

CONTRACT PLAN COMPONENTS

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- LIGHTING PLANS
- LANDSCAPE PLANS
- UTILITY RELOCATION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

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1	KEY SHEET	
2	SIGNATURE SHEET	
3 thru 8	SUMMARY OF PAY ITEMS	NOT INCLUDED
9 thru 12	DRAINAGE MAP	NOT INCLUDED
13 thru 17	TYPICAL SECTION	
18	TYPICAL SECTION DETAILS	NOT INCLUDED
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23	GENERAL NOTES	
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26 thru 39	PLAN & PROFILE	
40	INTERSECTION DETAIL	NOT INCLUDED
41 thru 50	BACK-OF-SIDEWALK PROFILE	NOT INCLUDED
51 thru 55	SIDESTREET PROFILES	NOT INCLUDED
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63 thru 64	POND DETAIL	NOT INCLUDED
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68 thru 137	CROSS SECTIONS	
138 thru 141	STORMWATER POLLUTION PREVENTION PLAN	NOT INCLUDED
142 thru 152	TRAFFIC CONTROL PLAN	
153 thru 154	PERIMETER WALL CONTROL PLAN	NOT INCLUDED
50-1 thru 50-42	SUMMARY OF QUANTITIES	NOT INCLUDED
*CTL-1 thru CTL-5	PROJECT NETWORK CONTROL	NOT INCLUDED
*GR-1	ROADWAY SOIL SURVEY	NOT INCLUDED
*UTV-1 thru UTV-4	VERIFIED UTILITY LOCATES	NOT INCLUDED

* This sheet is included in the Index of Roadway Plans only to indicate that it is part of the Roadway Plans. This sheet is contained in a separate digitally signed and sealed document.

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
STANDARD PLANS DATED FY 2019-20,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED JANUARY 2020,
AS AMENDED BY CONTRACT DOCUMENTS.

For Design Standards Modifications click on "Design Standards" at the following web site: <http://www.fdot.gov/design/standardplans>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site: <http://www.fdot.gov/programmanagement/implemented/SpecBooks>

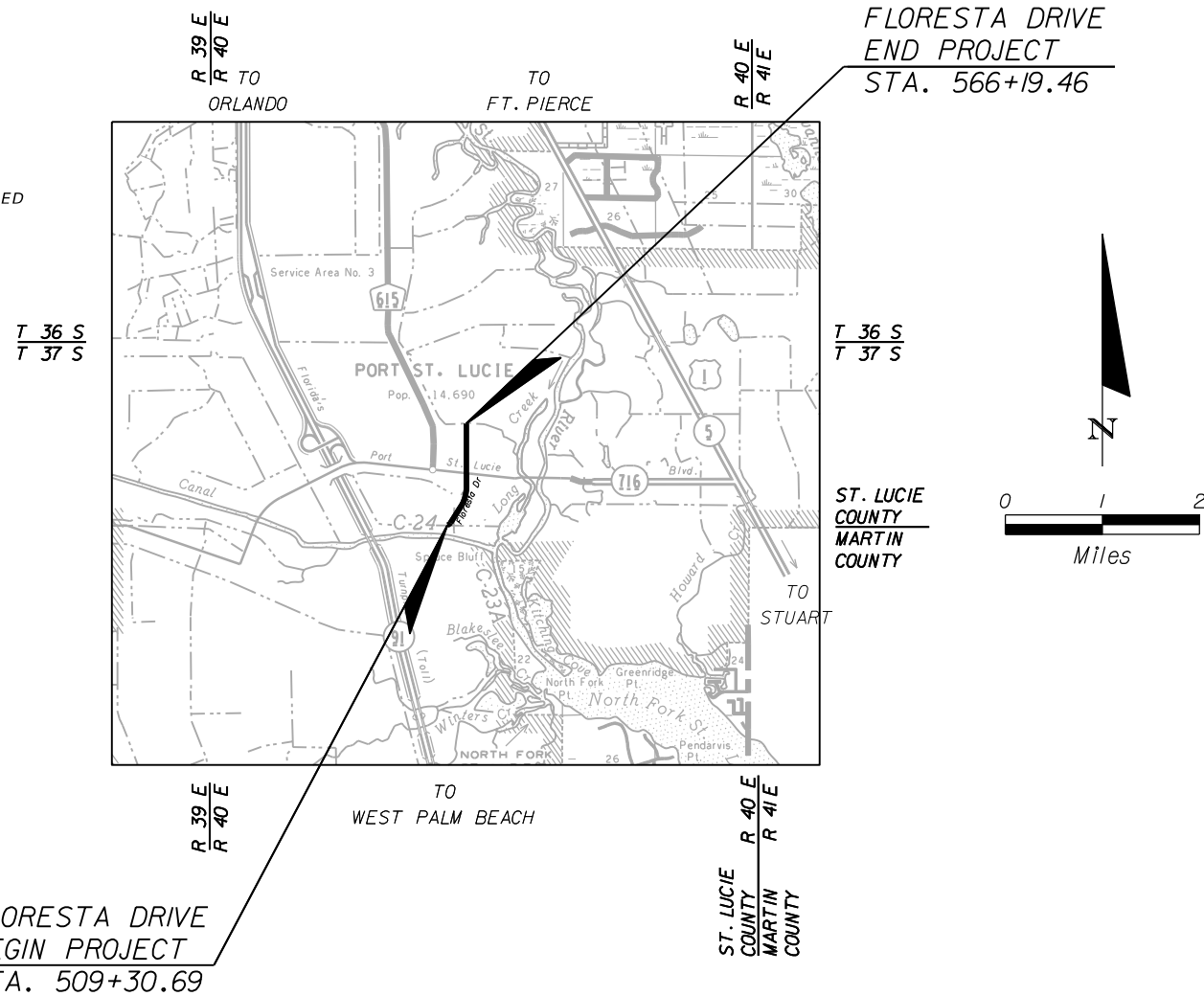
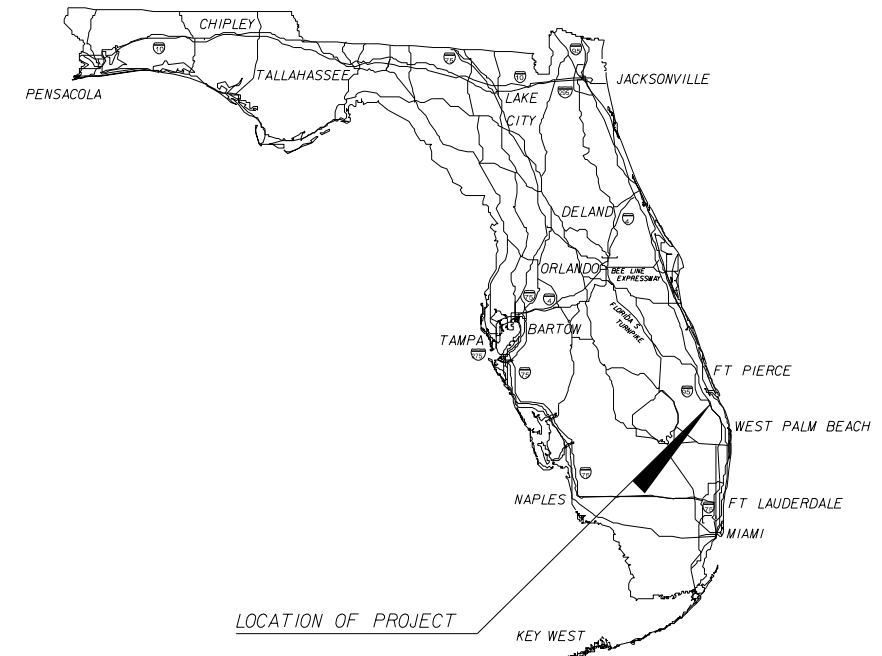
PLANS PREPARED BY:



American
Consulting Engineers of Florida, LLC
2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Phone: (561) 253-9550 Fax: (561) 253-9551
Certificate of Authorization No. 9302

CITY OF PORT ST. LUCIE, FLORIDA
PUBLIC WORKS DEPARTMENT
CONSTRUCTION PLANS
FOR
FLORESTA DRIVE

FROM SOUTHBEND BOULEVARD TO ELKCAM WATERWAY
CITY PROJECT # 20060011



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
CHRISTOPHER N. O'REILLY, P.E. 44084
2041 VISTA PARKWAY, SUITE 101
WEST PALM BEACH, FLORIDA 33411
PHONE: (561) 253-9550
FAX: (561) 253-9551

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

ROADWAY PLANS
ENGINEER OF RECORD: CHRISTOPHER N. O'REILLY, P.E.

P.E. NO. 44084

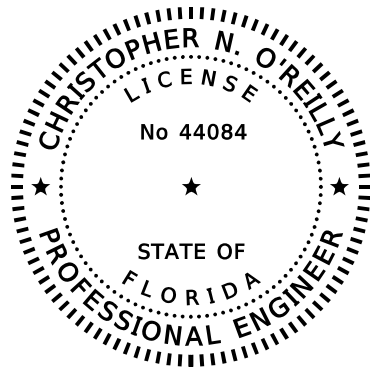
FLORESTA DRIVE
BEGIN PROJECT
STA. 509+30.69

LENGTH OF PROJECT = 5688.77 LF (1.077 MI)

CITY OF PORT ST. LUCIE PROJECT MANAGER: FRANK KNOTT

FISCAL YEAR	SHEET NO.
20	1

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THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

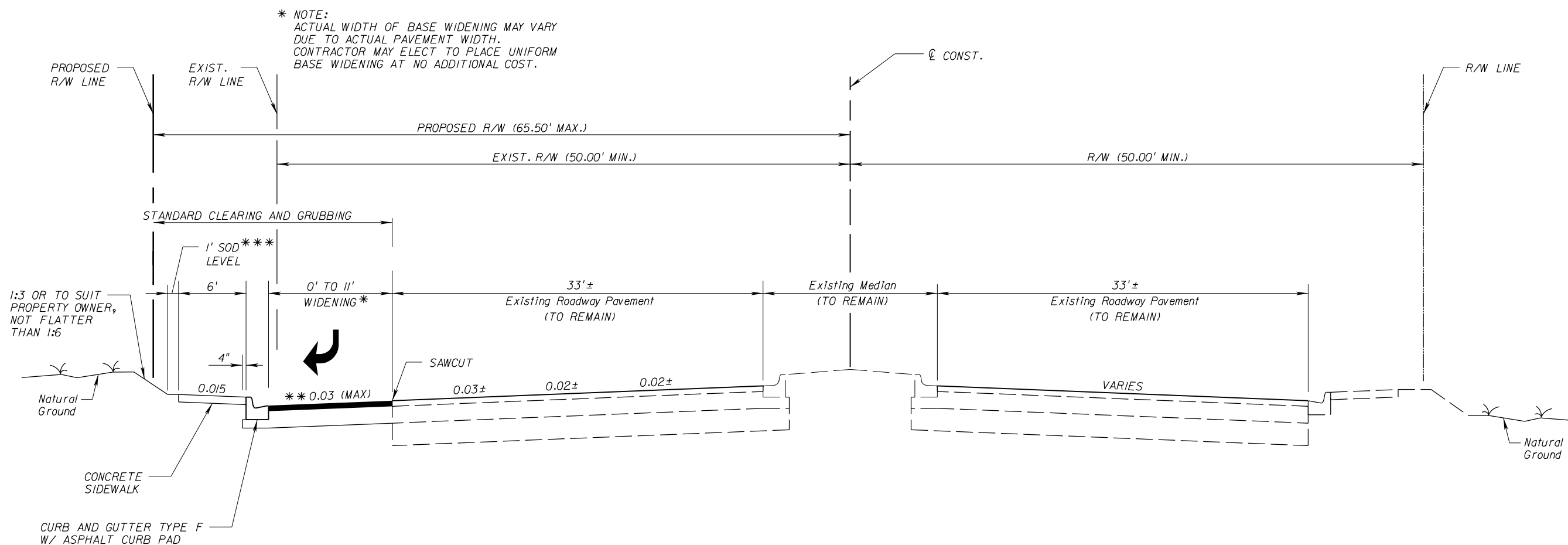
AMERICAN
CONSULTING ENGINEERS OF FLORIDA, LLC
2041 Vista Parkway, Suite 101
West Palm Beach, FL 33411
Phone: (561) 253-9550 Fax: (561) 253-9551
Certificate of Authorization No. 9302
Christopher N. O'Reilly, P.E. No. 44084

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

ROADWAY PLANS

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
3 thru 8	SUMMARY OF PAY ITEMS — NOT INCLUDED
13 thru 17	TYPICAL SECTION
18	TYPICAL SECTION DETAILS — NOT INCLUDED
23	GENERAL NOTES
24 thru 25	PROJECT LAYOUT — NOT INCLUDED
26 thru 39	PLAN & PROFILE
40	INTERSECTION DETAIL — NOT INCLUDED
41 thru 50	BACK-OF-SIDEWALK PROFILE — NOT INCLUDED
51 thru 55	SIDESTREET PROFILES — NOT INCLUDED
68 thru 137	CROSS SECTIONS
142 thru 152	TRAFFIC CONTROL PLAN
50-1 thru 50-41	SUMMARY OF QUANTITIES — NOT INCLUDED

REVISIONS						 American Consulting Engineers of Florida, LLC 2041 Vista Parkway., Suite 101 West Palm Beach, Florida 33411 Phone: (561) 253-9550 Fax: (561) 253-9551 Certificate of Authorization No. 9302 Christopher N. O'Reilly, P.E. No. 44084	 CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD. PORT ST. LUCIE, FL 34984		SIGNATURE SHEET	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD	COUNTY		2
						FLORESTA DRIVE	ST. LUCIE			



* NOTE:
ACTUAL WIDTH OF BASE WIDENING MAY VARY
DUE TO ACTUAL PAVEMENT WIDTH.
CONTRACTOR MAY ELECT TO PLACE UNIFORM
BASE WIDENING AT NO ADDITIONAL COST.

** MATCH EXISTING CROSS SLOPE

*** CONTRACTOR TO MATCH EXISTING SOD
TYPE AT ADJACENT PARCELS

TYPICAL SECTION
SR 716 (PORT ST. LUCIE BOULEVARD)
(RIGHT TURN AUXILIARY LANE)
STA. 25+50.00 (RT) TO STA. 29+40.05 (RT)
STA. 31+50.94 (LT) TO STA. 33+01.04 (LT)

DESIGN SPEED = 45 MPH

WIDENING

OPTIONAL BASE GROUP 15 (TYPE B-12.5)(9") (ONLY) WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(2 1/2") (PG76-22)
AND FRICTION COURSE FC-12.5 (TRAFFIC C)(1 1/2") (PG76-22)

SR 716 (PORT ST. LUCIE BOULEVARD)

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					17

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1. BENCHMARK DATUM USED FOR THESE PLANS IS NAVD 88. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ELEVATIONS AND DIMENSIONS ARE IN FEET REFERENCED TO NAVD 88.
2. TRAFFIC MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", AND THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD PLANS" DATED FY 2019-2020. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES.
3. ALL DIMENSIONS, ELEVATIONS, AND RADII ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. GRADES SHOWN ARE FINISHED GRADES.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLAN DIMENSIONS AND SITE CONDITIONS, AND IS TO NOTIFY THE CITY OF PORT ST. LUCIE AND/OR THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE SITE CONDITIONS AND INFORMATION SHOWN ON THE PLANS PRIOR TO COMMENCING WORK.
6. DEWATERING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SFWMD REQUIREMENTS AND BEST MANAGEMENT PRACTICES TO MINIMIZE IMPACTS TO ADJACENT WETLANDS OR A RECEIVING BODY OF WATER.
PROJECT DESIGN CONTACTS:
1. AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC. - CHRIS O'REILLY 561-253-9550
2. CITY OF PORT ST. LUCIE ENGINEERING - FRANK KNOTT 772-344-4290.
7. ALL PIPELINE TRENCHES SHALL BE BACKFILLED DURING ALL PERIODS WHEN CONSTRUCTION IS NOT IN PROGRESS.
8. PRIOR TO CONSTRUCTION, CEI WILL NOTIFY ADJACENT PROPERTY OWNERS OF THE IMPENDING CONSTRUCTION SO THAT SHRUBS, ETC. MAY BE MOVED OUT OF THE RIGHT-OF-WAY. THE CONTRACTOR SHALL PROVIDE THE OWNER A SCHEDULE OF WHEN CLEARING AND GRUBBING WILL BEGIN FOR INCLUSION IN THE NOTIFICATION OF PROPERTY OWNERS. THE CONTRACTOR SHALL STAKE OUT RIGHT-OF-WAY LINE AND PROVIDE LIST OF ENCROACHMENTS AT LEAST 30 DAYS IN ADVANCE OF THE WORK IN THAT AREA.
9. THE CONTRACTOR WILL GIVE PROPERTY OWNERS AT LEAST 28 CALENDAR DAYS WRITTEN NOTICE FOR WORK TO BE DONE TO MODIFY ANY EXISTING IRRIGATION SYSTEMS LOCATED WITHIN RIGHT-OF-WAY. CONTRACTOR SHALL CAP OFF EXISTING SYSTEM AT THE RIGHT-OF-WAY LINE AT THE CONTRACTOR'S EXPENSE IF PROPERTY OWNER DOES NOT MODIFY THE SYSTEM PRIOR TO CONSTRUCTION. NO WORK WILL BE DONE ON PRIVATE PROPERTY.
10. THE CONTRACTOR SHALL PROVIDE CONTINUOUS TRAFFIC ACCESS TO ADJOINING PROPERTY ALONG THE ENTIRE LENGTH OF THE PROJECT.
11. IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL TEMPORARY EROSION CONTROL, TEMPORARY DRAINAGE, AND INCIDENTAL CONSTRUCTION NECESSARY TO PREVENT EROSION. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL / SEDIMENTATION BARRIERS (SYNTHETIC BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, THE CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE. IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE AND INTO EXISTING STORM DRAINAGE FACILITIES EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO PROVIDE EROSION CONTROL AND RESTORE THE AREA TO THE SATISFACTION OF THE ENGINEER AND/OR LOCAL AUTHORITIES. SEE TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS, AND TURBIDITY BARRIERS F.D.O.T. STANDARD PLANS.
12. SIDEWALK SHALL BE 4 INCHES THICK UNLESS OTHERWISE NOTED IN THE PLANS. SIDEWALKS WITHIN DRIVEWAY AREAS SHALL BE 6 INCHES THICK.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO SATISFY ALL PERMIT REQUIREMENTS IN REGARDS TO CONSTRUCTION ACTIVITIES AND RELATED CONDITIONS. PERMIT COPIES WILL BE SUPPLIED TO THE CONTRACTOR BY THE CITY.
14. ALL GRASS AREAS DISTURBED AS A RESULT OF CONTRACTOR'S ACTIVITIES SHALL RECEIVE SOD AND SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER.
15. THE CONTRACTOR SHALL MAINTAIN THE RIGHT-OF-WAY DURING CONSTRUCTION IN A SATISFACTORY MANNER TO PREVENT THE DEPOSITION OF SAND, ETC. BY WATER OR WIND EROSION ONTO ADJACENT PROPERTIES. EROSION CONTROL MEASURES CALLED IN THE PLANS SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER SOLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL FLOW OR AS DIRECTED BY THE ENGINEER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
16. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING, LOCATING, AND PROTECTING ALL CITY OWNED UTILITY FACILITIES LOCATED WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
17. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
18. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHOULD NOTIFY THE CITY SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
19. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THE PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
20. REFER TO THE UTILITY RELOCATION PLANS FOR DISPOSITION OF EXISTING CITY OF PORT ST. LUCIE UTILITIES. CONTRACTOR TO COORDINATE WITH ALL OTHER UTILITY OWNERS FOR DISPOSITION AND RELOCATION.

21. UTILITY OWNERS:

RICK JOHNSON COMCAST (561)402-4513 CABLE	ROB MORRIS FP&L-DISTRIBUTION (772) 223-4215 ELECTRIC	LUKE FOLKERTS AT&T DISTRIBUTION (407) 496-6041 TELEPHONE	TRICIA D'ANNUNZIO FP&L-TRANSMISSION (561) 904-3560 ELECTRIC
RON MULLER CITY GAS COMPANY OF FLORIDA (321) 638-3424 (321) 638-2521 FAX GAS	PAUL JOHNSON CITY OF PORT ST LUCIE (772) 871-5182 TRAFFIC OPERATIONS	LANEY SOUTHERLY CITY OF PORT ST LUCIE UTILITIES (772) 873-6400 WATER & SEWER	

22. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED UU & TH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
23. THE CONTRACTOR SHALL GIVE THE POSTMASTER OF THE DELIVERY ROUTE(S) WRITTEN NOTICE OF PROJECT CONSTRUCTION 7 DAYS PRIOR TO THE BEGINNING OF WORK.
24. THE CONTRACTOR SHALL COORDINATE REMOVAL AND RELOCATION OF THE PATRONS EXISTING MAILBOXES. PATRONS SHALL HAVE THE OPTION OF REMOVING AND RELOCATING THEIR EXISTING MAILBOXES OR LEAVING THE MAILBOXES IN PLACE FOR REMOVAL AND RELOCATION BY THE CONTRACTOR. IMMEDIATELY AFTER INSTALLING THE RELOCATED MAILBOXES THE CONTRACTOR MUST NOTIFY EACH "MAIL DELIVERY PATRON" BY CERTIFIED MAIL THAT REMOVAL OF THE EXISTING MAILBOXES MUST BE ACCOMPLISHED IN 21 DAYS AFTER RECEIPT OF NOTICES.
25. MAILBOXES ON CURBED HIGHWAYS, ROADS AND STREETS SHALL BE SET WITH THE FACE OF THE BOX BETWEEN 6" AND 12" BEHIND THE FACE OF CURB. IF THE SIDEWALK ABUTS THE CURB OR IF AN UNUSUAL CONDITION EXISTS WHICH MAKES IT DIFFICULT OR IMPRACTICAL TO INSTALL OR SERVE BOXES AT THE CURB, THE CONTRACTOR, WITH CONCURRENCE OF THE LOCAL POSTAL AUTHORITY, MAY BE PERMITTED TO INSTALL ALL MAILBOXES AT THE BACK EDGE OF THE SIDEWALK, WHERE THEY CAN BE SERVED BY THE CARRIER FROM THE SIDEWALK.
26. THE CONTRACTOR MUST POT HOLE ALL POTENTIAL CONFLICTS AND PROVIDE LOCATION AND ELEVATION DATA AT LEAST 30 DAYS IN ADVANCE OF PROPOSED UNDERGROUND INSTALLATION WORK.

GENERAL CONSTRUCTION SPECIFICATION NOTES:

1. INCIDENTAL ITEMS:

- A) ALL STREET SIGNS SHALL BE PRESERVED OR RELOCATED TO THE SAME OR SUITABLE LOCATION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO MAILBOXES AT ALL TIMES TO ENSURE U.S. POSTAL SERVICE DELIVERY. COST SHALL BE INCIDENTAL TO THE PAY ITEM FOR MAINTENANCE OF TRAFFIC.
- B) EXISTING DRIVEWAYS WHICH ARE DISTURBED BY CONSTRUCTION (INCLUDING PLACEMENT OF PIPE CULVERTS) SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
- C) THE CONTRACTOR SHALL KEEP THE ENGINEER INFORMED OF ALL ACTIVITIES AND SHALL NOTIFY THE ENGINEER A MINIMUM OF THREE WORKING DAYS IN ADVANCE OF THE BEGINNING OF ALL CONSTRUCTION PHASES INCLUDING, BUT NOT LIMITED TO, CLEARING-AND-GRUBBING, EARTHWORK, STORM-DRAINAGE, SUBGRADE PREPARATION, BASE CONSTRUCTION, AND GRASSING.

2. CLEARING AND GRUBBING:

- A) ALL MATERIALS, DEBRIS, UNSUITABLE EARTH, ETC. OF NON-SALVAGEABLE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR.
- B) NO DEBRIS OR OTHER UNSUITABLE MATERIALS SHALL BE BURIED ON-SITE.
- C) NO BURNING WITHIN THE PROJECT RIGHT-OF-WAY SHALL BE PERMITTED.

3. EARTHWORK CONSTRUCTION:



- A) ALL EARTHWORK CONSTRUCTION SHALL BE PAID FOR BY PLAN QUANTITIES.
- B) ALL EXCESS FILL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE.

4. REMOVAL OF EXISTING PAVING:

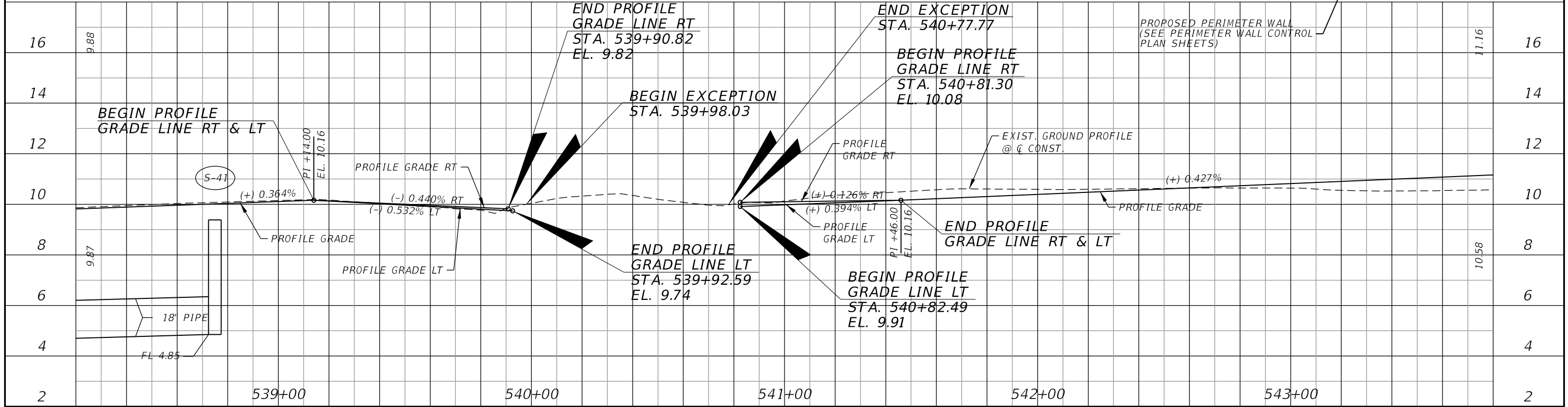
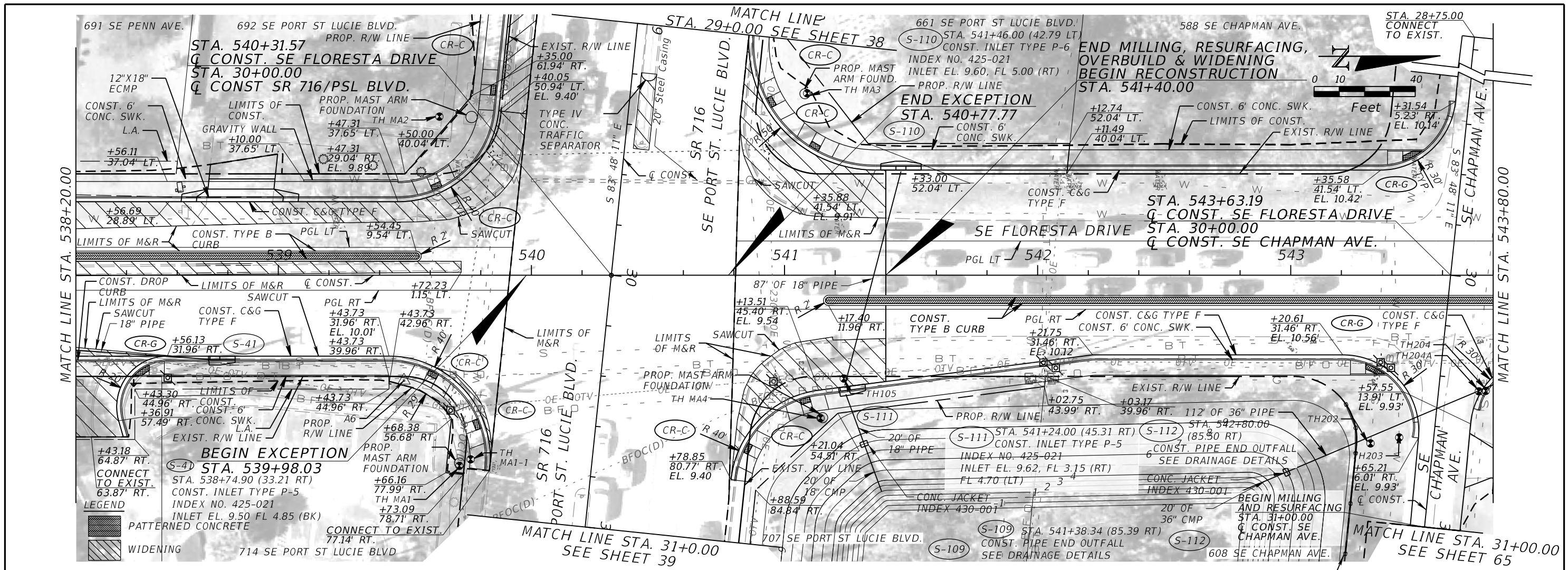
- A) ALL ASPHALT AND CONCRETE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR.

5. GENERAL DRAINAGE NOTES:

- A) STRUCTURE NUMBERING IS NON-CONSECUTIVE.
- B) INLET ELEVATION FOR TYPE 5 & 6 INLETS REFER TO EDGE OF PAVEMENT.
- C) MANHOLE FRAMES AND COVERS SHALL COMPLY WITH FDOT STANDARD PLANS 425-001 AND SPECIFICATIONS BUT SHALL NOT HAVE THE STATE LOGO OR FDOT LETTERING. MANHOLE TOPS SHALL HAVE 2" RAISED OR DEPRESSED LETTERING INDICATING "STORM SEWER".

REVISIONS						 American Consulting Engineers of Florida, LLC 2041 Vista Parkway., Suite 101 West Palm Beach, Florida 33411 Phone: (561) 253-9550 Fax: (561) 253-9551 Certificate of Authorization No. 9302 Christopher N. O'Reilly, P.E. No. 44084	 CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD. PORT ST. LUCIE, FL 34984		GENERAL NOTES	SHEET NO. 23
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD	COUNTY		
						FLORESTA DRIVE	ST. LUCIE			

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 2041 Vista Parkway, Suite 101
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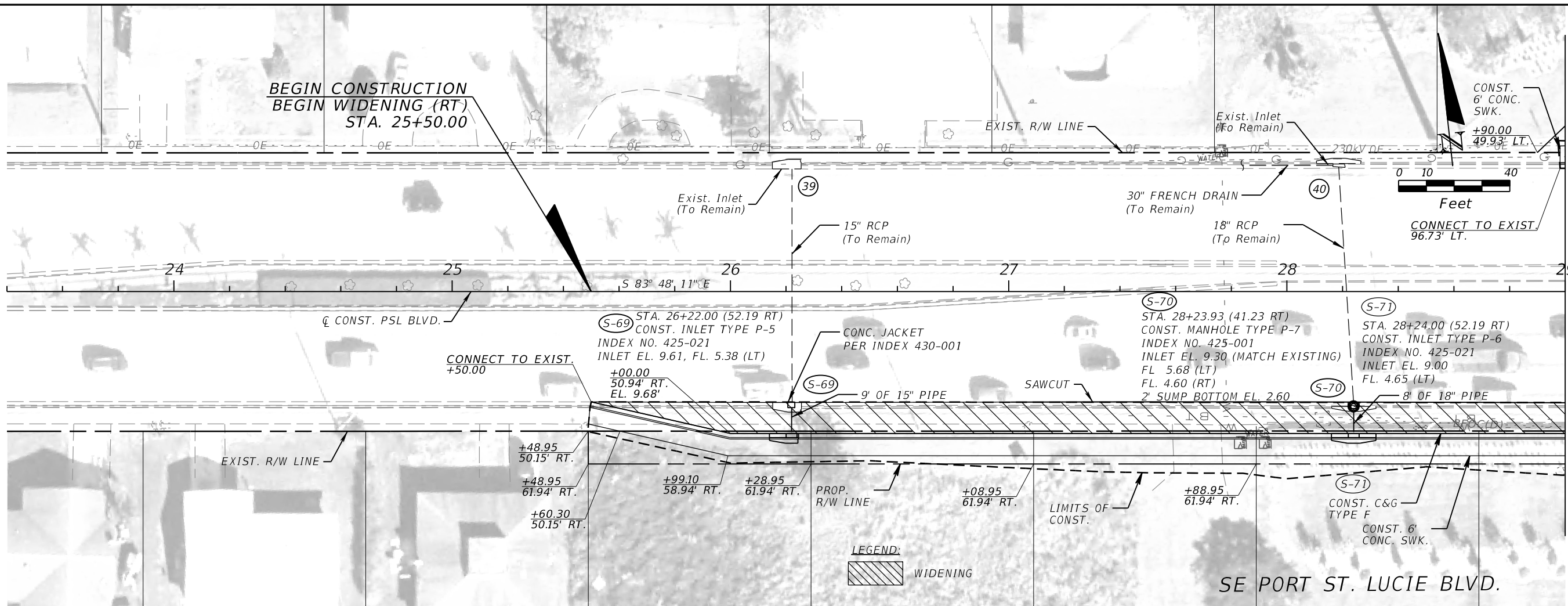
CITY OF PORT ST. LUCIE
 121 S.W. PORT ST. LUCIE BLVD.
 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

PLAN & PROFILE

SHEET NO. 32

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 2041 Vista Parkway, Suite 101
 West Palm Beach, Florida 33411
 Phone: (561) 253-9550 Fax: (561) 253-9551
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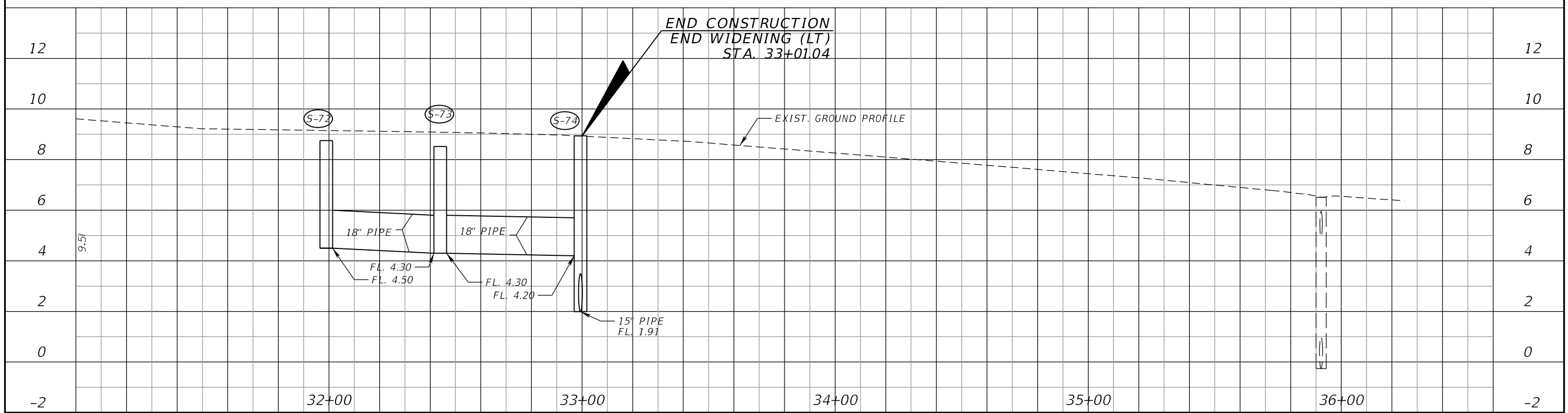
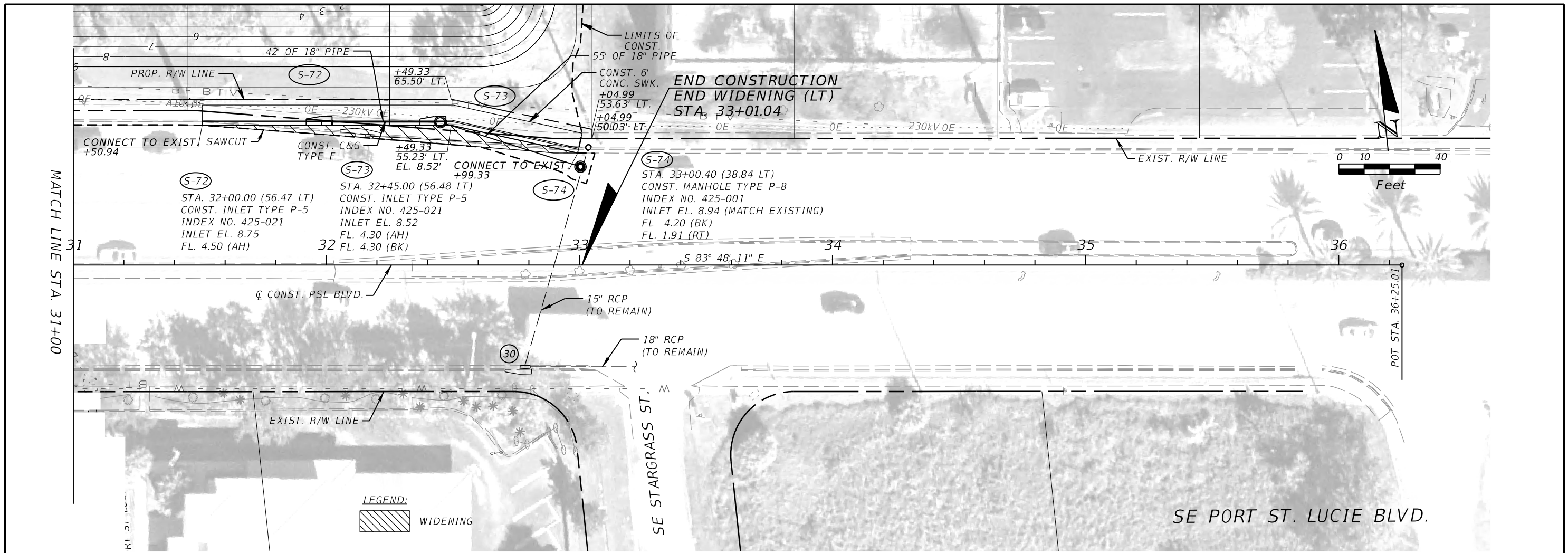
CITY OF PORT ST. LUCIE
 121 S.W. PORT ST. LUCIE BLVD.
 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

PLAN & PROFILE

SHEET NO.
38

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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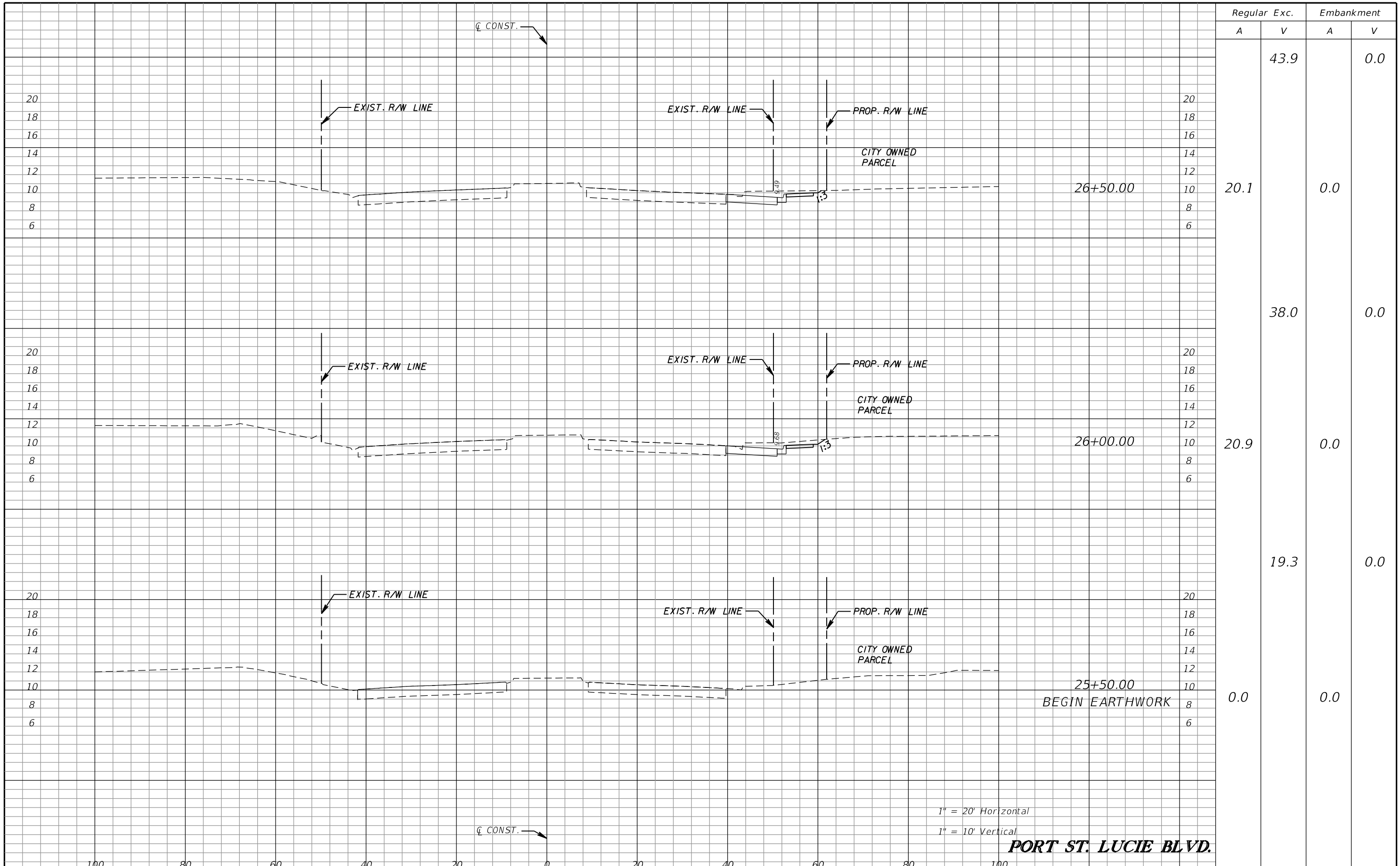
CITY OF PORT ST. LUCIE
 121 S.W. PORT ST. LUCIE BLVD.
 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

PLAN & PROFILE

SHEET NO. 39

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			43.9		0.0
20.1		0.0			
	38.0				0.0
20.9		0.0			
	19.3				0.0
0.0		0.0			

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 2041 Vista Parkway, Suite 101
 West Palm Beach, Florida 33411
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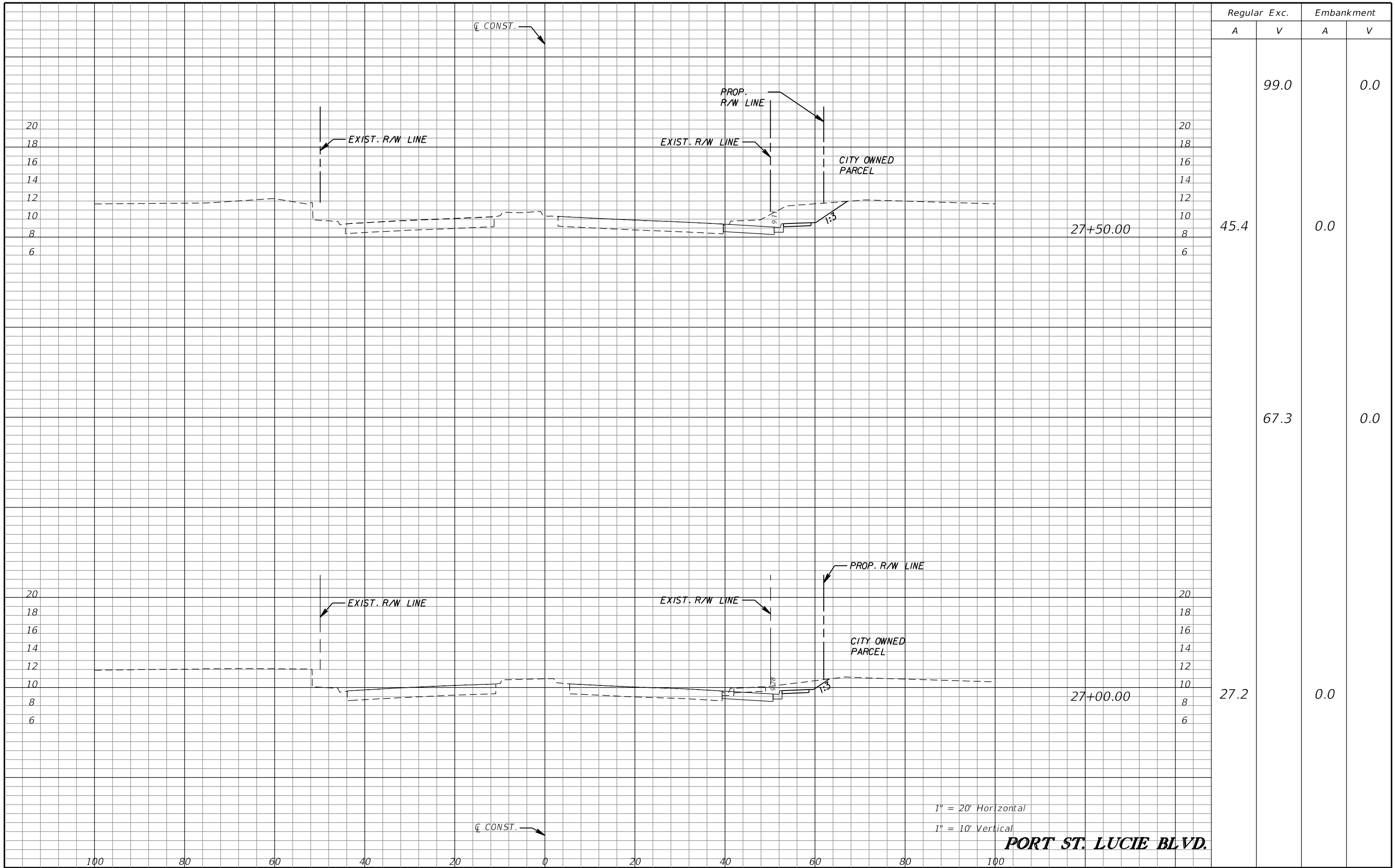
CITY OF PORT ST. LUCIE
 121 S.W. PORT ST. LUCIE BLVD.
 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

CROSS SECTIONS

SHEET NO. 133

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			99.0	0.0	0.0
45.4				0.0	
			67.3		0.0
27.2				0.0	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 Consulting Engineers of Florida, LLC
 2041 Vista Parkway, Suite 101
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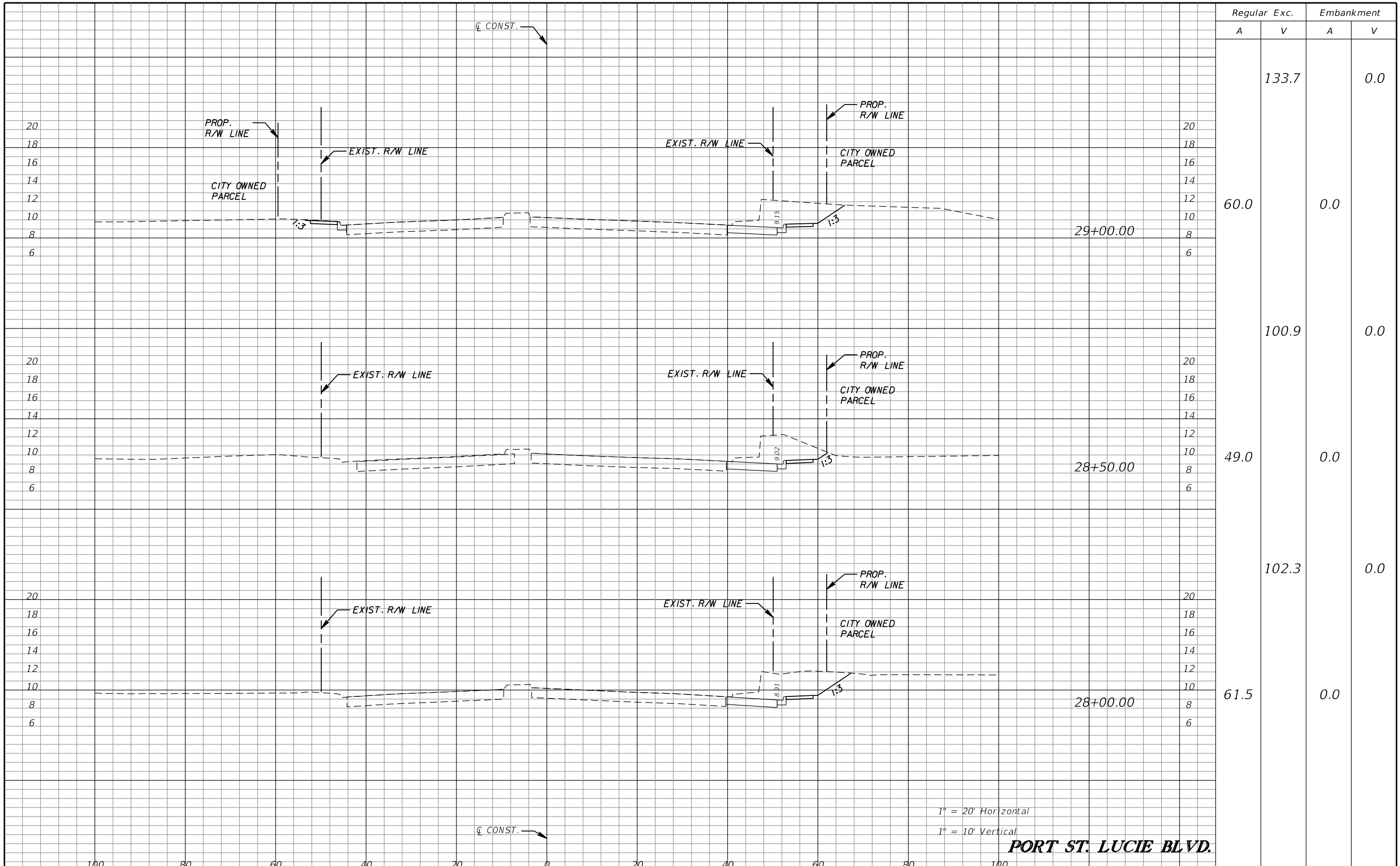
CITY OF PORT ST. LUCIE
 121 S.W. PORT ST. LUCIE BLVD.
 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

CROSS SECTIONS

SHEET NO. 134

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Regular		Exc.		Embankment	
A	V	A	V	A	V
	133.7		0.0		
60.0		0.0			
	100.9		0.0		
49.0		0.0			
	102.3		0.0		
61.5		0.0			

1" = 20' Horizontal
1" = 10' Vertical

PORT ST. LUCIE BLVD.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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West Palm Beach, Florida 33411
Phone: (561) 253-9550 Fax: (561) 253-9551
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Christopher N. O'Reilly, P.E. No. 44084

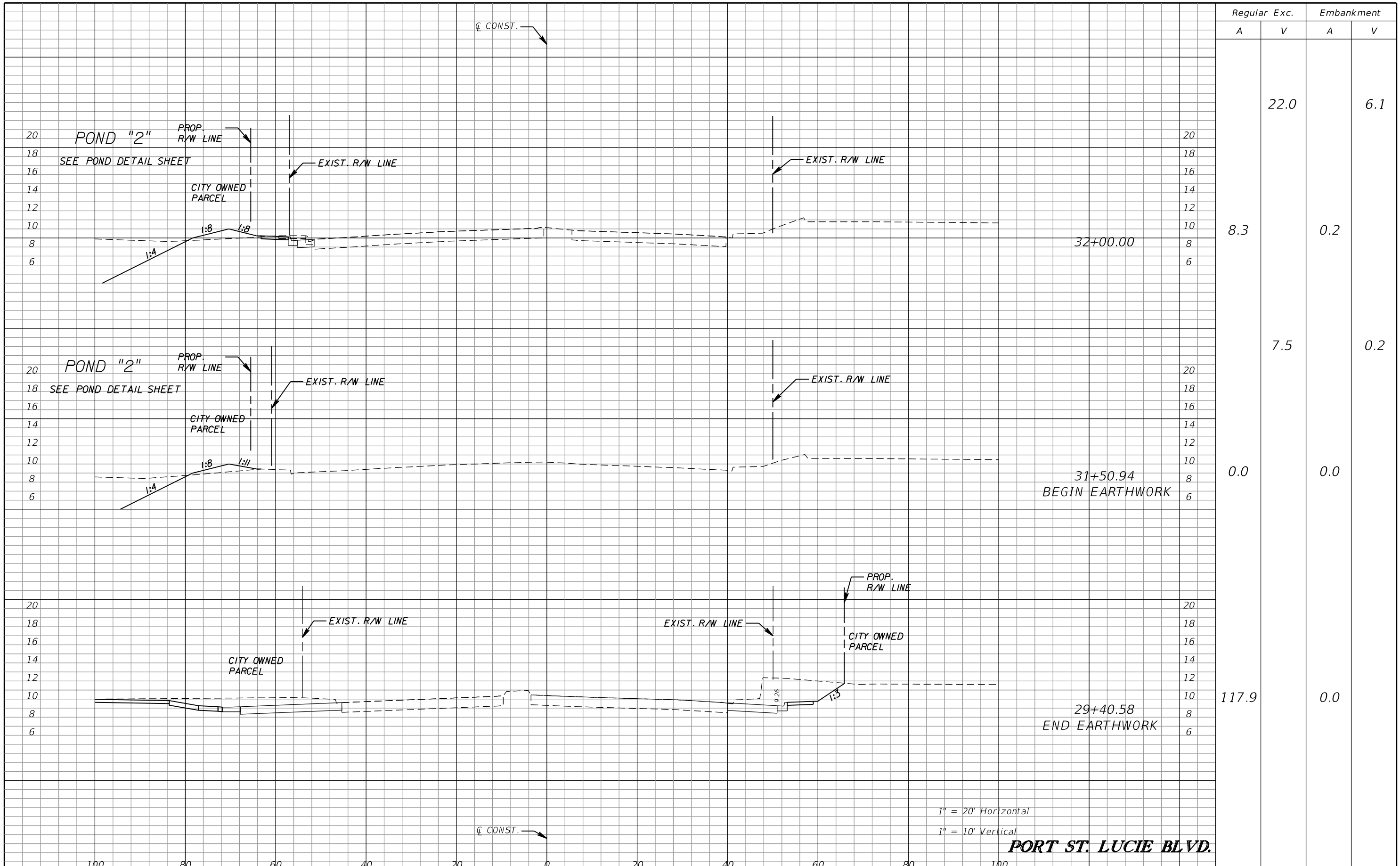
CITY OF PORT ST. LUCIE
121 S.W. PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

CROSS SECTIONS

SHEET NO. 135

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Regular		Exc.		Embankment	
A	V	A	V	A	V
			22.0		6.1
8.3		0.2			
	7.5				0.2
0.0		0.0			
117.9		0.0			

1" = 20' Horizontal
1" = 10' Vertical

PORT ST. LUCIE BLVD.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

American
Consulting Engineers of Florida, LLC
2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Phone: (561) 253-9550 Fax: (561) 253-9551
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121 S.W. PORT ST. LUCIE BLVD.
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FLORESTA DRIVE	ST. LUCIE

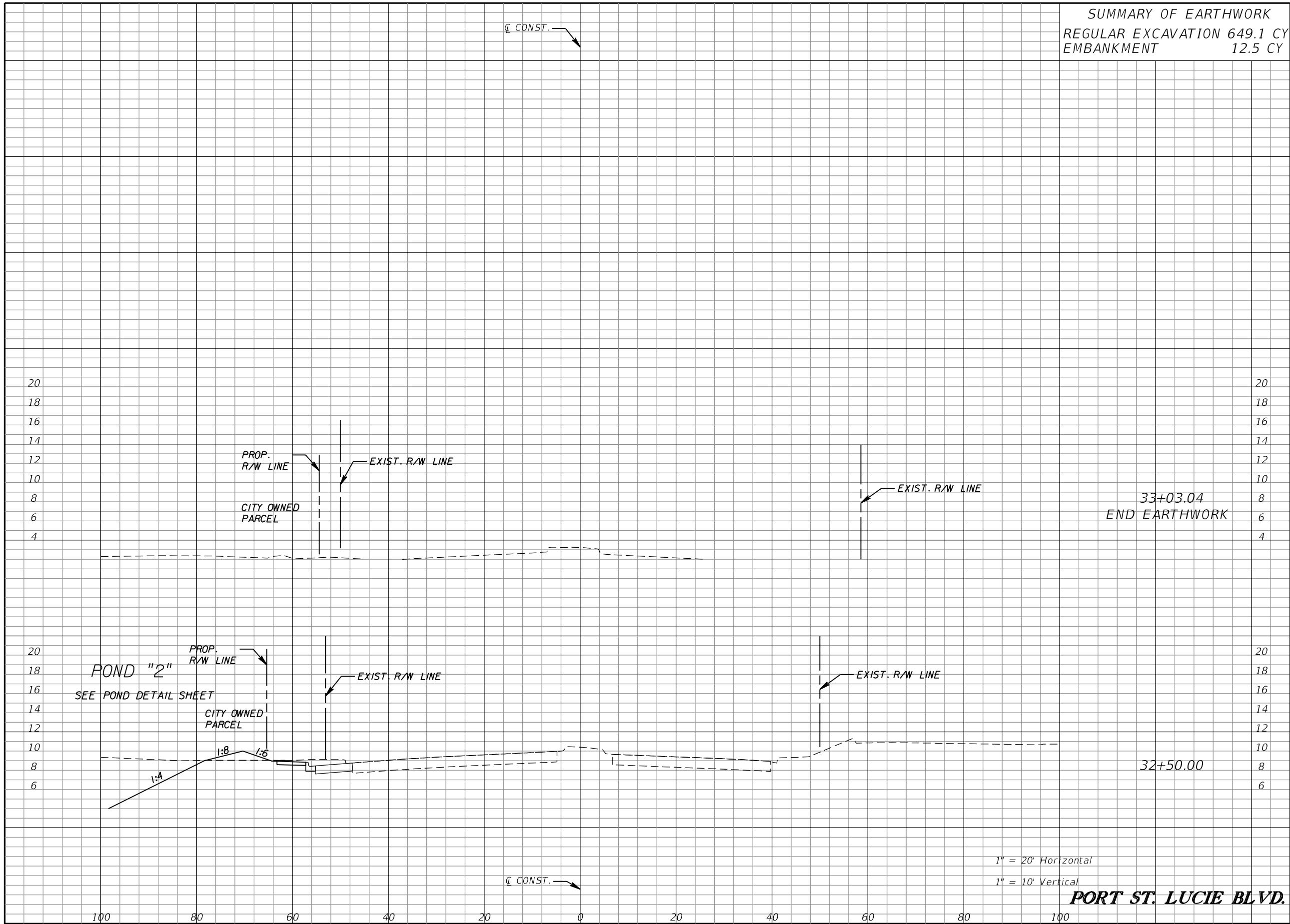
CROSS SECTIONS

SHEET NO.
136

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SUMMARY OF EARTHWORK
 REGULAR EXCAVATION 649.1 CY
 EMBANKMENT 12.5 CY

Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	0.0	0.0
15.4	15.2	6.4	6.3



1" = 20' Horizontal
 1" = 10' Vertical

PORT ST. LUCIE BLVD.

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ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

CROSS SECTIONS

SHEET NO.
 137

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TRAFFIC CONTROL PLAN GENERAL NOTES

1. ENGINEER SHALL BE NOTIFIED OF ALL ROADWAY CLOSURES 21 BUSINESS DAYS IN ADVANCE. CLOSURES SHALL BE COORDINATED WITH CITY ENGINEERING DEPARTMENT AND EMERGENCY SERVICES.
2. FOR PAVEMENT DROP-OFFS CONTRACTOR CAN USE SHOULDER TREATMENT PER STANDARD PLANS 102-600 (SHEET 9 OF 12) IN LIEU OF BARRIER WALL AT NO ADDITIONAL COST.
3. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES DISTURBING THE SOIL.
4. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA D.O.T. STANDARD PLANS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS A MINIMUM CRITERIA. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH (BUT NOT LIMITED TO) THE STANDARD PLANS.
5. THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE REMOVAL OF STORMWATER FROM THE ROADWAY(S) DURING CONSTRUCTION. PROVISIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
6. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES WHICH DEVELOP WITHIN THE PROJECT LIMITS WITH COLD PATCH ASPHALT CONCRETE. COST TO BE INCLUDED UNDER 102-1 MAINTENANCE OF TRAFFIC.
7. THE ALTERATION OF TRAFFIC TRAVEL WAYS TO CREATE A WORK ZONE SHALL NOT COMMENCE UNTIL ALL LABOR AND MATERIALS ARE AVAILABLE FOR THE CONSTRUCTION.
8. THE WORK AREA SHALL BE PROTECTED BY TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE STANDARD PLANS.
9. THE CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY SIGNS OR OBLITERATE ANY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PHASES. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL REINSTALL OR UNCOVER THOSE SIGNS AND PAVEMENT MARKINGS IN THEIR ORIGINAL POSITION. (SEE SIGNING AND PAVEMENT MARKING PLANS).
10. PERMANENT RPM'S WHERE REQUIRED, SHALL BE PLACED WITHIN 72 HOURS OF COMPLETION OF THE PERMANENT STRIPING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A WORK ZONE SCHEDULE SO THAT ANY LOCATION UNDER CONSTRUCTION WILL NOT BE LEFT IN A HAZARDOUS CONDITION AT THE COMPLETION OF ANY WORK PERIOD.
12. CONTRACTOR SHALL WORK WITH ANY ADJACENT CONTRACTORS DURING THE DURATION OF THE PROJECT.
13. POSTED REGULATORY SPEED SHALL BE MAINTAINED FOR ALL PHASES.
14. IF A LANE CLOSURE CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME AS TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL. OPEN ALL LANES DURING INACTIVE WORK TIMES. NO ADDITIONAL COMPENSATION OR TIME ADDED IF LANE CLOSURES NEED TO BE REMOVED.
15. THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION TO PREVENT MILLED MATERIAL FROM ENTERING THE DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE DEPARTMENT. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. ALL DRAINAGE STRUCTURES (EXISTING & PROPOSED) SHALL BE PROTECTED FROM SEDIMENTATION AND MILLING MATERIAL ACCORDING TO DEP FLORIDA STORMWATER EROSION & SEDIMENTATION CONTROL INSPECTOR MANUAL, SECTION * 4.08- STORMDRAIN INLET PROTECTION.
16. THE AREA TO BE CONSTRUCTED SHALL NOT EXCEED THAT AREA WHICH WILL BE PAVED WITH STRUCTURAL COURSE BY THE END OF THE SAME WORK PERIOD.
17. CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKINGS INCLUDING CROSSWALKS, LANE LINES, STORAGE AREAS, TURN LANES, ARROWS AND MESSAGES WITHIN THE PROJECT LIMITS. TEMPORARY MARKINGS MUST BE IN PLACE PRIOR TO OPENING TRAFFIC. SAID TEMPORARY MARKINGS TO BE PAINT. TEMPORARY RPM'S SHALL BE INSTALLED ON THE EDGE OF LANE LINES OF ALL TRANSITIONS, TANGENT SECTIONS AND CROSSOVERS WITHIN THE WORK ZONE.
18. ALL LANES MUST BE OPEN FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENTS AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE ENGINEER.
19. ALL TRENCHING OR EXCAVATION WITHIN THE PAVEMENT AREA SHALL BE PERFORMED PRIOR TO THE RESURFACING OPERATION.
20. ADJUSTMENT OF SIGNAL HEADS NECESSARY FOR ALIGNMENT TO TEMPORARY LANE CONFIGURATION INCLUDED UNDER 102-1 MAINTENANCE OF TRAFFIC.
21. CONTRACTOR SHALL MAKE PROVISIONS TO ENSURE POSITIVE DRAINAGE IS MAINTAINED AT ALL TIMES.
22. NORMAL WORKING HOURS FOR THE CONTRACTOR SHALL BE FROM 7:00 AM TO SUNSET MONDAY THRU FRIDAY. IF THE CONTRACTOR DESIRES TO WORK OUTSIDE OF THESE TIMES THEY MUST FILE FOR A NOISE PERMIT FROM THE CITY.
23. SR 716 (PORT ST. LUCIE BLVD.) AND FLORESTA DR. LANE CLOSURE RESTRICTIONS ARE FROM 6:30 A.M. TO 9:00 A.M. AND FROM 4:00 P.M. TO 7:00 P.M. ON WEEKDAYS. NO LANE CLOSURES ALLOWED ON WEEKENDS. OPEN ALL LANES DURING INACTIVE WORK TIMES.
24. TRAFFIC CONTROL OFFICER SHALL BE USED FOR THE SIGNALIZED INTERSECTION AT PSL BLVD. WHEN SIGNALS ARE NOT IN USE.
25. PERFORM CONSTRUCTION OPERATIONS ONE STREET BLOCK AT A TIME. THE WORK ZONE SHALL NOT BE MORE THAN 750 FEET AT A TIME IN PHASE I, II OR III. ALL WORK EXCEPT FOR FRICTION COURSE, PERMANENT MARKINGS, SIGNS AND LANDSCAPING MUST BE COMPLETED BEFORE PROCEEDING TO THE NEXT 750 FOOT SECTION. SOD NEEDS TO BE INSTALLED, EXCEPT FOR IN THE MEDIAN AREA. IF THE CONTRACTOR PROCEEDS OUTSIDE THE ALLOWABLE 750 FOOT WORK ZONE WITHOUT APPROVAL, THE WORK OUTSIDE THE ALLOWABLE WORK ZONE SECTION MAY BE SHUT DOWN BY THE CITY UNTIL ALL WORK IS COMPLETED IN THE CURRENT WORK ZONE SECTION AND APPROVAL IS GIVEN BY THE CITY TO PROCEED TO THE NEXT WORK ZONE SECTION. THERE WILL BE NO ADDITIONAL TIME OR COMPENSATION IF THE WORK IS SHUT DOWN. ANY SOD THAT IS DAMAGED BY SUBSEQUENT WORK ACTIVITIES WILL NEED TO BE REPLACED AT NO ADDED COST.
26. ANY LANE CLOSURES AFFECTING PSL BLVD. MUST BE APPROVED BY FDOT.

ADVANCE CONSTRUCTION NOTICE:

1. FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ON NORTHBOUND AND SOUTHBOUND FLORESTA DR. THE PCMS SHALL BE IN PLACE TWO (2) WEEKS BEFORE THE START OF ANY CONSTRUCTION ACTIVITIES. PCMS SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER.

PCMS MESSAGE PRIOR TO CONSTRUCTION (14 DAYS IN ADVANCE)



MESSAGE 1



MESSAGE 2

PCMS MESSAGE DURING CONSTRUCTION (NON-LANE CLOSURES)



MESSAGE 1



MESSAGE 2

PCMS MESSAGE DURING CONSTRUCTION (LANE CLOSURES)



MESSAGE 1



MESSAGE 2

GENERAL NOTES

REVISIONS						 American Consulting Engineers of Florida, LLC 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: (561) 253-9550 Fax: (561) 253-9551 Certificate of Authorization No. 9302 Christopher N. O'Reilly, P.E. No. 44084	 CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD. PORT ST. LUCIE, FL 34984	ROAD COUNTY		SHEET NO. TRAFFIC CONTROL PLAN 142
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			FLORESTA DRIVE	ST. LUCIE	

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FLORESTA DRIVE PHASE CONSTRUCTION OVERVIEW:

PHASE I - (SEE TCP -PHASE I TYPICAL SECTION SHEETS FOR DETAILS)

1. INSTALL TEMPORARY EROSION/SEDIMENT CONTROL AND TURBIDITY BARRIERS.
2. CONSTRUCT TEMPORARY PAVEMENT AND PLACE LOW PROFILE BARRIER.
3. SHIFT TRAFFIC
4. EXCAVATE FOR STORM RETENTION/DETENTION PONDS.
5. CONSTRUCT STORM DRAINAGE TRUNKLINE WITH DRAINAGE STRUCTURES.
6. CONSTRUCT RIGHTSIDE ROADWAY AND TEMPORARY PAVEMENT.
7. CONSTRUCT SIDEWALKS AND DRIVEWAY CONNECTIONS.
8. CONSTRUCT SIGNALIZATION MAST ARMS AT INTERSECTION OF SR 716 (PSL BLVD).
9. CONSTRUCT CONFLICT LIGHT POLES AND LED LUMINAIRES ON EXIST. FPL POLES.

PHASE II - (SEE TCP - PHASE II TYPICAL SECTION SHEET FOR DETAILS)

1. SHIFT TRAFFIC TO RIGHTSIDE ROADWAY CONSTRUCTED IN PHASE I. MAINTAIN TWO LANES OF TRAFFIC ONE LANE FOR EACH DIRECTION.
2. CONSTRUCT REMAINING STORM DRAINAGE SYSTEM.
3. CONSTRUCT FULL LEFTSIDE ROADWAY AND MEDIAN.
4. CONSTRUCT SIDEWALKS AND DRIVEWAY CONNECTIONS.
5. CONSTRUCT PEDESTRIAN DECORATIVE LIGHTING.

PHASE III - (SEE TCP - PHASE III TYPICAL SECTION SHEETS FOR DETAILS)

1. SHIFT SOUTHBOUND TRAFFIC TO LEFT SIDE ROADWAY CONSTRUCTED IN PHASE II. MAINTAIN NORTHBOUND TRAFFIC ON RIGHT SIDE ROADWAY.
2. REMOVE TEMPORARY AND EXISTING PAVEMENT WITHIN WORK AREA AND FINALIZE MEDIAN CONSTRUCTION.
3. CONSTRUCT LEFT TURN LANES, SIDEWALK AND TRAFFIC SEPERATORS.

PHASE IV - (PLACEMENT OF FRICTION COURSE)

BEGIN PROJECT TO PSL BLVD.

1. PLACE/MODIFY CHANNELIZING DEVICES & SIGNS UTILIZING FDOT STANDARD PLANS INDEX 102-603. MODIFY SIGNS AS NEEDED TO FIT CONSTRUCTION ACTIVITIES.
2. SHIFT TRAFFIC AND PERFORM CONSTRUCTION OPERATIONS BETWEEN TWO FULL MEDIAN OPENINGS AT A TIME. THE WORK ZONE SHALL NOT BE MORE THAN 1500 FEET.
3. PLACE FRICTION COURSE ON BOTH SIDES OF THE ROADWAY, ONE DIRECTION AT A TIME.

PSL BLVD. TO THANKSGIVING AVE.

1. PLACE/MODIFY CHANNELIZING DEVICES & SIGNS UTILIZING AN OFFSITE DETOUR ALONG PSL BLVD., GLOVER ST., CHAPMAN AVE, WALD ST. AND THANKSGIVING AVE. MODIFY SIGNS AS NEEDED TO FIT CONSTRUCTION ACTIVITIES.
2. CLOSE FLORESTA DR. AND PERFORM CONSTRUCTION OPERATIONS. PLACE FRICTION COURSE ON BOTH SIDES OF THE ROADWAY, ONE DIRECTION AT A TIME.

THANKSGIVING AVE. TO END PROJECT.

1. PLACE/MODIFY CHANNELIZING DEVICES & SIGNS UTILIZING FDOT STANDARD PLANS INDEX 102-603. MODIFY SIGNS AS NEEDED TO FIT CONSTRUCTION ACTIVITIES.
2. SHIFT TRAFFIC AND PERFORM CONSTRUCTION OPERATIONS. PLACE FRICTION COURSE ON BOTH SIDES OF THE ROADWAY, ONE LANE AT A TIME.

PHASE V - (PLACEMENT OF FINAL PAVEMENT MARKINGS)

BEGIN PROJECT TO PSL BLVD.

1. PLACE/MODIFY CHANNELIZING DEVICES & SIGNS UTILIZING FDOT STANDARD PLANS INDEX 102-603. MODIFY SIGNS AS NEEDED TO FIT CONSTRUCTION ACTIVITIES.
2. SHIFT TRAFFIC AND PERFORM CONSTRUCTION OPERATIONS BETWEEN TWO FULL MEDIAN OPENINGS AT A TIME. THE WORK ZONE SHALL NOT BE MORE THAN 1500 FEET.
3. PLACE FINAL PAVEMENT MARKINGS, RPMS AND SIGNS AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS, ONE DIRECTION AT A TIME.



PSL BLVD. TO THANKSGIVING AVE.

1. PLACE/MODIFY CHANNELIZING DEVICES & SIGNS UTILIZING AN OFFSITE DETOUR ALONG PSL BLVD., GLOVER ST., CHAPMAN AVE, WALD ST. AND THANKSGIVING AVE. MODIFY SIGNS AS NEEDED TO FIT CONSTRUCTION ACTIVITIES.
2. CLOSE FLORESTA DR. AND PERFORM CONSTRUCTION OPERATIONS. PLACE FINAL PAVEMENT MARKINGS, RPMS AND SIGNS AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS, ONE DIRECTION AT A TIME.

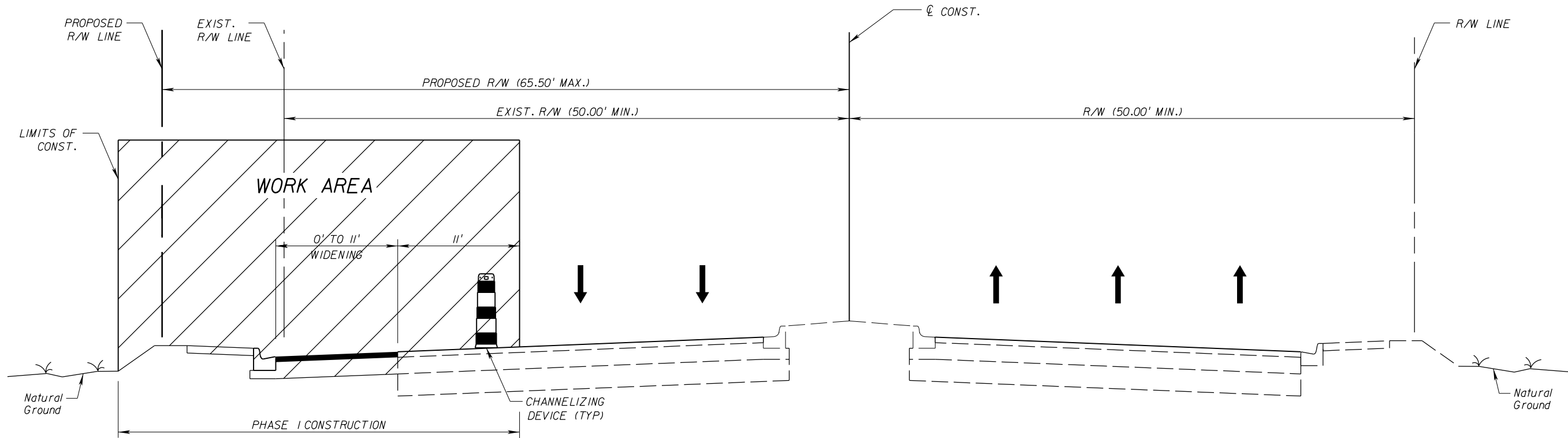
THANKSGIVING AVE. TO END PROJECT.

1. PLACE/MODIFY CHANNELIZING DEVICES & SIGNS UTILIZING FDOT STANDARD PLANS INDEX 102-603. MODIFY SIGNS AS NEEDED TO FIT CONSTRUCTION ACTIVITIES.
2. SHIFT TRAFFIC AND PERFORM CONSTRUCTION OPERATIONS. PLACE FINAL PAVEMENT MARKINGS, RPMS AND SIGNS AS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS, ONE LANE AT A TIME.

PHASING NOTES

REVISIONS						 American Consulting Engineers of Florida, LLC 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: (561) 253-9550 Fax: (561) 253-9551 Certificate of Authorization No. 9302 Christopher N. O'Reilly, P.E. No. 44084	 CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD. PORT ST. LUCIE, FL 34984	ROAD		SHEET NO. 143
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			FLORESTA DRIVE	ST. LUCIE	

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TCP PHASE I - SR 716 (PORT ST. LUCIE BOULEVARD)
 TYPICAL SECTION
 STA. 25+50.00 (RT) TO STA. 29+40.05 (RT)
 STA. 31+50.94 (LT) TO STA. 33+01.04 (LT)

SEQUENCE OF CONSTRUCTION:

1. INSTALL WORK ZONE ADVANCE SIGNING.
2. INSTALL WARNING/CHANNELIZING DEVICES.
3. SHIFT TRAFFIC PER STANDARD INDEX 102-613, SEE TCP GENERAL NOTES FOR LANE CLOSURE RESTRICTION. MAINTAIN TWO LANES OF TRAFFIC AT ALL TIME.
4. DETOUR PEDESTRIAN TO NEAREST CROSSWALK INTERSECTION PER STANDARD INDEX 102-660.
5. SAW CUT AND OBLITERATE EXISTING PAVEMENT WITHIN WORK AREA.
6. CLEAR AND GRUB PER TYPICAL SECTION.
7. CONSTRUCT STORM DRAINAGE SYSTEM WITH DRAINAGE STRUCTURES AND MANHOLE. STEEL PLATING SHALL BE USED WHERE DROP OFF HAZARDS ARE CREATED AND CANNOT BE MITIGATED AT THE END OF THE WORK PERIOD.
8. PLACE EMBANKMENT AND PREPARE ROAD BED.
9. CONSTRUCT RIGHT TURN AUXILIARY LANE ROADWAY.
10. CONSTRUCT GRAVITY WALL, SIDEWALK AND LIGHTING.

TCP PHASE I
 SR 716 (PORT ST. LUCIE BOULEVARD)
 TYPICAL SECTION

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 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

TRAFFIC CONTROL PLAN

SHEET NO. 146

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