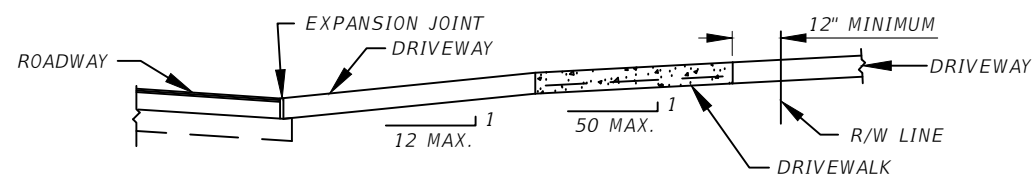
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TYPICAL PLAN VIEWS



TYPICAL CURB ELEVATION VIEWS
LOOKING AT FACE OF CURB

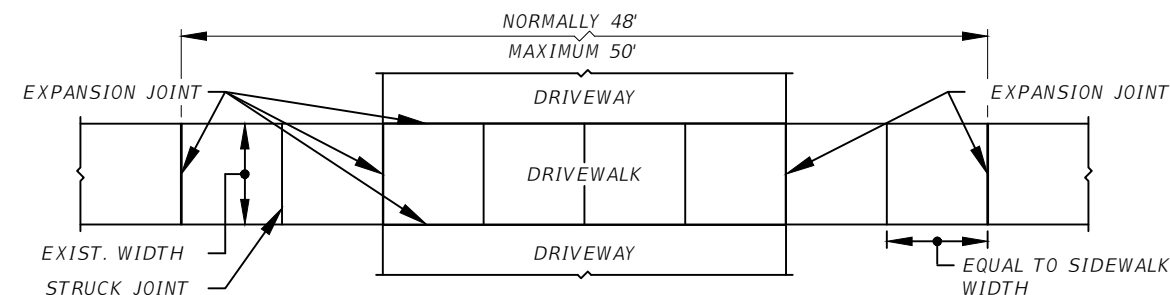


TYPICAL SECTION VIEW

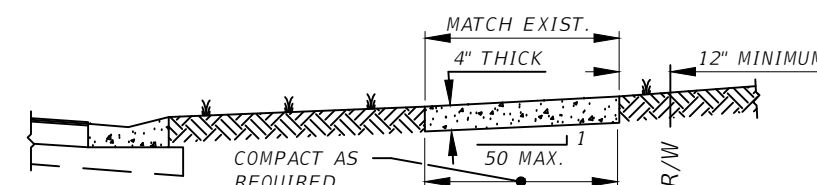
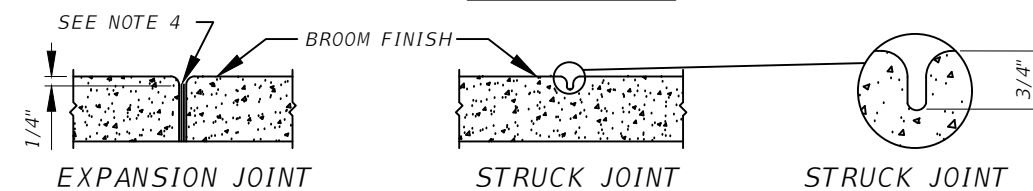
NOTES:

1. DRIVEWAY WIDTHS: 10' MINIMUM TO 20' MAXIMUM, STANDARD.
2. IF EXISTING DRIVEWAY IS LESS THAN 10' WIDE AT THE R/W LINE: REPLACEMENT WIDTH AT BACK OF SIDEWALK SET AT 10' WIDE, THEN TAPER 1:6 TO MATCH EXISTING WIDTH.
3. ALL RESIDENTIAL CONCRETE DRIVES SHALL BE PLACED ON A COMPACTED SUBGRADE AND SHALL BE 6" THICK REINFORCED WITH A SINGLE LAYER OF WWF 6x6-W1.4xW1.4.
4. ALL CONCRETE SHALL BE 3000 psi @ 28 DAYS MINIMUM.
5. ALL ASPHALTIC CONCRETE DRIVEWAYS SHALL BE PLACED ON A MINIMUM 5" COMPACTED LIMEROCK OR SHELL BASE OVER A COMPACTED SUBGRADE, AS APPROVED BY THE ENGINEER. ASPHALTIC DRIVES SHALL BE A MINIMUM 1" THICK OF DOT TYPE S-III ASPHALTIC CONCRETE, OR OTHER ASPHALTS WITH APPROVAL BY THE ENGINEER.
6. ALL BRICK DRIVEWAYS SHALL BE PLACED ON A 1" COMPACTED SAND BED OVER A MINIMUM 5" COMPACTED SHELL SUBGRADE.
7. NO DRIVEWAYS SHALL BE ALLOWED IN CURB RADII.
8. WHEN THE SIDEWALK ABUTS THE CURB THE WING SHALL BE 6' WIDE AS SHOWN.
9. FOR DROPPED CURB REQUIREMENTS, SEE STANDARD DETAIL-TYPE "A", "B", "C", AND "D" CURB.

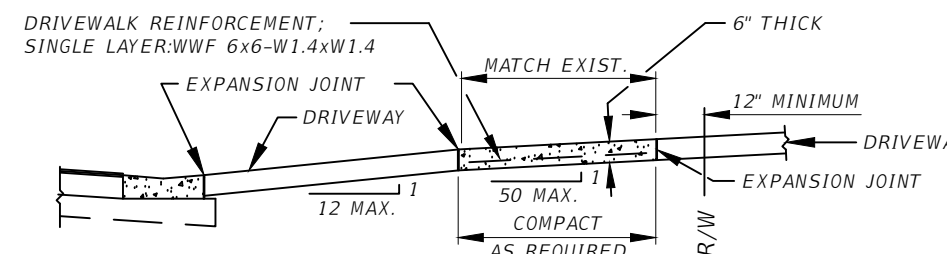
RESIDENTIAL DRIVEWAY CONSTRUCTION DETAIL



TYPICAL PLAN



TYPICAL SIDEWALK SECTION



TYPICAL DRIVEWALK SECTION

NOTES:

1. SIDEWALKS SHALL BE CONCRETE AND HAVE TOOLED EDGES.
2. RESTORATION AND UTILITY CUTS SHALL BE A MINIMUM FULL PANEL BETWEEN EXISTING JOINTS.
3. EXPANSION JOINTS SHALL BE INSTALLED WHERE SHOWN AND AT 50' MAXIMUM SPACING.
4. EXPANSION JOINTS SHALL CONSIST OF CONTINUOUS 1/2"x6" MINIMUM, BITUMINOUS EXPANSION STRIP.
5. SIDEWALKS SHALL CONFORM TO CITY CODE AS FOLLOWS: SIDEWALKS SHALL BE REQUIRED ON BOTH SIDES OF ALL MAJOR ARTERIAL AND COLLECTOR STREETS; ON THE NORTH AND WEST SIDES OF ALL LOCAL STREETS, COMMERCIAL SERVICE STREET; AND LOCAL STREETS LEADING TO SCHOOLS, PARKS, SHOPPING CENTERS, CHURCHES, AND OTHER PUBLIC FACILITIES. SIDEWALK WIDTHS SHALL BE NOT LESS THAN THE FOLLOWING:
 A-6' ALONG ARTERIAL AND COLLECTOR ROADWAYS.
 B-4' ALONG ROADWAYS NOT DESIGNATED ON TRAFFIC CORRIDORS MAP, IN RESIDENTIAL AND INDUSTRIAL ZONES.*
 C-5' ALONG ROADWAYS NOT DESIGNATED ON THE TRAFFIC CORRIDORS MAP, IN COMMERCIAL AND OFFICE ZONES.*
 D-4' FOR PEDESTRIAN CROSSWALKS.
 E-12' FOR PEDESTRIAN/BICYCLE JOINT USE.
 *-ALL SIDEWALKS ABUTTING CURBS SHALL BE 6' WIDE, MINIMUM.

SIDEWALK AND DRIVEWALK CONSTRUCTION DETAIL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
 P.E. LICENSE NUMBER 82185
 ICON CONSULTANT GROUP, INC.
 10006 N. DALE MABRY HIGHWAY, SUITE 201
 TAMPA, FLORIDA 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 (3)


SHEET NO.
8

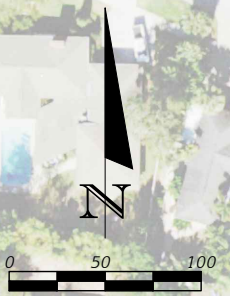
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SUMMARY OF DRAINAGE STRUCTURES

QTY	STR. NO.	STATION	SIDE	DESCRIPTION	BARS	REINFORCED CONCRETE PIPE (CLASS-11)				GUTTER INLETS	MANHOLES			DITCH BOTTOM INLETS	MITERED END SECTION		TRENCH DRAIN	4" REINF. CONC DITCH PAVT.	SOD	REMARKS
						PVC	12"	18"	24"		30"	J-8	P-8		P-8	D				
											<10'	<10'	<10'	>10'	<10'	18"	30"	LF	SY	
P	S-1	31+57.35	RT	DBI, Pipe	1			49					1				6.4		Modified DBI w/ slot	
P	S-1A	31+84.20	RT	Trench Drain, Pipe	1	7								34					Type I, Round Alternate, Const. Concrete Collar	
P	S-2	32+07.69	RT	DBI, Pipe	1			27					1					22	w/ Traversable Slot	
P	S-3	32+04.44	LT	Manhole, Pipe	1						1									
P	S-4	35+14.04	LT	Manhole, Pipe	1						1									
P	S-5	36+49.65	LT	Manhole, Pipe	1								1							
P	S-6	39+89.02	LT	Inlet, Pipe	1		22		1											
P	S-7	39+89.07	RT	Inlet, Pipe	1		63		1											
P	S-8	39+24.78	LT	Inlet, Pipe	1		22		1											
P	S-9	39+23.77	RT	Inlet, Pipe	1		68		1											
P	S-10	38+54.20	RT	Manhole, Pipe	1		182				1									
P	S-11	17+22.14	LT	Manhole, Pipe	1			156				1								
P	S-12	15+64.87	LT	Manhole, Pipe	1			156				1							Conflict Manhole	
P	S-13	14+07.72	LT	Manhole, Pipe	1			90				1								
P	S-14	13+14.37	LT	Manhole, Pipe	1			237			1									
P	S-15	10+73.40	LT	Manhole, Pipe	1			53		1									Alt. 'B' w/ 4.0'x 5.0' Bottom	
P	S-16	10+71.72	RT	MES									1				42.0			
P	S-17	10+57.88	RT	DBI, Pipe	1		163						1				2.7		Control Structure (See Pond Details 3)	
P	S-18	10+21.36	RT	MES									1							
SHEET TOTALS - PLAN QUANTITY						7	520	76	1180	4	1	4	4	3	1	1	34	52	22	
SHEET TOTALS - FINAL QUANTITY																				

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<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					CHARLES T. CURTIS, P.E. P.E. LICENSE NUMBER 82185 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HIGHWAY, SUITE 201 TAMPA, FLORIDA 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	<p align="center">SUMMARY OF DRAINAGE STRUCTURES</p>	SHEET NO. <p align="center">9</p>
DATE	DESCRIPTION	DATE	DESCRIPTION												

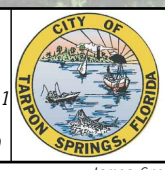


CURVE DATA (Ø CONST. PALM AVE.)	
CURVE C1	
Δ	= 46°18'26"
C	= 322.42'
L	= 331.37'
T	= 175.33'
R	= 410.00'
P.C. STA.	= 30+00.00
P.R.C. STA.	= 33+31.37
P.I. STA.	= 31+65.68
CURVE C2	
Δ	= 16°14'29"
C	= 219.72'
L	= 220.45'
T	= 110.97'
R	= 777.70'
P.R.C. STA.	= 33+31.37
P.C.C. STA.	= 35+51.82
P.I. STA.	= 34+41.60
CURVE C3	
Δ	= 30°31'57"
C	= 177.29'
L	= 179.41'
T	= 91.89'
R	= 336.67'
P.C.C. STA.	= 35+51.82
P.R.C. STA.	= 37+31.23
P.I. STA.	= 36+41.52
CURVE C4	
Δ	= 34°42'28"
C	= 210.50'
L	= 213.75'
T	= 110.27'
R	= 352.86'
P.R.C. STA.	= 37+31.23
P.C.C. STA.	= 39+44.98
P.I. STA.	= 38+38.10
CURVE C5	
Δ	= 10°00'03"
C	= 356.88'
L	= 357.34'
T	= 179.12'
R	= 2047.19'
P.C.C. STA.	= 39+44.98
P.R.C. STA.	= 43+02.31
P.I. STA.	= 41+23.65
CURVE DATA (Ø CONST. TARPON DR.)	
CURVE C6	
Δ	= 34°46'07"
C	= 331.65'
L	= 336.79'
T	= 173.76'
R	= 555.00'
P.C. STA.	= 14+16.92
P.T. STA.	= 17+54.07
P.I. STA.	= 15+85.50

LEGEND:
 ① DENOTES ROADWAY PLAN/PROFILE SHEET NUMBER

REVISIONS			
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CITY OF TARPON SPRINGS
 PUBLIC SERVICES DEPARTMENT
 324 E. PINE STREET
 TARPON SPRINGS, FL 34689
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PROJECT LAYOUT

SHEET NO.
 10

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GENERAL NOTES

CONSTRUCTION AND SURVEY NOTES

1. HORIZONTAL CONTROL IS BASED ON THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN) AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, ADJUSTMENT OF 2011 (NAD 83/2011) AND THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE.
2. ALL ELEVATIONS HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. VERTICAL CONTROL IS BASED ON BENCHMARK '872 6899 A' (PID DM2761; N: 1,387,164.89 E: 407,616.43), A SURVEY DISK SET IN A RETAINING WALL ON THE RIGHT SIDE OF F. KETTRELL POWELL BRIDGE NORTHEAST OF THE INTERSECTION OF RIVERSIDE DRIVE AND BAYSHORE DRIVE, WITH A PUBLISHED ELEVATION OF 5.69' PER THE NGS DATA SHEET, AND BENCHMARK 'SPONGER B' (PID AL0376; N: 1,386,174.54 E: 407,032.66), A SURVEY DISK SET IN THE TOP OF A CONCRETE MONUMENT ON THE SOUTHEAST CORNER OF THE INTERSECTION OF GULF ROAD AND TARPON DRIVE, WITH A PUBLISHED ELEVATION OF 12.04' PER THE NGS DATA SHEET.
4. UNLESS OTHERWISE NOTED, ALL STATION AND OFFSETS REFERENCE B CONST.
5. GRASS AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SODDED, NOT SEEDED OR MULCHED.
6. REFERENCES IN THE PLANS AND NOTES TO "INDEX XXX" REFER TO THE FDOT STANDARD PLANS (DATED 2019-2020) BOOKLET AND CONSTRUCTION SHALL COMPLY WITH THESE REQUIREMENTS AND DETAILS.
7. 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.
8. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED.
9. LOCAL ACCESS SHALL BE MAINTAINED TO MAXIMUM EXTENT POSSIBLE FOR ALL PHASES OF CONSTRUCTION.
10. 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 LOCAL TRAFFIC. THE COST FOR ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED WITHIN THE CONTRACT PRICE FOR MOBILIZATION.
11. 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.
12. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING AS REQUIRED, INCLUDING ASPHALT PAVEMENT CUTTING.
13. 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.
14. THE CONSTRUCTION LENGTHS INDICATED IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
15. THE CONTRACTOR SHALL HAVE A SUPERINTENDENT ON SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. ALL WORKERS ON THE JOB SITE WILL BE COURTEOUS TO THE PUBLIC AT ALL TIMES, AND SHALL REFER ANY QUESTIONS OR CONCERNS TO THE CONTRACTOR'S SUPERINTENDENT OR THE CITY INSPECTOR. THE SUPERINTENDENT SHALL SPEAK AND UNDERSTAND ENGLISH AND SHALL BE AVAILABLE AT ALL TIMES FOR TIMELY RESOLUTION OF PROJECT RELATED ISSUES. THE CONTRACTOR MUST PROVIDE A 24 HOUR EMERGENCY PHONE NUMBER TO THE COUNTY INSPECTOR.
16. THE CONTRACTOR IS RESPONSIBLE TO PRACTICE AND ENFORCE ALL LOCAL AND STATE JOB AND CONSTRUCTION SAFETY LAW'S AND REGULATIONS, ESPECIALLY OSHA, WITH REGARDS TO CONSTRUCTION PRACTICES AND PROCEDURES.
17. SEVERAL EXISTING MAILBOXES ARE LOCATED WITHIN THE PROJECT LIMITS. CONTRACTOR TO FIELD VERIFY AND RECORD LOCATION OF MAILBOXES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. EXISTING MAILBOXES ARE TO TEMPORARILY RELOCATED DURING CONSTRUCTION, AS NECESSARY, TO AVOID DAMAGE TO THE MAILBOXES. CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER(S) TO DETERMINE IF THEY DESIRE TO HAVE THEIR EXISTING MAILBOX OR A NEW MAILBOX PLACED AT THE END OF CONSTRUCTION. IF A NEW MAILBOX IS REQUESTED BY THE PROPERTY OWNER THEN THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER(S) ON AN AGREED UPON REPLACEMENT STYLE.
18. ALL TREES TO BE IMPACTED BY THE TRENCHING AND INSTALLATION OF STORM SEWER PIPE AND/OR THE CLEARING AND GRUBBING OF THE POND AREA ARE TO BE REMOVED.
19. PAY ITEM 0436 1 1 - ALL COSTS WITH INSTALLATION OF 12" PVC PIPE ARE INCLUDED WITH THIS PAY ITEM.

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 IS RESPONSIBLE TO MAINTAIN OPERATION OF ALL EXISTING UTILITIES DURING CONSTRUCTION AND REPAIR WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY EQUIPMENT REQUIRED TO MAINTAIN OPERATION OF SERVICE DURING CONSTRUCTION. ANY DAMAGE DONE TO ANY EXISTING UTILITY IS TO BE IMMEDIATELY REPAIRED TO A CONDITION EQUAL TO, OR BETTER THAN, ITS ORIGINAL CONDITION.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION. CALL "SUNSHINE ONE CALL" AT 1-800-432-4770.
6. 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.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY. SPECIAL PRECAUTIONS MAY BE REQUIRED IN THE VICINITY OF POWER LINES AND OTHER UTILITIES.
8. VISIBLE UTILITIES ARE SHOWN HEREIN. ADDITIONAL UTILITIES MAY EXIST.

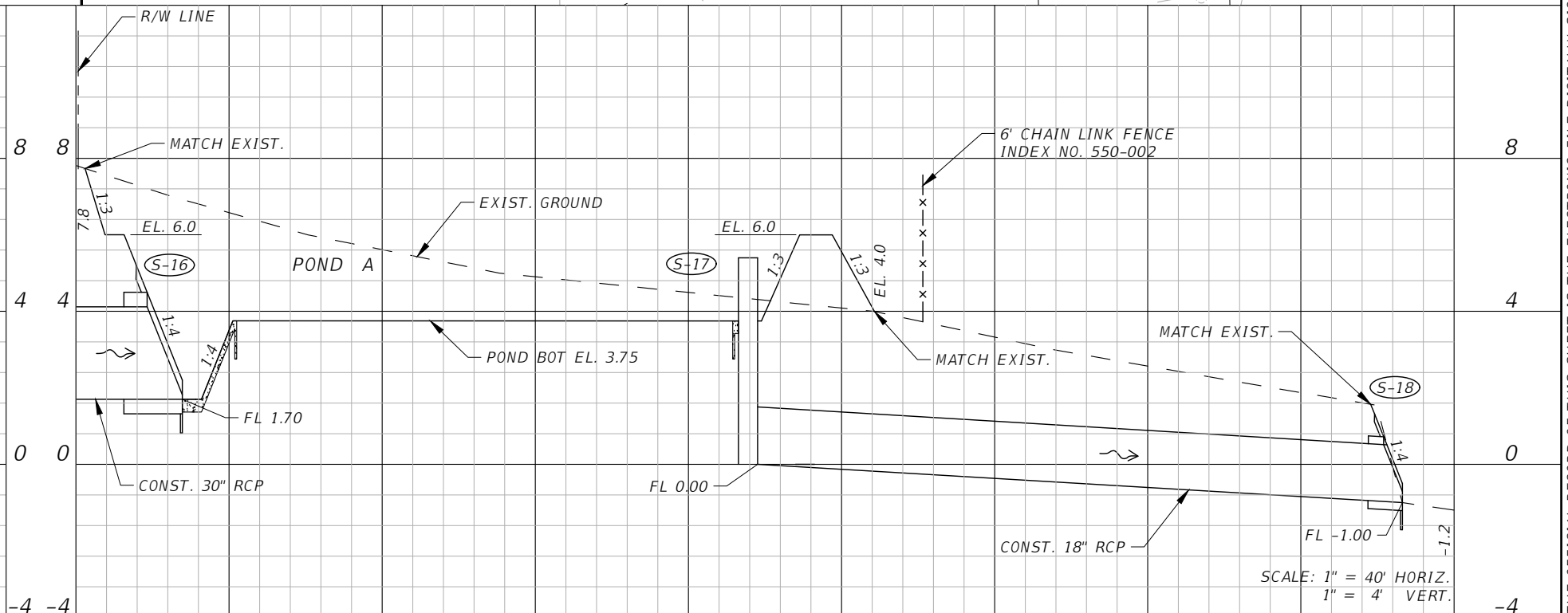
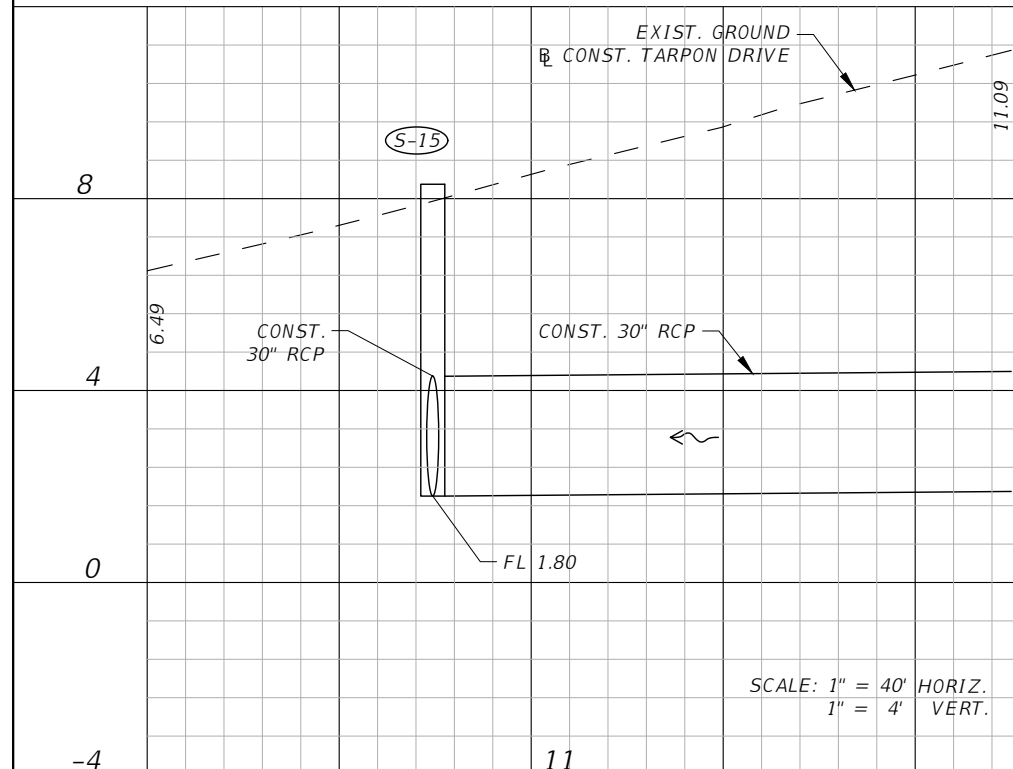
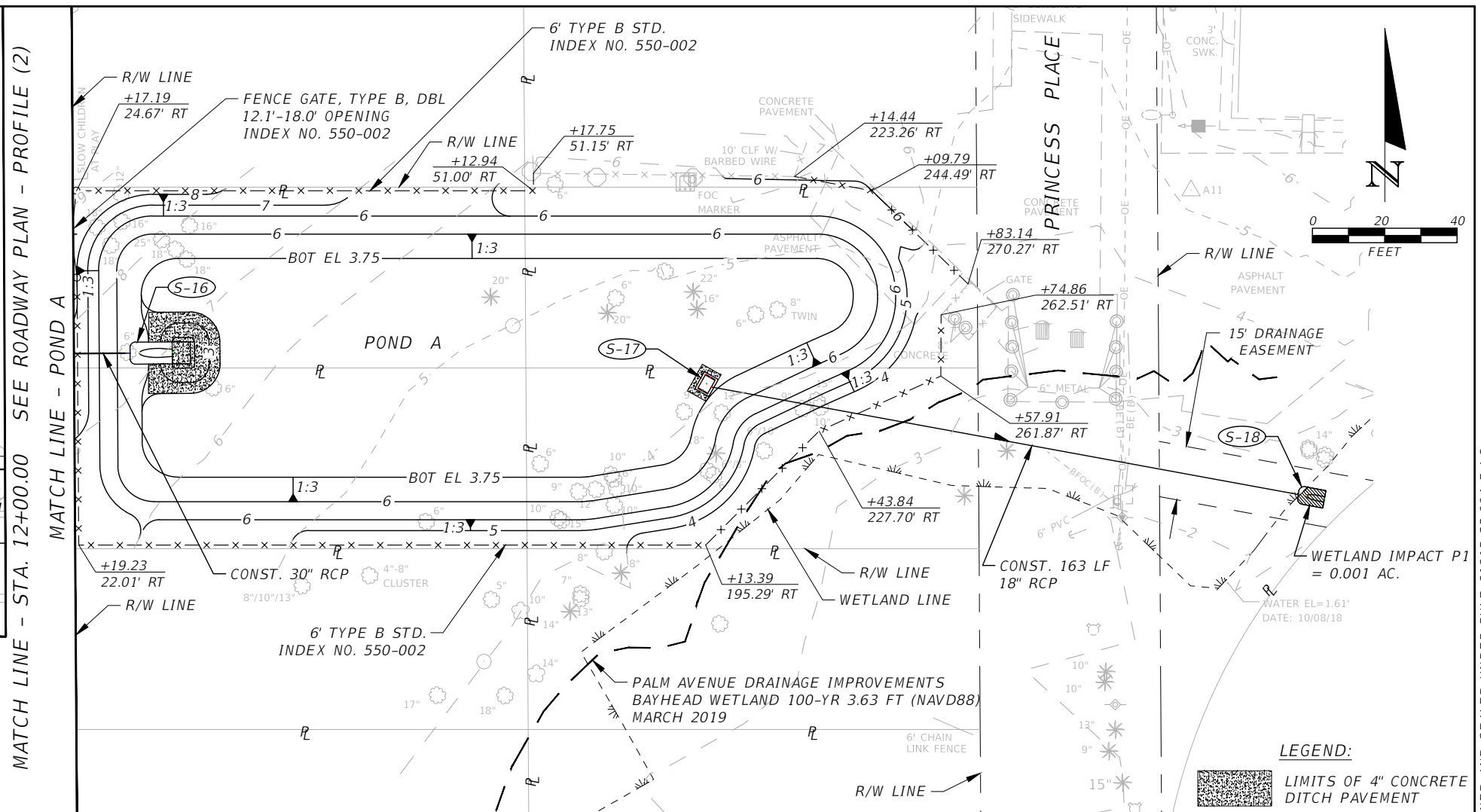
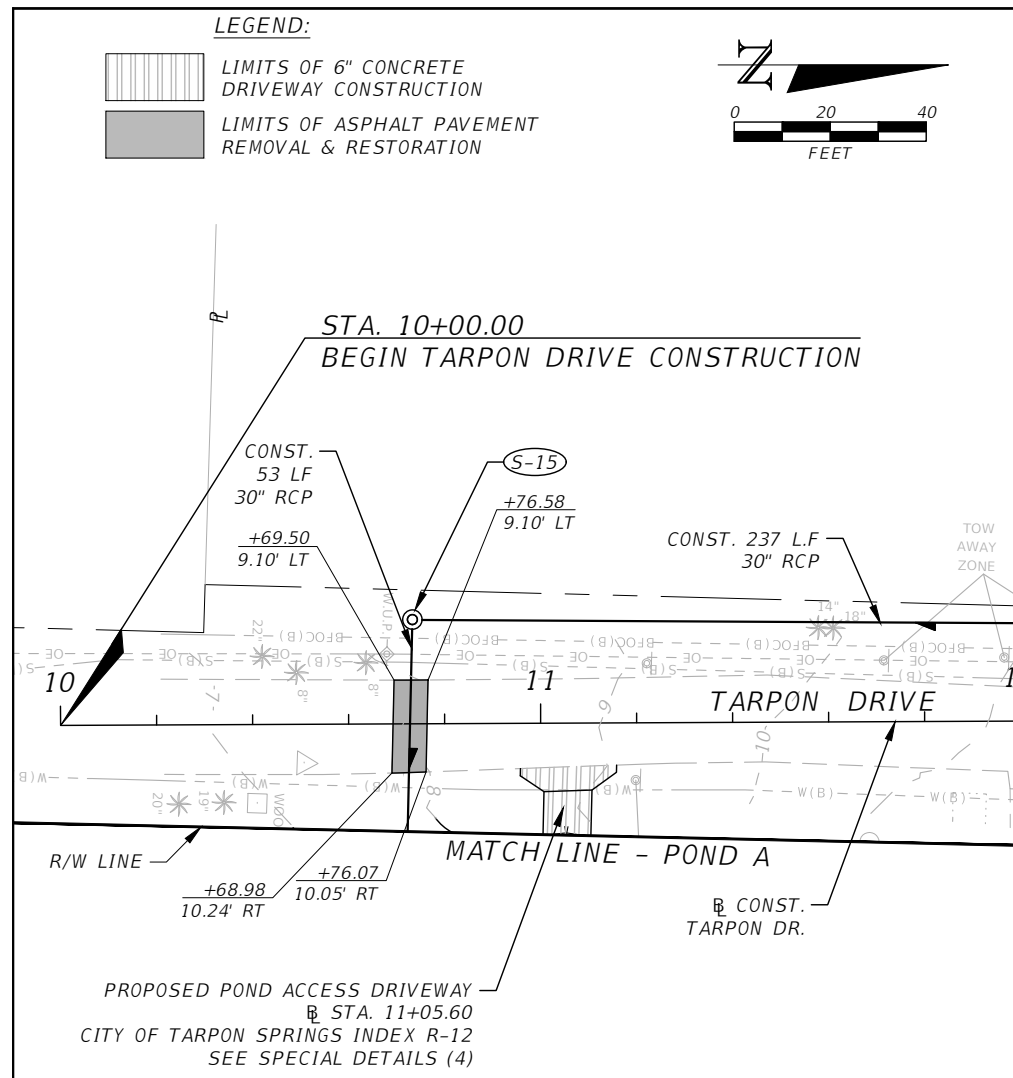
UTILITY OWNERS

CITY OF TARPON SPRINGS WATER/SEWER (727) 942-5606 EXT: 2601 324 E. PINE ST. TARPON SPRINGS, FL 34689	CHARTER COMMUNICATIONS OSWALDO PEREZ (727) 329-2817 700 CARILLON PKWY, STE. 6 ST. PETERSBURG, FL 33716	DUKE ENERGY CARTER WILLIAMS (407) 905-3376 452 E CROWN POINT RD. WINTER GARDEN, FL 34787
FRONTIER COMMUNICATIONS TONI CANNON (813) 875-1014 3712 W. WALNUT ST. TAMPA, FL 33607	WIDE OPEN WEST RICHARD LAGANGA (727) 239-0158 3001 GANDY BLVD. NORTH PINELLAS PARK, FL 33782	

EROSION & SEDIMENT CONTROL NOTES

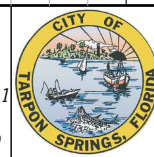
1. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO WETLANDS AND DETENTION AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
2. PERMANENT VEGETATION SHALL BE BY SODDING 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 AN APPROPRIATE 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				CHARLES T. CURTIS, P.E. P.E. LICENSE NUMBER 82185 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HIGHWAY, SUITE 201 TAMPA, FLORIDA 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	 CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION			
				<h2>GENERAL NOTES</h2>		



REVISIONS	
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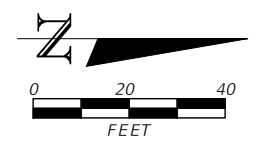


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ROADWAY PLAN - PROFILE (1)

SHEET NO.
12

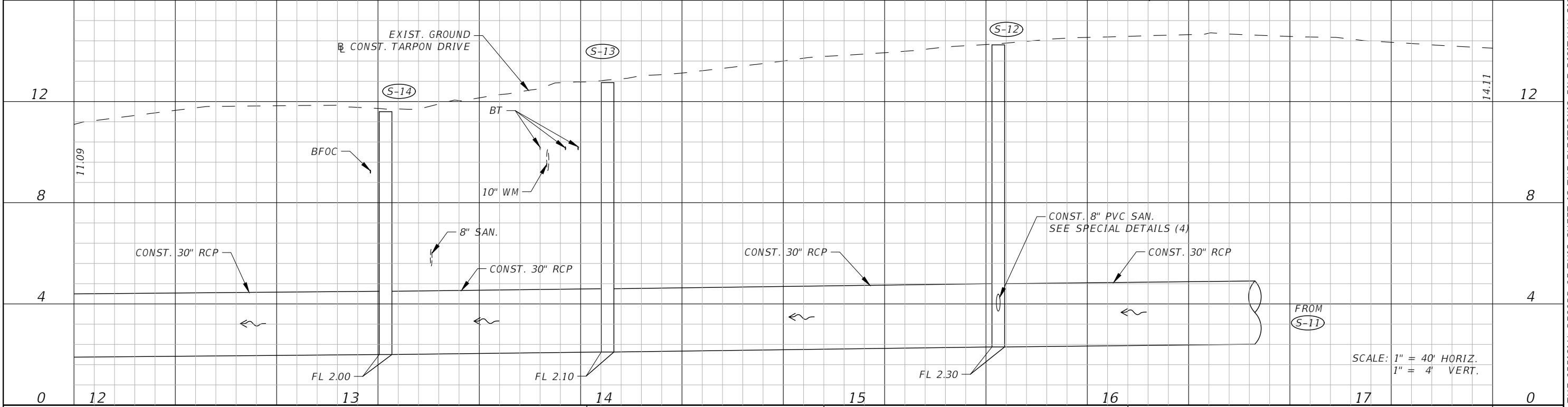
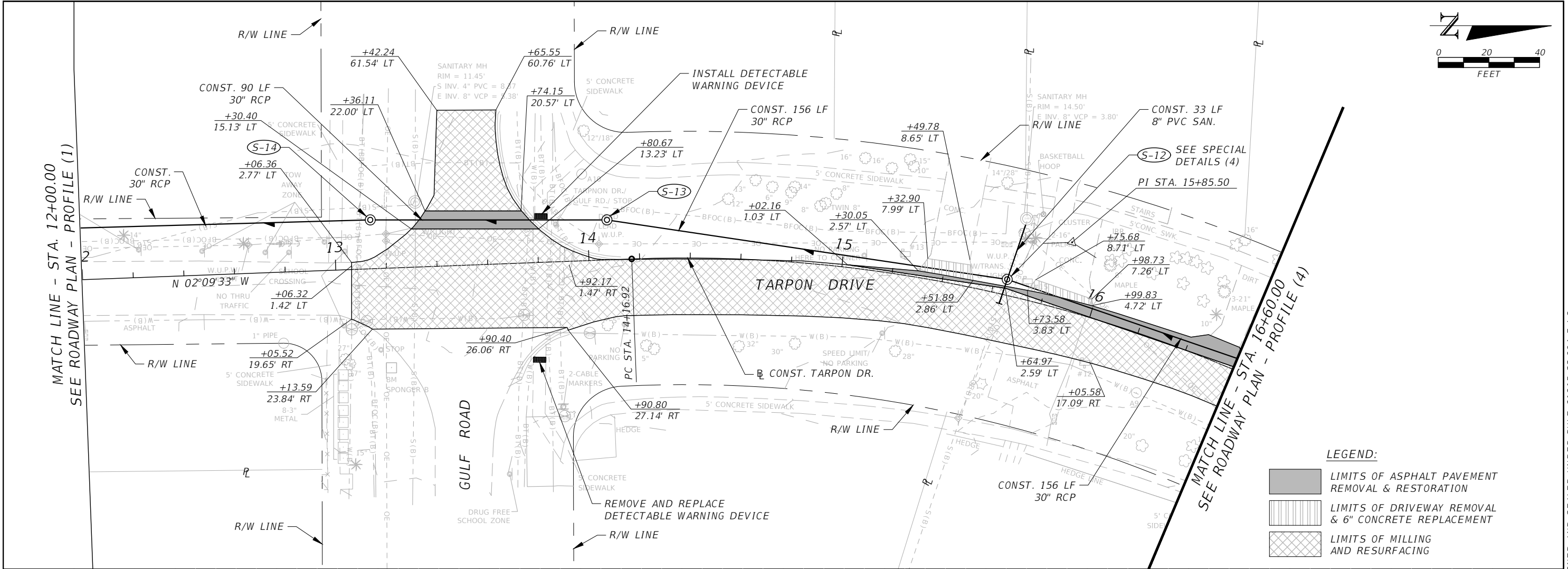
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MATCH LINE - STA. 12+00.00
SEE ROADWAY PLAN - PROFILE (1)

MATCH LINE - STA. 16+60.00
SEE ROADWAY PLAN - PROFILE (4)

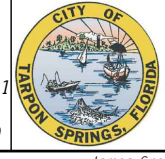
- LEGEND:**
- LIMITS OF ASPHALT PAVEMENT REMOVAL & RESTORATION
 - LIMITS OF DRIVEWAY REMOVAL & 6" CONCRETE REPLACEMENT
 - LIMITS OF MILLING AND RESURFACING



SCALE: 1" = 40' HORIZ.
1" = 4' VERT.

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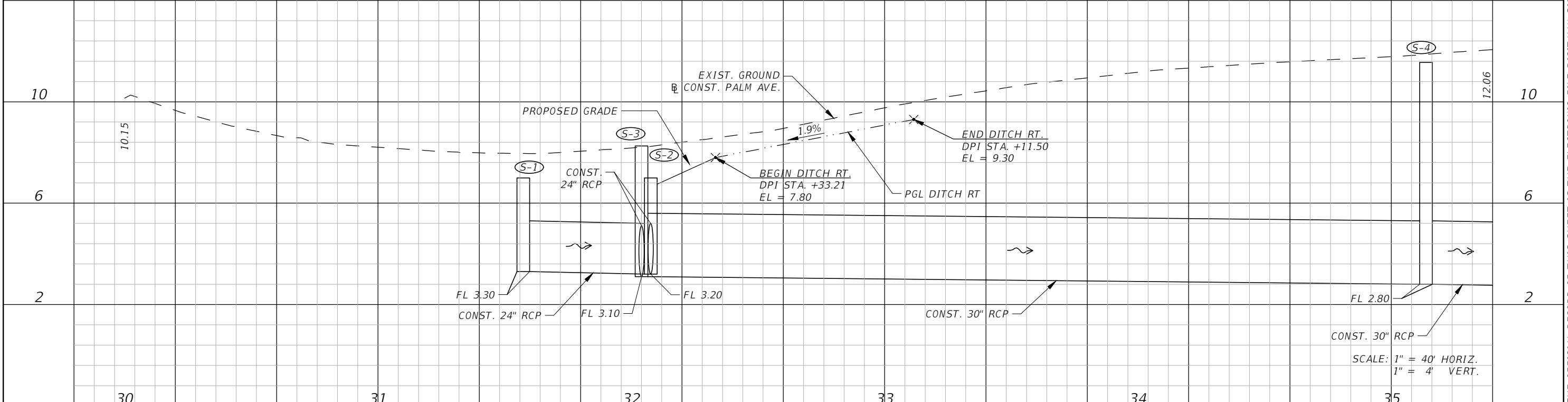
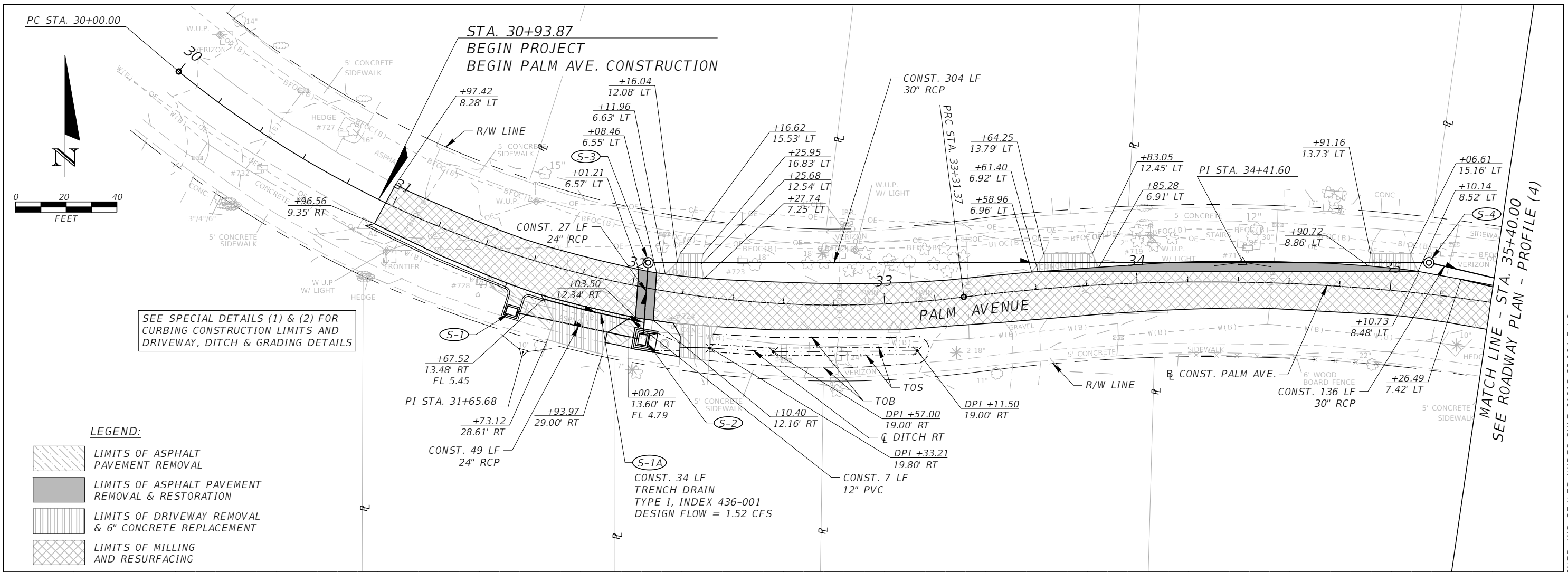


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ROADWAY PLAN - PROFILE (2)

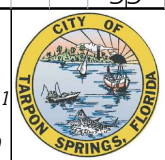
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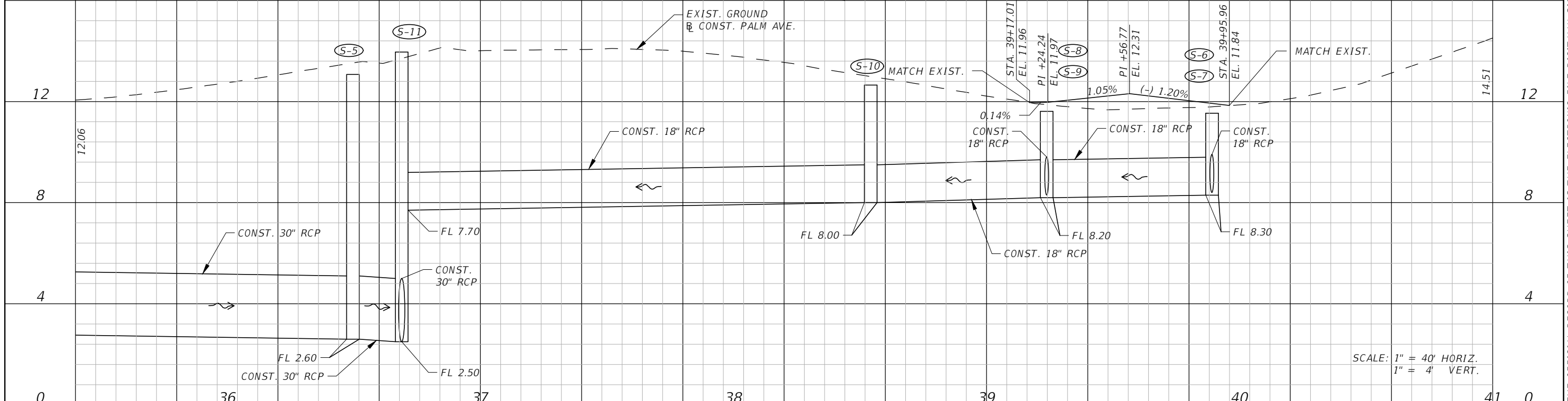
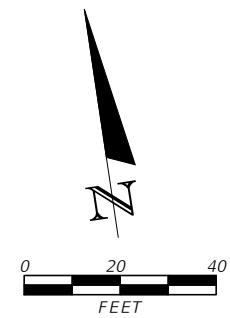
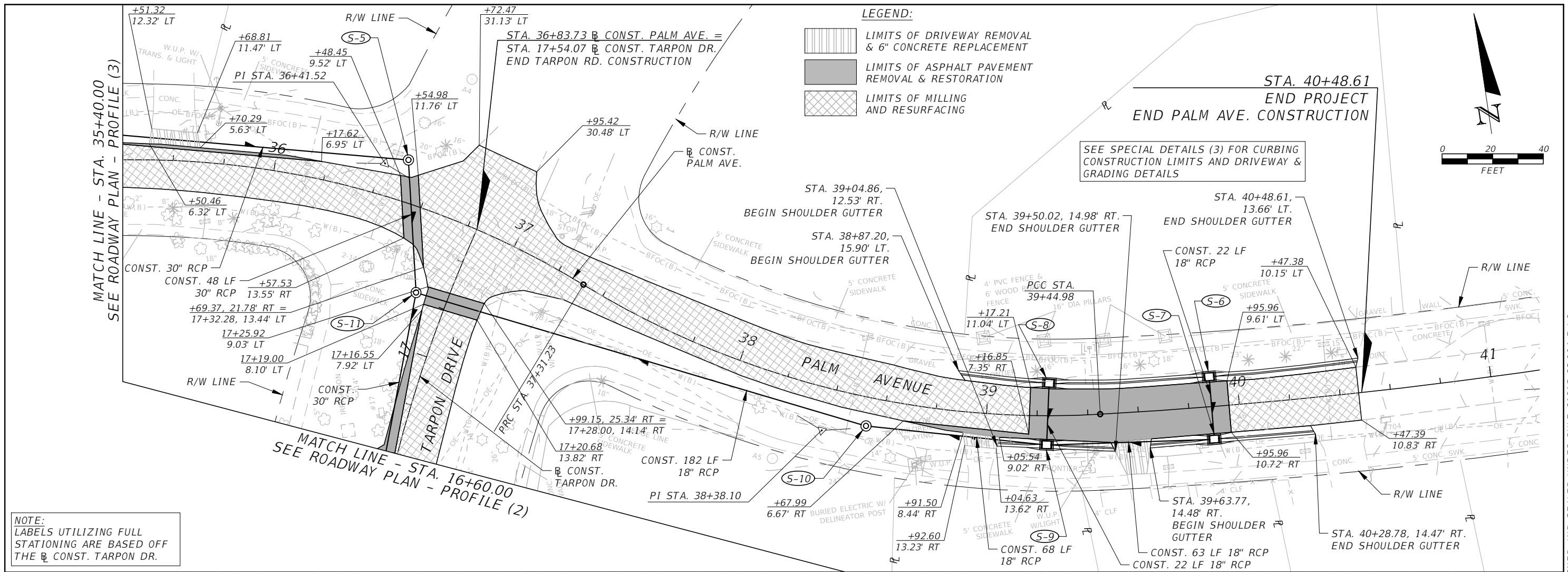


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ROADWAY PLAN - PROFILE (3)

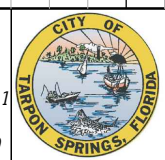
SHEET NO.
14

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 ICON CONSULTANT GROUP, INC.
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 TAMPA, FLORIDA 33618
 CERTIFICATE OF AUTHORIZATION NO. 8230

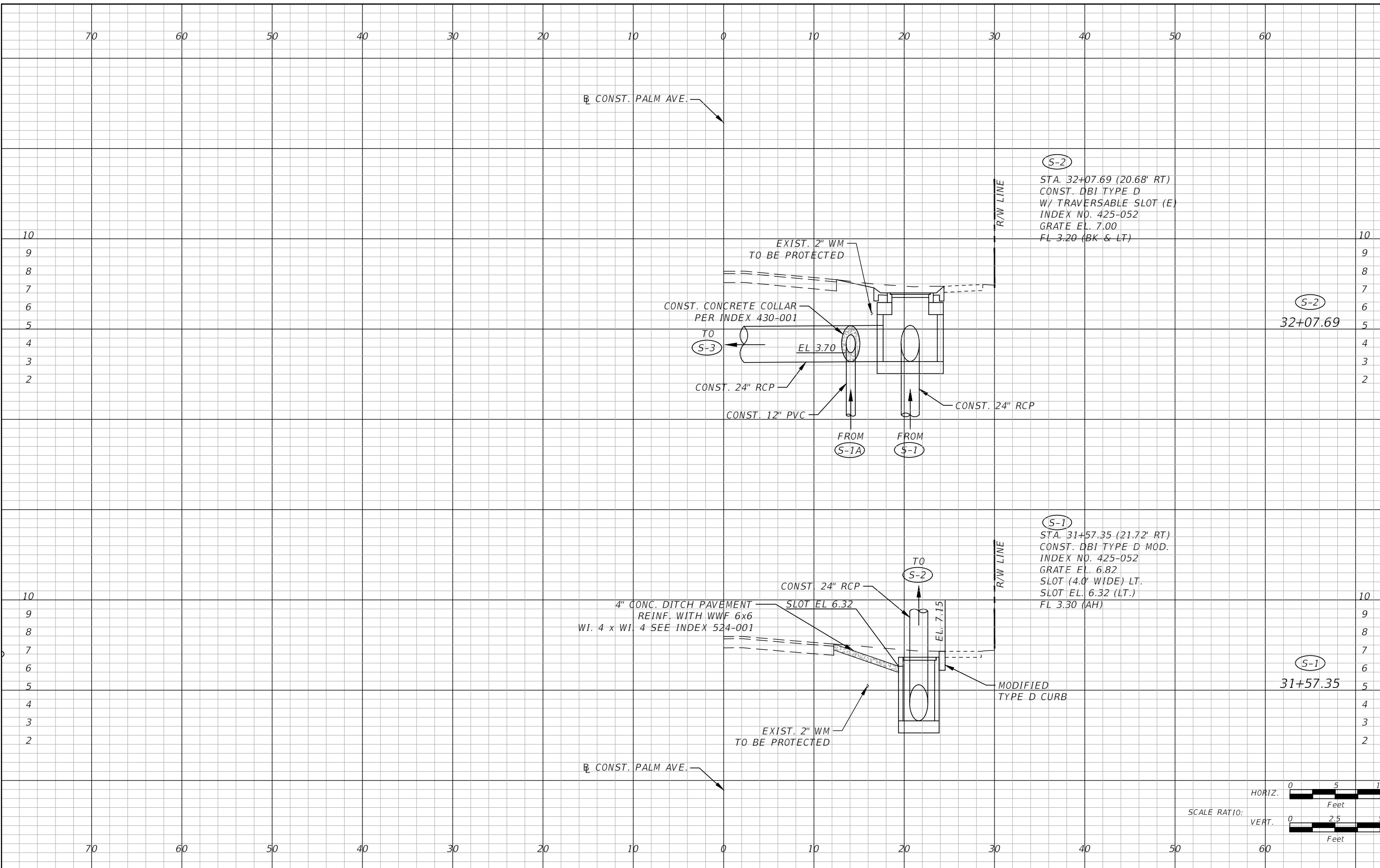


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ROADWAY PLAN - PROFILE (4)

SHEET NO.
15

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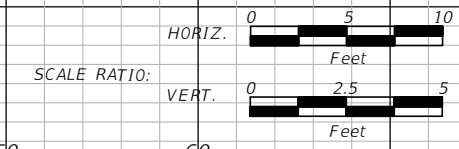


(S-2)
 STA. 32+07.69 (20.68' RT)
 CONST. DBI TYPE D
 W/ TRAVERSABLE SLOT (E)
 INDEX NO. 425-052
 GRATE EL. 7.00
 FL 3.20 (BK & LT)

(S-2)
 32+07.69

(S-1)
 STA. 31+57.35 (21.72' RT)
 CONST. DBI TYPE D MOD.
 INDEX NO. 425-052
 GRATE EL. 6.82
 SLOT (4.0' WIDE) LT.
 SLOT EL. 6.32 (LT.)
 FL 3.30 (AH)

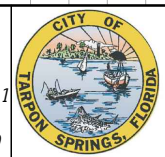
(S-1)
 31+57.35



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REVISIONS			
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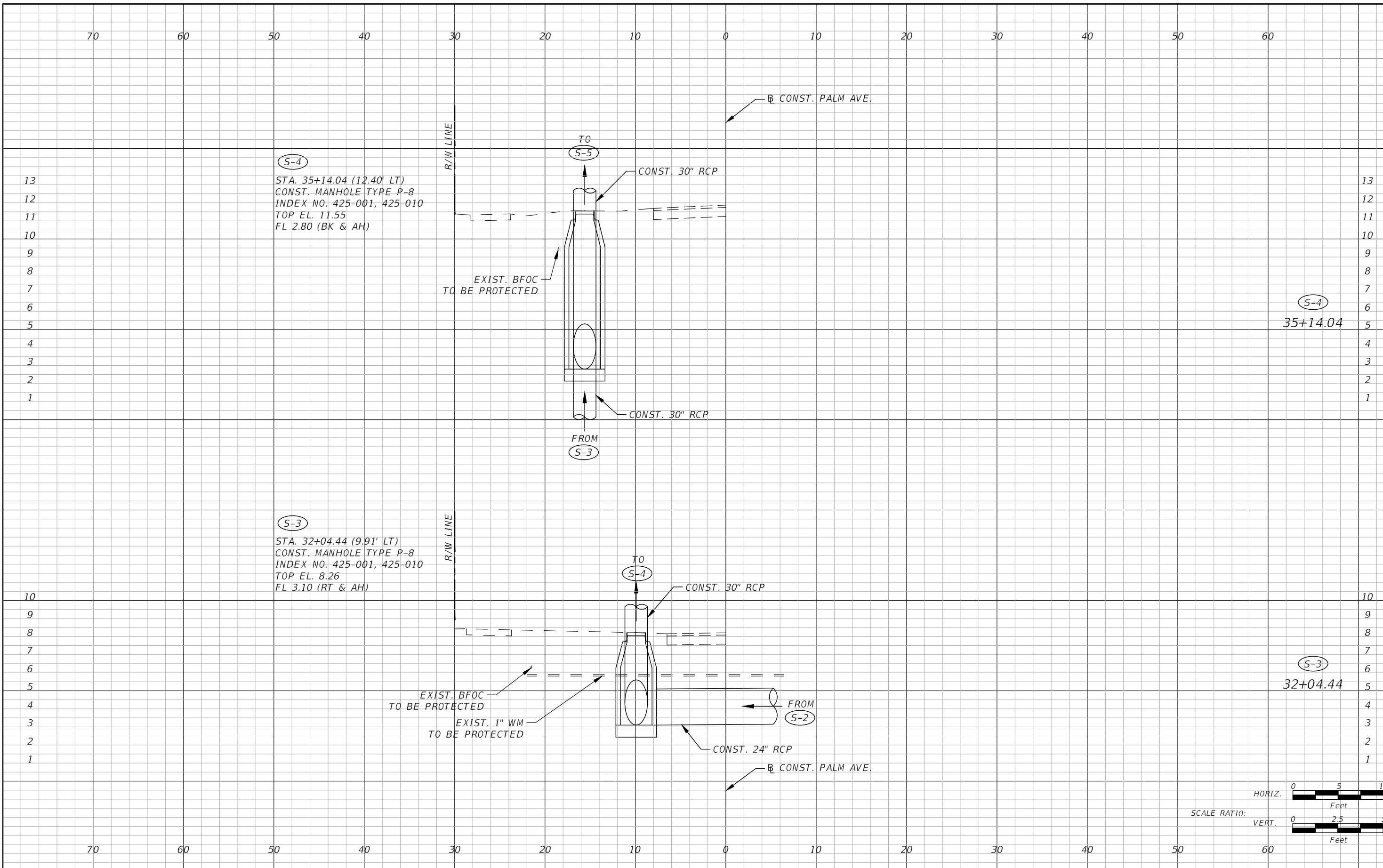
CHARLES T. CURTIS, P.E.
 P.E. LICENSE NUMBER 82185
 ICON CONSULTANT GROUP, INC.
 10006 N. DALE MABRY HIGHWAY, SUITE 201
 TAMPA, FLORIDA 33618
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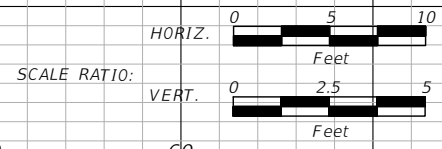
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DRAINAGE STRUCTURES (1)

SHEET NO.
 16

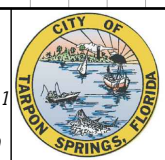


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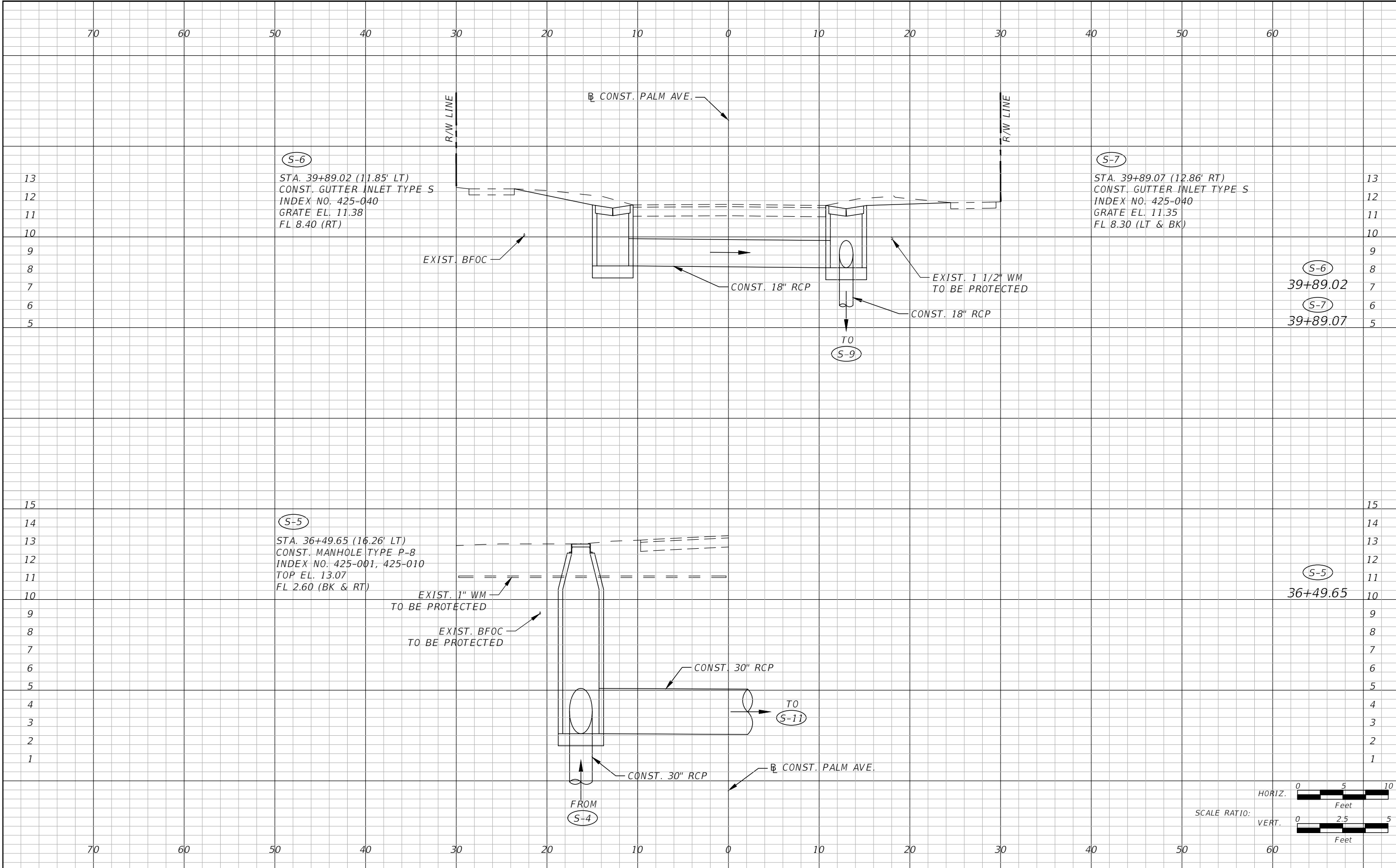
CHARLES T. CURTIS, P.E.
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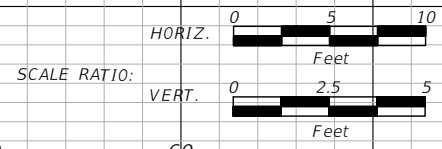
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DRAINAGE STRUCTURES (2)

SHEET NO.
17

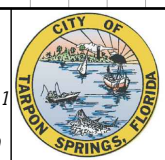


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DATE	DESCRIPTION	DATE	DESCRIPTION

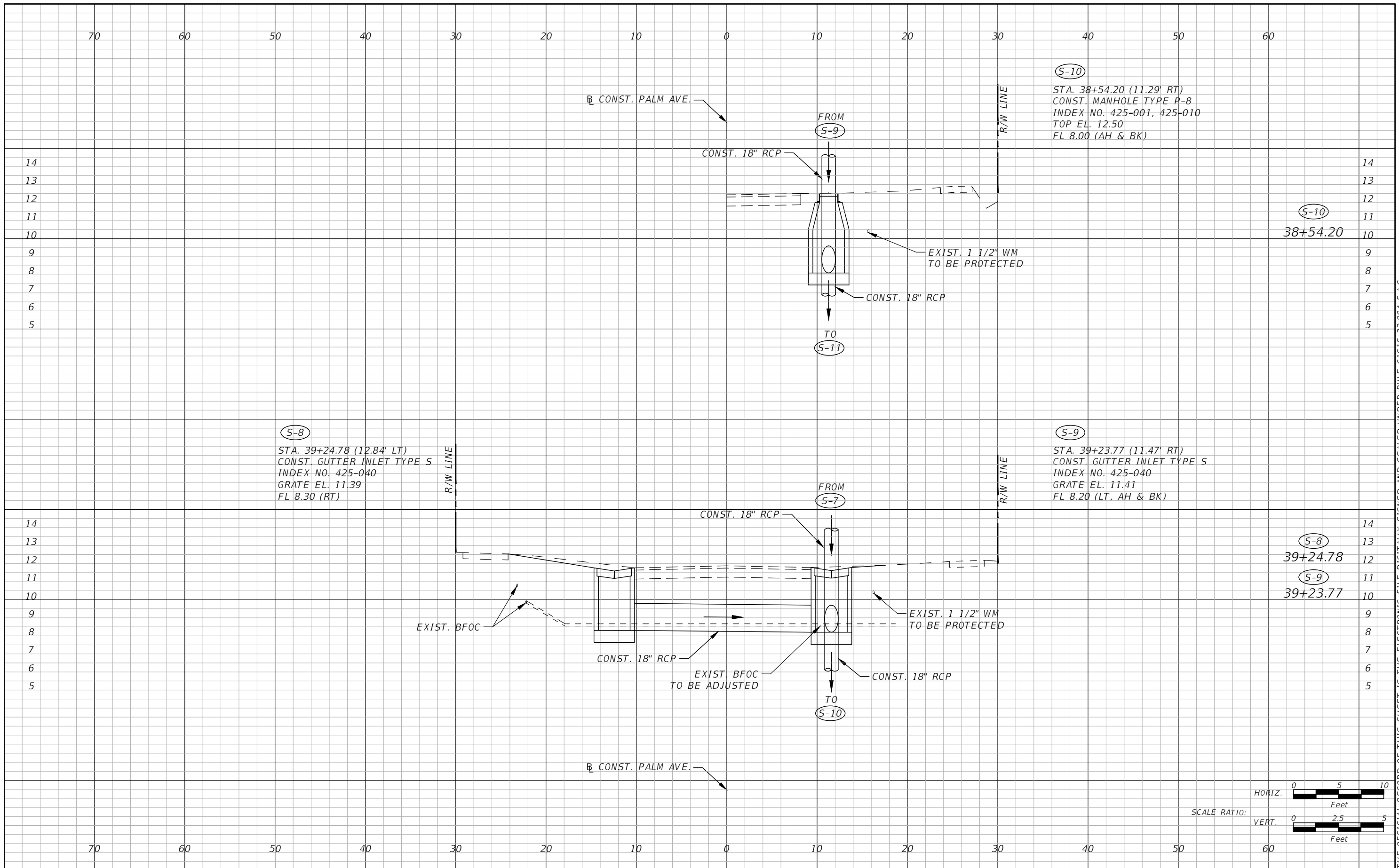
CHARLES T. CURTIS, P.E.
P.E. LICENSE NUMBER 82185
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DRAINAGE STRUCTURES (3)

SHEET NO.
18



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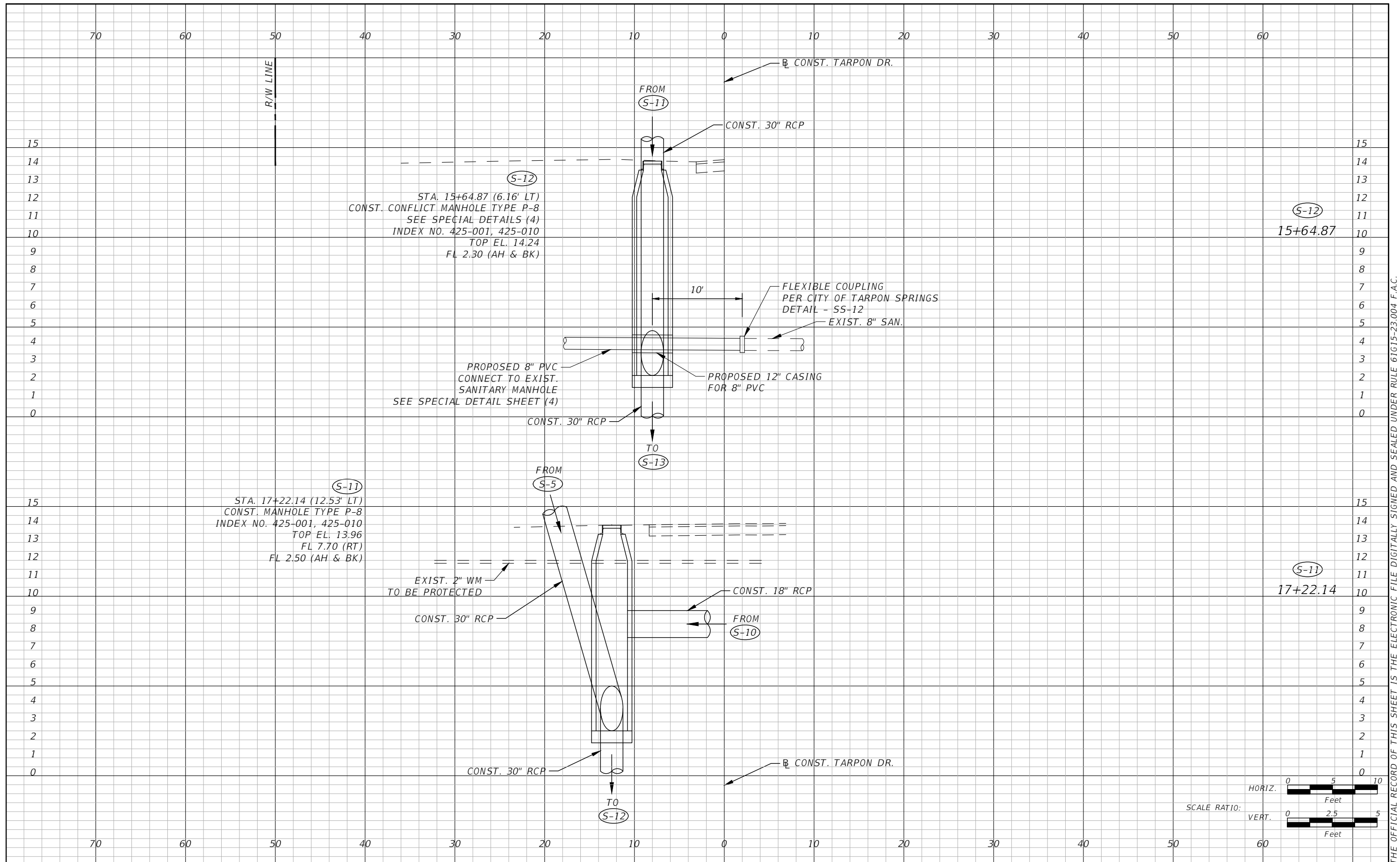
CHARLES T. CURTIS, P.E.
P.E. LICENSE NUMBER 82185
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
TAMPA, FLORIDA 33618
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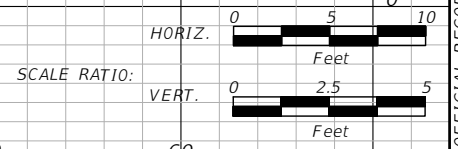
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DRAINAGE STRUCTURES (4)

SHEET NO.
19

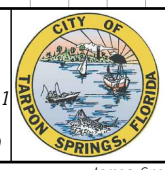


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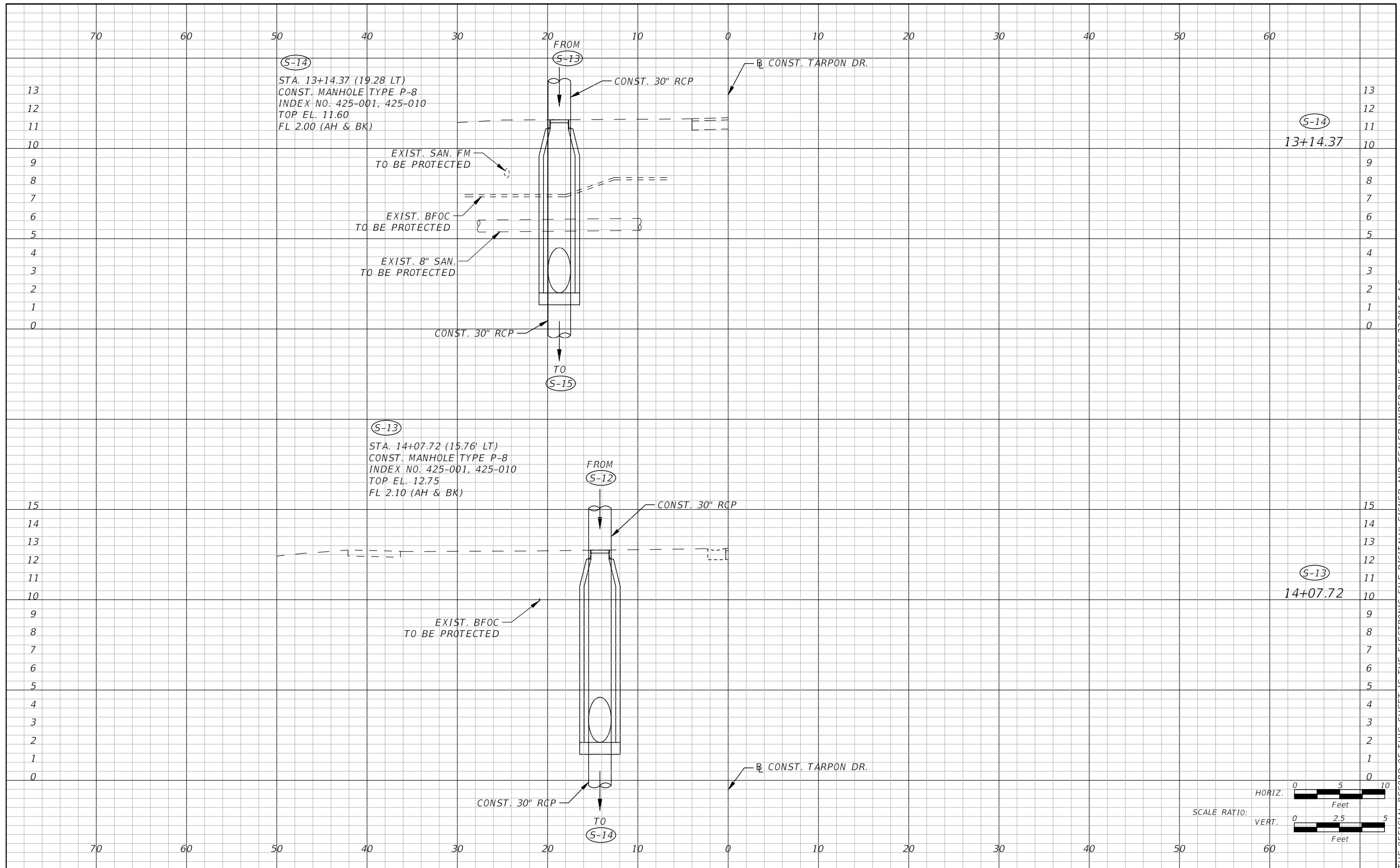
CHARLES T. CURTIS, P.E.
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DRAINAGE STRUCTURES (5)

SHEET NO.
20



(S-14)
 STA. 13+14.37 (19.28 LT)
 CONST. MANHOLE TYPE P-8
 INDEX NO. 425-001, 425-010
 TOP EL. 11.60
 FL 2.00 (AH & BK)

EXIST. SAN. FM
 TO BE PROTECTED

EXIST. BFOC
 TO BE PROTECTED

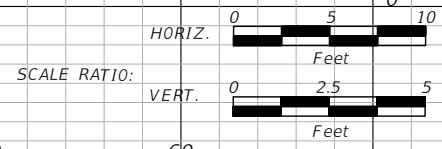
EXIST. 8" SAN.
 TO BE PROTECTED

(S-13)
 STA. 14+07.72 (15.76' LT)
 CONST. MANHOLE TYPE P-8
 INDEX NO. 425-001, 425-010
 TOP EL. 12.75
 FL 2.10 (AH & BK)

EXIST. BFOC
 TO BE PROTECTED

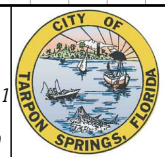
(S-14)
 13+14.37

(S-13)
 14+07.72



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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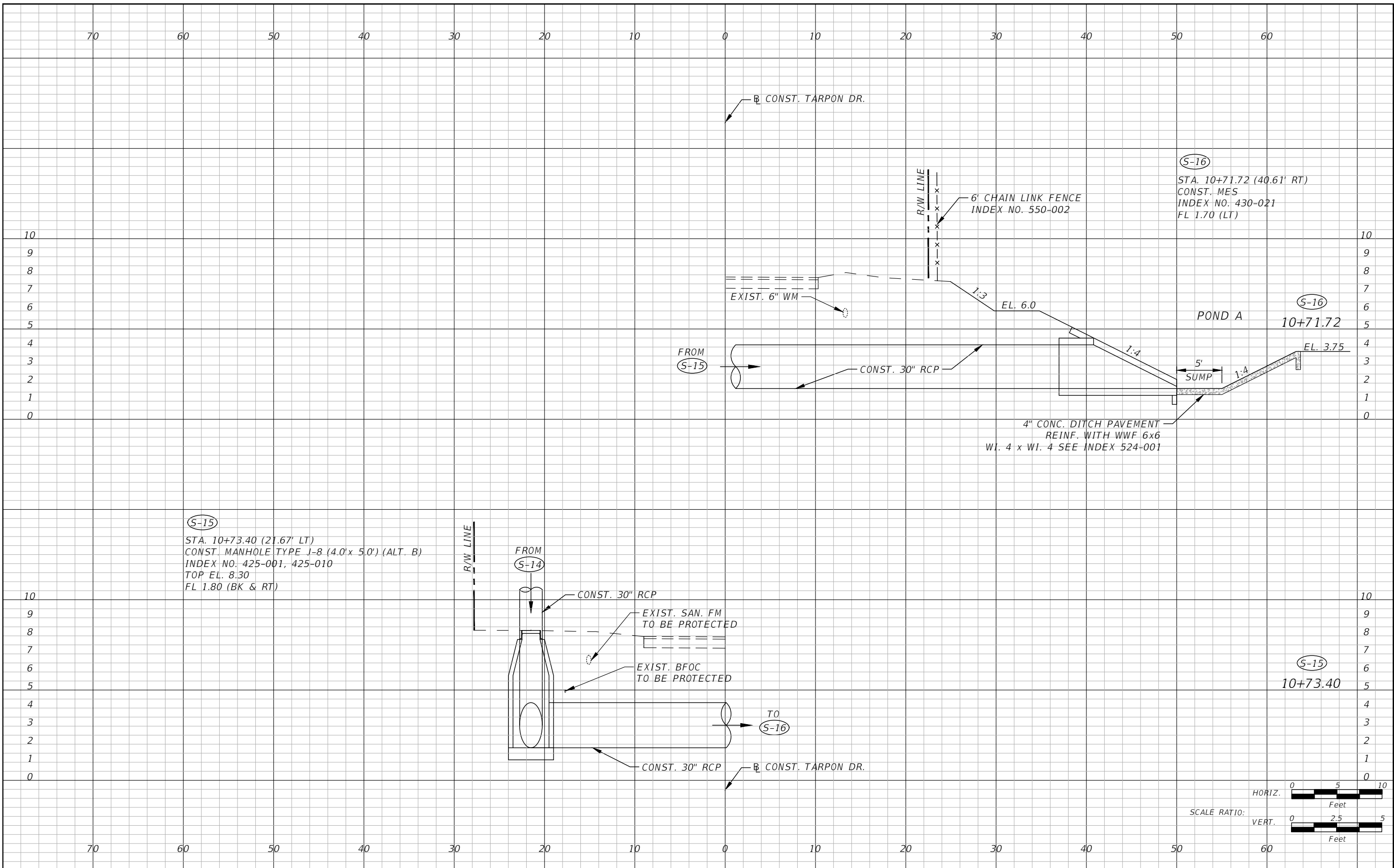


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DRAINAGE STRUCTURES (6)

SHEET NO.
 21

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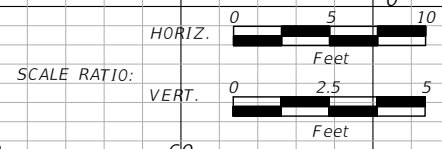


(S-15)
 STA. 10+73.40 (21.67' LT)
 CONST. MANHOLE TYPE J-8 (4.0' x 5.0') (ALT. B)
 INDEX NO. 425-001, 425-010
 TOP EL. 8.30
 FL 1.80 (BK & RT)

(S-16)
 STA. 10+71.72 (40.61' RT)
 CONST. MES
 INDEX NO. 430-021
 FL 1.70 (LT)

(S-16)
 10+71.72
 EL. 3.75

(S-15)
 10+73.40



REVISIONS			
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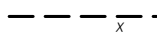
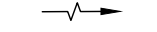
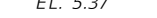
CITY OF TARPON SPRINGS
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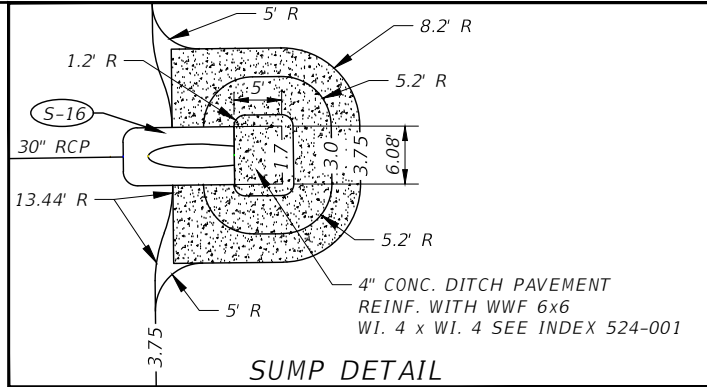
DRAINAGE STRUCTURES (7)

SHEET NO.
 22

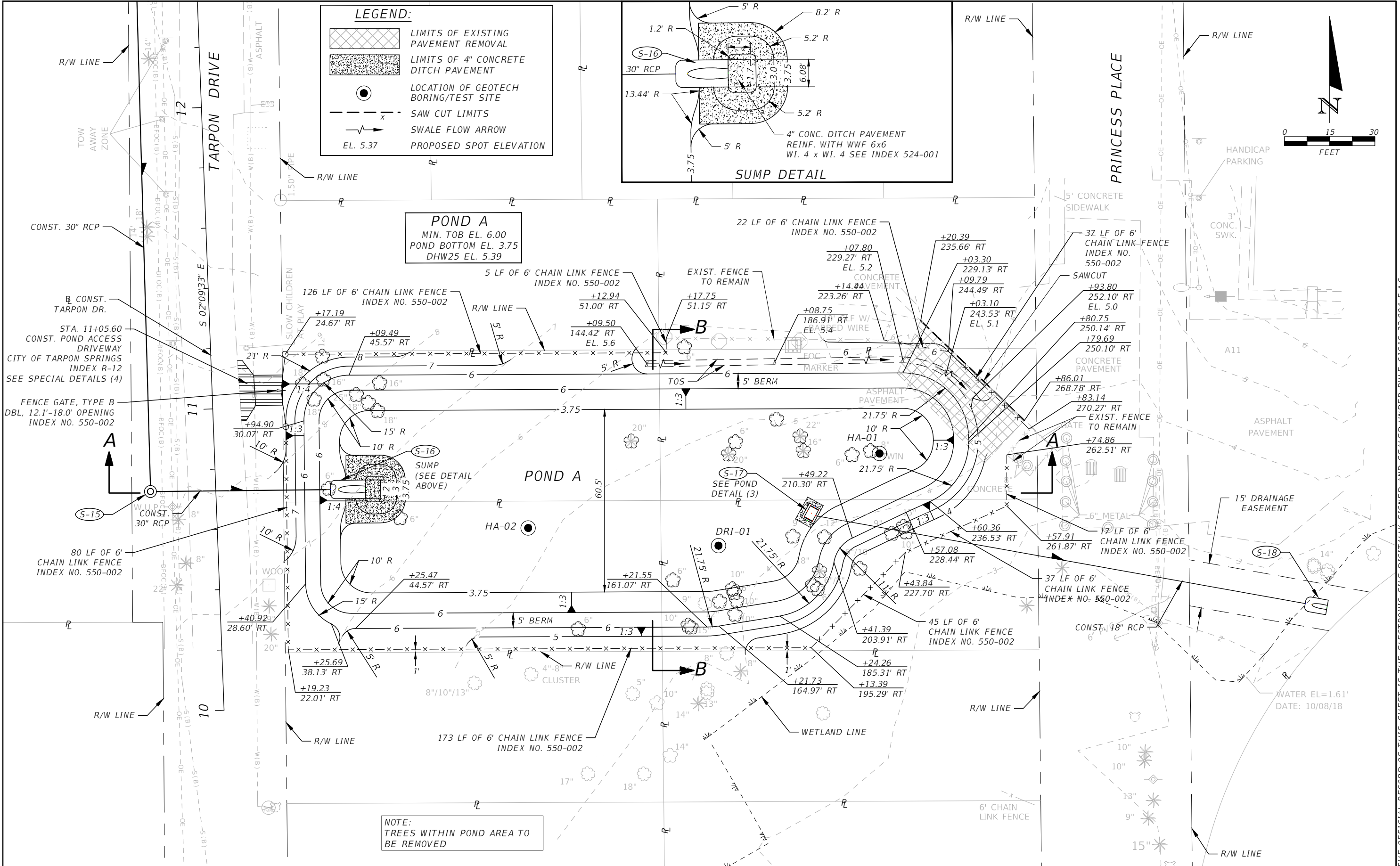
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LEGEND:

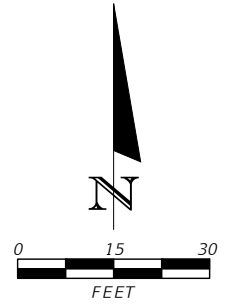
-  LIMITS OF EXISTING PAVEMENT REMOVAL
-  LIMITS OF 4" CONCRETE DITCH PAVEMENT
-  LOCATION OF GEOTECH BORING/TEST SITE
-  SAW CUT LIMITS
-  SWALE FLOW ARROW
-  PROPOSED SPOT ELEVATION



POND A
 MIN. TOB EL. 6.00
 POND BOTTOM EL. 3.75
 DHW25 EL. 5.39



NOTE:
 TREES WITHIN POND AREA TO BE REMOVED



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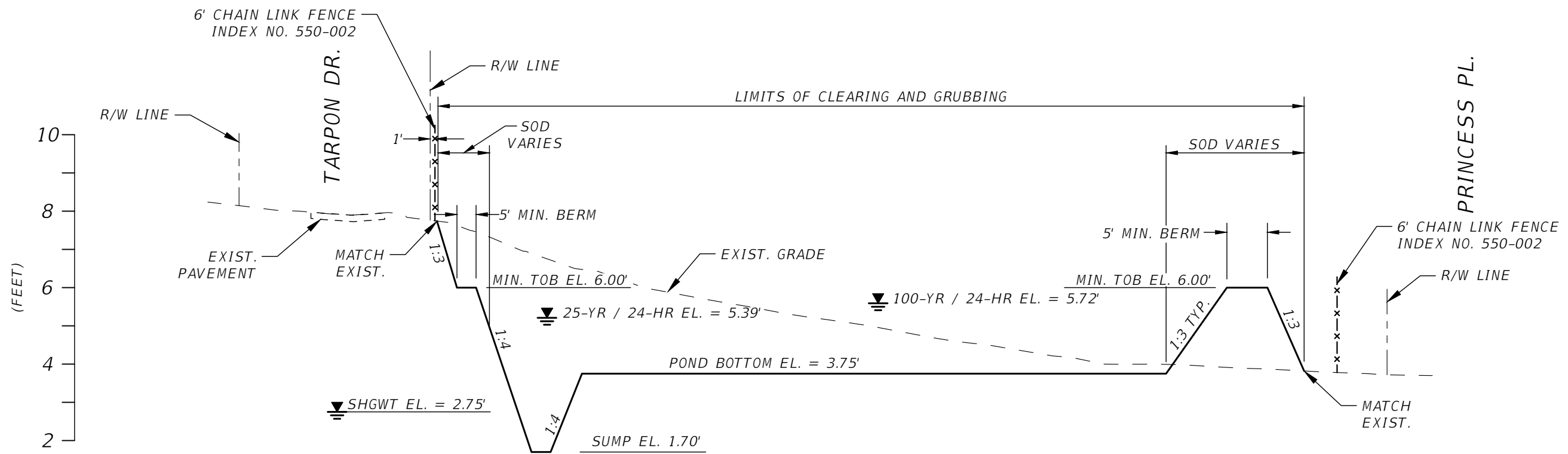


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POND DETAILS (1)

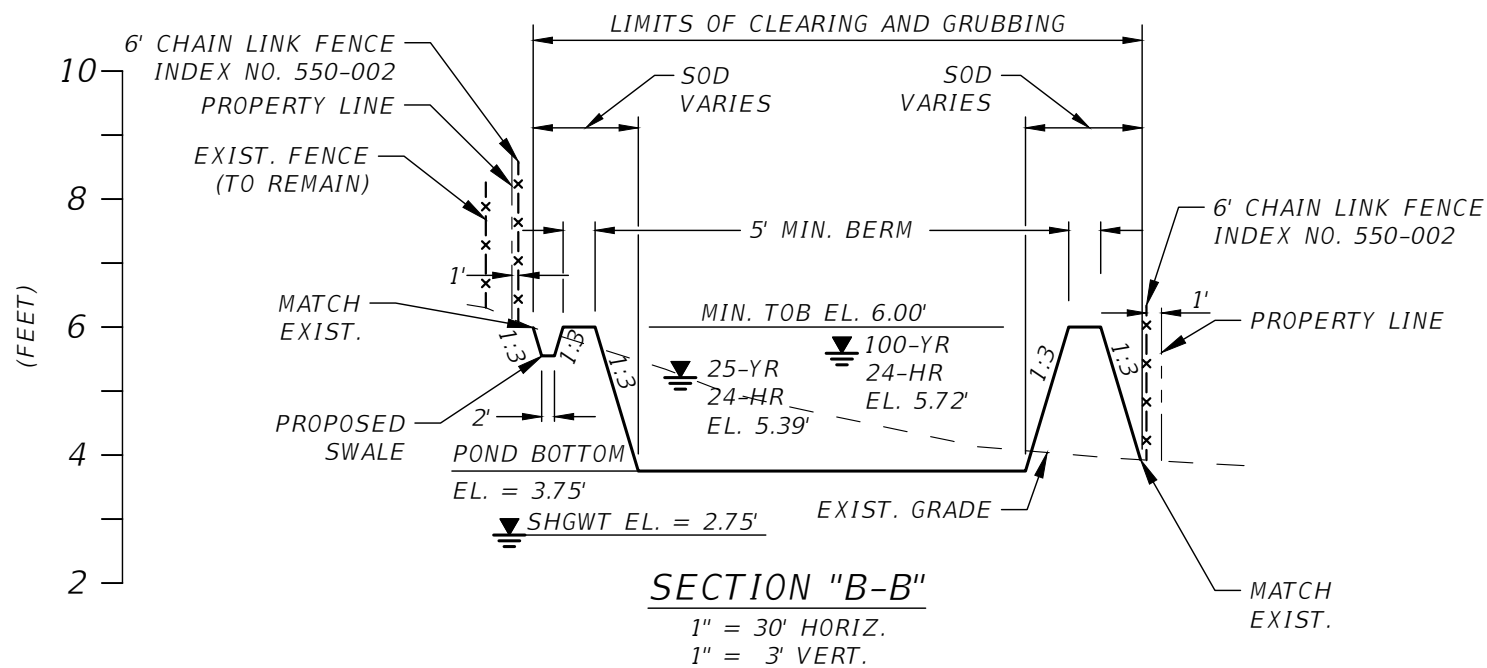
SHEET NO.
 24

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SECTION "A-A"

1" = 30' HORIZ.
1" = 3' VERT.



SECTION "B-B"

1" = 30' HORIZ.
1" = 3' VERT.

POND GRADING NOTES:

1. THE USE OF THE POND AREA FOR CONSTRUCTION STAGING OR STORAGE IS PROHIBITED.
2. CONSTRUCTION BY-PRODUCTS INCLUDING GRINDING AND GROOVING SLURRY SHALL NOT BE DISCHARGED INTO THE POND.
3. DURING CONSTRUCTION A MINIMUM OF 6-INCH THICK PROTECTIVE LAYER OF IN-SITU SOIL SHALL REMAIN ABOVE THE FINAL GRADE OF THE CONSTRUCTED POND BOTTOM, TO PROTECT THE INFILTRATION PROPERTIES OF THE IN-SITU SOILS BELOW. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN FULLY STABILIZED THIS PROTECTIVE LAYER SHALL BE EXCAVATED AND REMOVED TO MATCH POND BOTTOM FINAL GRADE. THE OVER EXCAVATED SOIL AND UNSUITABLE MATERIAL SHALL BE CAREFULLY EXCAVATED AND REMOVED FROM THE POND SO THAT ALL ACCUMULATED SILTS, CLAYS, ORGANICS AND OTHER FINE SEDIMENT MATERIAL ARE REMOVED FROM THE POND AREA. THE UNSUITABLE SOIL MATERIAL SHALL BE DISPOSED OF BEYOND THE DRAINAGE AREA OF THE BASIN.
4. THE BOTTOM FINAL GRADE OF THE POND WILL NOT BE SODDED.

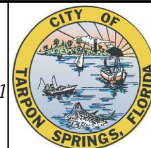
POND FILL SAND NOTES:

1. FILL MATERIAL TO BE CLEAN SAND (SP/SP - SM/SP-SC) ONLY W/ LESS THAN 12% PASSING THE NO. 200 SIEVE AND FREE OF DETRIMENTAL MATERIALS SUCH AS ORGANICS, CLAY CLOUDS, ROOTS, ROCKS LARGER THAN 1" IN GREATEST DIMENSION, ETC.
2. FILL MATERIAL TO BE COMPACTED TO 90 TO 92% OF THE SOILS MODIFIED PROCTOR MAXIMUM DRY DENSITY.
3. FILL SHOULD BE PLACED IN LEVEL LIFTS NOT TO EXCEED 12-INCHES LOOSE THICKNESS (AND ALSO LIGHTLY COMPACTED).

REVISIONS

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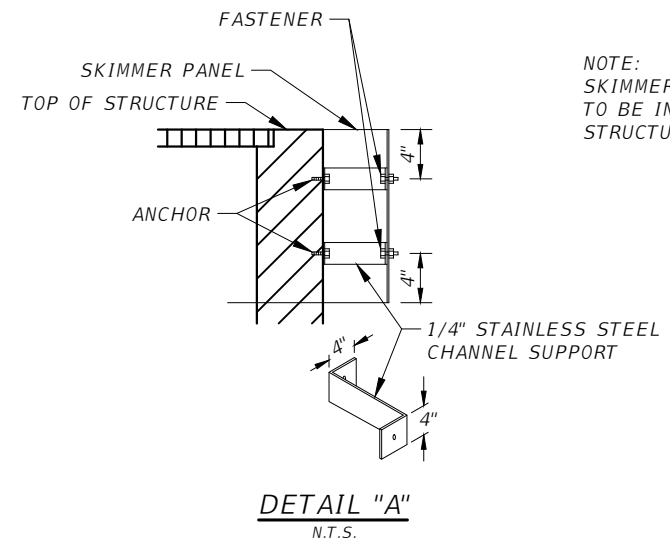
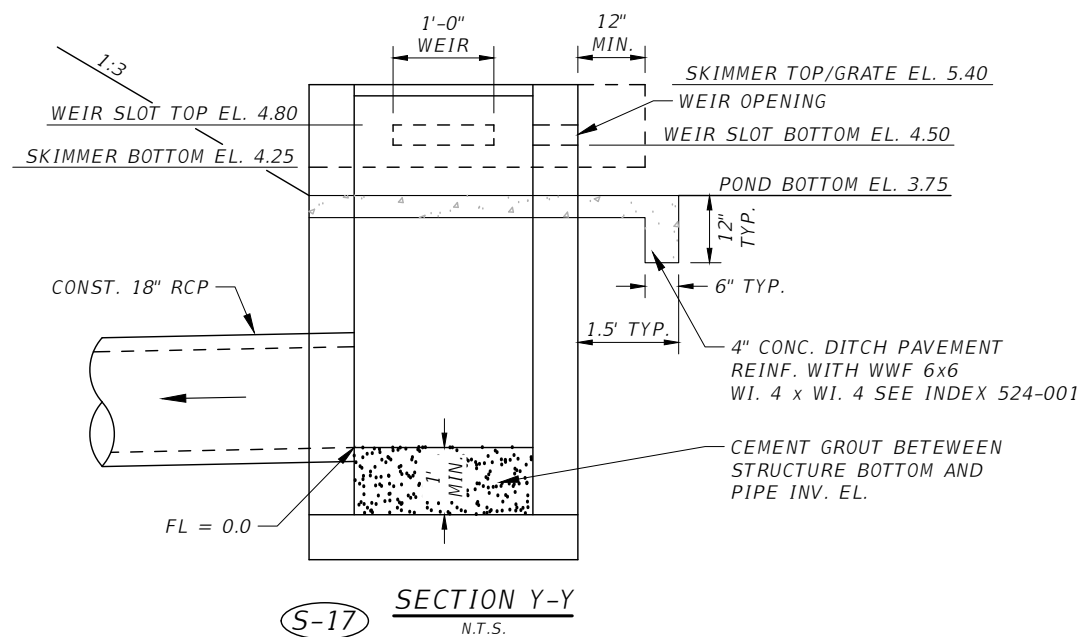
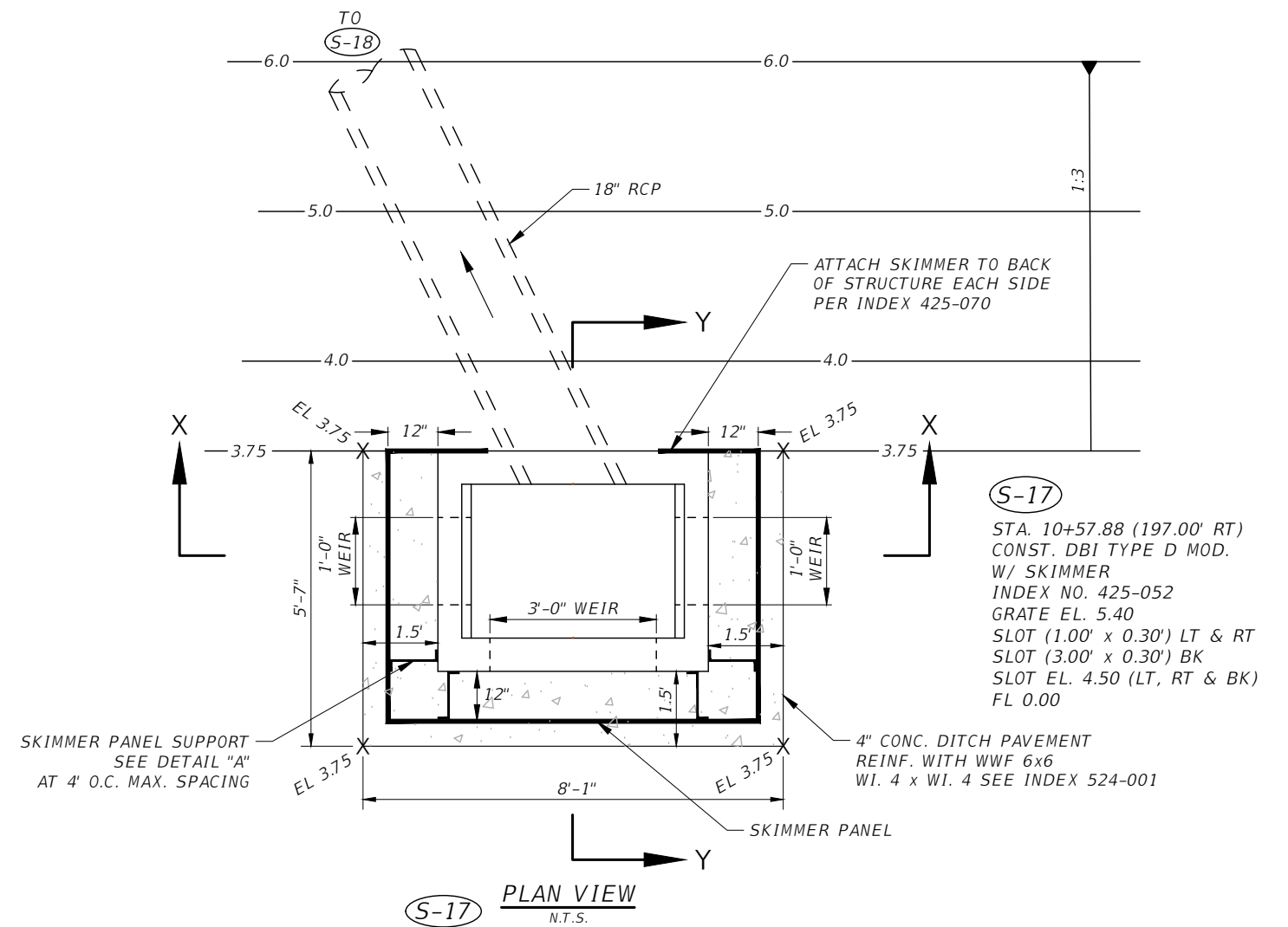
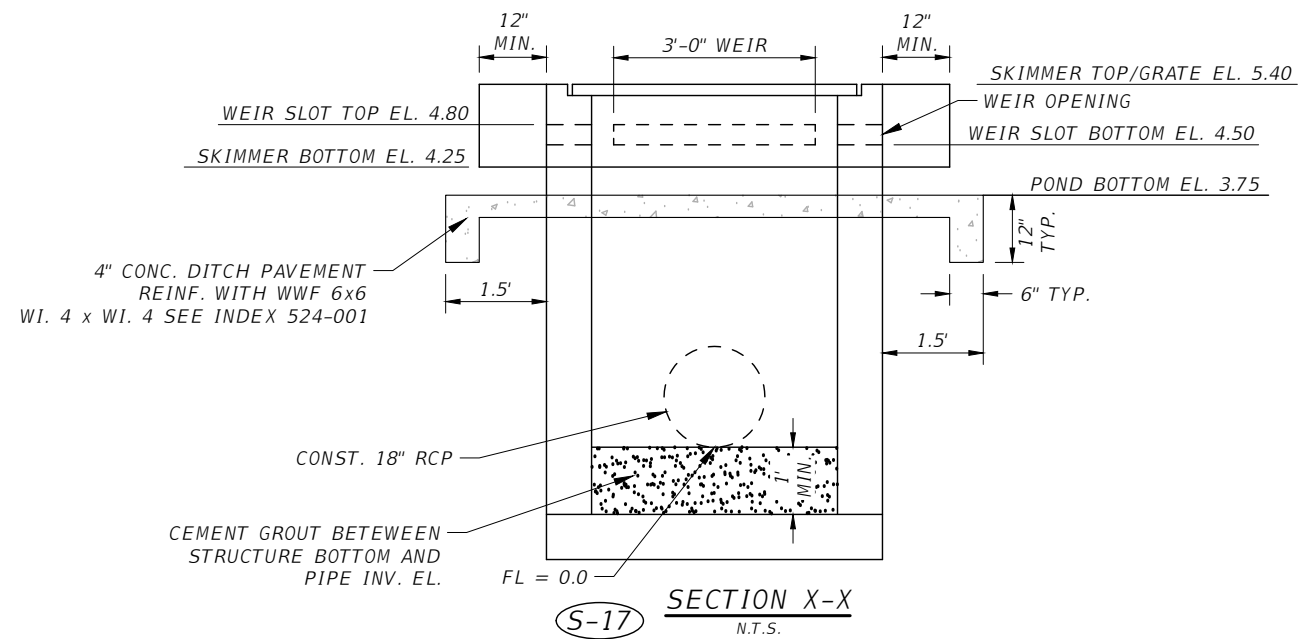


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POND DETAILS (2)

SHEET NO.

25



NOTE:
SKIMMER AND RELATED HARDWARE
TO BE INCLUDED IN CONTROL
STRUCTURE COST.

* REFERENCE INDEX 425-070 FOR SKIMMER MATERIAL,
CONNECTION AND CONSTRUCTION DETAILS

REVISIONS			
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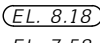
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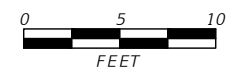
POND DETAILS (3)

SHEET NO.
26

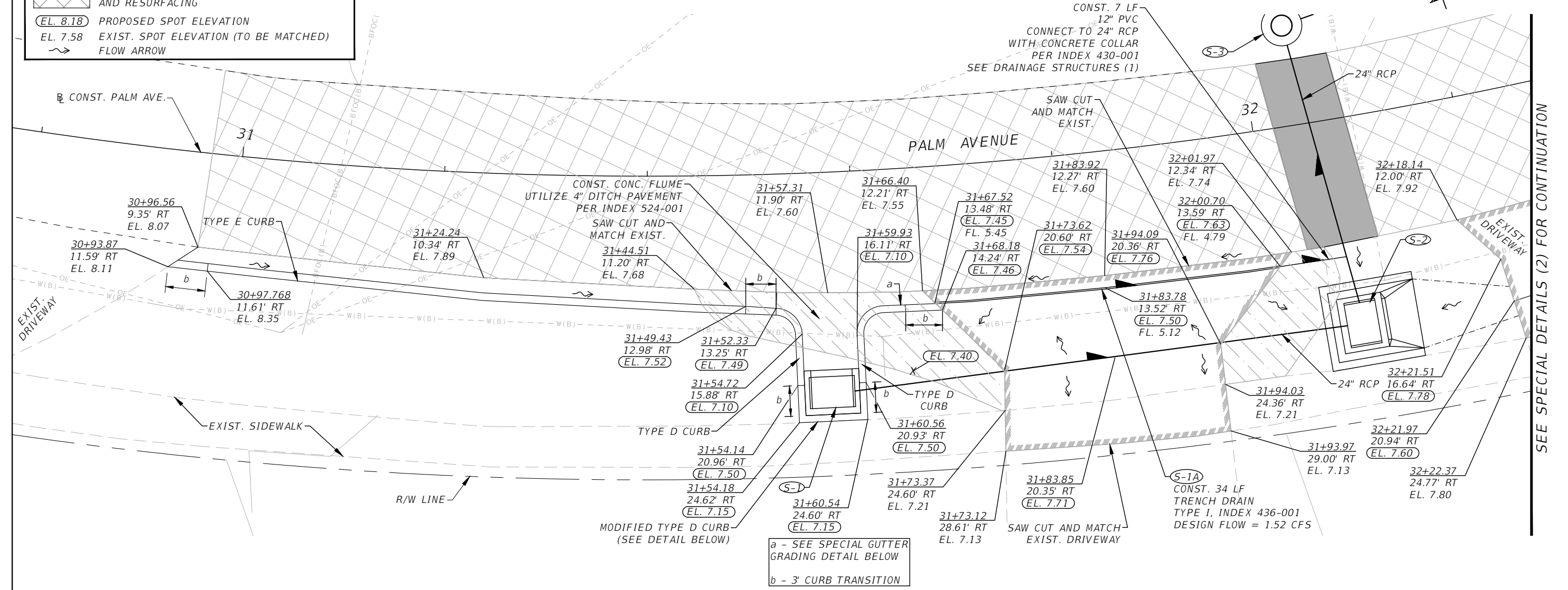
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LEGEND:

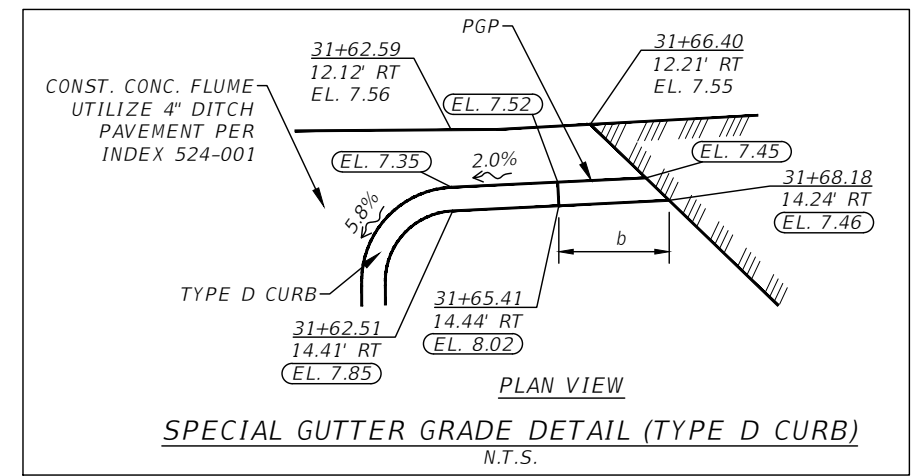
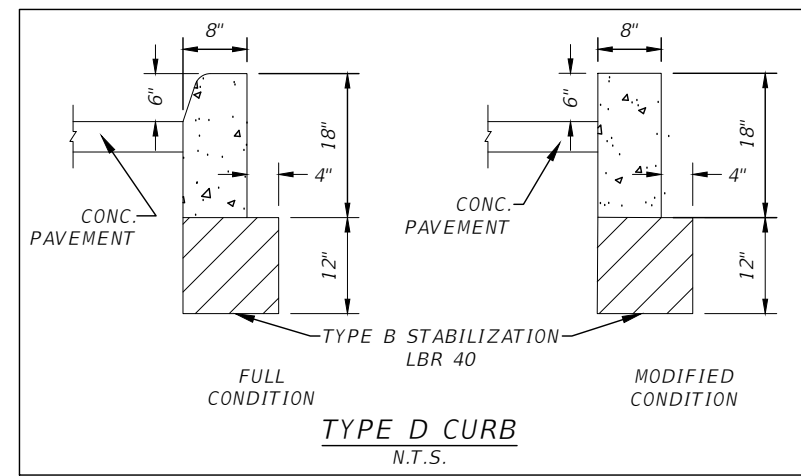
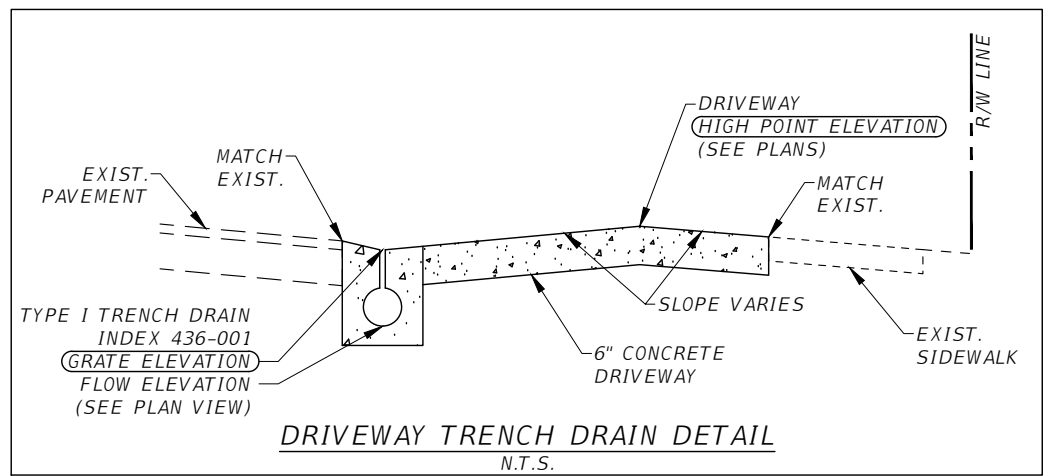
-  LIMITS OF ASPHALT PAVEMENT REMOVAL AND RESTORATION
-  LIMITS OF DRIVEWAY REMOVAL AND 6" CONCRETE REPLACEMENT
-  LIMITS OF ASPHALT PAVEMENT REMOVAL
-  LIMITS OF MILLING AND RESURFACING
- EL. 8.18 PROPOSED SPOT ELEVATION
- EL. 7.58 EXIST. SPOT ELEVATION (TO BE MATCHED)
-  FLOW ARROW



SEE ROADWAY PLAN - PROFILE (3) FOR ADDITIONAL INFORMATION

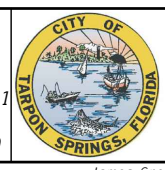


SEE SPECIAL DETAILS (2) FOR CONTINUATION



REVISIONS			
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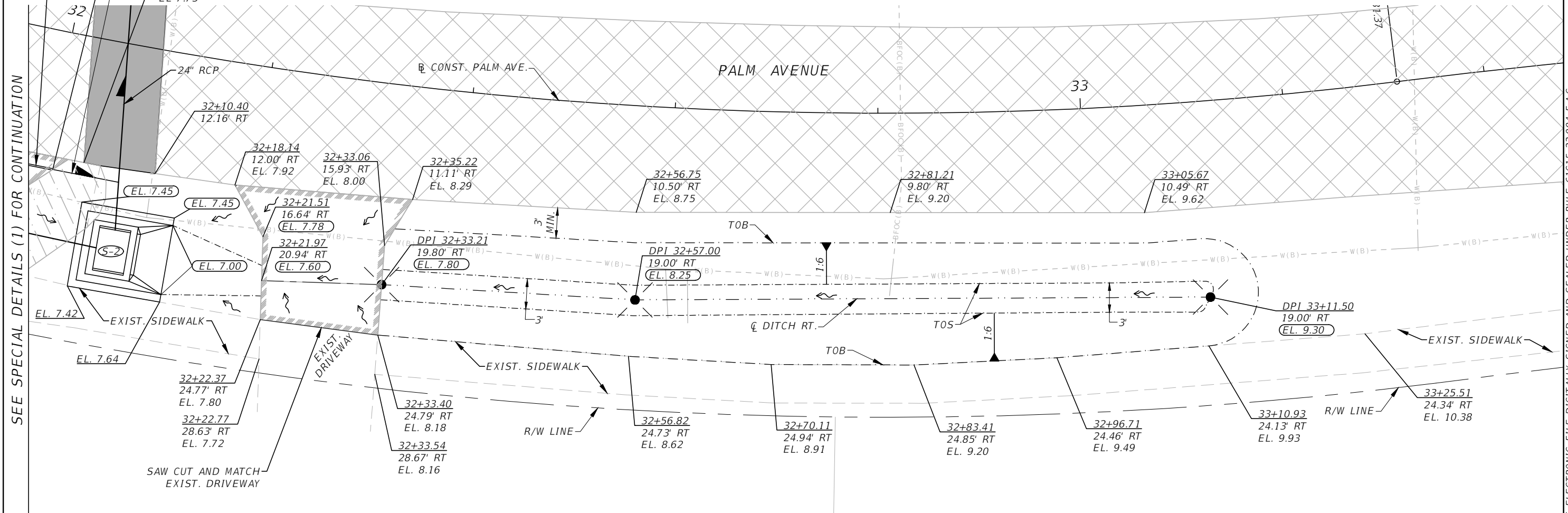
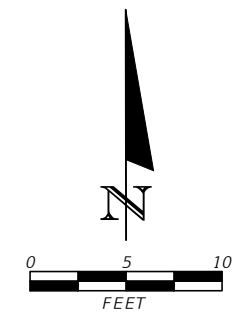


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SPECIAL DETAILS (1)

SHEET NO.
27

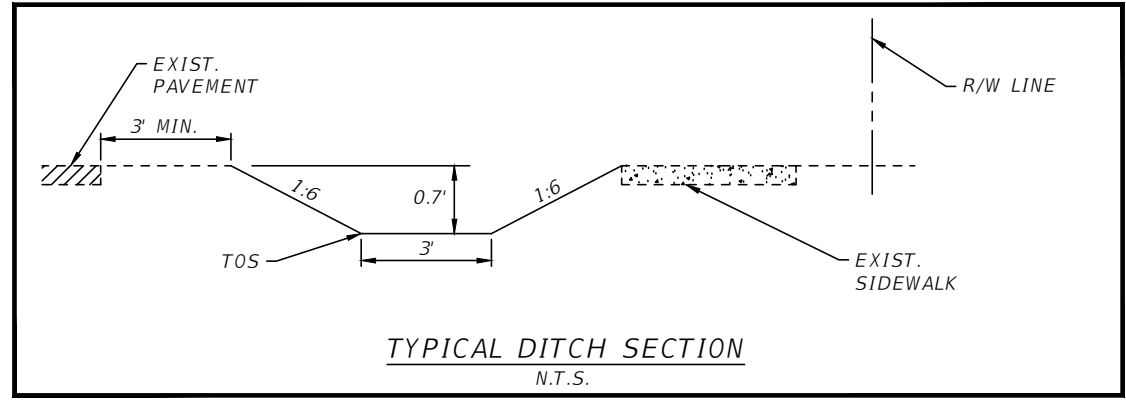
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SEE SPECIAL DETAILS (1) FOR CONTINUATION

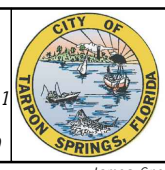
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 F.A.C.

LEGEND:	
	LIMITS OF ASPHALT PAVEMENT REMOVAL AND RESTORATION
	LIMITS OF DRIVEWAY REMOVAL AND 6" CONCRETE REPLACEMENT
	LIMITS OF ASPHALT PAVEMENT REMOVAL
	LIMITS OF MILLING AND RESURFACING
	PROPOSED SPOT ELEVATION
	EXIST. SPOT ELEVATION (TO BE MATCHED)
	FLOW ARROW



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

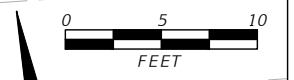
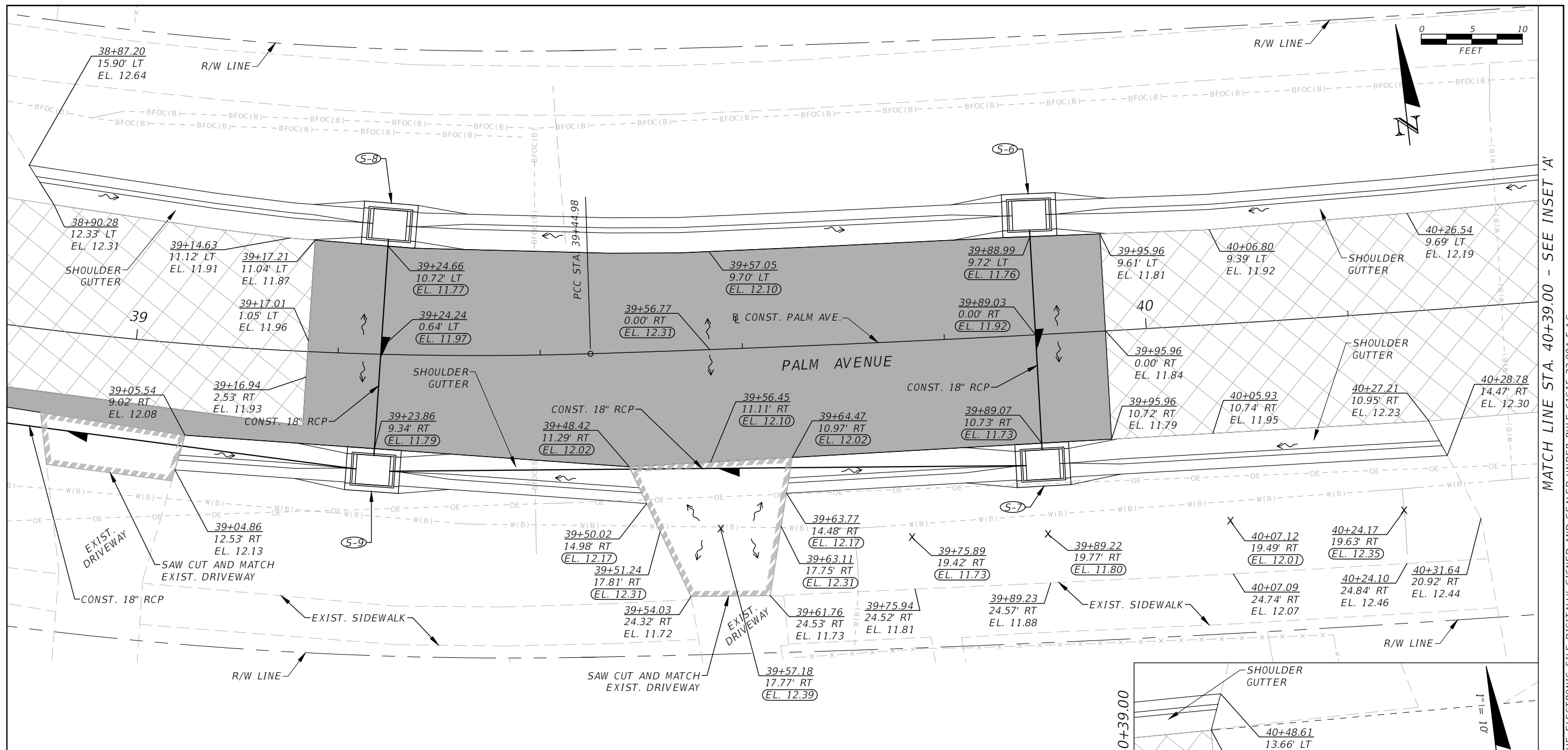
CHARLES T. CURTIS, P.E.
P.E. LICENSE NUMBER 82185
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
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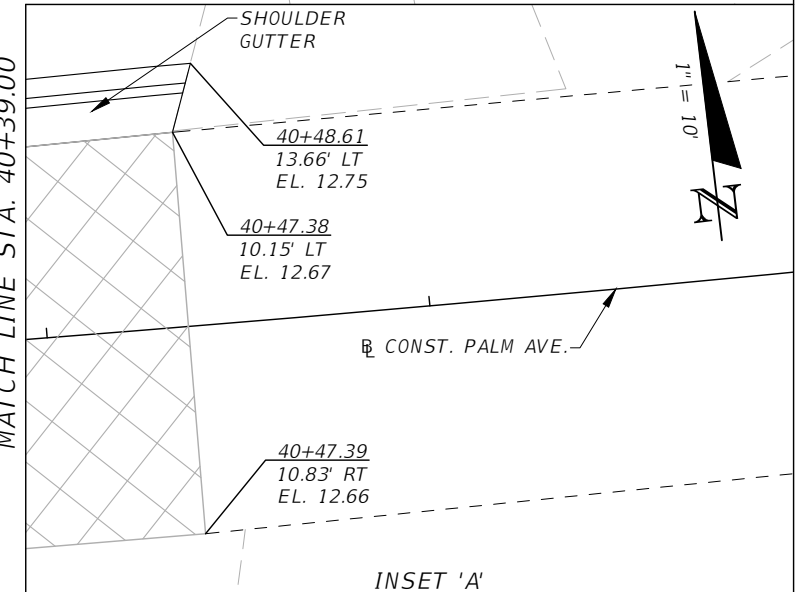
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SPECIAL DETAILS (2)

SHEET NO.
28



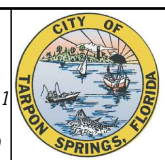
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

LEGEND:	
	LIMITS OF ASPHALT PAVEMENT REMOVAL AND RESTORATION
	LIMITS OF DRIVEWAY REMOVAL AND 6\"/>

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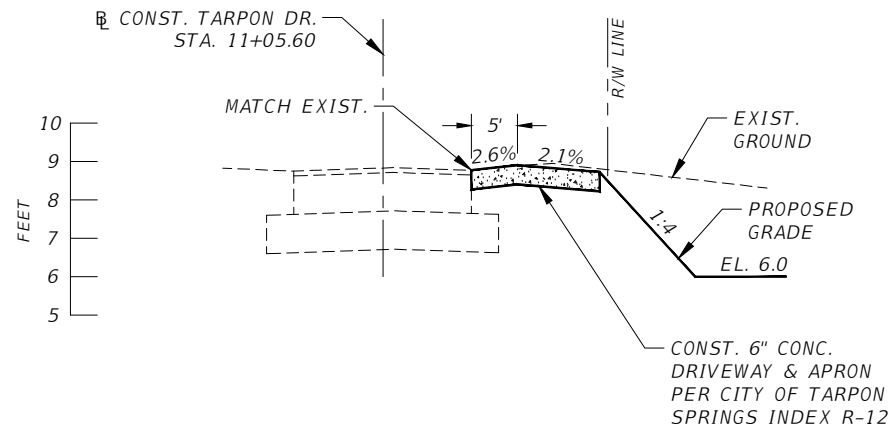


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SPECIAL DETAILS (3)

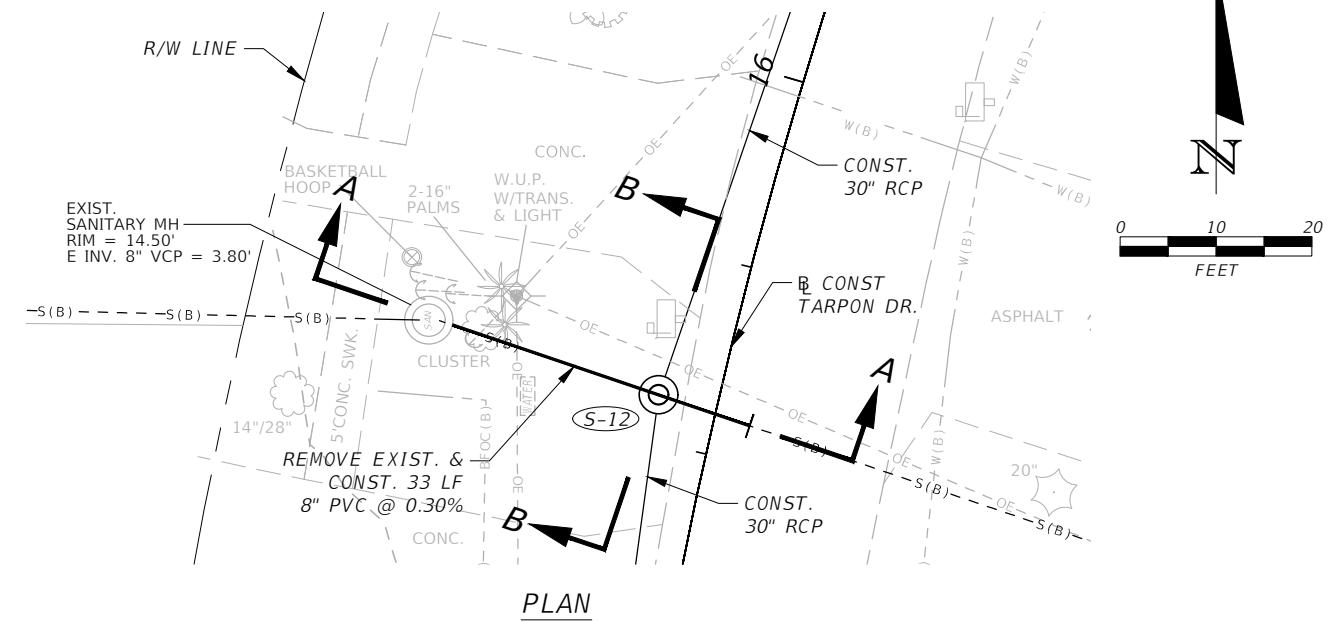
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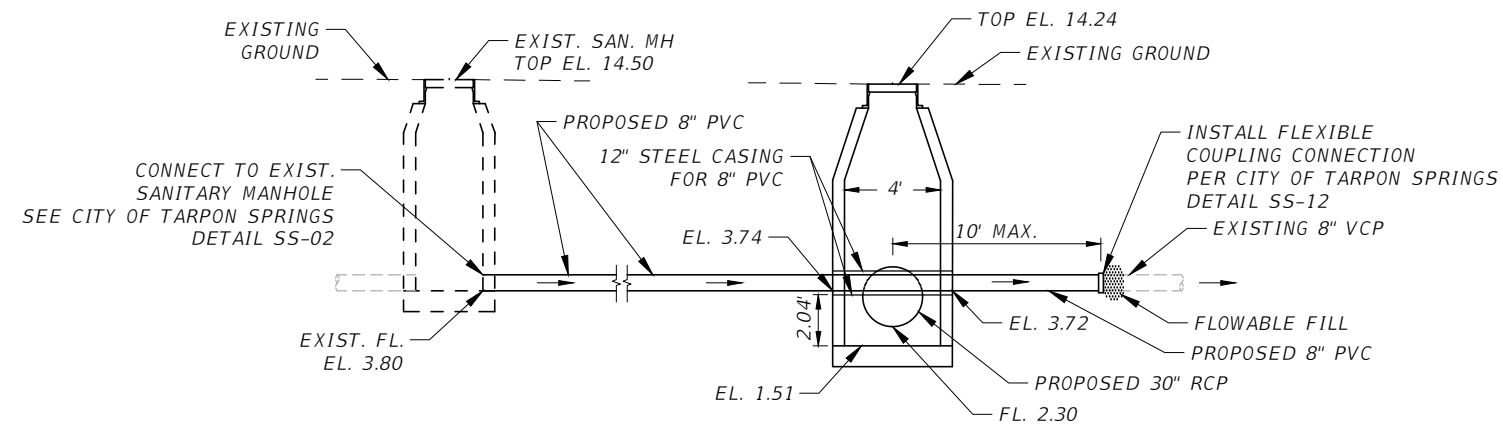
POND ACCESS DRIVEWAY DETAIL

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

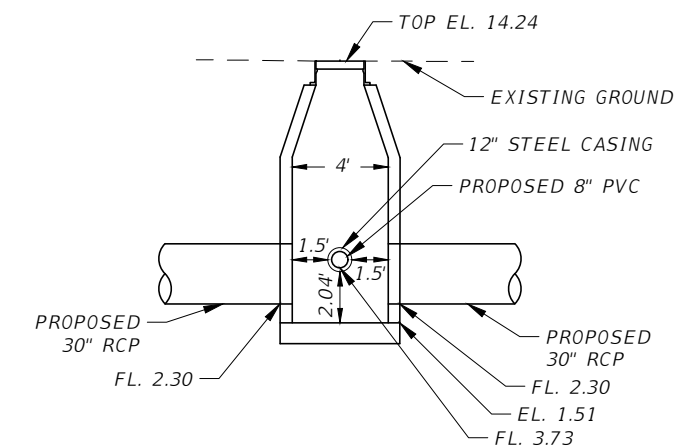


NOTES:

1. CONTRACTOR TO BE AWARE THAT THE 8" CLAY SANITARY SEWER PIPE MAY BE FRAGILE. CONTRACTOR MAY TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING CLAY SANITARY PIPE SUCH AS HAND EXCAVATION. FLOWABLE FILL HAS BEEN INCLUDED IN ORDER TO ACHIEVE REQUIRED COMPACTION OVER EXPOSED CLAY SANITARY PIPE.



SECTION "A-A"
NTS



SECTION "B-B"
NTS

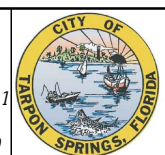
NOTES:

1. CONFLICT MANHOLE SHOP DRAWING SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATING OR BEGINNING OF ANY WORK ON THE CONFLICT MANHOLE.
2. THE STRUCTURAL DESIGN SHALL BE CONSISTENT WITH FDOT INDEX 425-001 AND 425-010 AS APPROVED BY THE ENGINEER.

S-12 CONFLICT MANHOLE DETAILS

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SPECIAL DETAILS (4)

SHEET NO.
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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 WITH A NEW STORMWATER MANAGEMENT CONVEYANCE FACILITY LOCATED IN THE CITY OF TARPON SPRINGS, PINELLAS COUNTY. THE BASIN LIMITS EXTEND FROM PALM AVENUE SOUTH TO 340' PAST GULF ROAD AND FROM GLADES AVENUE EAST TO 100' PAST PRINCESS PLACE. AS PART OF THE PROPOSED DRAINAGE, ONE NEW SMF IS TO BE EXCAVATED (POND A), AND A NEW CLOSED STORM SEWER SYSTEM WILL BE CONSTRUCTED TO CONVEY FLOWS TO THE NEW SMF. A NEW CONTROL STRUCTURE OUTFALL WILL BE ADDED WITHIN THE PROPOSED SMF THAT WILL DISCHARGE INTO THE BAY HEAD WETLAND EAST OF SMF AND SOUTH OF GULF ROAD.

(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 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 EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(1.C.) PROJECT AREA ESTIMATES:

TOTAL SITE AREA: 3.30 ACRES.
TOTAL AREA TO BE DISTURBED: 1.03 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) = 0.60 DURING: Cw (D) = VARIES FROM 0.60 TO 0.65 AFTER: Cw (A) = 0.62

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 ON THE POND DETAIL SHEETS. THE SHEET NUMBER IS IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE:
SOIL TYPE HYDROLOGIC GROUP DEPTH TO SHWE
4 - ASTATULA SOILS & URBAN LAND A >80"
16 - MATLACHA & ST. AUGUSTINE SOILS & URBAN LAND A 24-36"

REFERENCE: GEOTECHNICAL ENGINEERING REPORT BY MC SQUARED, INC. (NO. T021815.033, 08/08/2018)

OUTFALL INFORMATION:

THERE IS 1 OUTFALL.

THE OUTFALL DISCHARGES INTO THE FOLLOWING BASIN:

BASIN LISTING	WBID	PARAMETER(S) OF CONCERN
ANCLOTE RIVER BAYOU COMPLEX (SPRING BAYOU)	1440A	IRON

OUTFALL LOCATION (TEMPORARY AND PERMANENT):

DESCRIPTION	DRAINAGE AREA	LATITUDE/LONGITUDE	RECEIVING WATERBODY
(a) 18" RCP W/MES	4.12 AC	N 28° 08' 34" W 82° 46' 19"	WHITCOMB BAYOU

(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 INTO THE WHITCOMB BAYOU AND ULTIMATELY 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 NORTH TO SOUTH TOWARDS GULF ROAD AND THE BAY HEAD WETLAND. 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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STORMWATER POLLUTION
PREVENTION PLAN (1)

SHEET
NO.

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(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 TRUBIDITY 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 PERMIT OR 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 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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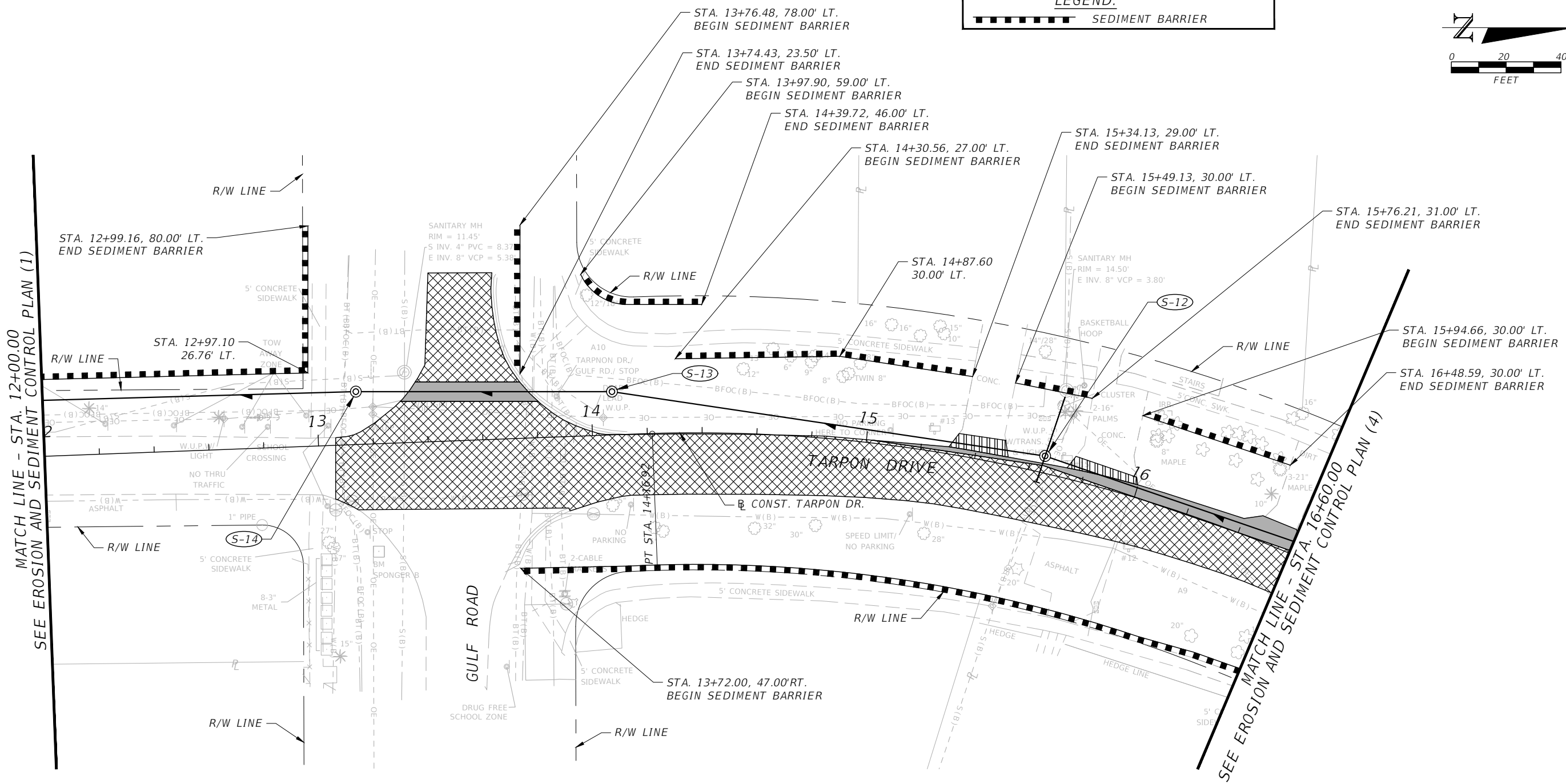
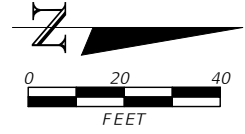
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STORMWATER POLLUTION
PREVENTION PLAN (2)

SHEET
NO.

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LEGEND:
 SEDIMENT BARRIER

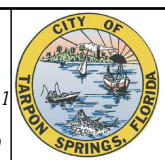


MATCH LINE - STA. 12+00.00
SEE EROSION AND SEDIMENT CONTROL PLAN (1)

MATCH LINE - STA. 16+60.00
SEE EROSION AND SEDIMENT CONTROL PLAN (4)

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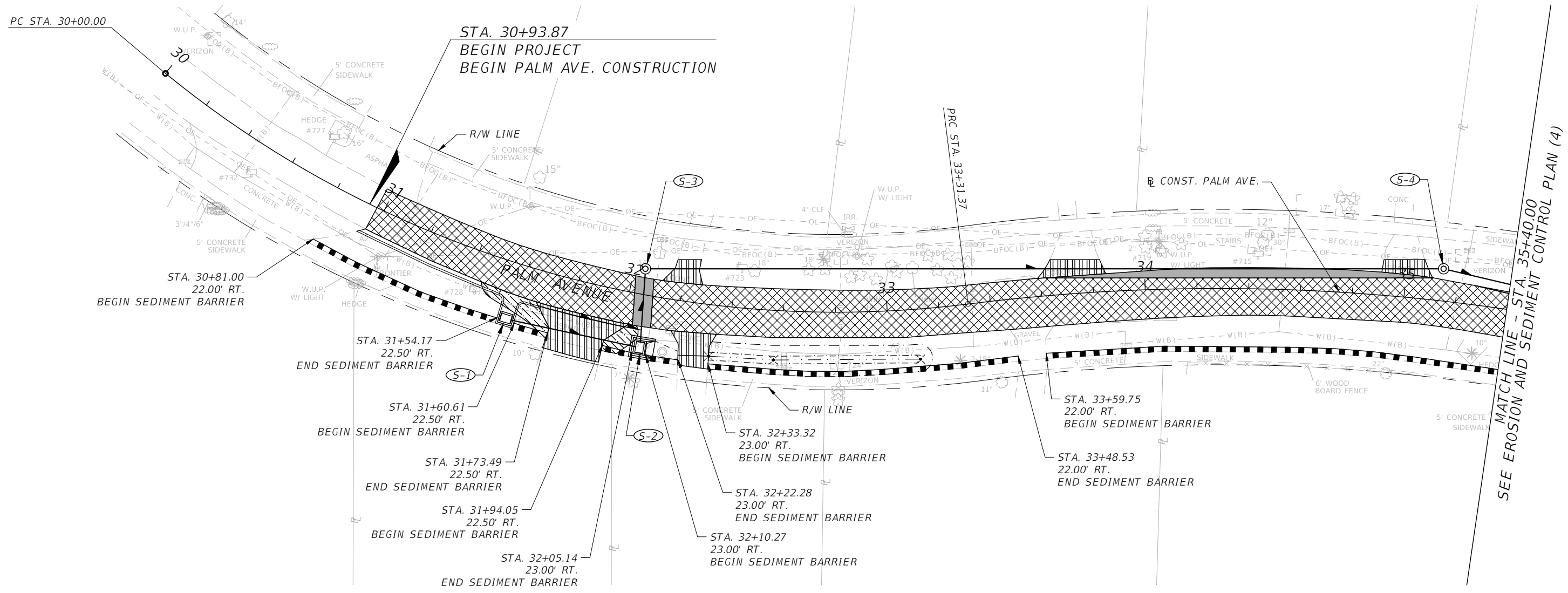
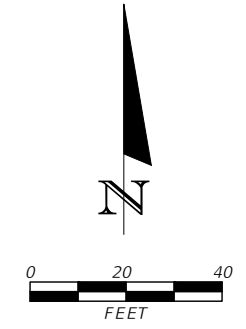
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**EROSION AND SEDIMENT
 CONTROL PLAN (2)**

SHEET NO.
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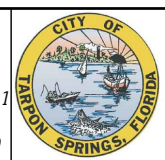
LEGEND:
 SEDIMENT BARRIER



MATCH LINE - STA. 35+40.00
 SEE EROSION AND SEDIMENT CONTROL PLAN (4)

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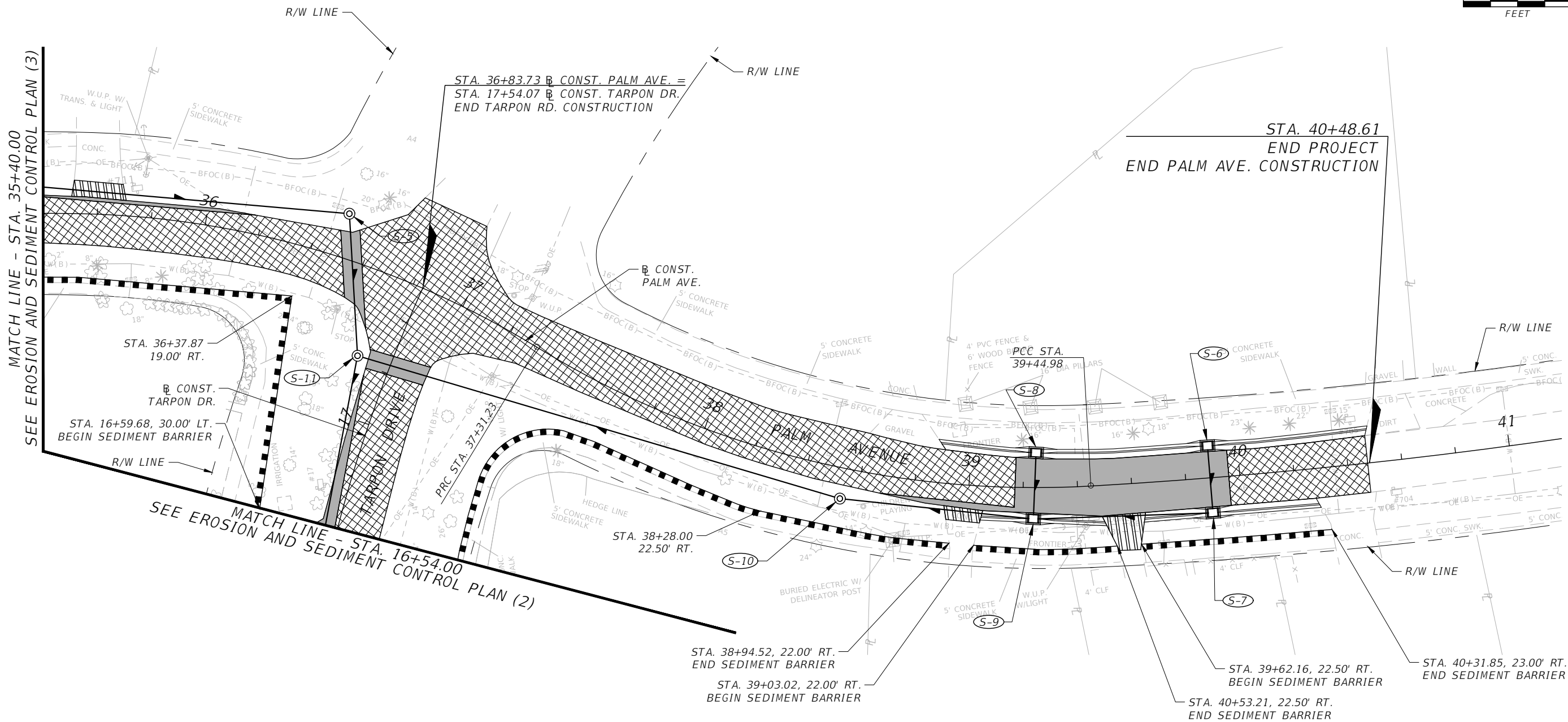
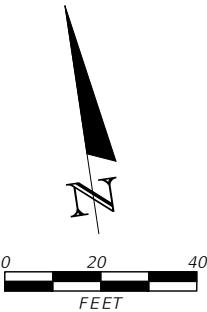
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**EROSION AND SEDIMENT
 CONTROL PLAN (3)**

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LEGEND:
 SEDIMENT BARRIER



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**EROSION AND SEDIMENT
 CONTROL PLAN (4)**

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GENERAL NOTES

1. THE REGULATORY SPEED LIMITS FOR THE PROJECT ROADWAYS SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED IN THE PLANS.

ROADWAY	REGULATORY SPEED LIMIT:
GULF ROAD	30 MPH
TARPON DRIVE	30 MPH
PALM AVENUE	25 MPH
SIDE STREETS	MAINTAIN EXISTING
2. LANE CLOSURE RESTRICTIONS FOR PALM AVENUE AND TARPON DRIVE ARE AS FOLLOWS:
NO LANE CLOSURES WILL BE ALLOWED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM.
3. THE TEMPORARY TCP DETOUR GULF ROAD MAY BE UTILIZED FOR A SINGLE USE, 10 DAY MAXIMUM CLOSURE.
4. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS IN ADVANCE OF ANY LANE CLOSURES. UPON APPROVAL OF THE LANE CLOSURE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LOCAL LAW ENFORCEMENT, EMERGENCY MEDICAL SERVICE, AND FIRE DEPARTMENT OF THE LANE CLOSURE.
5. ALL LANES ON GULF ROAD MUST BE OPEN TO TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT, AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE ENGINEER.
6. AT THE DISCRETION OF THE ENGINEER, OPEN ANY TEMPORARY LANE CLOSURE CAUSING EXTENDED TRAFFIC CONGESTION (5 MINUTE DELAY) UNTIL TRAFFIC HAS RETURNED TO AN ACCEPTABLE FLOW AS DETERMINED BY THE ENGINEER.
7. COMPLETE AND PROVIDE ROAD CLOSURE REQUEST FORM TO PINELLAS COUNTY ROADS AND DRAINAGE DIVISION AT LEAST FOUR (4) WEEKS PRIOR TO THE CLOSURE OF ANY ROADS IN THE COUNTY FOR THE ISSUANCE OF A ROAD CLOSURE PERMIT.
8. NOTIFY ADJACENT PROPERTY OWNERS 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH SHALL RESTRICT ACCESS, DELIVERY, ETC, TO PRIVATE OR COMMERCIAL PROPERTIES.
9. WHENEVER CONSTRUCTION EQUIPMENT IS BEING DRIVEN OR TRANSPORTED ON THE OPEN TRAVEL LANES, THE CONTRACTOR SHALL UTILIZE STANDARD PLANS INDEX NO. 102-103 AND 102-607.
10. DO NOT CLOSE ANY TWO CONSECUTIVE SIDE STREETS IN ANY GIVEN PHASE.
11. THROUGHOUT THE PROJECT LIMITS WHERE SIDEWALKS CURRENTLY EXIST, PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, IN ACCORDANCE WITH STANDARD PLANS INDEX NO. 102-660. ALL PEDESTRIAN TRAVEL WAYS SHALL COMPLY WITH ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AT ALL TIMES. WHEN WORK IS BEING PERFORMED ON OR IN THE VICINITY OF A SIDEWALK, THE CONTRACTOR SHALL PROVIDE PEDESTRIANS WITH A SIGNED SAFE PASSAGE AROUND THE WORK ZONE. PEDESTRIAN DETOURS SHALL BE IN ACCORDANCE WITH STANDARD PLANS INDEX NO. 102-660.
12. FOR DROP-OFFS IN WORK ZONES, THE CONTRACTOR IS DIRECTED TO THE REQUIREMENTS OF FDOT STANDARD PLANS INDEX NO. 102. ALL TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE.
13. STORAGE OF ANY TCP DEVICES ARE NOT ALLOWED ON PUBLIC SIDEWALKS.
14. THE SEQUENCE OF CONSTRUCTION AND METHODS DESCRIBED IN THIS PLAN SET, IF PROVIDED, IS A SUGGESTED MAINTENANCE OF TRAFFIC SCHEME. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE CITY, THEIR OWN "TRAFFIC CONTROL THROUGH WORK ZONE" PLANS, PRIOR TO CONSTRUCTION. ALL CONTRACTOR PROPOSED TRAFFIC CONTROL PLANS/SCHEMES MUST BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, AND SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX NO. 102.
15. 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.
16. 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.

17. THE CONTRACTOR IS ALERTED THAT PRE-MIXED, PRE-APPROVED STABILIZATION MAY BE NEEDED TO MEET THE DROP-OFF CRITERIA.
18. 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.
19. ALL SILT FENCE AND INLET PROTECTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
20. LOCATION(S) OF WORK ZONE ACCESS TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER.
21. ACCESS TO ALL SIDE STREETS AND DRIVEWAYS SHALL BE CONTINUOUSLY MAINTAINED FOR THE DURATION OF THE PROJECT, UNLESS PREVIOUSLY APPROVED BY THE CITY.

INTENT OF CONSTRUCTION

PHASE I

1. MAINTAIN TRAFFIC ALONG THE EXISTING FACILITIES. ERECT ADVANCED CONSTRUCTION IDENTIFICATION SIGNS AND CHANNELIZING DEVICES AS NECESSARY (CONFORM TO DESIGN STANDARDS INDEX NO. 102-600, 102-601, 102-602 AND 102-603).
2. INSTALL TEMPORARY EROSION CONTROL DEVICES PER STORMWATER POLLUTION PREVENTION PLAN AND EROSION CONTROL PLAN (CONFORM TO DESIGN STANDARDS INDEX NO. 102-601 AND 102-602). INSTALL TEMPORARY PAVEMENT PER TEMPORARY TRAFFIC CONTROL PLAN (4).

PHASE II

1. CONSTRUCT DRAINAGE SYSTEM ACROSS TARPON DRIVE PER PLANS AND TEMPORARY TRAFFIC CONTROL PLAN (4).
2. CONSTRUCT NORTHBOUND TARPON DRIVE WITH DRAINAGE PIPE INSTALLATION PER PLANS AND TEMPORARY TYPICAL SECTION. (CONFORM TO FDOT DESIGN STANDARDS INDEX NO. 102-600, 102-602 AND 102-603).

PHASE III

1. CONSTRUCT DRAINAGE SYSTEM ACROSS TARPON DRIVE PER PLANS AND TEMPORARY TRAFFIC CONTROL PLAN (4).
2. CONSTRUCT SOUTHBOUND TARPON DRIVE WITH DRAINAGE PIPE INSTALLATION PER PLANS AND TEMPORARY TYPICAL SECTION. (CONFORM TO FDOT DESIGN STANDARDS INDEX NO. 102-600, 102-602 AND 102-603).

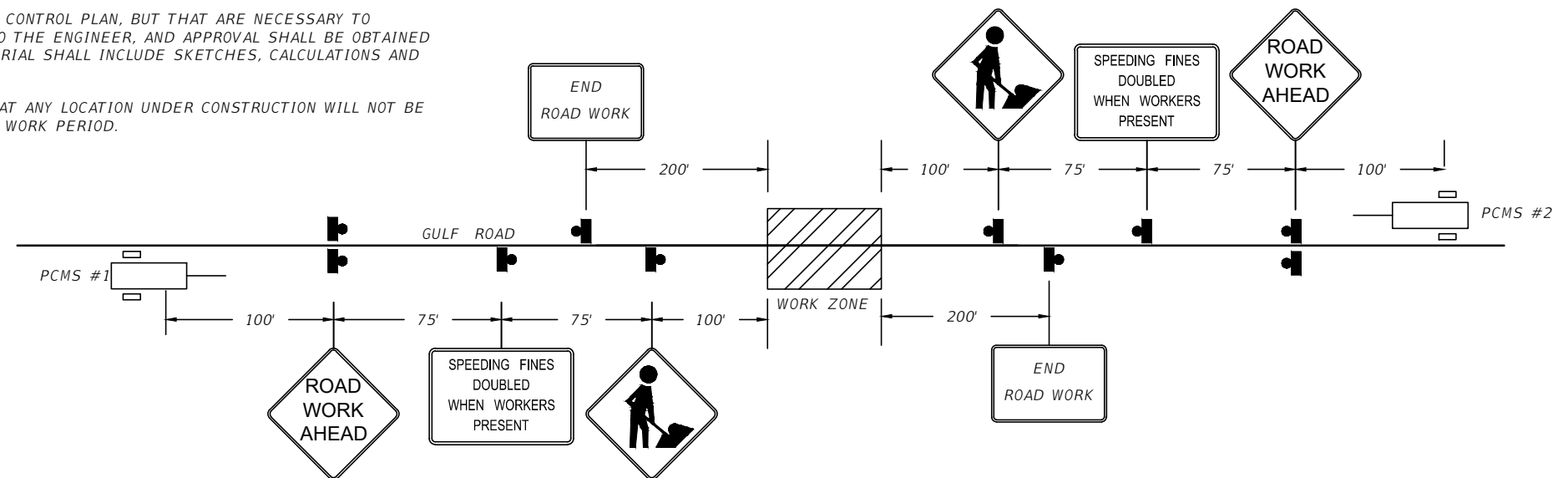
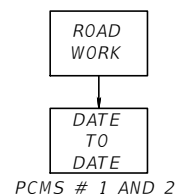
PHASE IV

1. CONSTRUCT CURB & GUTTER, SIDEWALK AND PLACE TEMPORARY PAVEMENT MARKINGS ALONG GULF ROAD PER PLANS, TEMPORARY TRAFFIC CONTROL PLAN (2) AND LANE CLOSURE RESTRICTIONS (CONFORM TO DESIGN STANDARDS INDEX NO. 102-600, 102-601, 102-602, 102-603, 102-604, 102-605 AND 102-607).
2. CONSTRUCT DRAINAGE SYSTEM ALONG PALM AVENUE AND TARPON DRIVE PER PLANS, TEMPORARY TRAFFIC CONTROL PLAN (3) AND LANE CLOSURE RESTRICTIONS (CONFORM TO DESIGN STANDARDS INDEX NO. 102-600, 102-601, 102-602, 102-603, 102-604 AND 102-605).

PHASE V

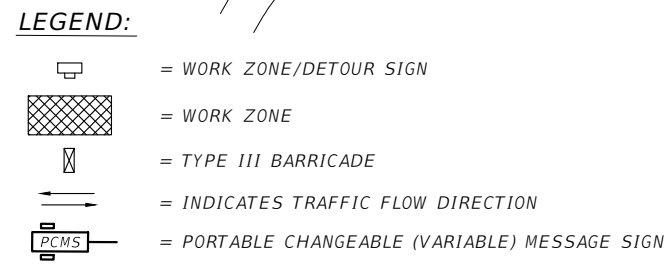
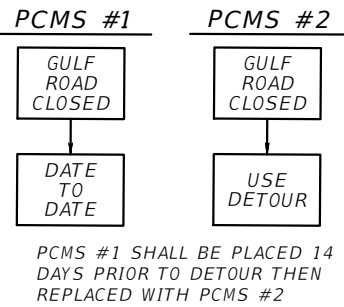
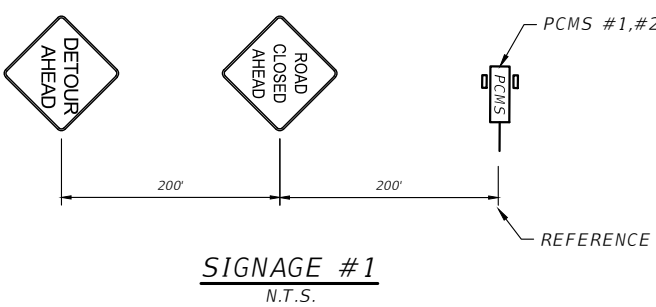
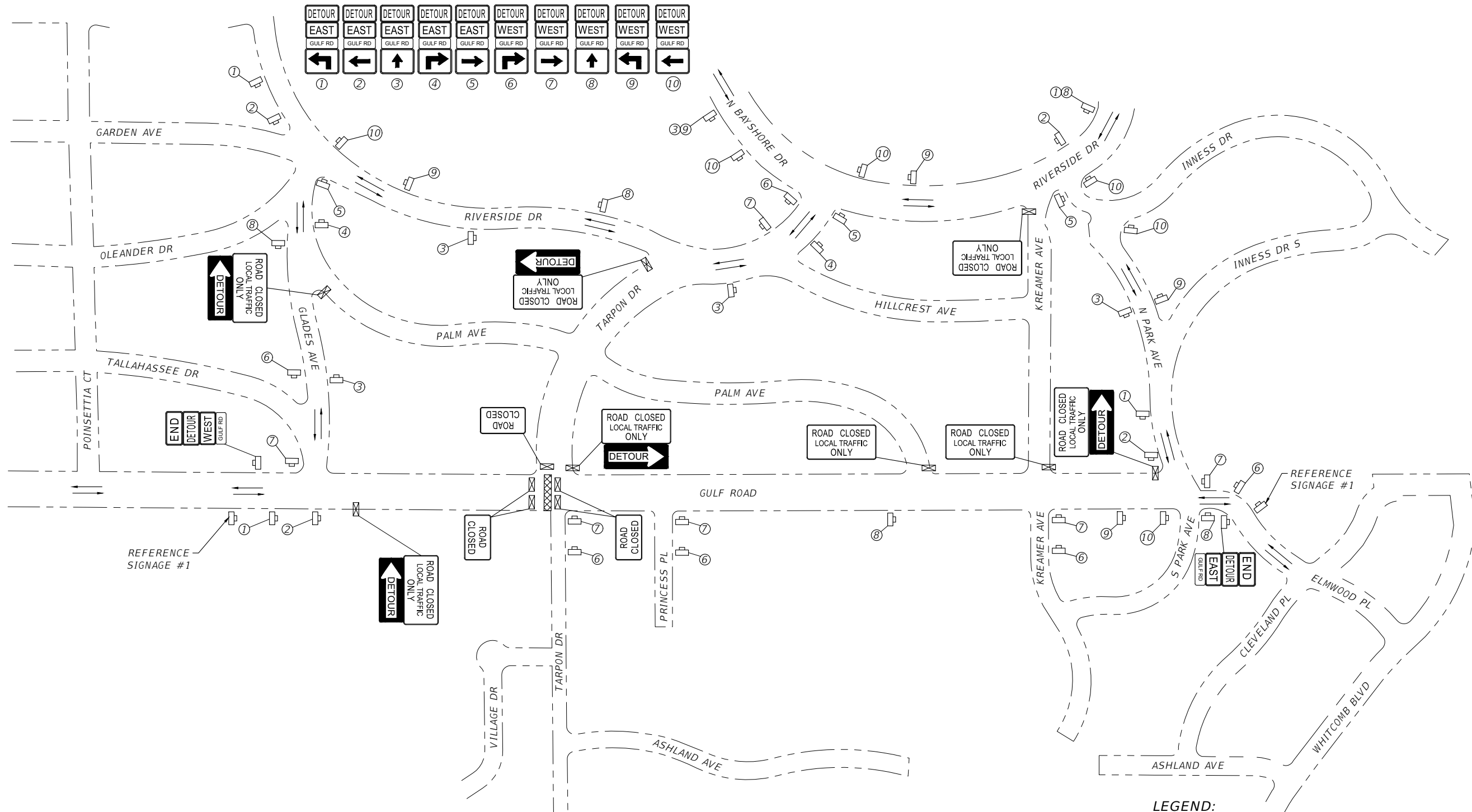
1. MILL AND RESURFACE THE ROADWAYS AND PLACE TEMPORARY PAVEMENT MARKINGS UTILIZING STANDARD PLANS INDEX NOS. 102-600, 102-603, 102-604, 102-605 AND 102-625.
2. PLACE FINAL SIGNING AND PAVEMENT MARKINGS PER THE SIGNING AND PAVEMENT MARKING PLANS UTILIZING STANDARD PLANS INDEX NOS. 102-600, 102-601, 102-602, 102-603, 102-604, 102-605 AND 102-607.

NOTE:
PCMS NO. 1 & 2 SHALL BE PLACED 7 DAYS PRIOR TO BEGINNING OF CONSTRUCTION.



REVISIONS				CHARLES T. CURTIS, P.E. P.E. LICENSE NUMBER 82185 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HIGHWAY, SUITE 201 TAMPA, FLORIDA 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 (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				37

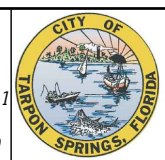
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GULF ROAD DETOUR

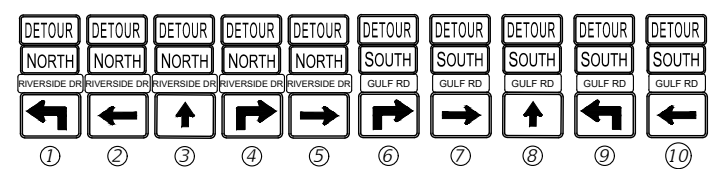
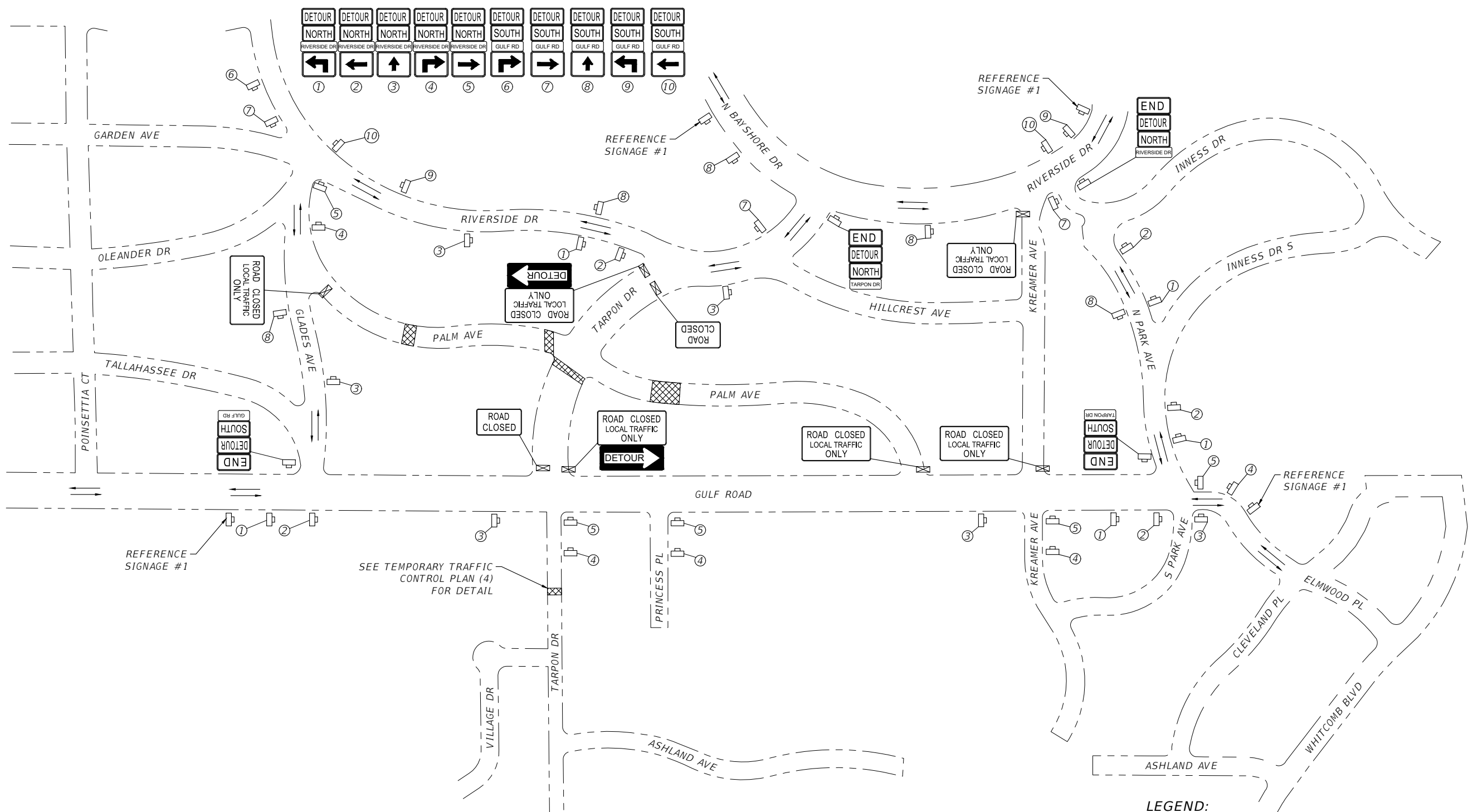
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
 P.E. LICENSE NUMBER 82185
 ICON CONSULTANT GROUP, INC.
 10006 N. DALE MABRY HIGHWAY, SUITE 201
 TAMPA, FLORIDA 33618
 CERTIFICATE OF AUTHORIZATION NO. 8230

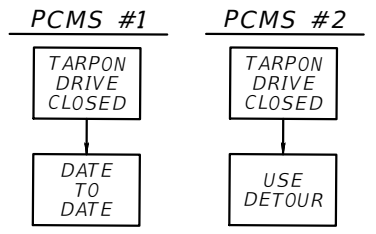


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 PUBLIC SERVICES DEPARTMENT
 324 E. PINE STREET
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TEMPORARY TRAFFIC CONTROL PLAN (2)



SIGNAGE #1
N.T.S.



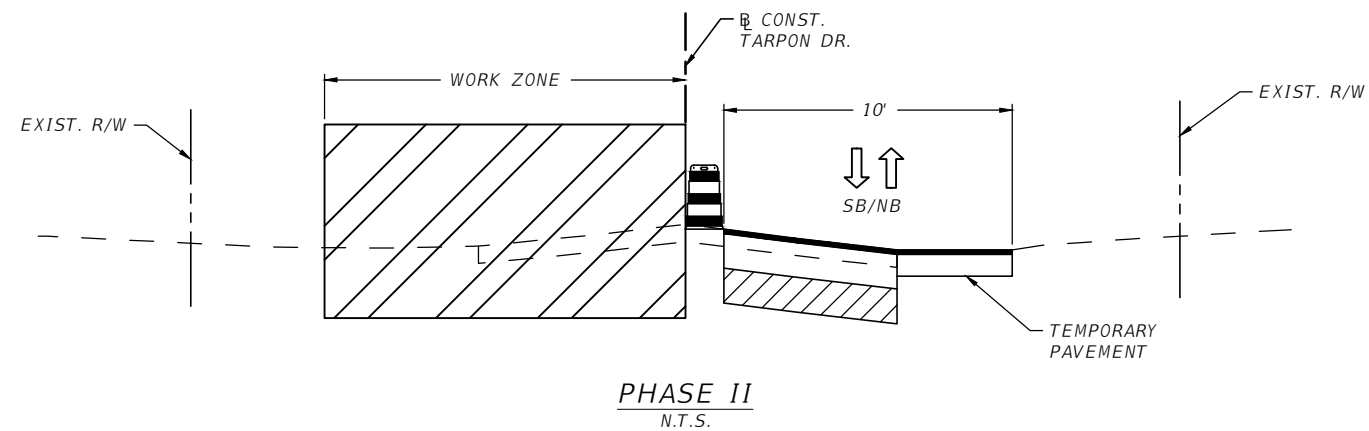
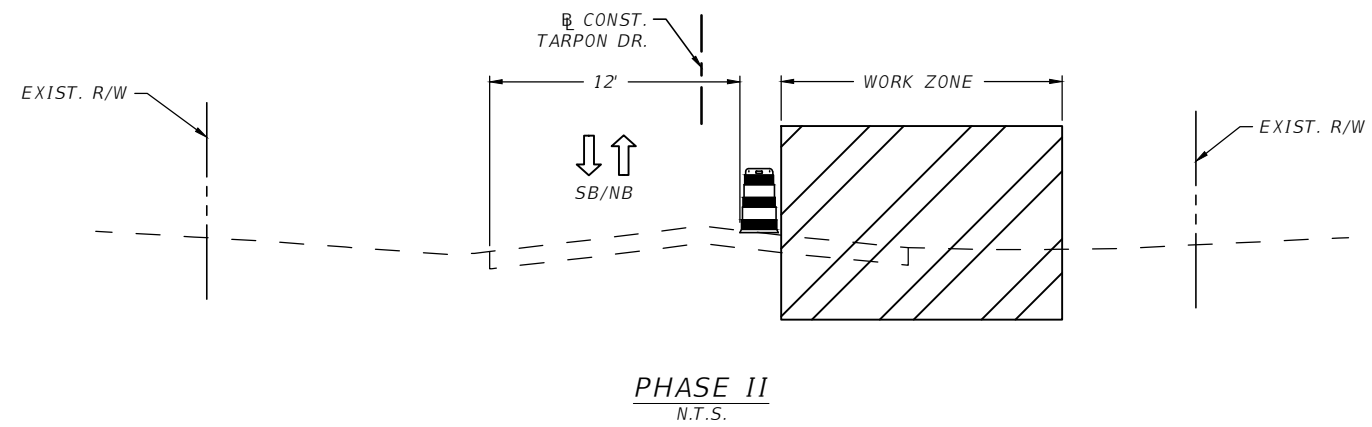
PCMS #1 SHALL BE PLACED 14 DAYS PRIOR TO DETOUR THEN REPLACED WITH PCMS #2

- LEGEND:**
- = WORK ZONE/DETOUR SIGN
 - = WORK ZONE
 - = TYPE III BARRICADE
 - = INDICATES TRAFFIC FLOW DIRECTION
 - = PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGN

TARPON DRIVE DETOUR

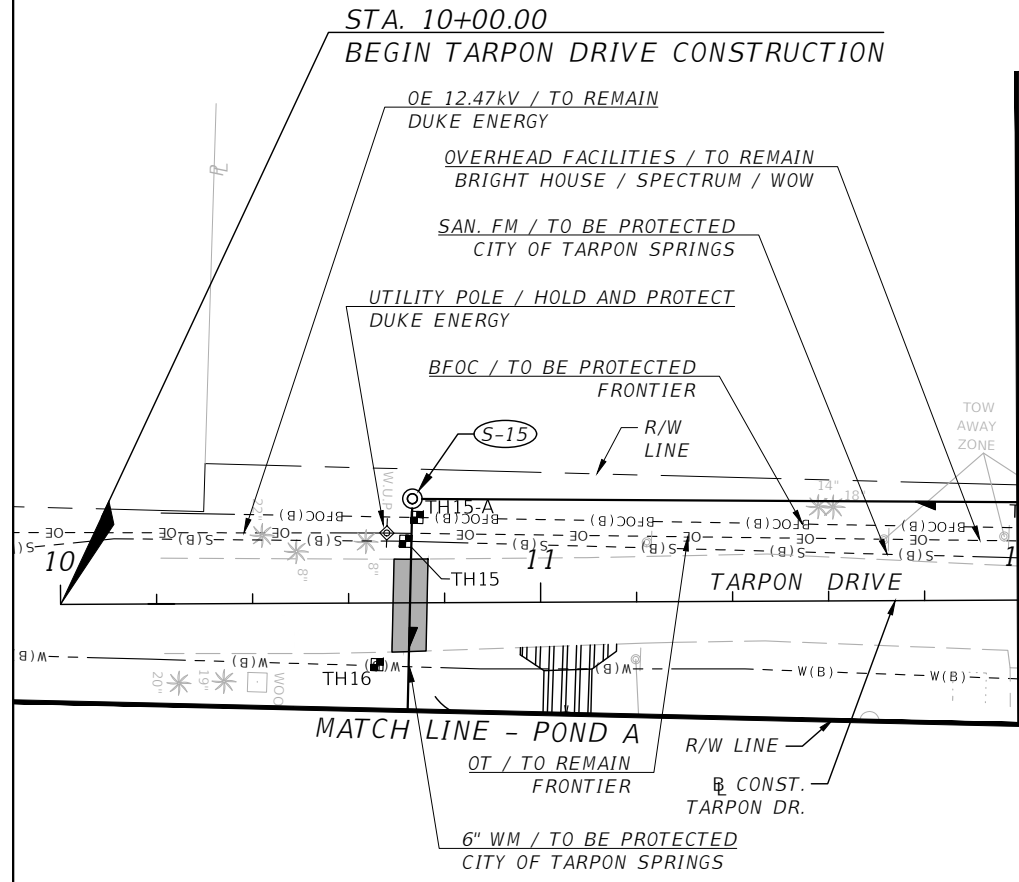
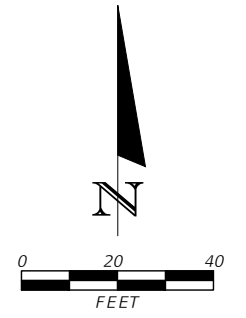
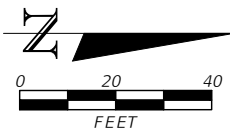
REVISIONS				CHARLES T. CURTIS, P.E. P.E. LICENSE NUMBER 82185 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HIGHWAY, SUITE 201 TAMPA, FLORIDA 33618 CERTIFICATE OF AUTHORIZATION NO. 8230	CITY OF TARPON SPRINGS PUBLIC SERVICES DEPARTMENT 324 E. PINE STREET TARPON SPRINGS, FL 34689 (727) 942-5610	TEMPORARY TRAFFIC CONTROL PLAN (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				39

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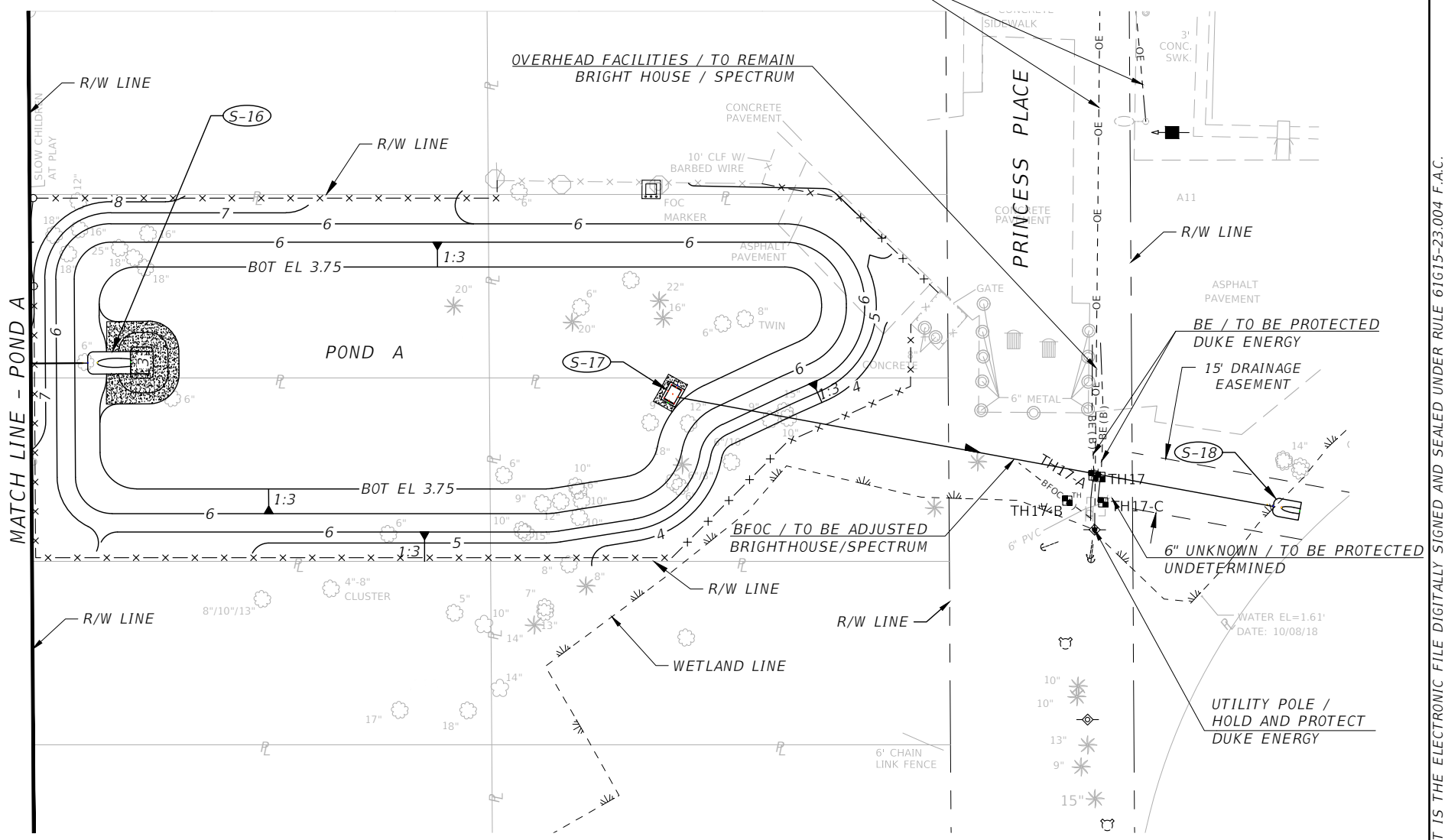


TEMPORARY TYPICAL SECTION
TARPON DRIVE - STA. 10+00 TO STA. 12+00

REVISIONS				CHARLES T. CURTIS, P.E. P.E. LICENSE NUMBER 82185 ICON CONSULTANT GROUP, INC. 10006 N. DALE MABRY HIGHWAY, SUITE 201 TAMPA, FLORIDA 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 (4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				40



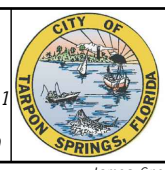
MATCH LINE - STA. 12+00.00
SEE UTILITY ADJUSTMENTS (2)



SUMMARY OF VERIFIED UTILITIES									
Vvh No.	UTILITY DESCRIPTION				UTILITY LOCATION			EXISTING GROUND ELEVATION	TOP ELEVATION
	OWNER	TYPE	SIZE	MATERIAL	STATION	OFFSET	LT/RT		
15	City of Tarpon Springs	Force Main	4"	PVC	10+71.92	12.83'	LT	8.32	6.92
15-A	Frontier	Fiber Optic Cable	1.5"	PE	10+74.35	17.78'	LT	8.62	4.97
16	City of Tarpon Springs	Water Main	6"	DIP	10+65.88	12.85'	RT	7.7	6.14
17	Duke Energy	Buried Electric	2-4"	PVC	10+31.48	312.74'	RT	3.07	1.48
17-A	Duke Energy	Buried Electric	2-4"	PVC	10+31.96	310.87'	RT	3.07	1.34
17-B	Unknown	Fiber Optic Cable	2"	PVC	10+25.33	303.51'	RT	2.44	-0.40
17-C	Unknown	Unknown	6"	PVC	10+24.51	313.25'	RT	2.88	1.67

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
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ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
TAMPA, FLORIDA 33618
CERTIFICATE OF AUTHORIZATION NO. 8230

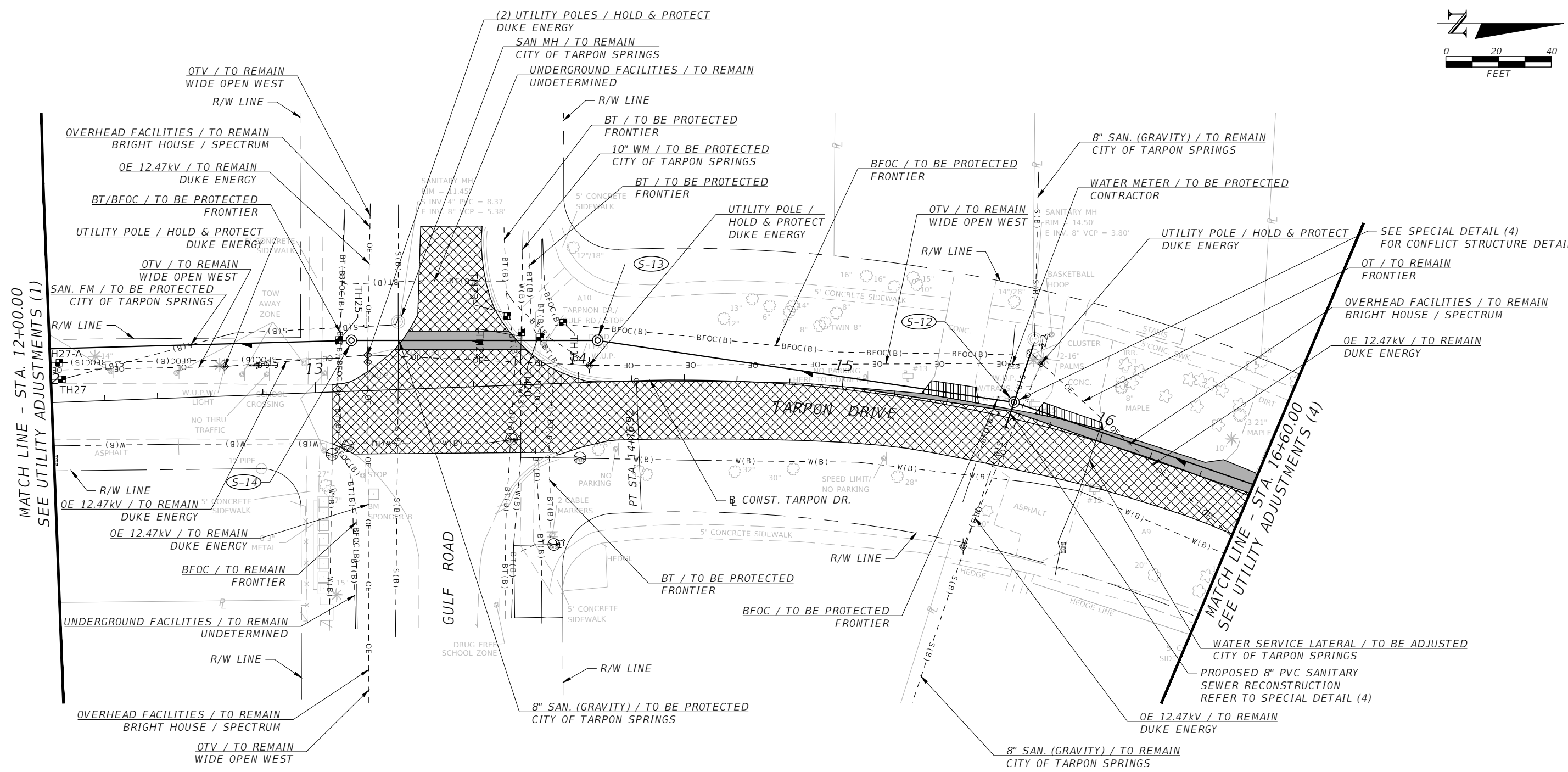
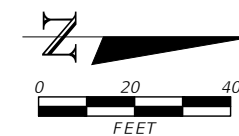


CITY OF TARPON SPRINGS
PUBLIC SERVICES DEPARTMENT
324 E. PINE STREET
TARPON SPRINGS, FL
34689
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UTILITY ADJUSTMENTS (1)

SHEET NO.
41

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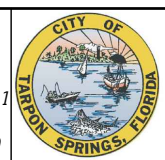
SUMMARY OF VERIFIED UTILITIES

Vvh No.	UTILITY DESCRIPTION				UTILITY LOCATION			EXISTING GROUND ELEVATION	TOP ELEVATION
	OWNER	TYPE	SIZE	MATERIAL	STATION	OFFSET	LT/RT		
19	Frontier	Fiber Optic Cable	1.5"	PE	13+94.87	23.01'	LT	12.66	10.30
20	Frontier	Fiber Optic Cable	2-1.5"	PE	13+86.04	17.80'	LT	12.35	10.24
20	Unknown	Buried Telephone	Multi 4"	PVC	13+86.04	17.80'	LT	12.35	10.24
22	City of Tarpon Springs	Water Main	10"	CIP	13+78.92	19.87'	LT	12.25	10.10
23	Unknown	Buried Telephone	1"	PVC	13+73.85	26.29'	LT	12.11	10.42
25	Frontier	Fiber Optic Cable	2-1.5"	PE	13+09.57	19.65'	LT	11.74	9.29
27	City of Tarpon Springs	Force Main	4"	PVC	12+04.10	8.66'	LT	11.17	9.65
27-A	Frontier	Fiber Optic Cable	1.5"	PE	12+03.26	14.98'	LT	11.39	9.21

REVISIONS

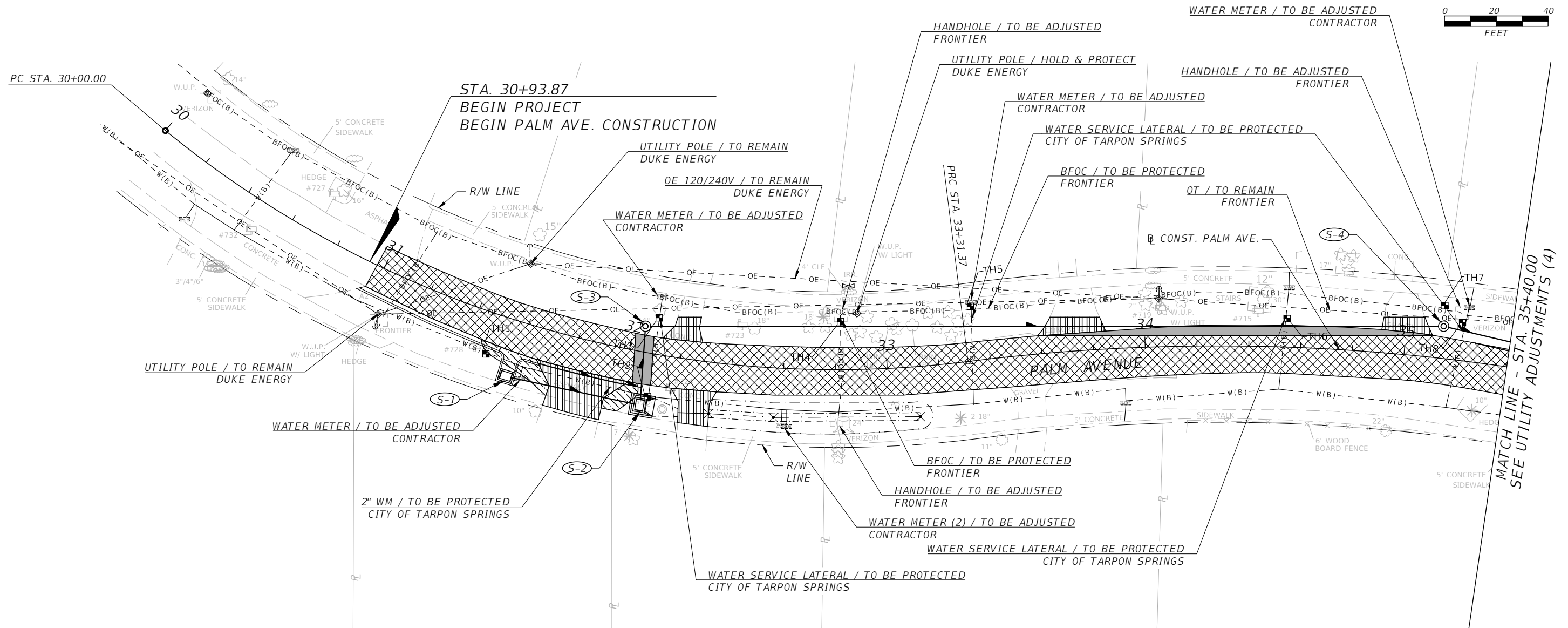
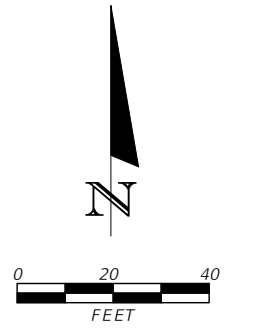
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
P.E. LICENSE NUMBER 82185
ICON CONSULTANT GROUP, INC.
10006 N. DALE MABRY HIGHWAY, SUITE 201
TAMPA, FLORIDA 33618
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SUMMARY OF VERIFIED UTILITIES									
Vvh No.	UTILITY DESCRIPTION				UTILITY LOCATION			EXISTING GROUND ELEVATION	TOP ELEVATION
	OWNER	TYPE	SIZE	MATERIAL	STATION	OFFSET	LT/RT		
1	City of Tarpon Springs	Water Main	2"	Steel	31+47.88	15.98'	RT	7.67	5.32
2	City of Tarpon Springs	Water Main	2"	Steel	32+10.01	16.69'	RT	7.85	5.95
3	City of Tarpon Springs	Water Service	1"	Steel	32+09.18	14.06'	LT	8.46	5.90
4	Frontier	Fiber Optic Cable	1.5"	PE	32+82.07	18.53'	LT	9.9	7.83
5	City of Tarpon Springs	Water Service	1"	Steel	33+34.80	20.93'	LT	10.86	8.09
6	City of Tarpon Springs	Water Service	1"	Steel	34+54.42	11.00'	LT	11.52	9.42
7	Frontier	Fiber Optic Cable	1.5"	PE	35+13.68	20.36'	LT	11.66	9.63
8	City of Tarpon Springs	Water Service	1"	PE	35+21.01	14.60'	LT	11.51	10.28

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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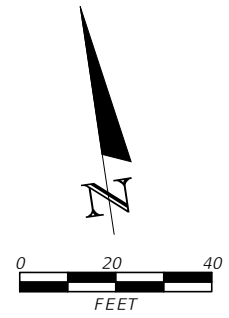
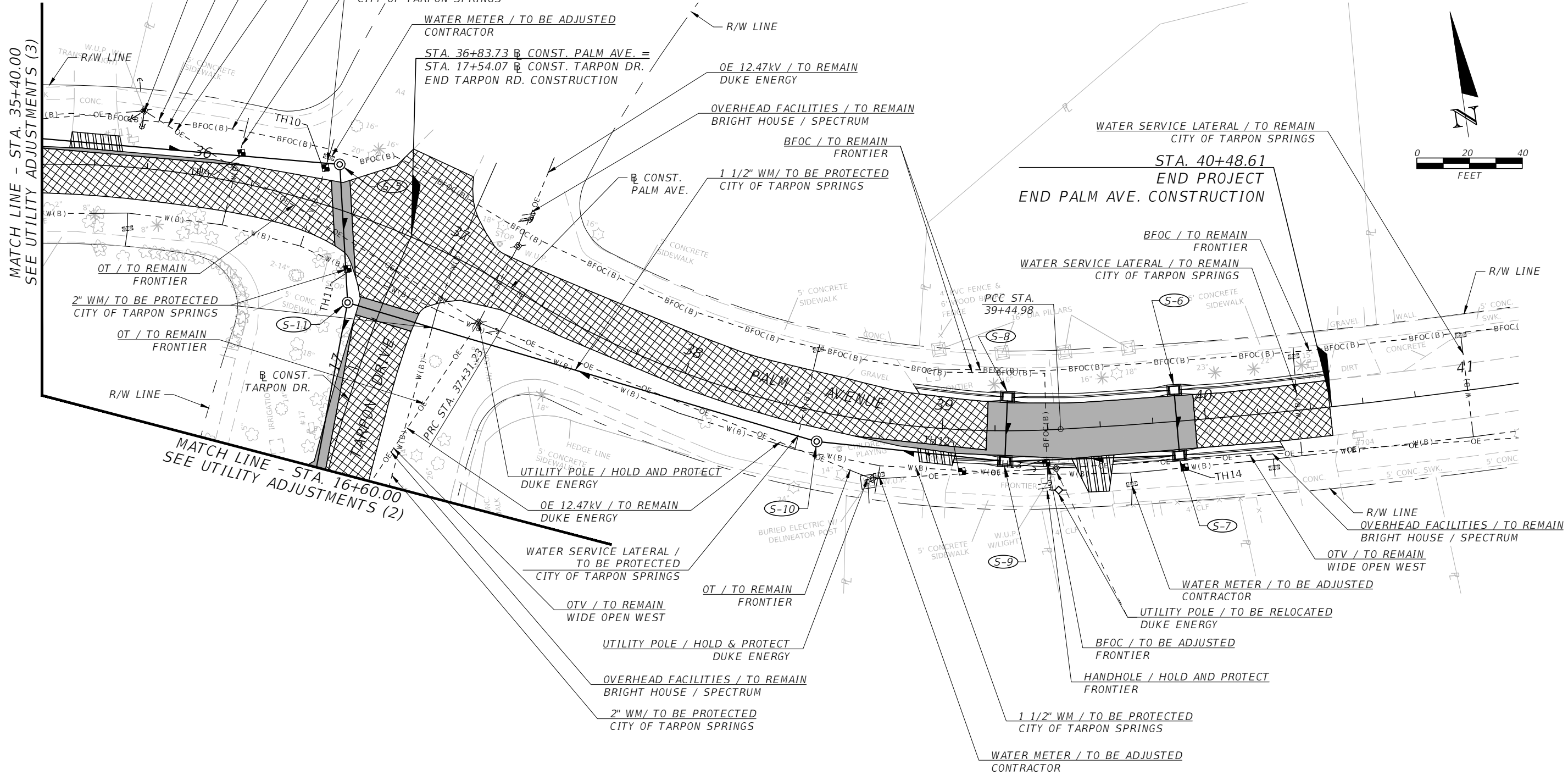
UTILITY ADJUSTMENTS (3)

SHEET NO.
43

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SUMMARY OF VERIFIED UTILITIES

Vvh No.	UTILITY DESCRIPTION				UTILITY LOCATION			EXISTING GROUND ELEVATION	TOP ELEVATION
	OWNER	TYPE	SIZE	MATERIAL	STATION	OFFSET	LT/RT		
9	City of Tarpon Springs	Water Service	1"	Steel	36+13.94	11.24'	LT	12.37	10.18
10	City of Tarpon Springs	Water Service	1"	PE	36+45.07	13.46'	LT	13.17	11.30
11	City of Tarpon Springs	Water Main	2"	Steel	36+65.30	20.20'	RT	13.87	11.98
12	City of Tarpon Springs	Water Main	2"	Steel	39+08.29	15.73'	RT	12.11	10.51
13	Frontier	Fiber Optic Cable	1.5"	PE	39+38.98	12.40'	RT	12.06	8.67
14	City of Tarpon Springs	Water Main	2"	Steel	39+90.77	17.64'	RT	12.26	10.04



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
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TAMPA, FLORIDA 33618
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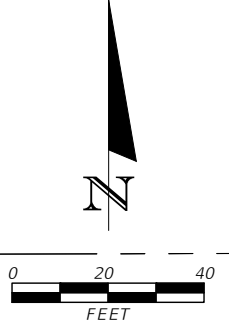
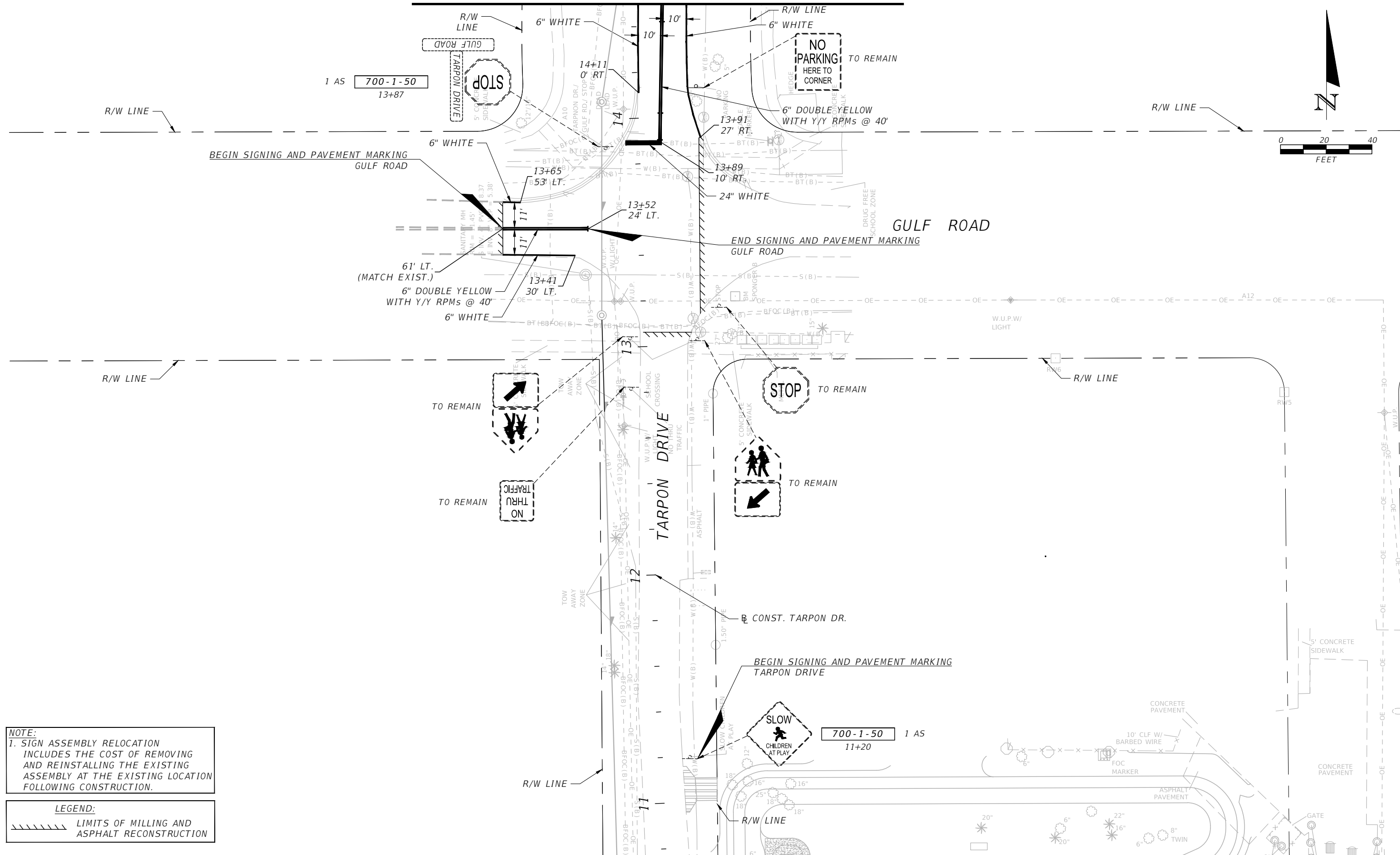

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PUBLIC SERVICES DEPARTMENT
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UTILITY ADJUSTMENTS (4)

SHEET NO.
44

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MATCH LINE - STA. 14+50.00

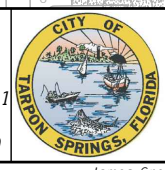


NOTE:
 1. SIGN ASSEMBLY RELOCATION INCLUDES THE COST OF REMOVING AND REINSTALLING THE EXISTING ASSEMBLY AT THE EXISTING LOCATION FOLLOWING CONSTRUCTION.

LEGEND:
 LIMITS OF MILLING AND ASPHALT RECONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
 P.E. LICENSE NUMBER 82185
 ICON CONSULTANT GROUP, INC.
 10006 N. DALE MABRY HIGHWAY, SUITE 201
 TAMPA, FLORIDA 33618
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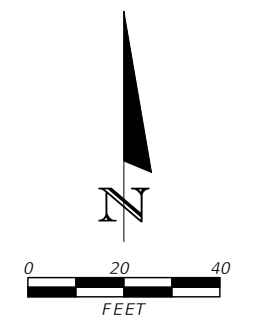
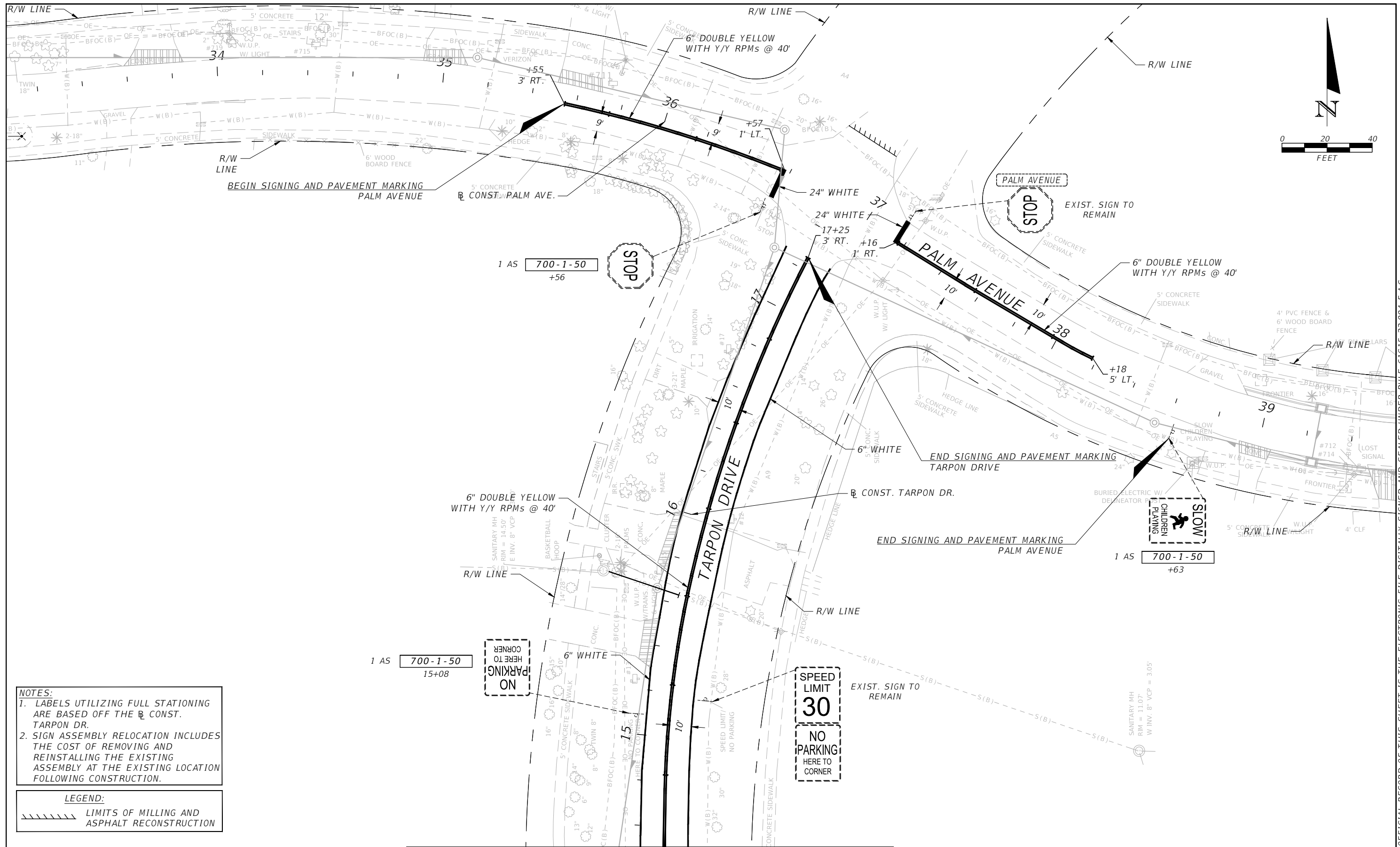


CITY OF TARPON SPRINGS
 PUBLIC SERVICES DEPARTMENT
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SIGNING AND PAVEMENT MARKING PLAN (1)

SHEET NO.
 45

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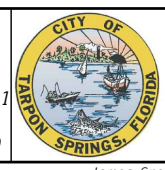
NOTES:
 1. LABELS UTILIZING FULL STATIONING ARE BASED OFF THE R CONST. TARPON DR.
 2. SIGN ASSEMBLY RELOCATION INCLUDES THE COST OF REMOVING AND REINSTALLING THE EXISTING ASSEMBLY AT THE EXISTING LOCATION FOLLOWING CONSTRUCTION.

LEGEND:
 [Hatched Line Symbol] LIMITS OF MILLING AND ASPHALT RECONSTRUCTION

MATCH LINE - STA. 14+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHARLES T. CURTIS, P.E.
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 ICON CONSULTANT GROUP, INC.
 10006 N. DALE MABRY HIGHWAY, SUITE 201
 TAMPA, FLORIDA 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.
 46

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