



PLANS PREPARED FOR  
**CITY OF PORT ST. LUCIE, FLORIDA**  
**ENGINEERING DEPARTMENT**

**CONTRACT PLANS**  
**ST. LUCIE COUNTY**

SW ROSSER BOULEVARD  
 SIDEWALK IMPROVEMENTS

**COMPONENTS OF CONTRACT PLANS SET**  
 \* CONSTRUCTION PLANS

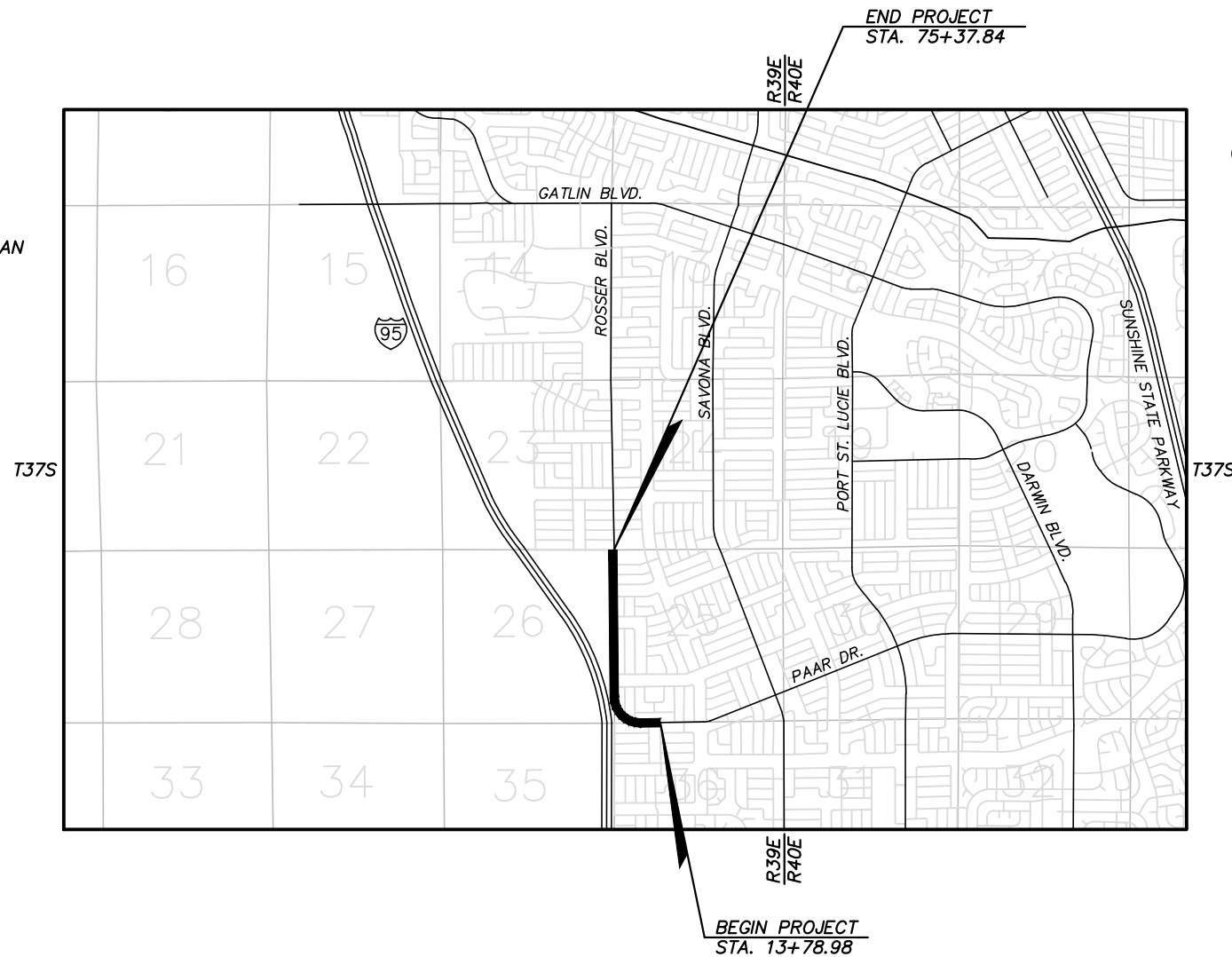
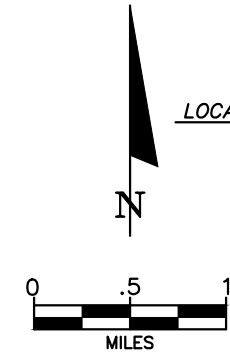
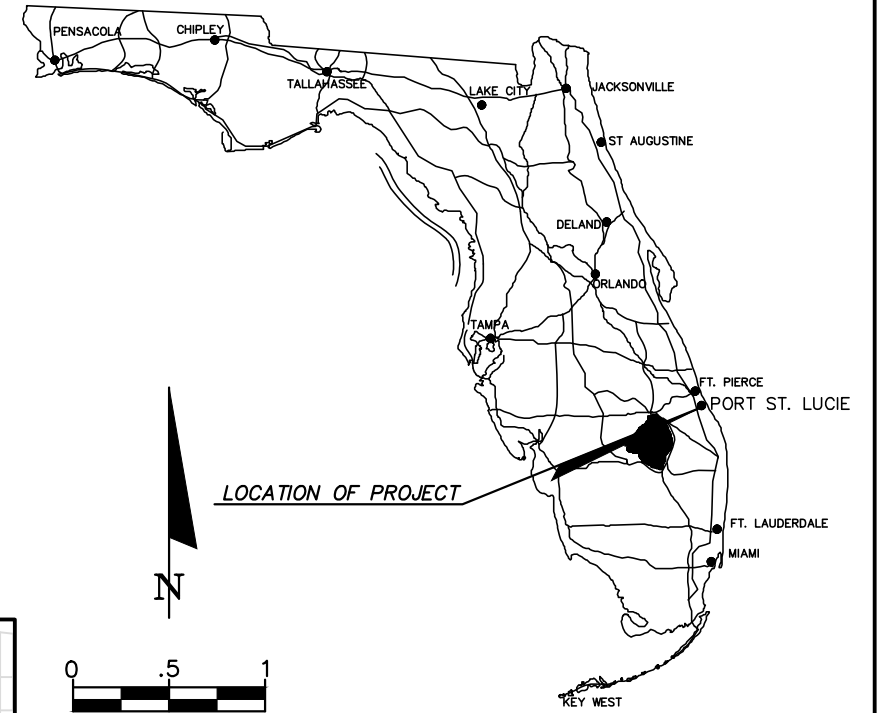
**INDEX OF PLANS**

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

For Design Standards Modifications click on  
 "Design Standards" at the following web site:  
<http://www.dot.state.fl.us/rdesign/>

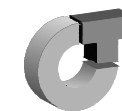
For the Standard Specifications for Road and Bridge  
 Construction click on the "Specifications" link at the  
 following web site:  
<http://www.dot.state.fl.us/specificationsoffice/>



CONSTRUCTION SHOP DRAWINGS  
 TO BE SUBMITTED TO:

STEFAN K. MATTHES, PE  
 CULPEPPER & TERPENING, INC.  
 2980 SOUTH 25TH STREET  
 FORT PIERCE, FLORIDA 34981

PLANS PREPARED BY:



**CULPEPPER & TERPENING, INC**

CONSULTING ENGINEERS | LAND SURVEYORS

2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981  
 PHONE 772-464-3537 • FAX 772-464-9497 • www.ct-eng.com

STATE OF FLORIDA BOARD OF PROFESSIONAL  
 ENGINEERS AUTHORIZATION NO. 4286

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

**100% SUBMITTAL**  
 October 20, 2020

ROADWAY PLANS  
 ENGINEER OF RECORD: STEFAN K. MATTHES, P.E.  
 P.E. NO. : 38723

LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	6,160.00 LF	1.17
BRIDGES	0 LF	0.00
NET LENGTH OF PROJ.	6,160.00 LF	1.17
EXCEPTIONS		
GROSS LENGTH OF PROJ.	6,160.00 LF	1.17

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

REVISIONS

PROJECT MANAGER: FRANK KNOTT

FISCAL YEAR	SHEET NO.
20	1

C&T JOB NO.: 19-098

**GENERAL NOTES**






1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
2. ALL DRAINAGE INFRASTRUCTURE IS TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
4. STATIONING AND OFFSETS REFER TO THE BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
6. 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 RICK COMPITELLO, WITHOUT DELAY, BY TELEPHONE (772) 871-5280.
7. EXISTING IMPACTED DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE RESTORED TO THE CITY OF PORT ST. LUCIE (CITY OF PSL) STANDARDS AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS. RESIDENTIAL ACCESS MUST BE MAINTAINED AT ALL TIMES. LIMITS OF DRIVEWAY REMOVAL ARE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER AT THE TIME OF CONSTRUCTION. IN WHICH CASE, CONTRACTOR WILL NOTIFY HOMEOWNER 48 HOURS IN ADVANCE AND WILL COMPLETE DRIVEWAY RECONSTRUCTION WITHIN ONE WEEK OF THIS NOTIFICATION.
8. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A "NOTICE TO PROCEED".
9. DURING CONSTRUCTION, SHOULD ANY DRAINAGE STRUCTURES (INCLUDING PIPES) BE FOUND THAT ARE NOT SHOWN ON THE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.
10. IN REFERENCE TO EXISTING UTILITIES AND UTILITY ADJUSTMENTS:
  - A. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT HORIZONTAL AND VERTICAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN ON THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNER(S) TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS AS REQUIRED.
  - B. WATER AND SANITARY SEWER UTILITY WORK SHALL BE IN CONFORMANCE WITH ALL CODES, STANDARDS, AND ORDINANCES CURRENTLY ADOPTED BY THE STATE OF FLORIDA D.E.P. AND PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT (PSLUSD).
11. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND UTILITY OWNERS LISTED BELOW IN TWO BUSINESS DAYS (OR 10 DAYS IF ON THE JOB SITE)
 

COMPANY	CONTACT	TEL. NO.
AT&T	LUKE FOLKERTS	(407) 496-6041
COMCAST CABLE	ANTHONY SPRINGSTEEL	(561) 804-0973
FLORIDA CITY GAS	RON MULLER	(772) 337-7011
FLORIDA POWER & LIGHT, CO.	ROB MORRIS	(772) 223-4215
PSL PUBLIC WORKS DEPT.	PAUL JOHNSON	(772) 871-5100
PSL UTILITY SYSTEMS DEPT.	LANEY SOUTHERLY	(772) 873-6442

(NOTE: IF THERE IS A TRAFFIC MONITORING SITE ON THE PROJECT OR WITHIN ONE MILE OF THE CONSTRUCTION, THE TRANSPORTATION STATISTICS OFFICE IN TALLAHASSEE SHALL BE ADDED TO THE LIST OF UTILITY OWNERS.)
12. IF DEWATERING PERMIT IS REQUIRED FOR THIS PROJECT, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A DEWATERING PERMIT OR WATER USE PERMIT AND ALLOW TIME FOR THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND/OR FDEP TO REVIEW AND APPROVE THE PERMIT PRIOR TO THE CONSTRUCTION START DATE.
13. WORK HOURS ARE FROM 7:00 AM TO DUSK, MONDAY-FRIDAY. WORK WILL NOT BE ALLOWED ON WEEKENDS OR HOLIDAYS OBSERVED BY THE CITY OF PORT ST. LUCIE UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE CITY. THE CONTRACTOR MUST RECEIVE WRITTEN PERMISSION FROM THE CITY AND PROVIDE AN APPROVED MOT PLAN BEFORE ANY LANE CLOSURES OCCUR.
14. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH FRANK KNOTT (772) 344-4290.

15. EXISTING LANDSCAPE IMPROVEMENT THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS ARE TO BE RELOCATED PER THE DIRECTION OF THE ENGINEER OF RECORD.
16. LANE CLOSURES ALONG ROSSER BOULEVARD SHALL BE COORDINATED WITH ST. LUCIE COUNTY SCHOOL BOARD AND THE CITY OF PORT ST. LUCIE AT LEAST 48 HOURS IN ADVANCE.
17. IN REFERENCE TO THE PROPOSED DRAINAGE STRUCTURES & PIPE:
  - A. CONCRETE PIPE CULVERT (R.C.P.) SHALL BE CLASS II, WALL B UNLESS OTHERWISE NOTED.
  - B. ALL STORM STRUCTURE TOPS SHALL BE ADJUSTED AT TIME OF FINAL PAVEMENT OF CURB CONSTRUCTION. FINAL ADJUSTMENT OF ALL TOPS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - C. THE LENGTHS OF PIPE SHOWN HEREON HAVE BEEN DETERMINED BY CALCULATING THE DISTANCE BETWEEN THE "CENTERLINE" OF THE INLETS AND/OR MANHOLES.
  - D. OFFSETS TO CURB INLETS ARE TO THE "CENTERLINE" OF THE INLETS.
18. ANY KNOWN OR SUSPECT HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECT HAZARDOUS MATERIAL FROM FURTHER ACCESS. THE PROJECT ENGINEER IS TO NOTIFY THE PROPER REGULATORY AUTHORITY OF THE DISCOVERY. THE PROPER REGULATORY AUTHORITY WILL ADVISE/DIRECT THE PROJECT ENGINEER IN THE INVESTIGATION, IDENTIFICATION AND/OR REMOVAL/REMEDICATION OF THE MATERIAL IN QUESTION AS NEEDED. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF SUSPECTED CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER, THE REGULATORY AUTHORITY WILL ADVISE THE PROJECT ENGINEER IN THESE MATTERS.
19. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE A COPY OF THE REQUEST TO FRANK KNOTT OF THE CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT. THE CONTRACTOR SHALL PROVIDE FRANK KNOTT WITH A COPY OF THE SAFETY DATA SHEET (SDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE, AND PROVIDE A DESCRIPTION OF THE SPECIFIC MANNER IN WHICH THE MATERIAL WILL BE USED. THE PROJECT ENGINEER SHALL COORDINATE WITH FRANK KNOTT PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AS HAZARDOUS MATERIALS, SUCH PRODUCTS DO NOT REQUIRE AN SDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT
20. EXISTING MAILBOXES SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR REPLACING DAMAGED MAILBOXES WITH LIKE KIND AT NO ADDITIONAL COST. ADJUSTMENT OF EXISTING MAILBOXES DUE TO CONSTRUCTION OF DRIVEWAY APRONS AND WIDENING OF ROADWAY SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT AND PAID FOR UNDER 102-1.
21. ALL WORK ASSOCIATED WITH THIS PROJECT IS TO BE PERFORMED WITHIN THE RIGHT-OF-WAY LIMITS AS DEPICTED ON THE PLAN SHEETS.
22. ALL CONCRETE SIDEWALK JOINTS SHALL BE TOOLED WITHOUT EXPANSION JOINTS.
23. ALL WORK, CONCRETE AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION, INCLUDING ALL REVISIONS, OF THE FOLLOWING STANDARDS AND PUBLICATIONS:
  - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
  - AMERICAN CONCRETE INSTITUTE (ACI)
  - AMERICAN SOCIETY FOR TESTING MATERIAL (ASTM)
  - AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)
  - FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS
  - FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - FDOT STRUCTURES STANDARD INDEX
24. ALL DISTURBED AREAS SHALL BE REPAIRED TO EXISTING CONDITIONS OR BETTER. THE CONTRACTOR SHALL ONLY BE ENTITLED FOR PAYMENT OF AUTHORIZED AREAS WITHIN THE PROJECT WORK LIMITS. THE PROJECT WORK LIMITS SHALL BE ESTABLISHED BY THE CITY OF PORT ST. LUCIE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE UNNECESSARY DAMAGE. ALL DAMAGED AREAS OUTSIDE THE PROJECT WORK LIMITS MUST BE REPAIRED TO EXISTING CONDITIONS OR BETTER, AT THE COST OF THE CONTRACTOR, PRIOR TO FINAL PAYMENT.
25. ALL SOD SHALL HAVE A WARRANTY OF 45 DAYS AFTER THE FINAL COMPLETION DATE OF THE PROJECT. SOD REPLACED BY THE CONTRACTOR MUST BE THE SAME TYPE AS THAT REMOVED.

**LEGEND**

- BT --- EXIST. BURIED TELEPHONE
- OE --- EXIST. OVERHEAD ELECTRIC & UTILITIES
- LPM --- EXIST. LOW PRESSURE MAIN
- FM --- EXIST. SANITARY FORCE MAIN
- SS --- EXIST. SANITARY SEWER SERVICE
- W --- EXIST. WATER MAIN
- WS --- EXIST. WATER SERVICE
-  EXIST. PALM TREE
-  EXIST. PINE TREE
-  EXIST. OAK TREE
-  EXIST. EXOTIC TREE
-  EXIST. BUSH

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STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-21-19	DRAWN BY ELB 8-21-19
CHECKED BY	CHECKED BY
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	



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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE
PROJECT NAME
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS

GENERAL NOTES
2

SHEET NO.
2

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PAY ITEM	PAY ITEM DESCRIPTION	QUANTITY	UNIT
101-1	MOBILIZATION	1	LS
101-1B	CONSTRUCTION VIDEO	1	LS
101-99	SURVEY STAKING & RECORD DRAWINGS	1	LS
102-1	MAINTENANCE OF TRAFFIC	1	LS
104-10-3	SILT FENCE	6200	LF
104-11	FLOATING TURBIDITY BARRIER	40	LF
104-18	INLET PROTECTION SYSTEM	8	EA
110-1	CLEARING AND GRUBBING (SELECT)	2.5	AC
120-1	REGULAR EXCAVATION	1800	CY
120-6	EMBANKMENT	3050	CY
400-1-2	CONCRETE CLASS 1, ENDWALL	3.25	CY
430-174-218	PIPE CULVERT, CAP, ELLIPTICAL, 12"X18"SD	40	LF
430-174-224	PIPE CULVERT, CAP, ELLIP, 15"X21" SD	8	LF
430-174-230	PIPE CULVERT, CAP, ELLIP, 19"X30" SD	8	LF
430-982-625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	2	EA
514-72	LINER IMPERMEABLE POLYETHELENE (SWALE LINER INSTALL)	1000	LF
522-1	CONCRETE SIDEWALK (4" THICK)	3973	SY
522-2	CONCRETE SIDEWALK (6" THICK)	330	SY
527-2	DETECTABLE MAT	36	SF
550-10-110	FENCING, TYPE A, 0.0-5.0', STANDARD	800	LF
570-1-2	PERFORMANCE TURF, SOD	6700	SY
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	7	AS
700-1-60	SINGLE POST SIGN, REMOVE	8	AS
711-14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	250	LF
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	112	LF
2000-1	UTILITY COORDINATION	1	LS

PAY ITEM NOTES

- 102-1 INCLUDES ALL ITEMS FOR MAINTENANCE OF TRAFFIC WHICH ARE NOT INCLUDED FOR PAYMENT UNDER SEPARATE ITEMS. INCLUDES PEDESTRIAN MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS.
- 104-10-3 IS ESTIMATED FOR PREVENTION. CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION AND ARE TO BE USED AT LOCATIONS DESIGNATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. INCLUDES FLOATING TURBIDITY BARRIER, SILT FENCE TYPE III.
- 110-1-1A INCLUDES REMOVAL AND DISPOSAL OF EXISTING DRAINAGE STRUCTURES & PIPES; CULVERTS; SIGNS; FENCE; AND TREE TRIMMING. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN, UNLESS OTHERWISE NOTED.
- 120-6 INCLUDES ALL EARTHWORK EMBANKMENT FOR ROADWAY, DRIVEWAY, CULVERT STRUCTURE, & INCLUDES FINAL GRADING SHAPING AS NECESSARY FOR FINAL RESTORATION.
- 514-72 SHALL INCLUDE ALL ITEMS SHOWN ON SHEET 4 DETAIL INCLUDING SAND LAYER.
- 522-2 INCLUDES PAINTING & STAINING OF DRIVEWAY TO MATCH EXISTING COLOR. SHALL INCLUDE ADDITIONAL CONCRETE AND REINFORCING BARS FOR REDUCED COVER DRIVEWAY PIPE INSTALLATION.
- 700-1-11 SHALL INCLUDE REPLACEMENT OF EXISTING SIGN POSTS AS REQUIRED TO MEET CURRENT FDOT AND MUTCD STANDARDS AND INCLUDE STREET NAME BLADES.
- 2000-1 SHALL COMPENSATE THE CONTRACTOR FOR ALL COORDINATION WITH EXISTING UTILITY PROVIDER THROUGHOUT THE DURATION OF THE CONSTRUCTION CONTRACT.

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 3-23-17	DRAWN BY ELB 3-23-17
CHECKED BY	CHECKED BY
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

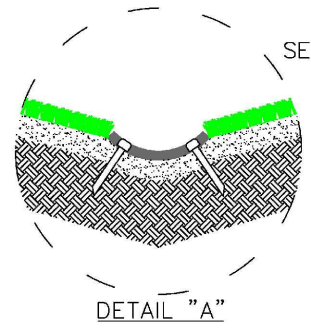
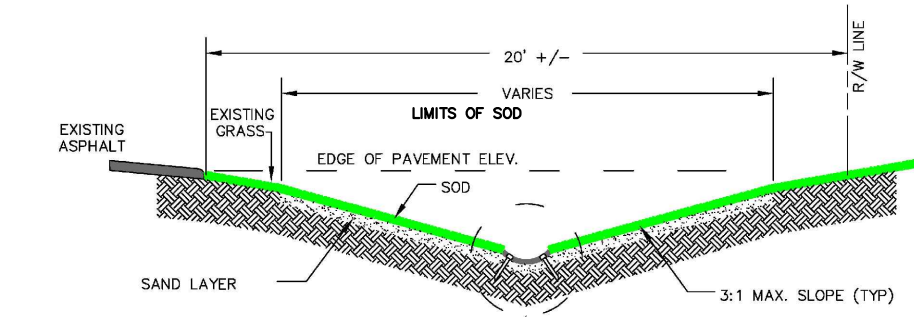


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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE
PROJECT NAME
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS

SUMMARY OF PAY ITEMS
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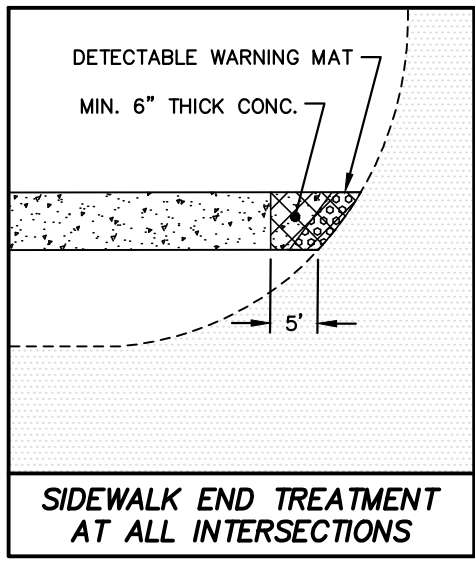
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3



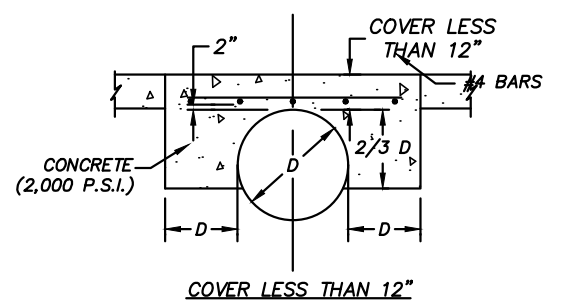
SEE DETAIL "A"  
SECTION VIEW

PLASTIC SWALE LINER INSTALLATION DETAILS

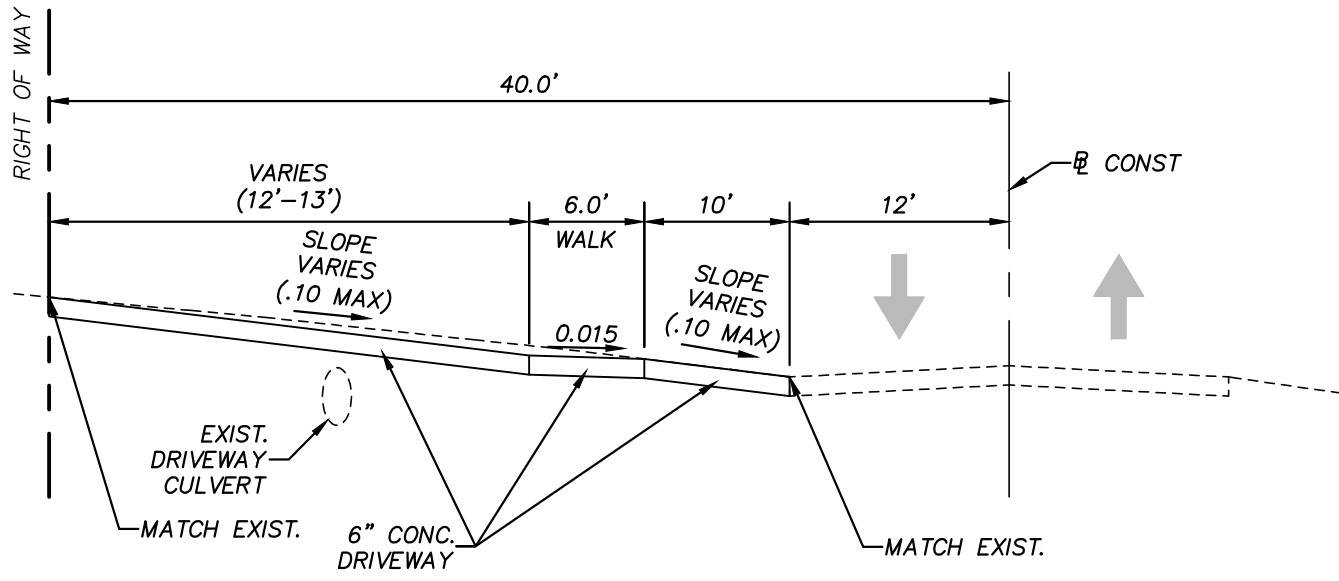
- NOTES:**
1. SWALE LINER: 1/4 SECTION OF 12" ID SMOOTH INNER WALL PERFORATED BLACK POLYETHYLENE PIPE.
  2. 1/2" DIAMETER X 12" LONG PVC WITH CAP FOR STAKES THROUGH LINER AT CORRUGATION, EQUAL DISTANCE. (10 PER 20' LENGTH)
  3. SOD SHALL BE LAID OVER A 3" THICK CLEAN SAND LAYER AT 95% DENSITY.
  4. ALLOW A 1-1/2" GAP BETWEEN LINER SECTIONS FOR EXPANSION.
  5. THE PEGS MUST BE FLUSH WITH THE LINER.
  6. THE CITY OF PORT ST LUCIE WILL FURNISH LINER, STAKES, AND CAPS.
  7. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION ONLY.
  8. SOD IS PAID FOR AS PERFORMANCE TURF.



SIDEWALK END TREATMENT AT ALL INTERSECTIONS



REDUCED COVER DETAIL



TYPICAL DRIVEWAY SECTION

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
4/24/17	DRP	CITY NOTES FOR LINER DETAIL			

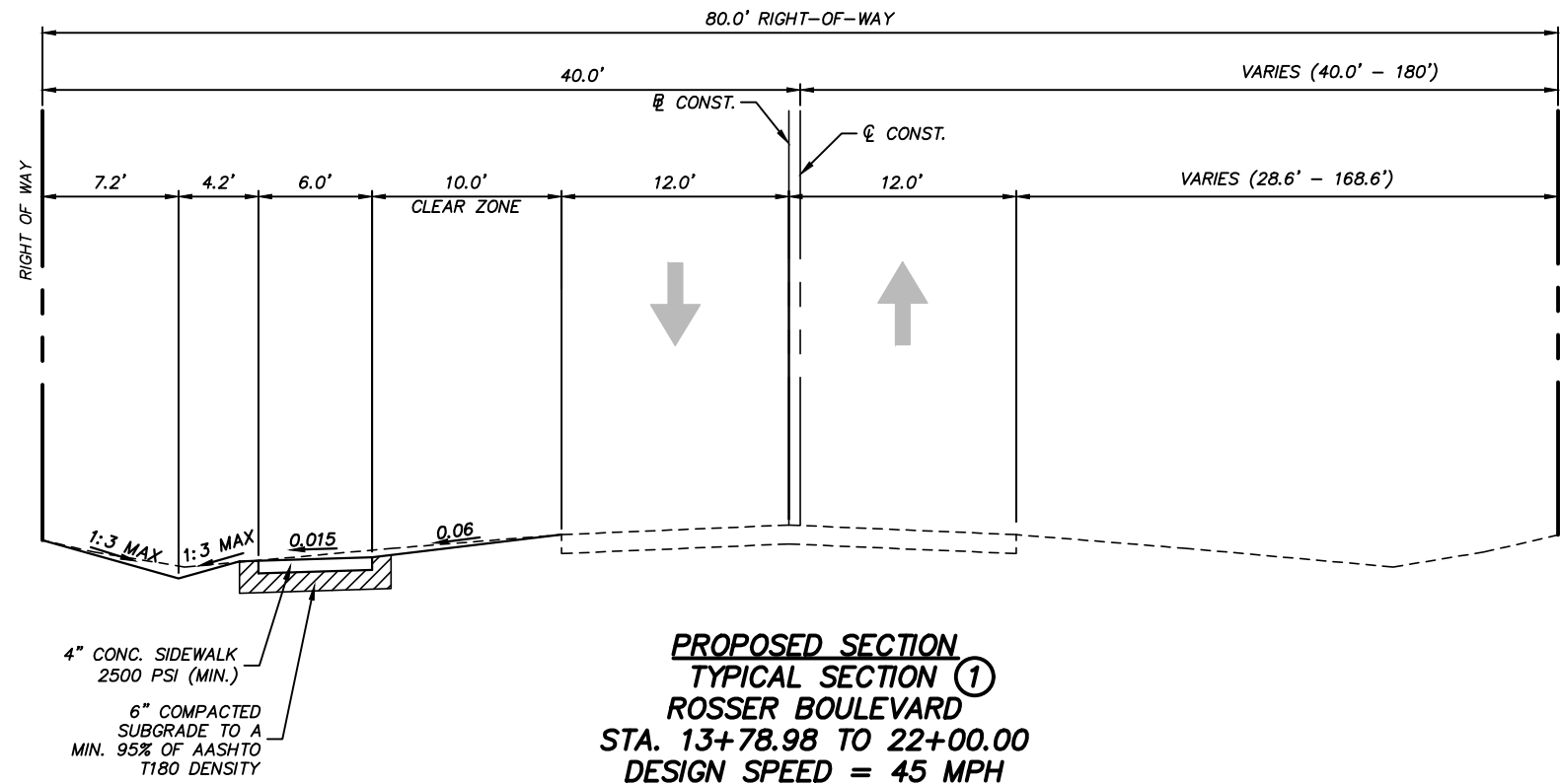
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CITY OF PORT ST. LUCIE  
 PROJECT NAME  
 SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS

TYPICAL DETAILS

SHEET NO.	4
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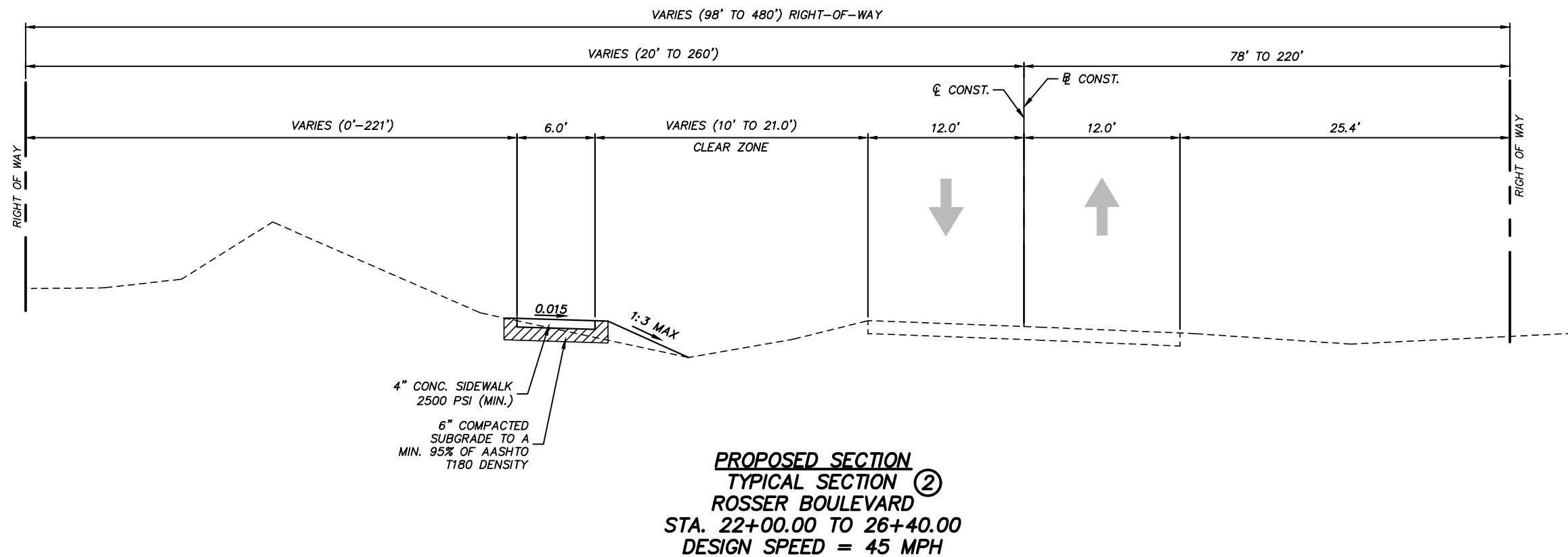


TRAFFIC DATA (SW ROSSER BOULEVARD)

CURRENT YEAR = 2019 AADT = 3,900  
 ESTIMATED OPENING YEAR = 2020 AADT = N/A  
 ESTIMATED DESIGN YEAR = 2030 AADT = N/A  
 DESIGN SPEED = 45 MPH

NOTES:

1. SEE PLAN AND/OR CROSS SECTION SHEETS FOR DIMENSIONS, ELEVATIONS AND SLOPES INDICATED AS "VARIES."
2. ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE SODDED USING COMMON BAHIA SOD EXCEPT WHEN MATCHING EXISTING.
3. MAXIMUM SIDEWALK SLOPE IS 2.0%



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 FL. REG. NO. 38723

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

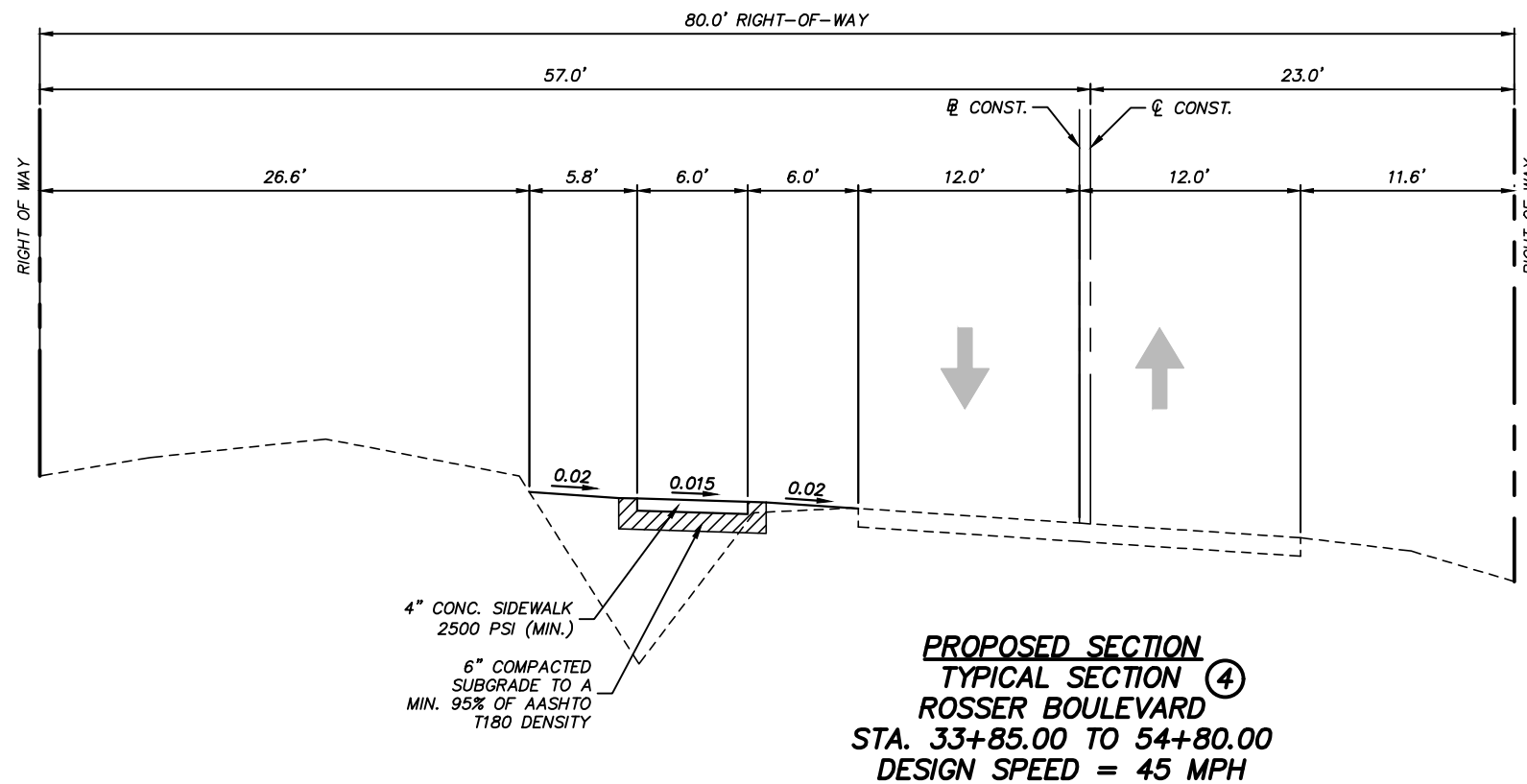
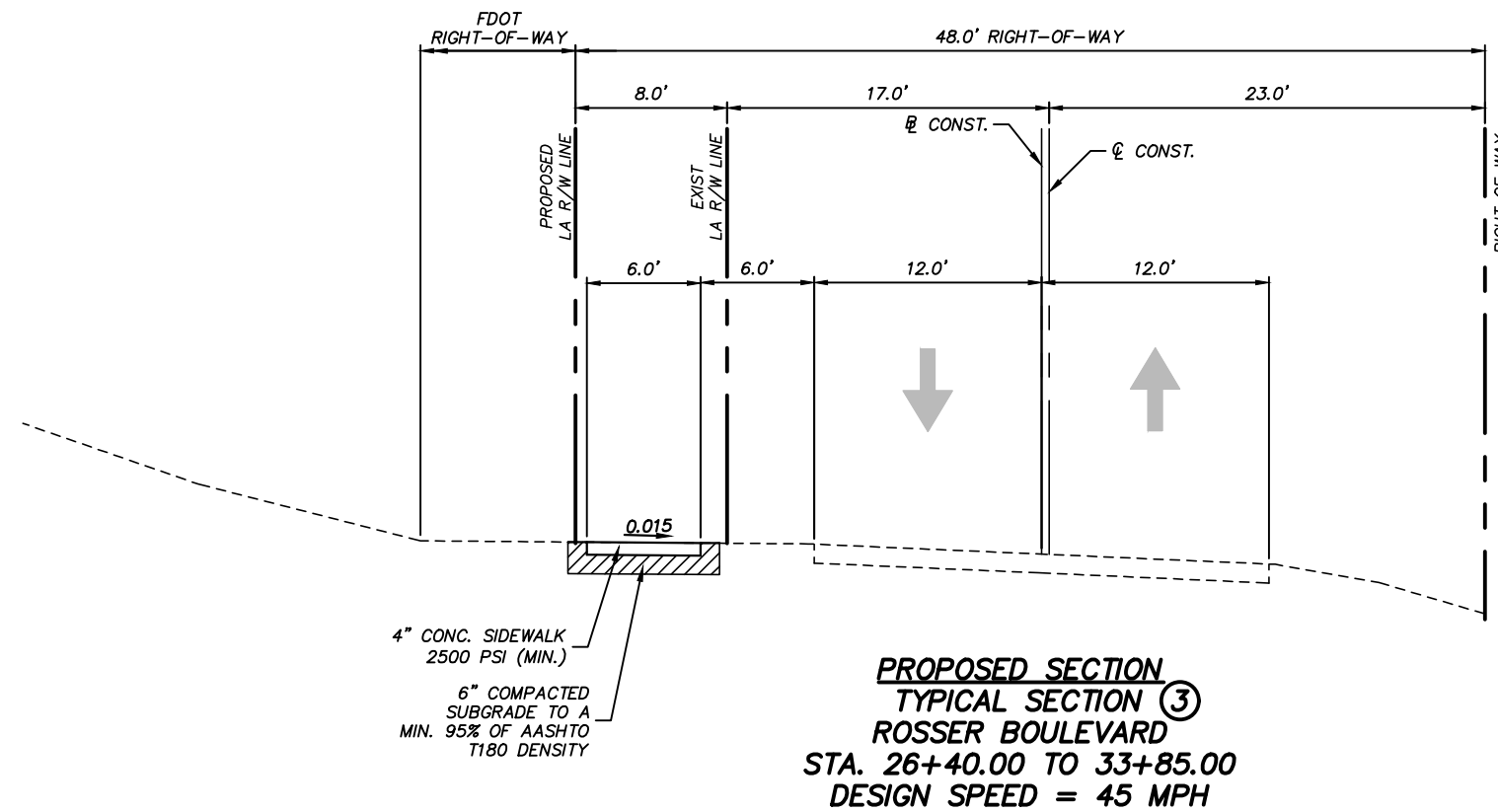
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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

<b>TYPICAL SECTIONS</b>	
5	

SHEET NO.	5
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**TRAFFIC DATA (SW ROSSER BOULEVARD)**

CURRENT YEAR	= 2019 AADT = 3,900
ESTIMATED OPENING YEAR	= 2020 AADT = N/A
ESTIMATED DESIGN YEAR	= 2030 AADT = N/A
DESIGN SPEED	= 45 MPH

**NOTES:**

1. SEE PLAN AND/OR CROSS SECTION SHEETS FOR DIMENSIONS, ELEVATIONS AND SLOPES INDICATED AS "VARIES."
2. ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE SODDED USING COMMON BAHIA SOD EXCEPT WHEN MATCHING EXISTING.
3. MAXIMUM SIDEWALK SLOPE IS 2.0%

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

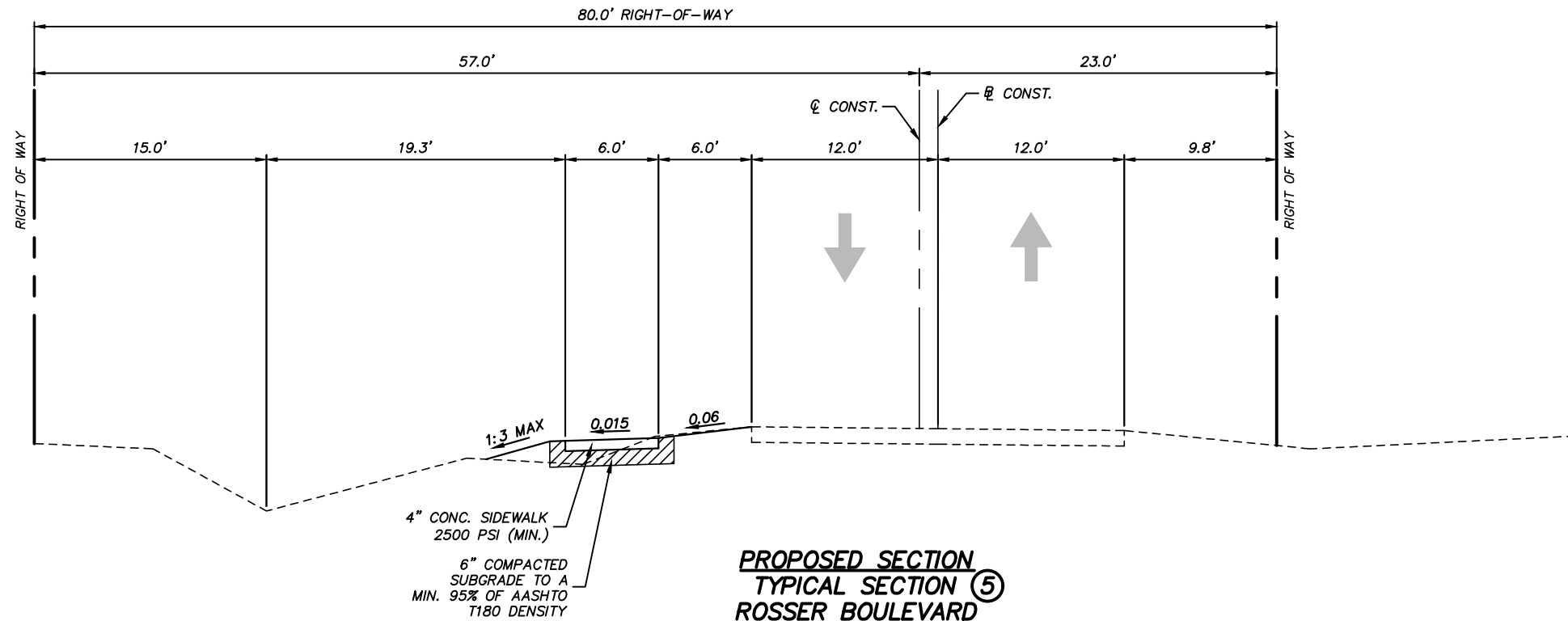
C&T JOB NO. 19-098	
DESIGNED BY SKM 8-20-19	DRAWN BY ELB 8-21-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

<b>TYPICAL SECTIONS</b>	
6	

SHEET NO.	6
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**PROPOSED SECTION  
TYPICAL SECTION ⑤  
ROSSER BOULEVARD  
STA. 54+80.00 TO 75+37.84  
DESIGN SPEED = 45 MPH**

4" CONC. SIDEWALK  
2500 PSI (MIN.)  
6" COMPACTED  
SUBGRADE TO A  
MIN. 95% OF AASHTO  
T180 DENSITY

TRAFFIC DATA (SW ROSSER BOULEVARD)

CURRENT YEAR = 2019 AADT = 3,900  
ESTIMATED OPENING YEAR = 2020 AADT = N/A  
ESTIMATED DESIGN YEAR = 2030 AADT = N/A  
DESIGN SPEED = 45 MPH

NOTES:

1. SEE PLAN AND/OR CROSS SECTION SHEETS FOR DIMENSIONS, ELEVATIONS AND SLOPES INDICATED AS "VARIES."
2. ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE SODDED USING COMMON BAHIA SOD EXCEPT WHEN MATCHING EXISTING.
3. MAXIMUM SIDEWALK SLOPE IS 2.0%

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 TYPICAL SECTIONS.dwg 10/20/2020 10:25 AM

REVISIONS					
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ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

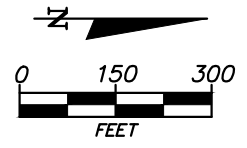
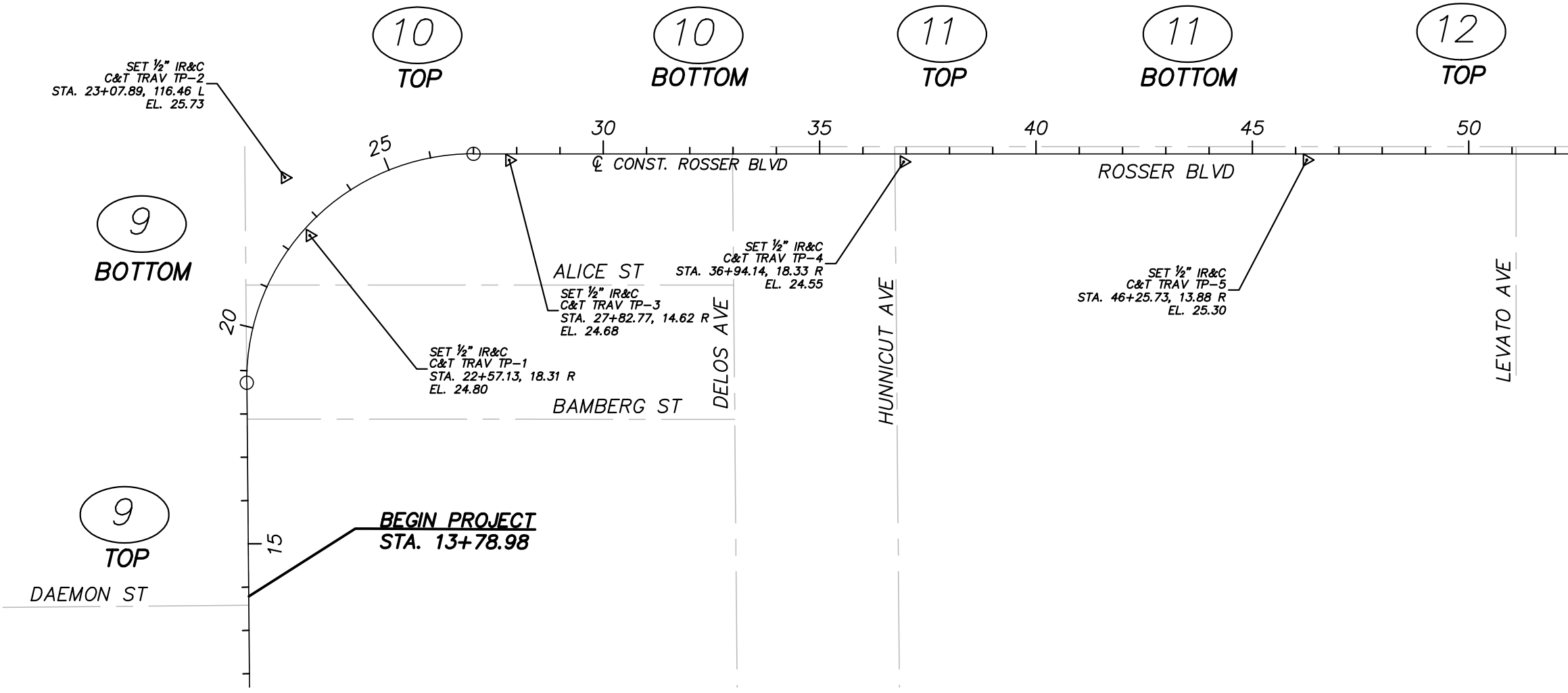


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ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

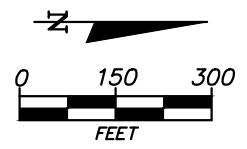
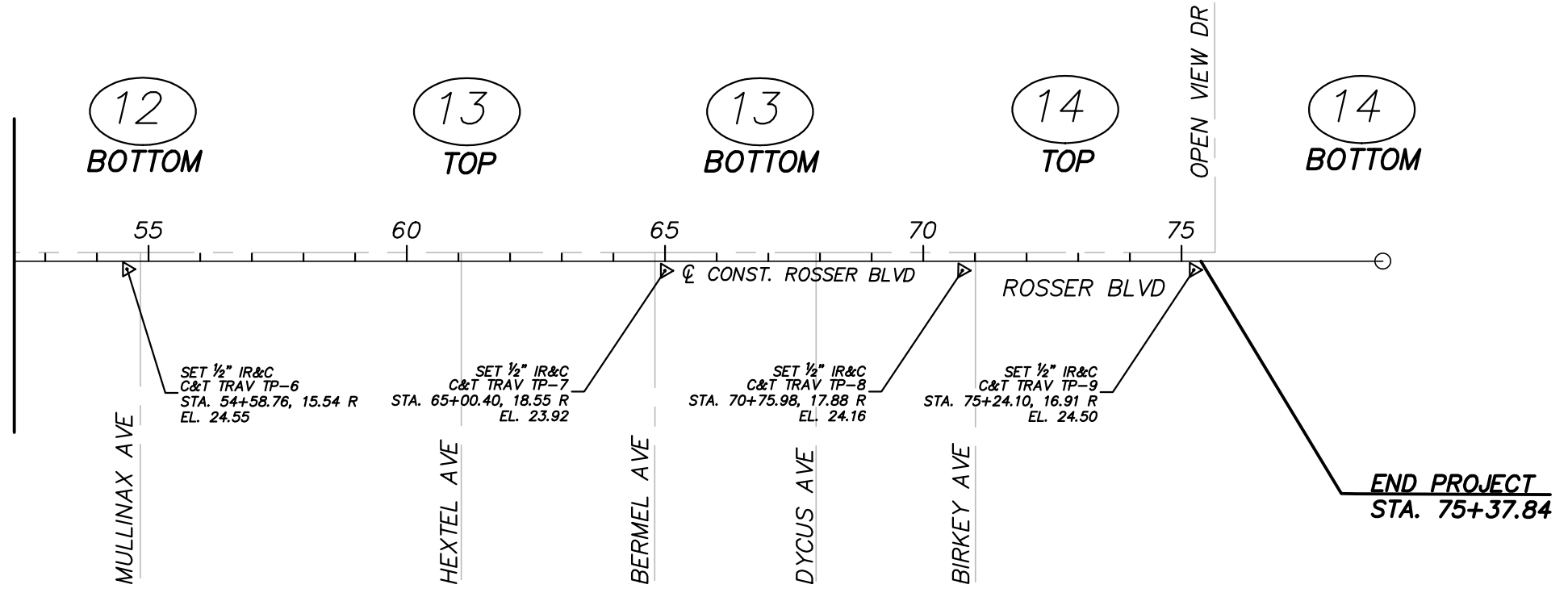
TYPICAL SECTIONS	
7	

SHEET NO.	7
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MATCH LINE STA 52+40.00 - SEE THIS SHEET

MATCH LINE STA 52+40.00 - SEE THIS SHEET



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FL. REG. NO. 38723

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REVISIONS					
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ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

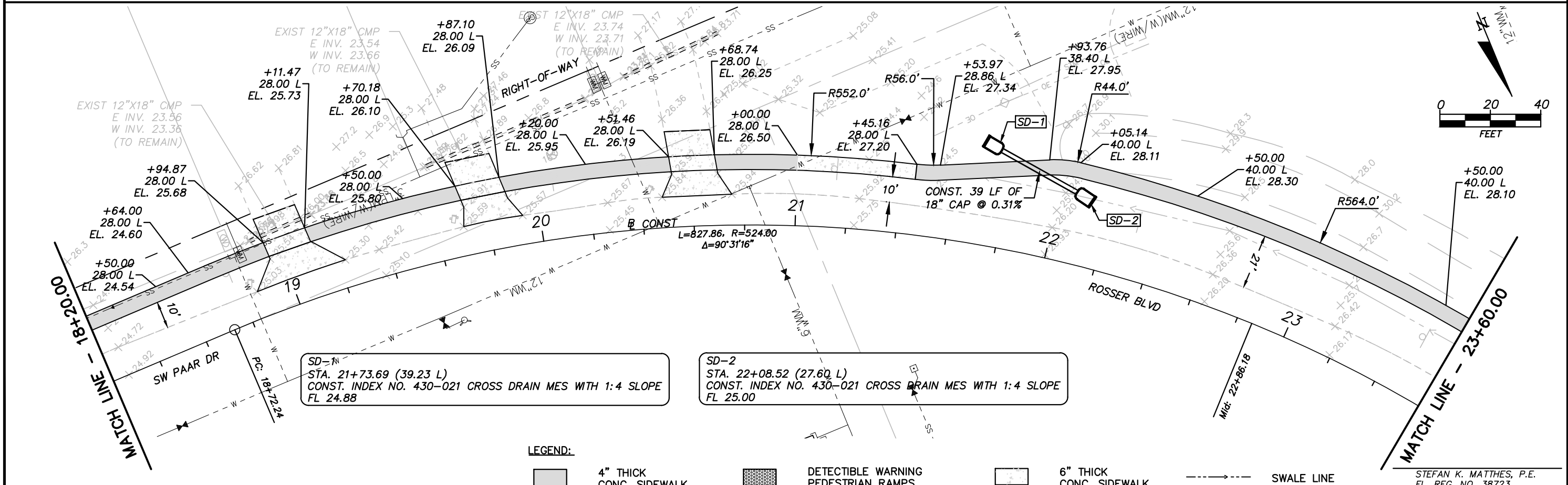
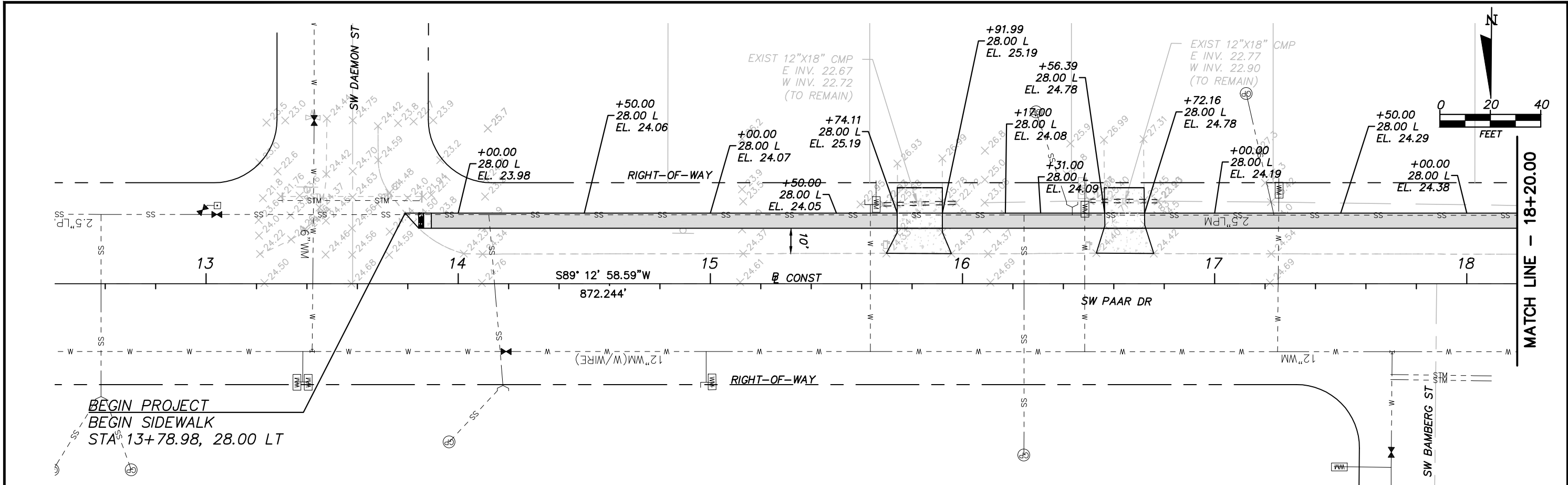
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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

PROJECT LAYOUT	
8	

SHEET NO.
8





**LEGEND:**

- 4" THICK CONC. SIDEWALK
- DETECTIBLE WARNING PEDESTRIAN RAMPS
- 6" THICK CONC. SIDEWALK
- SWALE LINE

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 CHECKED BY SKM    CHECKED BY SKM  
 ENGINEER OF RECORD:  
 STEFAN K. MATTHES, P.E. NO. 38723

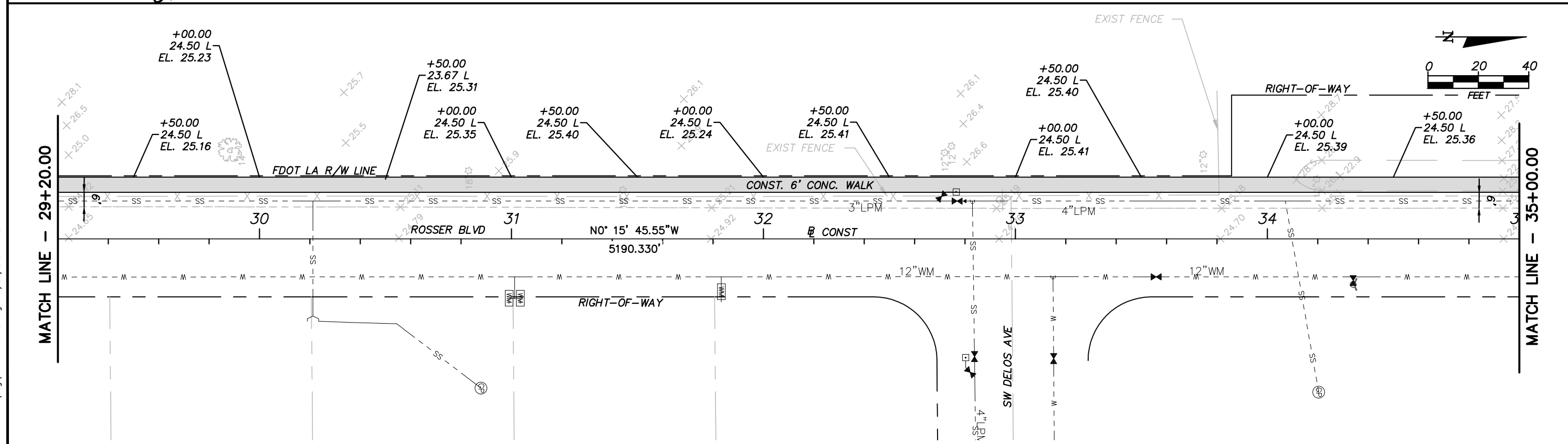
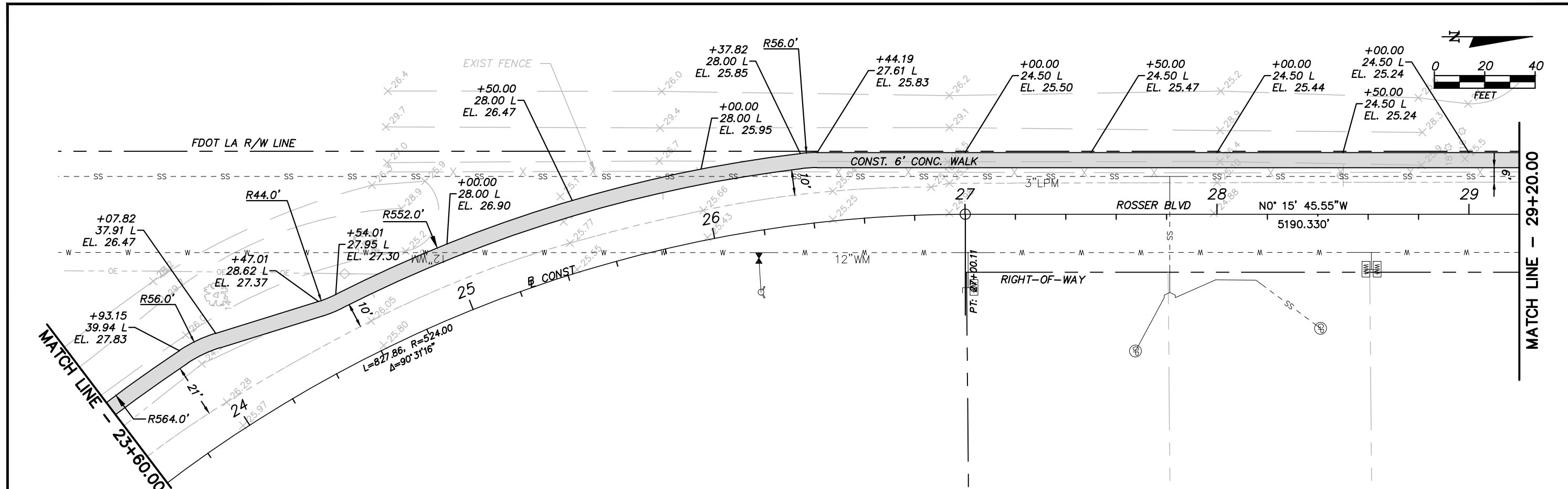
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CITY OF PORT ST. LUCIE  
 PROJECT NAME: SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS  
 FINANCIAL PROJECT ID: N/A

**PLAN SHEETS**

SHEET NO.  
9

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**LEGEND:**

- 4" THICK CONC. SIDEWALK
- DETECTIBLE WARNING PEDESTRIAN RAMPS
- 6" THICK CONC. SIDEWALK
- SWALE LINE

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

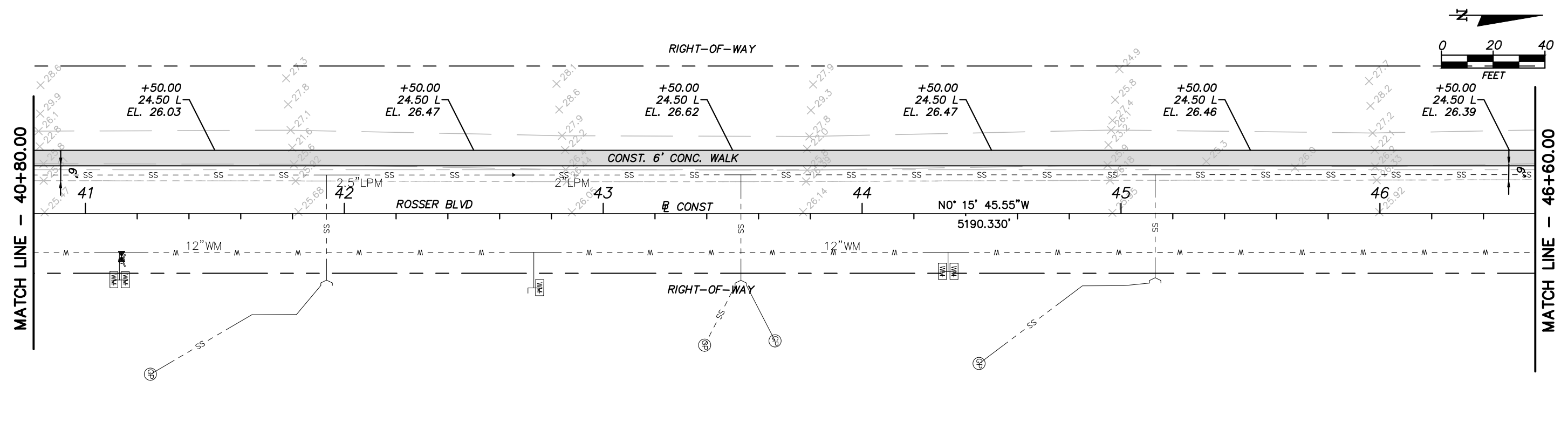
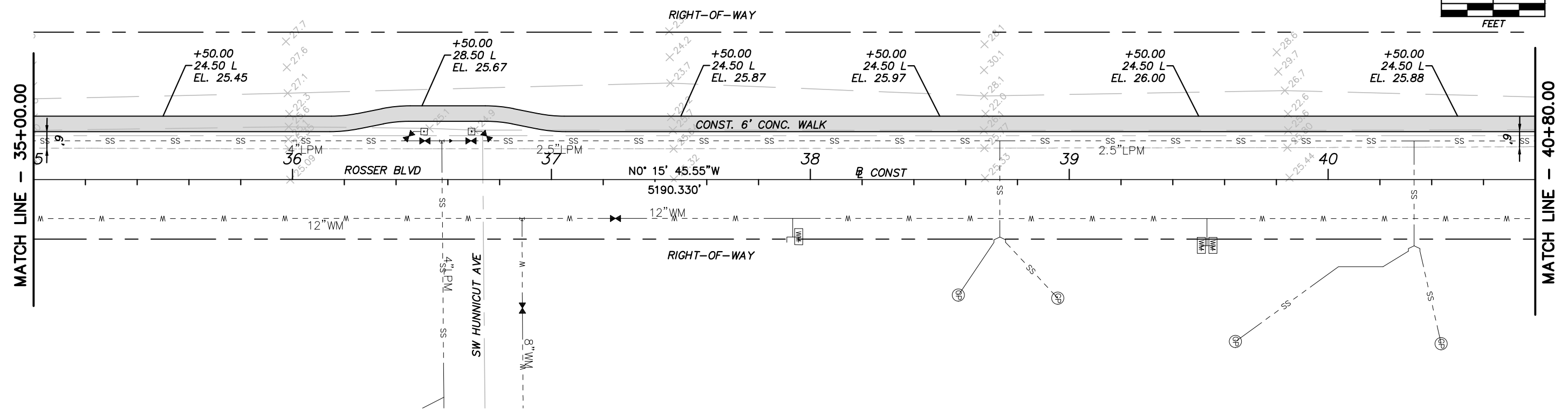
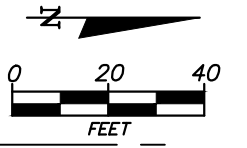
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CITY OF PORT ST. LUCIE	
PROJECT NAME SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	FINANCIAL PROJECT ID N/A

PLAN SHEETS

SHEET NO.  
**10**

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**LEGEND:**

- 4" THICK CONC. SIDEWALK
- DETECTIBLE WARNING PEDESTRIAN RAMPS
- 6" THICK CONC. SIDEWALK
- SWALE LINE

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REVISIONS					
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ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

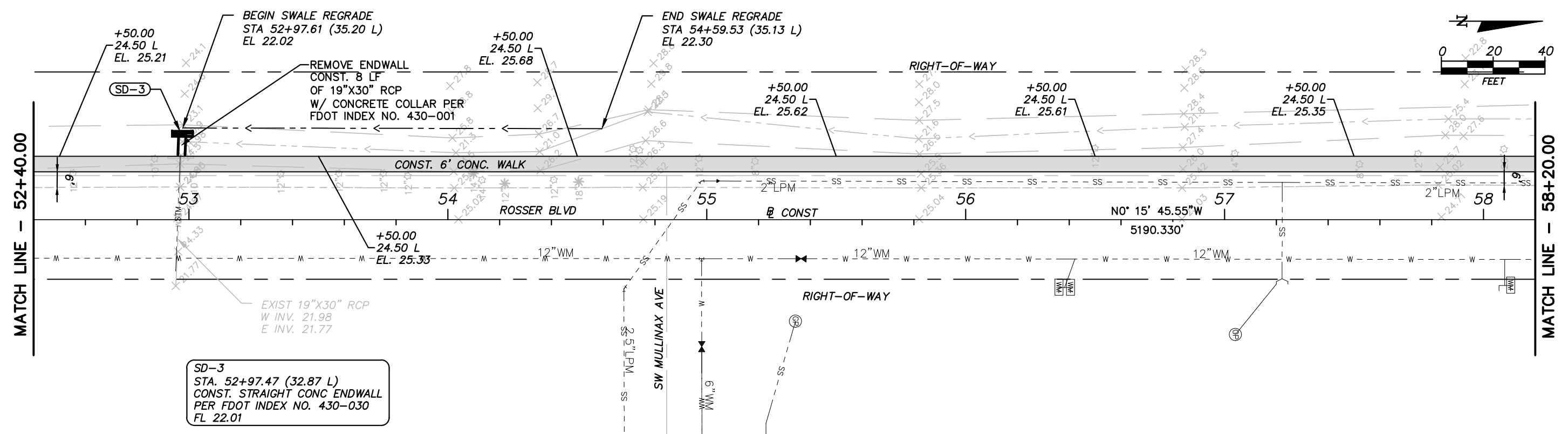
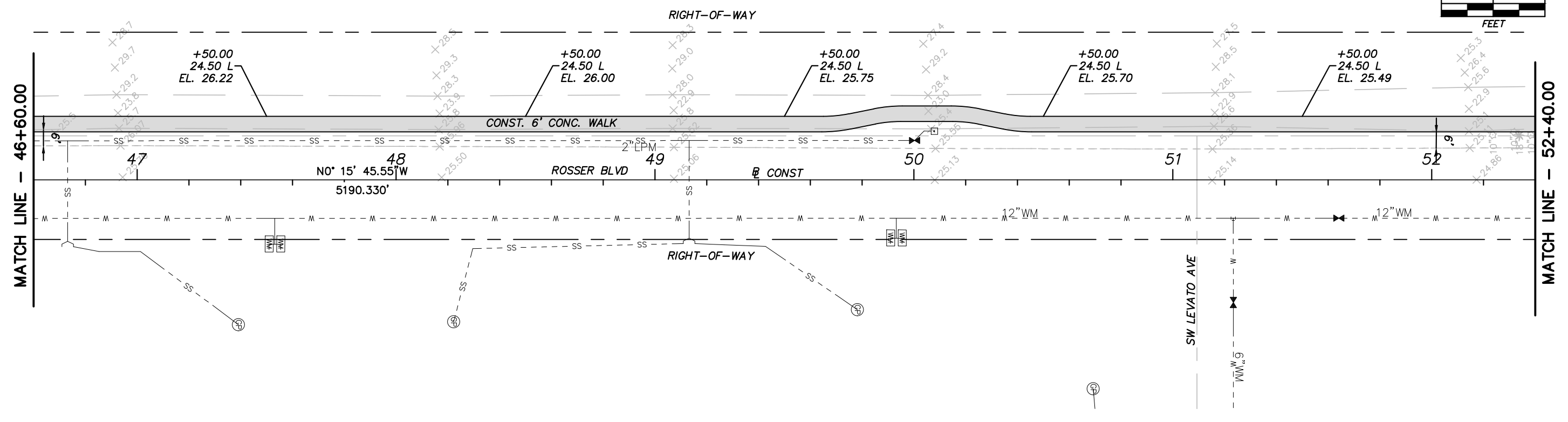
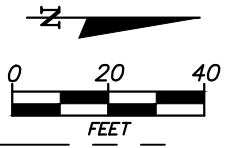
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CITY OF PORT ST. LUCIE	
PROJECT NAME SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	FINANCIAL PROJECT ID N/A

PLAN SHEETS

SHEET NO.  
**11**



SD-3  
 STA. 52+97.47 (32.87 L)  
 CONST. STRAIGHT CONC ENDWALL  
 PER FDOT INDEX NO. 430-030  
 FL 22.01

**LEGEND:**

- 4" THICK CONC. SIDEWALK
- DETECTIBLE WARNING PEDESTRIAN RAMPS
- 6" THICK CONC. SIDEWALK
- SWALE LINE

STEFAN K. MATTHES, P.E.  
 FL. REG. NO. 38723

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REVISIONS					
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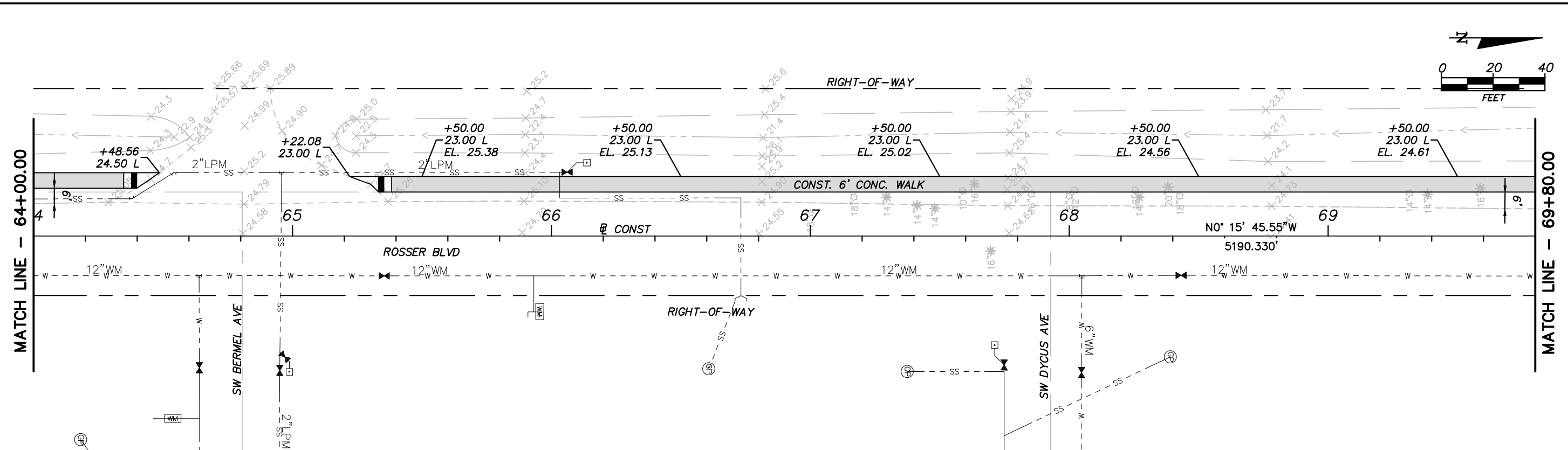
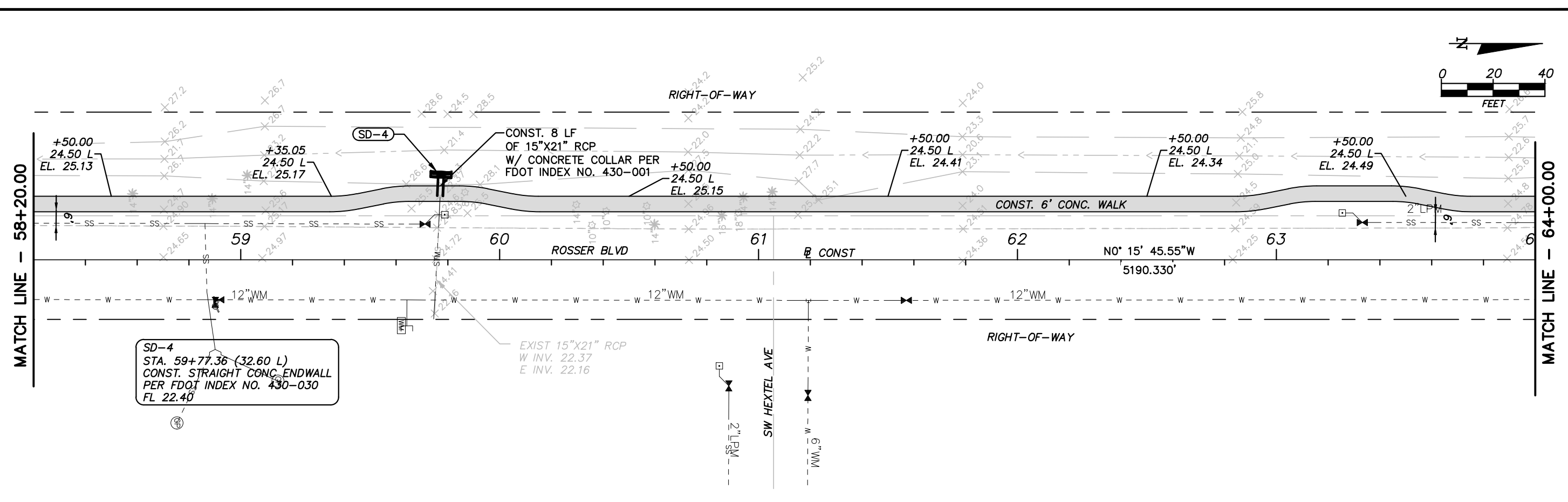
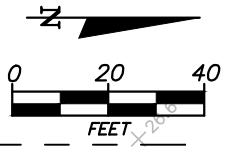
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CITY OF PORT ST. LUCIE	
PROJECT NAME SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	FINANCIAL PROJECT ID N/A

PLAN SHEETS

SHEET NO.  
12



**LEGEND:**

- 4" THICK CONC. SIDEWALK
- DETECTIBLE WARNING PEDESTRIAN RAMPS
- 6" THICK CONC. SIDEWALK
- SWALE LINE

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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REVISIONS					
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CITY OF PORT ST. LUCIE	
PROJECT NAME SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	FINANCIAL PROJECT ID N/A

PLAN SHEETS

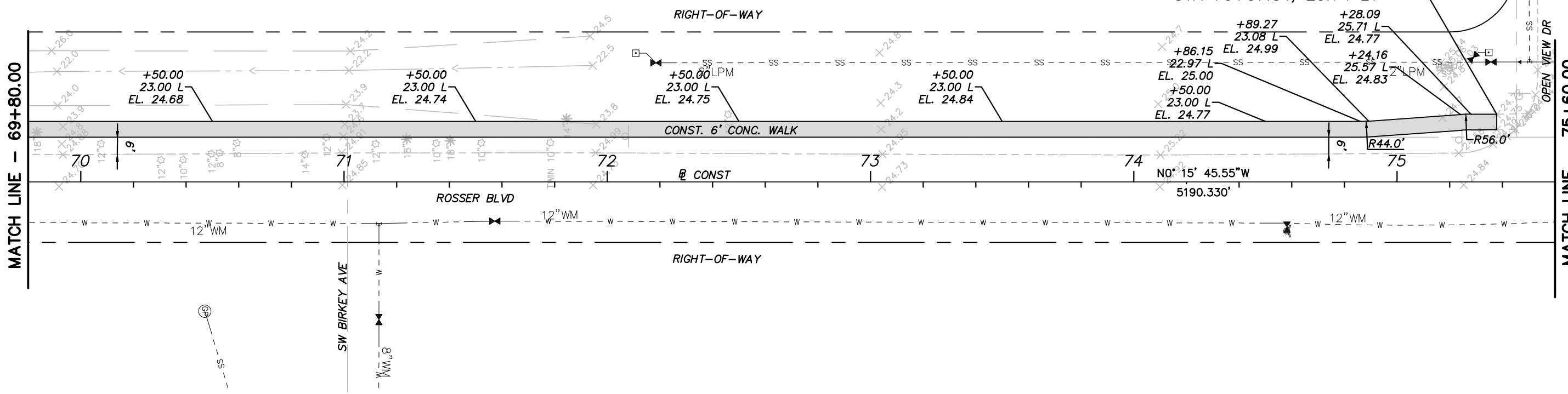
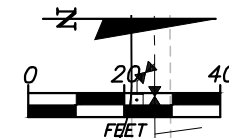
SHEET NO.  
**13**

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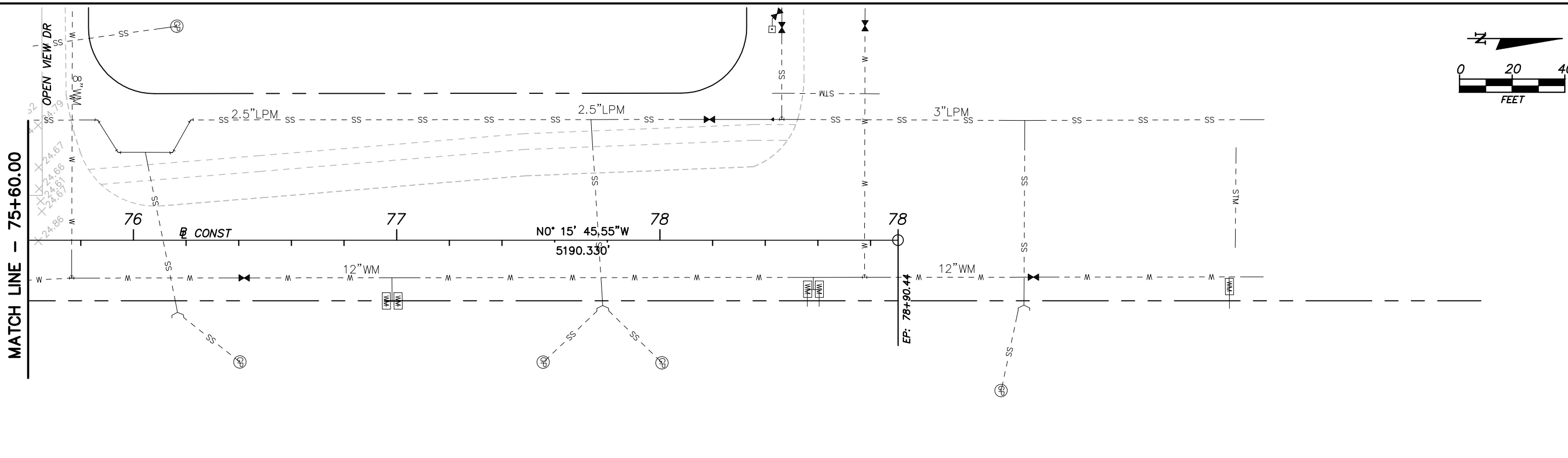
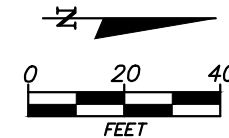
MATCH LINE - 69+80.00

MATCH LINE - 75+60.00

END PROJECT  
END SIDEWALK  
MATCH EXISTING  
STA 75+37.84, 25.74 LT



MATCH LINE - 75+60.00



LEGEND:

- 4" THICK CONC. SIDEWALK
- DETECTIBLE WARNING PEDESTRIAN RAMPS
- 6" THICK CONC. SIDEWALK
- SWALE LINE

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

PLAN SHEETS

SHEET NO.  
**14**

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:27 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

16+00.0

R/W LINE

CONST.

24.08

24.17

24.68

R/W LINE

30

25

20

15

80

60

40

20

0

20

40

60

80

14+00.0

R/W LINE

CONST.

23.98

24.07

24.33

R/W LINE

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS

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CITY OF PORT ST. LUCIE

PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.

15

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:27 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

20+00.0

35

30

25

20

15

R/W LINE

CONST.

3" LPM

25.89

25.80

25.35

35

30

25

20

15

80

60

40

20

0

20

40

60

80

18+00.0

35

30

25

20

15

R/W LINE

CONST.

3" LPM

24.38

24.47

24.66

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

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FL. REG. NO. 38723

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.
16



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35

30

25

20

80

60

40

20

0

20

40

60

80

CONST.

27.78

25.97

24+00.0

35

30

25

20

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00

35

30

25

20

15

80

60

40

20

0

20

40

60

80

CONST.

28.04

25.93

12"X18" PIPE

22+00.0

35

30

25

20

15

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

REVISIONS

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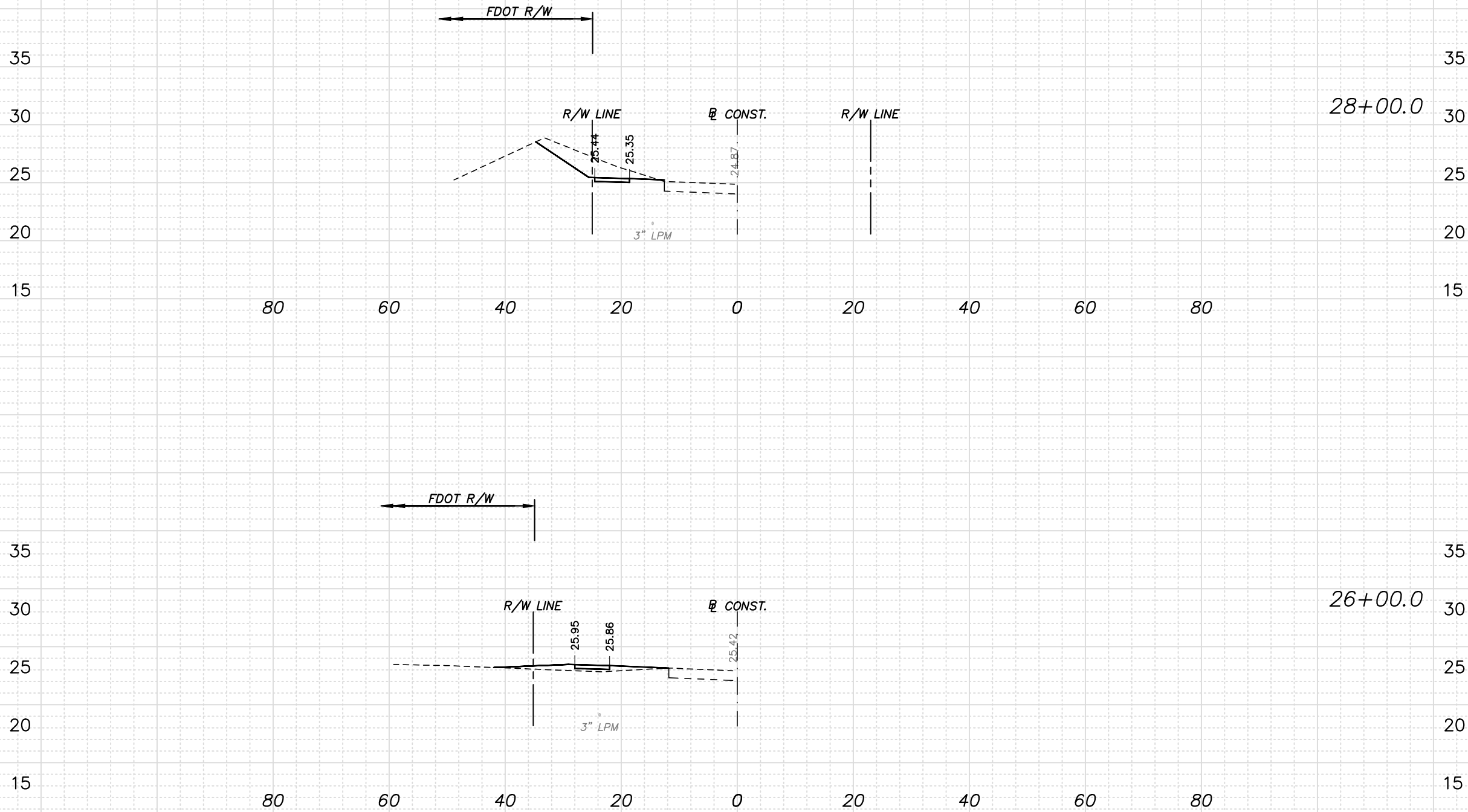
CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.

17

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28+00.0

26+00.0

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

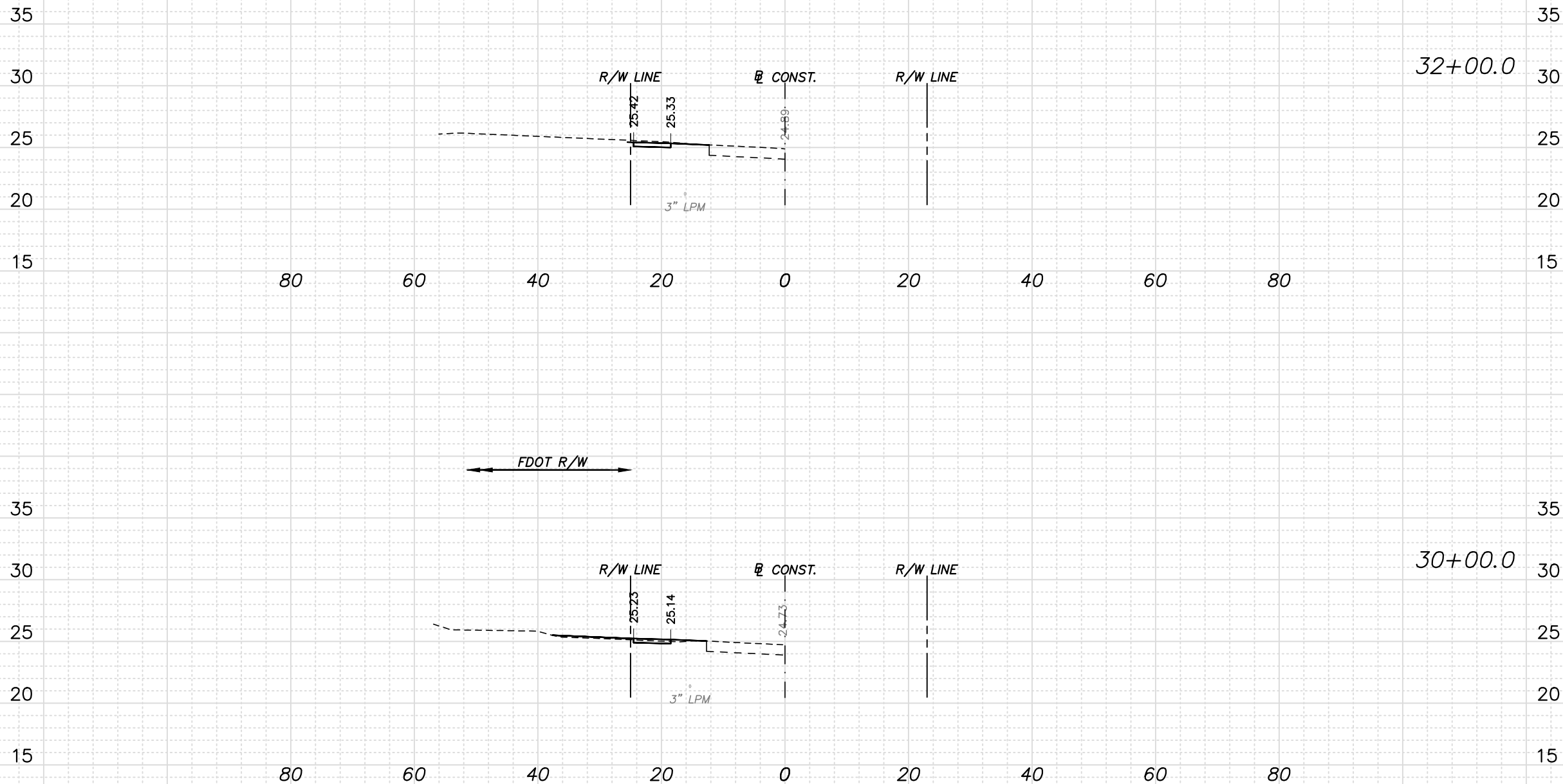
**CULPEPPER & TERPENING, INC**  
CONSULTING ENGINEERS | LAND SURVEYORS  
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981  
PHONE 772-464-3337 • FAX 772-464-9497 • WWW.C-T-ENG.COM  
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.  
18

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:53 AM



SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A (SF)	V (CY)	A (SF)	V (CY)	A (SF)	V (CY)
		3.12		0.03	
			15.91		7.09
		1.18		1.88	
			92.13		7.47

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098  
DESIGNED BY SKM 8-2-19 DRAWN BY ELB 8-5-19  
CHECKED BY SKM CHECKED BY SKM  
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.  
19

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

36+00.0

R/W LINE

CONST.

R/W LINE

25.58  
25.49  
3" LPM

35

30

25

20

15

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00

35

30

25

20

15

80

60

40

20

0

20

40

60

80

34+00.0

R/W LINE

CONST.

R/W LINE

25.38  
25.29  
3" LPM

35

30

25

20

15

		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	



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CITY OF PORT ST. LUCIE

PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.

20

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

40+00.0

35

30

25

20

15

R/W LINE

CONST.

R/W LINE

25.98

25.89

25.45

3" LPM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

38+00.0

35

30

25

20

15

R/W LINE

CONST.

R/W LINE

25.92

25.83

25.32

3" LPM

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS	
21	

SHEET NO.
21

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

44+00.0

R/W LINE

CONST.

R/W LINE

26.56

26.47

26.11

3" LPM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

42+00.0

R/W LINE

CONST.

R/W LINE

26.22

26.13

25.74

3" LPM

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098  
 DESIGNED BY SKM 8-2-19 DRAWN BY ELB 8-5-19  
 CHECKED BY SKM CHECKED BY SKM  
 ENGINEER OF RECORD:  
 STEFAN K. MATTHES, P.E. NO. 38723

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 STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.  
22

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

48+00.0

R/W LINE

CONST.

R/W LINE

26.18

26.09

25.53

2" LPM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

46+00.0

R/W LINE

CONST.

R/W LINE

26.53

26.44

25.92

3" LPM

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS	
23	

SHEET NO.
23

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

52+00.0

R/W LINE

CONST.

R/W LINE

25.36

25.27

24.91

2" LPM

35

30

25

20

15

0.00

0.00

0.00

0.00

35

30

25

20

15

80

60

40

20

0

20

40

60

80

50+00.0

R/W LINE

CONST.

R/W LINE

25.84

25.75

25.13

2" LPM

35

30

25

20

15

0.00

0.00

0.00

0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
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CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE

PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.

24



P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

56+00.0

R/W LINE

CONST.

R/W LINE

2" LPM

25.58

25.49

25.04

35

30

25

20

15

80

60

40

20

0

20

40

60

80

54+00.0

R/W LINE

CONST.

R/W LINE

2" LPM

22.20

25.57

25.48

25.02

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

**CULPEPPER & TERPENING, INC**  
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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS	
25	

SHEET NO.
25

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35  
30  
25  
20  
15

80

R/W LINE

60

40

25.12

25.03

2" LPM

20

CONST.

24.67

20

R/W LINE

40

60

80

60+00.0

35  
30  
25  
20  
15

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00

35  
30  
25  
20  
15

80

R/W LINE

60

40

25.19

25.10

2" LPM

20

CONST.

24.70

20

R/W LINE

40

60

80

58+00.0

35  
30  
25  
20  
15

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	



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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE

PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.  
26

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

R/W LINE

CONST.

R/W LINE

24.64

24.73

24.52

2" LPM

64+00.0

35

30

25

20

15

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00

30

25

20

15

80

60

40

20

0

20

40

60

80

R/W LINE

CONST.

R/W LINE

24.30

24.39

24.34

2" LPM

62+00.0

30

25

20

15

		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	



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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE

PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.

27

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:28 AM

35

30

25

20

15

80

60

40

20

0

20

40

60

80

68+00.0

R/W LINE

CONST.

R/W LINE

24.99

24.90

24.57

35

30

25

20

15

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00

35

30

25

20

15

80

60

40

20

0

20

40

60

80

66+00.0

R/W LINE

CONST.

R/W LINE

25.23

25.14

24.69

35

30

25

20

15

		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098  
 DESIGNED BY SKM 8-2-19  
 DRAWN BY ELB 8-5-19  
 CHECKED BY SKM  
 CHECKED BY SKM  
 ENGINEER OF RECORD:  
 STEFAN K. MATTHES, P.E. NO. 38723



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 STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE

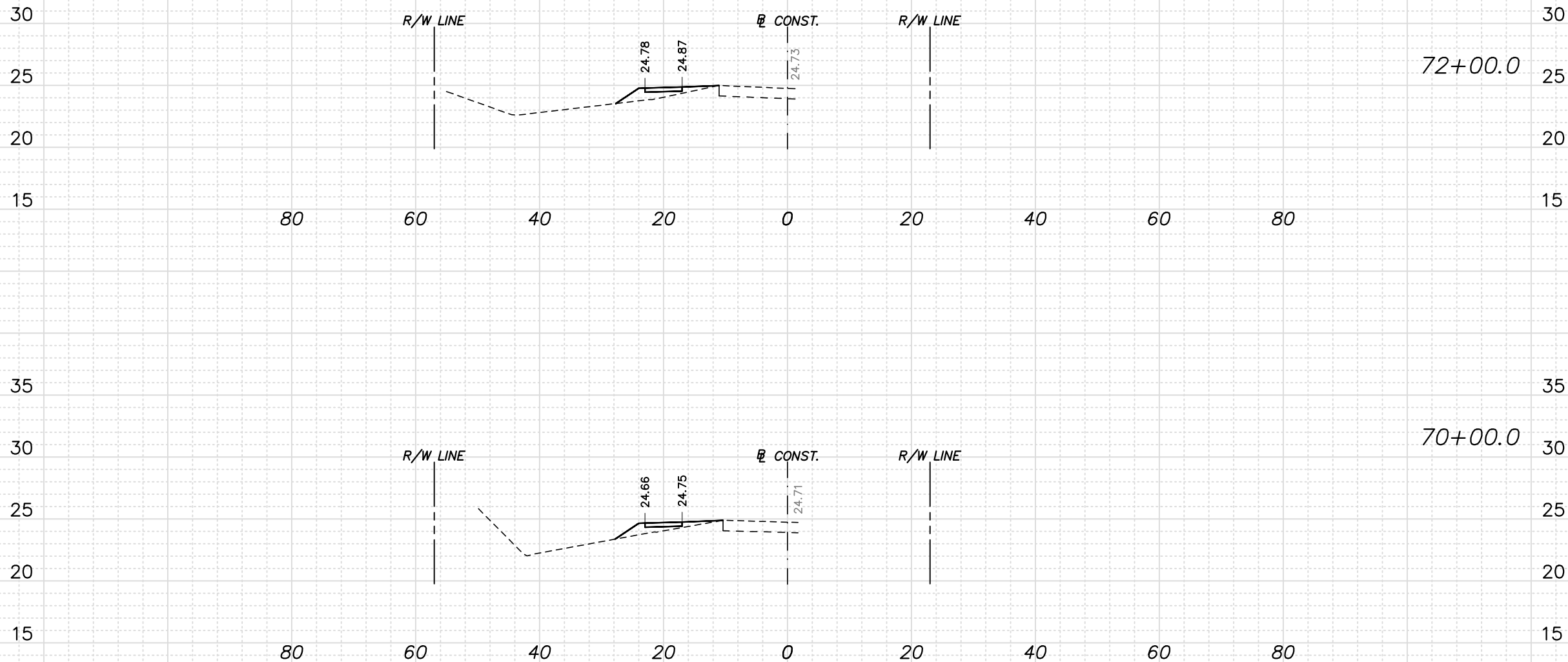
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.

28

P:\Proj-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:29 AM



SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		0.00		0.00	
			0.00		0.00
		0.00		0.00	
			0.00		0.00

H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098  
DESIGNED BY SKM 8-2-19 DRAWN BY ELB 8-5-19  
CHECKED BY SKM CHECKED BY SKM  
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723

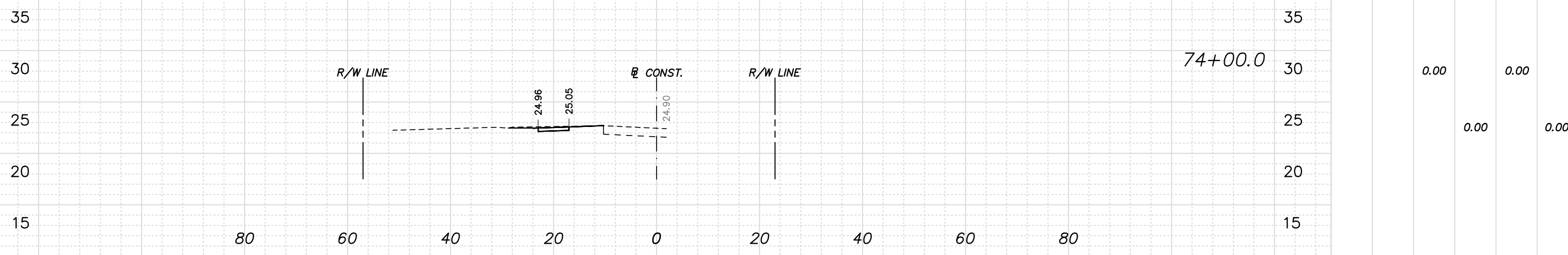
**CULPEPPER & TERPENING, INC**  
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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.  
29

SUBSOIL EXC.		REGULAR EXC.		EMBK.	
A	V	A	V	A	V
(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
		<u>TOTAL</u> <u>REGULAR</u> <u>EXCAVATION</u> 1800 CY		<u>TOTAL</u> <u>REGULAR</u> <u>EMBANKMENT</u> 3050 CY	



H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

P:\Prof-2019\19-098 Rosser Blvd Sidewalk\Eng\19-098 BASE.dwg 10/20/2020 10:29 AM

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	



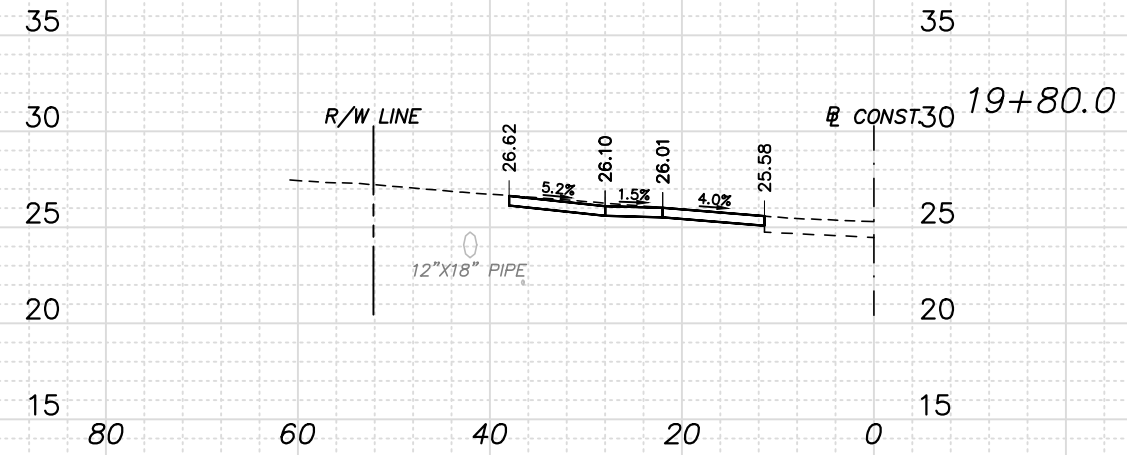
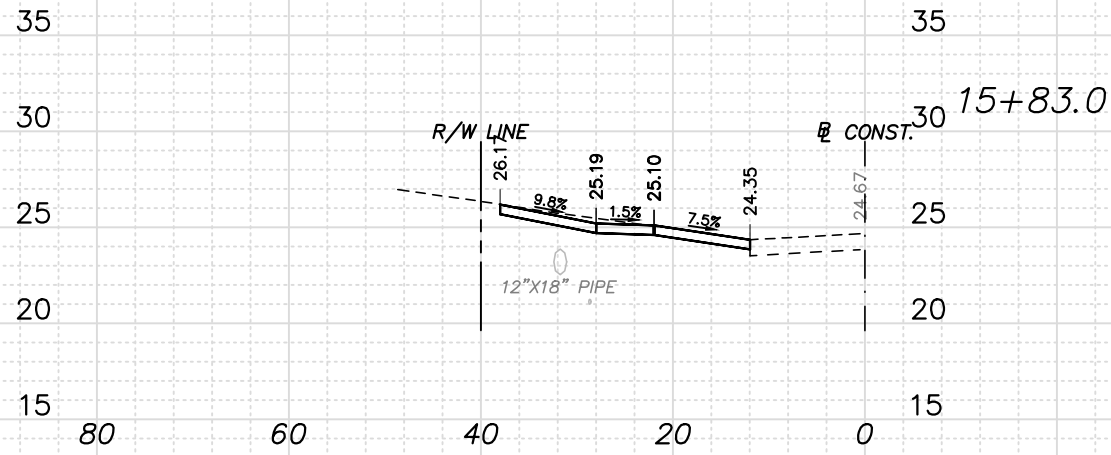
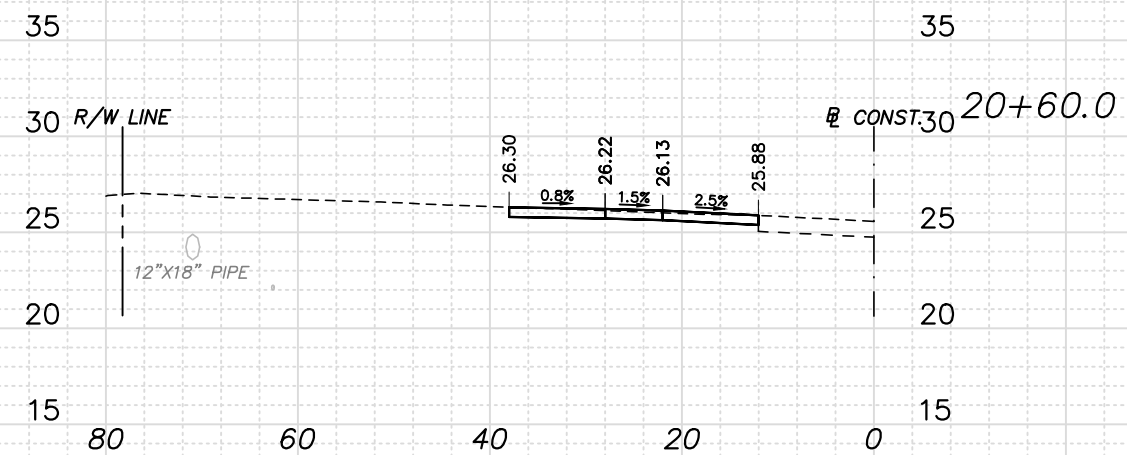
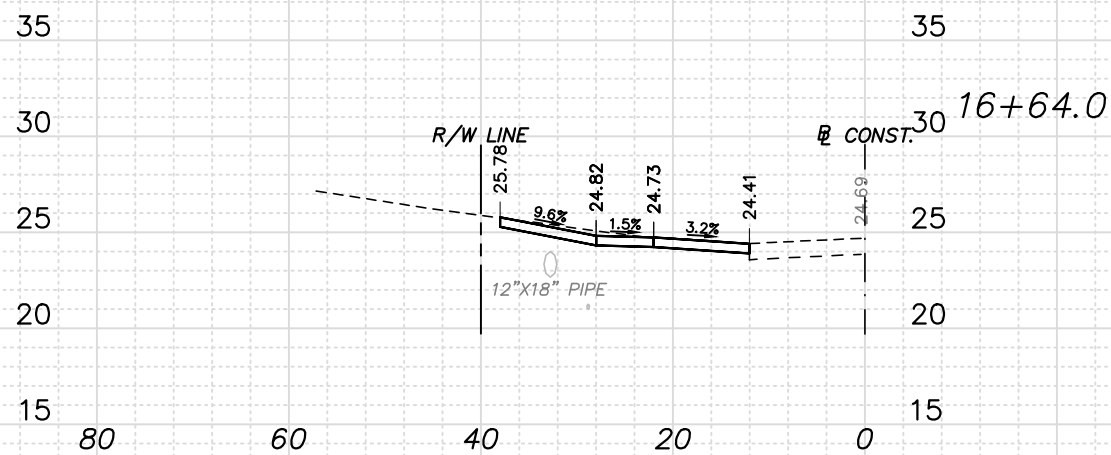
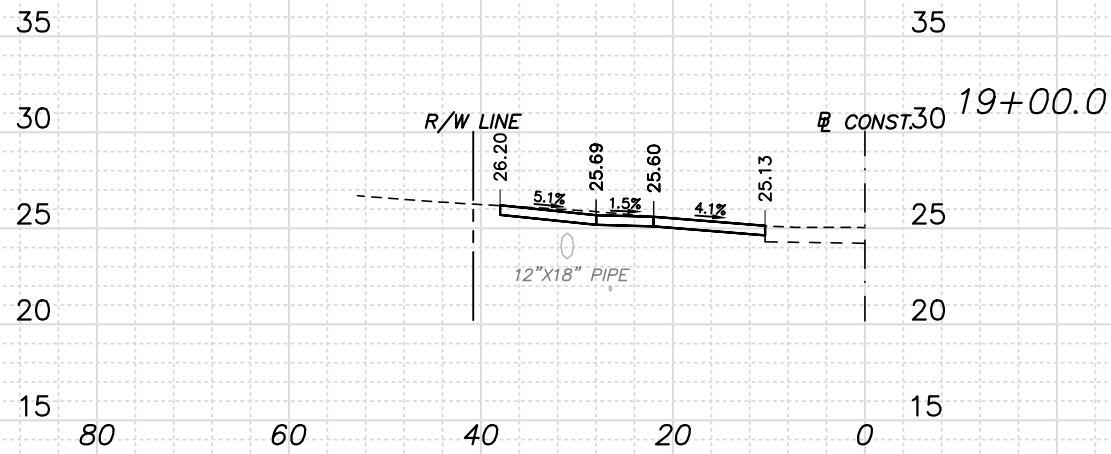
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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

CROSS SECTIONS

SHEET NO.  
30

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H. SCALE: 1" = 20'  
V. SCALE: 1" = 10'

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

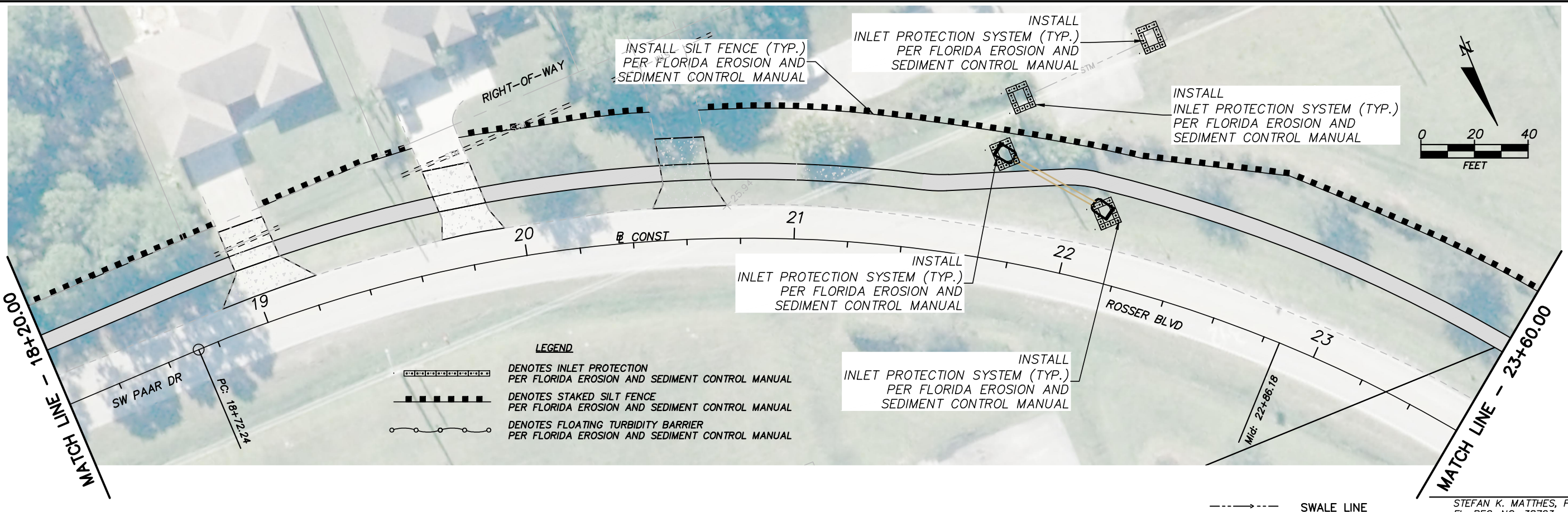
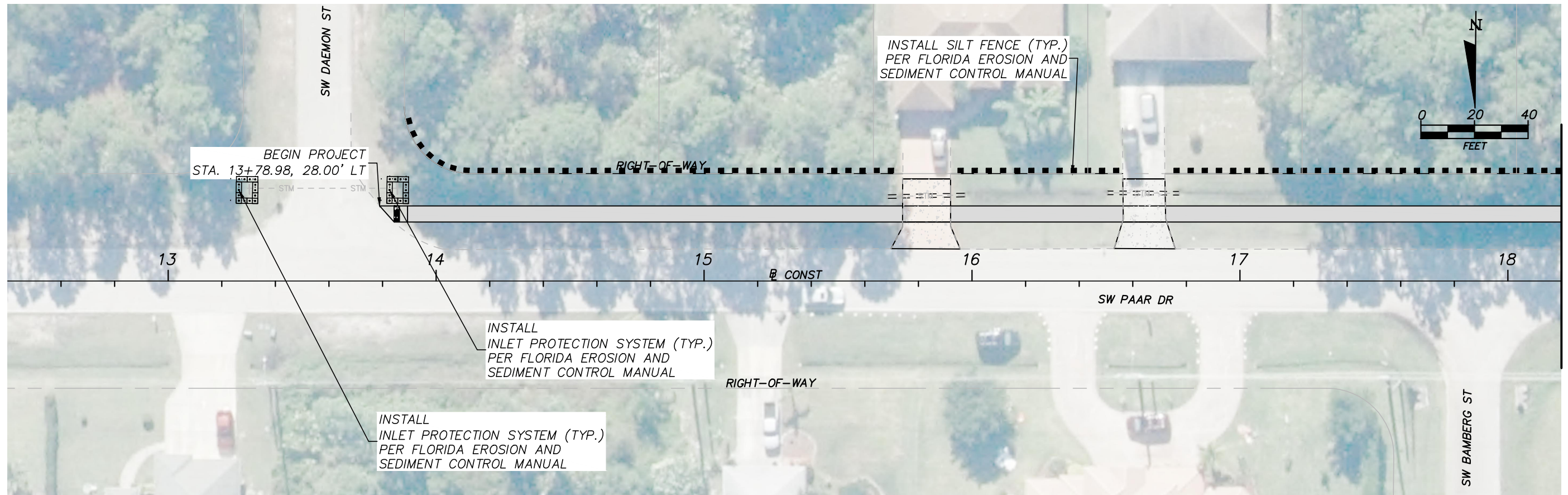
C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ELB 8-5-19
CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

DRIVEWAY PROFILES

SHEET NO.  
31



**LEGEND**

	DENOTES INLET PROTECTION PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL
	DENOTES STAKED SILT FENCE PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL
	DENOTES FLOATING TURBIDITY BARRIER PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL

STEFAN K. MATTHES, P.E.  
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098	
DESIGNED BY SKM 8-2-19	DRAWN BY ZM 3-17-20
CHECKED BY SKM	CHECKED BY SKM
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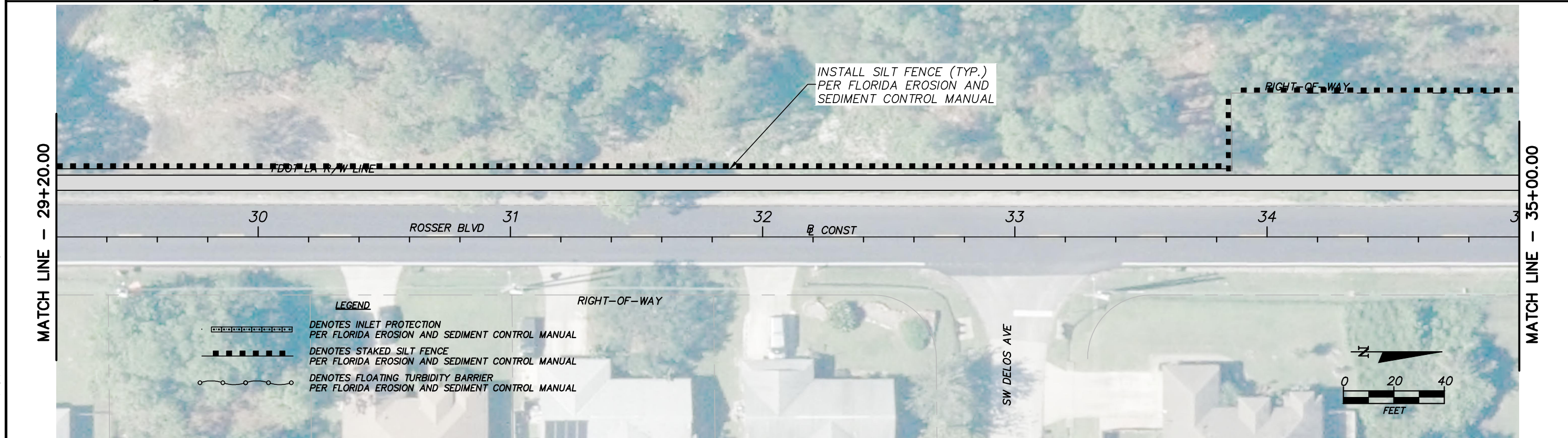
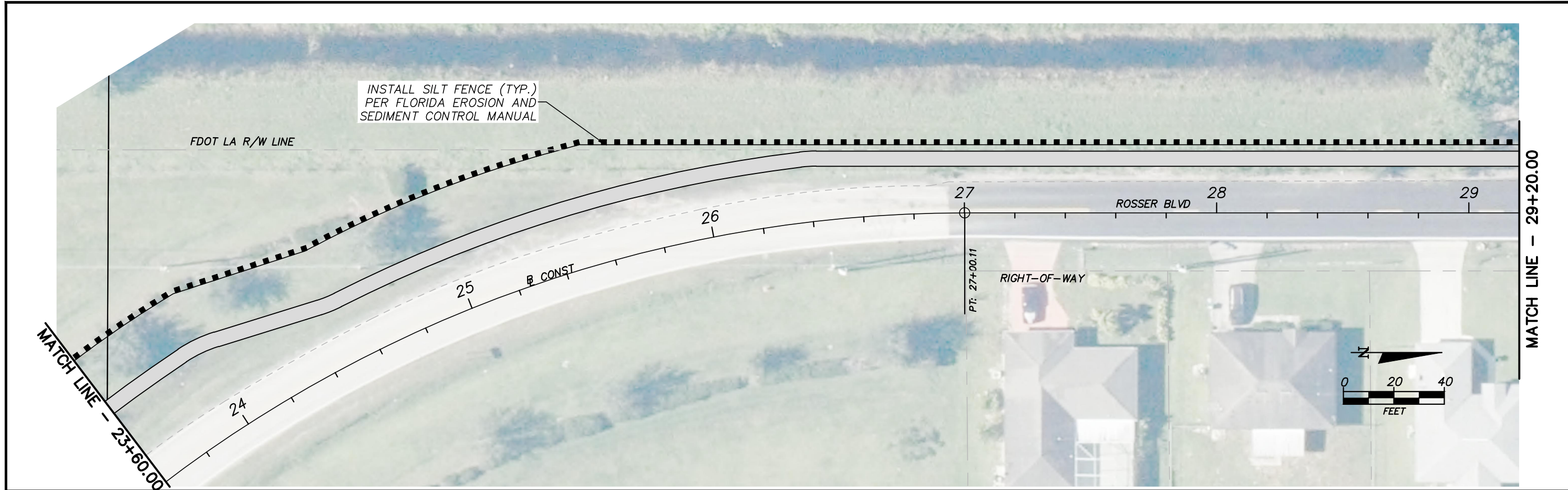
CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.	32
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**LEGEND**

	DENOTES INLET PROTECTION PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL
	DENOTES STAKED SILT FENCE PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL
	DENOTES FLOATING TURBIDITY BARRIER PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL

----- SWALE LINE  
 STEFAN K. MATTHES, P.E.  
 FL. REG. NO. 38723

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

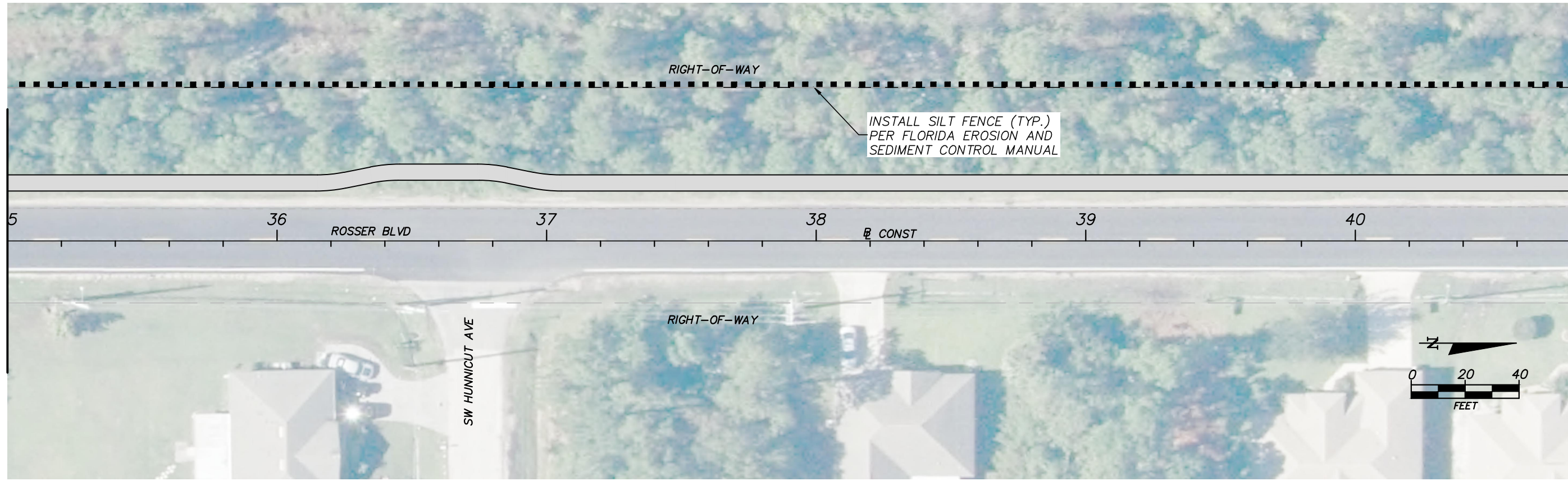
STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.
33

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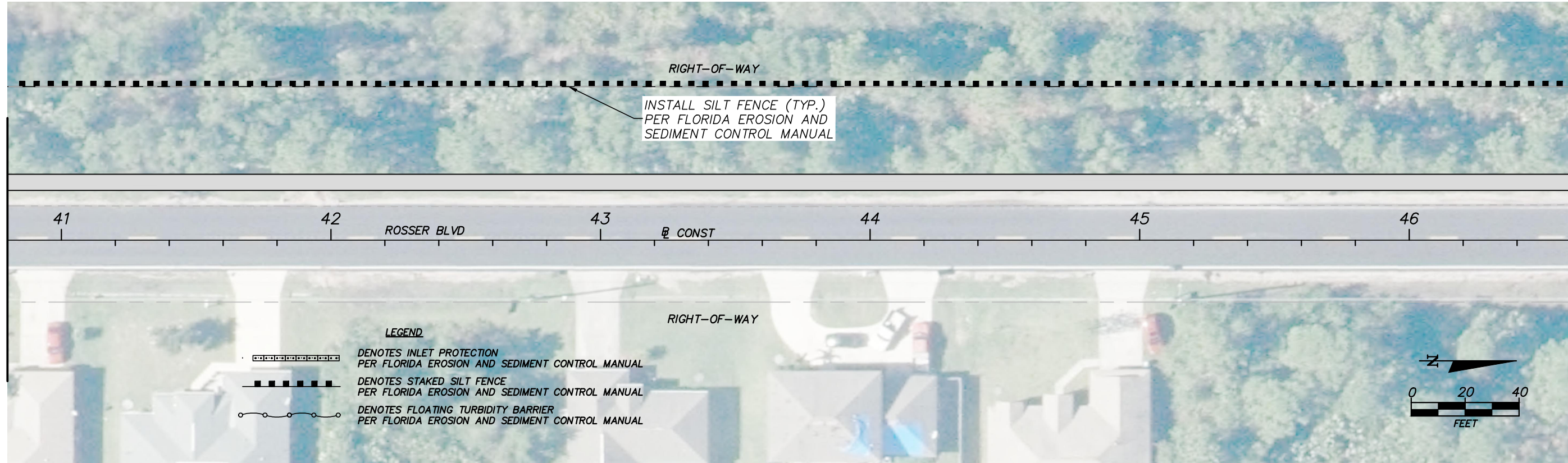
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MATCH LINE - 40+80.00



MATCH LINE - 40+80.00

MATCH LINE - 46+60.00



----- SWALE LINE

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

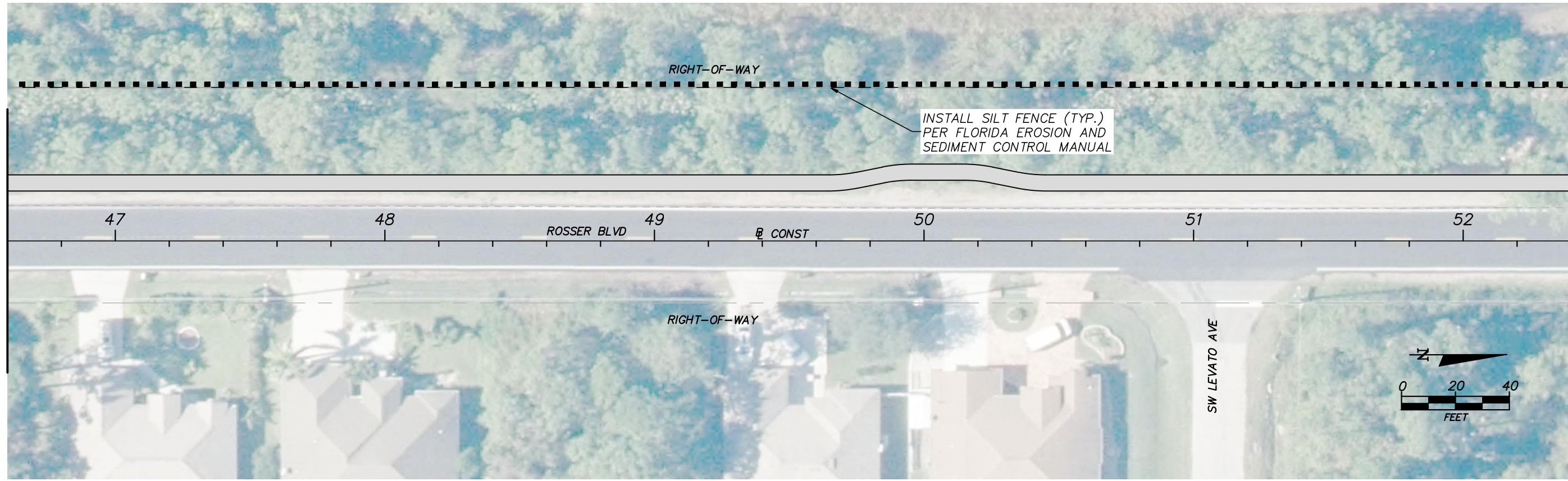
STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.  
34

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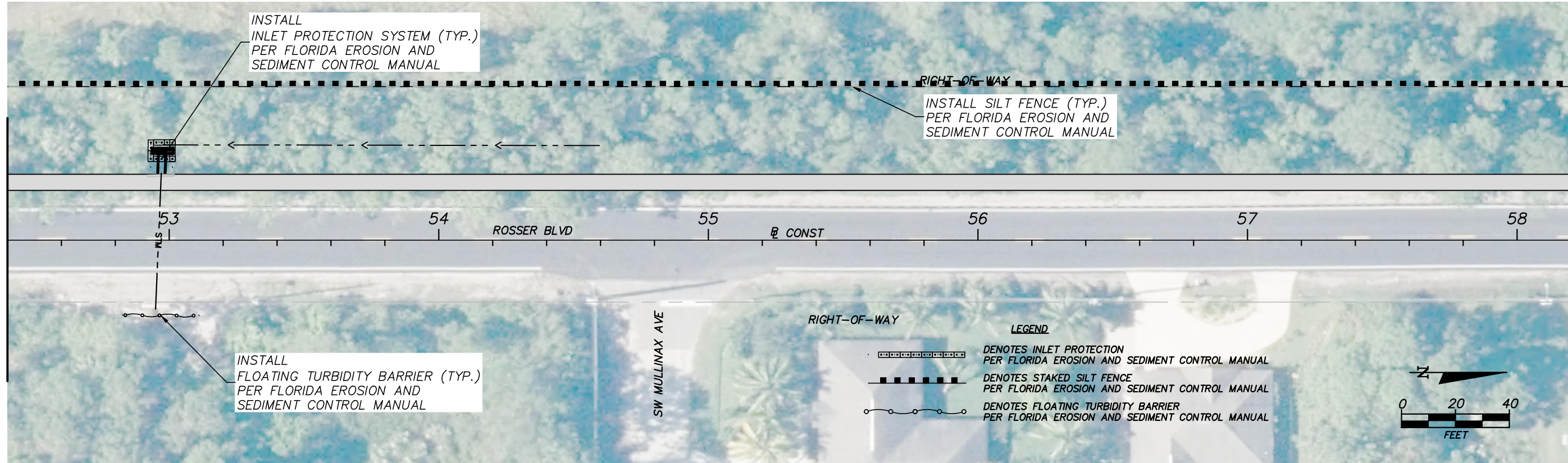
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MATCH LINE - 52+40.00



MATCH LINE - 52+40.00

MATCH LINE - 58+20.00



----- SWALE LINE

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FL. REG. NO. 38723

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

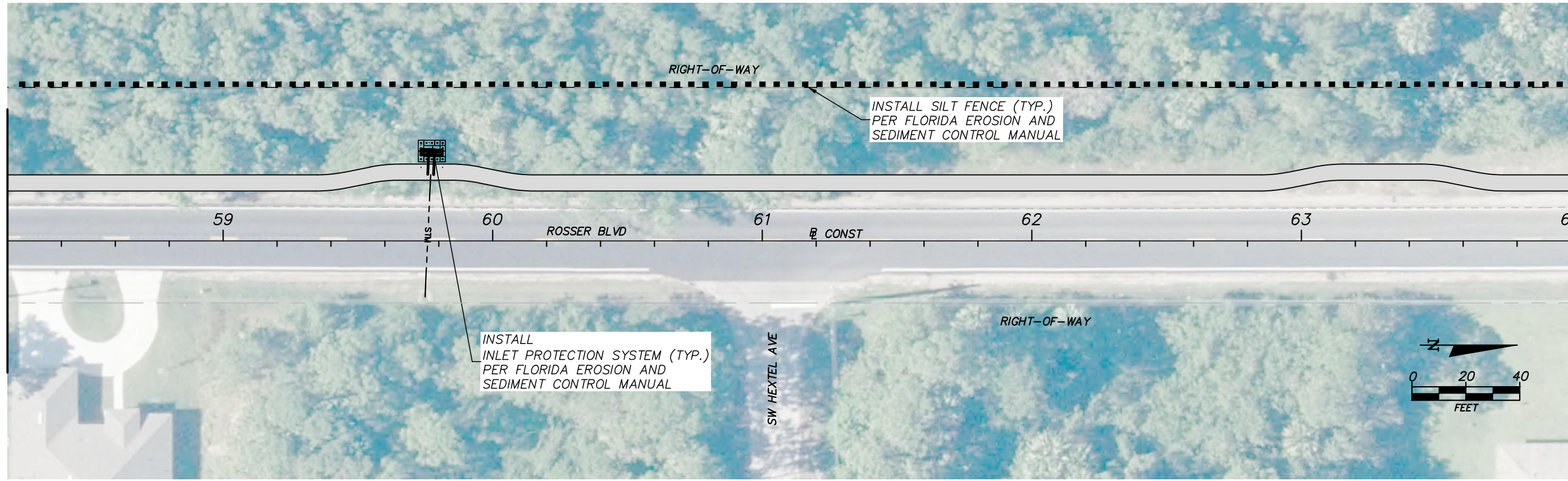
STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.  
35

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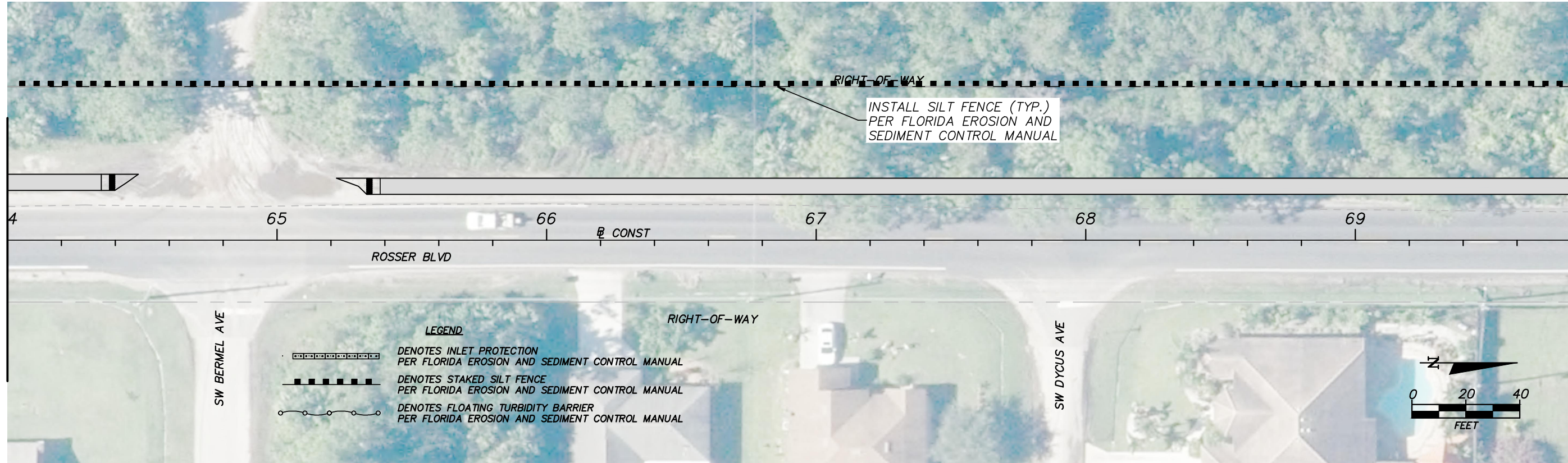
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MATCH LINE - 64+00.00



MATCH LINE - 64+00.00

MATCH LINE - 69+80.00



----- SWALE LINE

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FL. REG. NO. 38723

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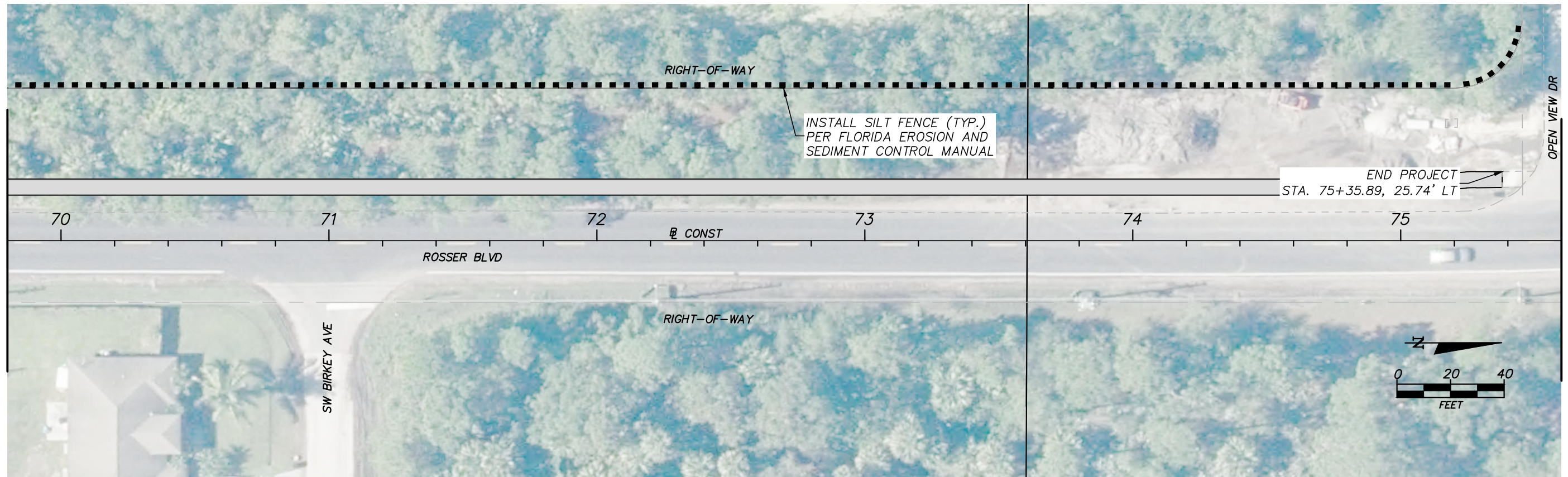
CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.  
36

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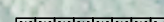


MATCH LINE - 69+80.00



MATCH LINE - 75+60.00

MATCH LINE - 75+60.00



**LEGEND**  
 DENOTES INLET PROTECTION PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL  
 DENOTES STAKED SILT FENCE PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL  
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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.  
37

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS THE CONSTRUCTION OF A 6-FOOT SIDEWALK TO ENHANCE THE SAFETY OF ROSSER BOULEVARD.

THE PROJECT ALSO INVOLVES MINOR DRAINAGE IMPROVEMENTS.

THE LIMITS OF THE PROJECT INCLUDE:

SIDEWALK CONSTRUCTION:  
ROSSER BOULEVARD FROM SW DAEMON ST TO OPEN VIEW DRIVE.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW. UNLESS THE CONTRACTOR PROPOSES A DIFFERENCE SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

SILT FENCE AND FLOATING TURBIDITY BARRIER IS TO BE PLACED ONLY WITHIN THE RIGHT-OF-WAY. SILT FENCE PLACEMENT, STAKING AND TRENCHING SHALL BE COORDINATED TO MINIMIZE IMPACT TO NATIVE VEGETATION AND TREES TO REMAIN. CONTRACTOR TO PROVIDE SERVICE OF CERTIFIED ARBORIST IN AREAS WHERE POTENTIAL DAMAGE TO ROOT SYSTEMS OF MATURE TREES MAY OCCUR.

1. CLEARING AND GRUBBING, EARTHWORK AND EXCAVATION OF OPEN SWALES. REMOVE EXISTING UNWANTED SOILS, CONCRETE AND STORM DRAIN FACILITIES AND PROPERLY DISPOSE THE MATERIALS.
2. INSTALLATION OF STORM DRAIN FACILITIES AS CALLED FOR IN THE PLANS.
3. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF THE SIDEWALK.
4. STABILIZE AND SOD THE UNPAVED PROJECT AREA AS CALLED FOR IN THE PLANS

1.C. AREA ESTIMATED

TOTAL SITE AREA: 5.70 ± AC  
TOTAL AREA TO BE DISTURBED: 3.60 ± AC

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:  
BEFORE: 0.3  
DURING: VARIES FROM 0.3 TO 0.7  
AFTER: 0.4

OUTFALL INFORMATION:

ALL DRAINAGE PATTERNS ARE TO BE MAINTAINED. ALL DRAINAGE WILL FLOW VIA CULVERTS AND OPEN SWALES TO EXISTING CITY OF PORT ST. LUCIE DRAINAGE RIGHT-OF-WAY.

SURFACE WATERS: N/A

DISCHARGE POINTS TO SURFACE WATERS:

THE DISCHARGE POINT TO THE CITY OF PORT ST. LUCIE DRAINAGE RIGHT-OF-WAY ARE VIA EXISTING CROSS PIPES.

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

- APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTIONS SHEETS AND THE PLAN SHEETS.

- AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS, AND THE CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

- AREAS NOT TO BE DISTURBED: THE AREAS TO NOT TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS, AND THE CROSS SECTION SHEETS.

- LOCATION OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.

- LOCATION OF PERMANENT CONTROLS: NOT APPLICABLE

- AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

1.F. RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES.

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINE IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATIONS, CHANGES IN CONSTRUCTION ACTIVITY, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT MILLED MATERIAL FROM ENTERING THE DRAINAGE SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING INLETS CLEAR OF PAVING MATERIAL, SILT, LIME-ROCK, AND DEBRIS DURING THE CONSTRUCTION AT NO ADDITIONAL COST.

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CLOSED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY ENGINEER.

TEMPORARY:

-ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATIONS SECTION 104.

- TURF AND SOD IN ACCORDANCE WITH SPECIFICATIONS SECTION 104.

PERMANENT:

-ASPHALT OR CONCRETE SURFACE.

-PERFORMANCE TURF IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL 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 SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

- SEDIMENT BARRIERS IN ACCORDANCE WITH FLORIDA EROSION & SEDIMENT CONTROL MANUAL.

- INLET PROTECTION IN ACCORDANCE WITH FLORIDA EROSION & SEDIMENT CONTROL MANUAL.

PERMANENT:

- SOD.

2.B STORMWATER MANAGEMENT:

RUNOFF WILL BE DIRECTED TO THE PROPOSED OPEN SWALE AND CLOSED CONDUIT STORM DRAINAGE SYSTEM. THE STORMWATER WILL FLOW THOUGH THE INFRASTRUCTURE AND DISCHARGE INTO THE VARIOUS OUTFALLS AS DESCRIBED IN SECTION 1.D.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

- DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

- DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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REVISIONS						C&T JOB NO. 19-098		CITY OF PORT ST. LUCIE		STORM WATER POLLUTION PREVENTION PLAN	SHEET NO. 38
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY SKM 8-2-19	DRAWN BY ZM 3-17-20	PROJECT NAME	FINANCIAL PROJECT ID		
						CHECKED BY SKM	CHECKED BY SKM	SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A		
						ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723		 <b>CULPEPPER &amp; TERPENING, INC.</b> CONSULTING ENGINEERS   LAND SURVEYORS 2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981 PHONE 772-464-3337 • FAX 772-464-9497 • www.cti-eng.com STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286			

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

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

- COVERING LOADED HAUL TRUCKS WITH TARPULINS.
- REMOVING EXCESS DIRT FROM ROADS DAILY.
- STABILIZED CONSTRUCTION ENTRANCES ACCORDING TO FLORIDA EROSION & SEDIMENT CONTROL MANUAL.
- USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATION FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THE ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS:

- THE PROJECT IS CURRENTLY UNDER REVIEW.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

- SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS OR AS NECESSARY.
- SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

- POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.
- DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- STRUCTURAL CONTROLS.
- STORMWATER MANAGEMENT SYSTEMS.
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZED EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT THE CITY OF PORT ST. LUCIE WATER QUALITY DIVISION, DALE MAJEWSKI (772)871-5177.

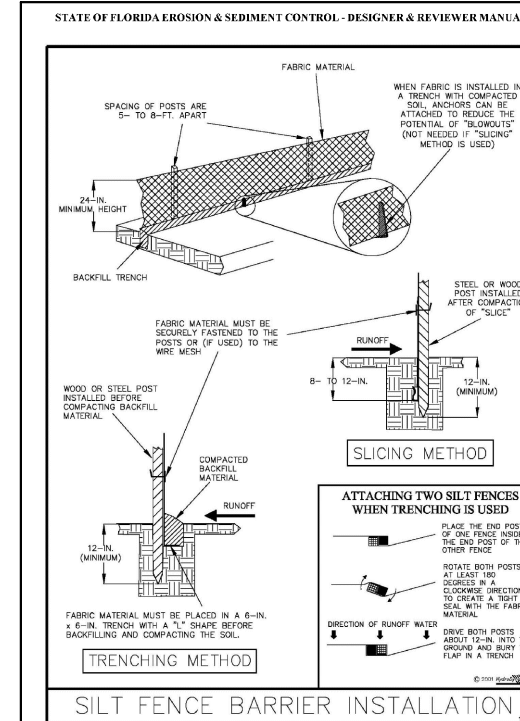


Figure V-40: Illustration of a Silt Fence Barrier

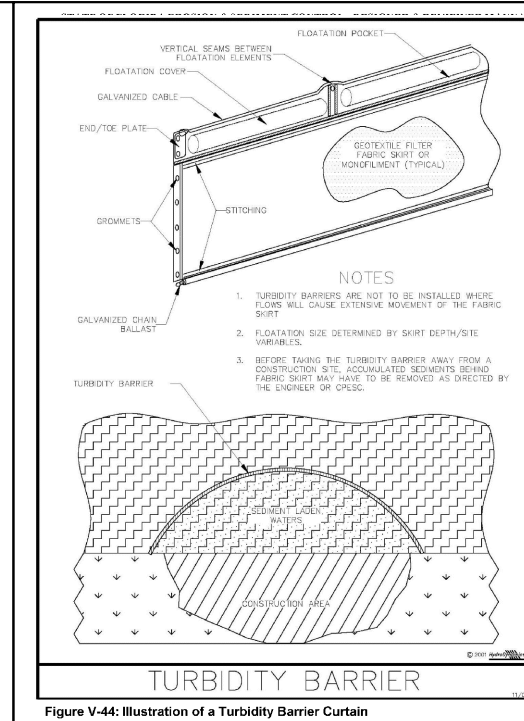


Figure V-44: Illustration of a Turbidity Barrier Curtain

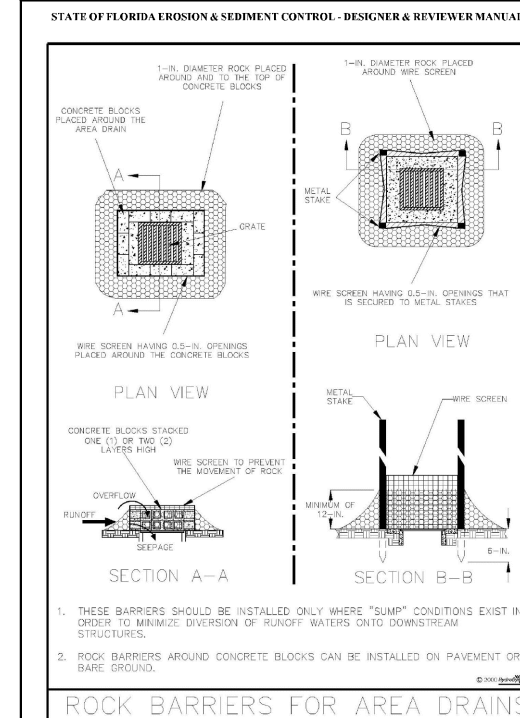


Figure V-46: Illustration of Rock Barriers around Area Drains

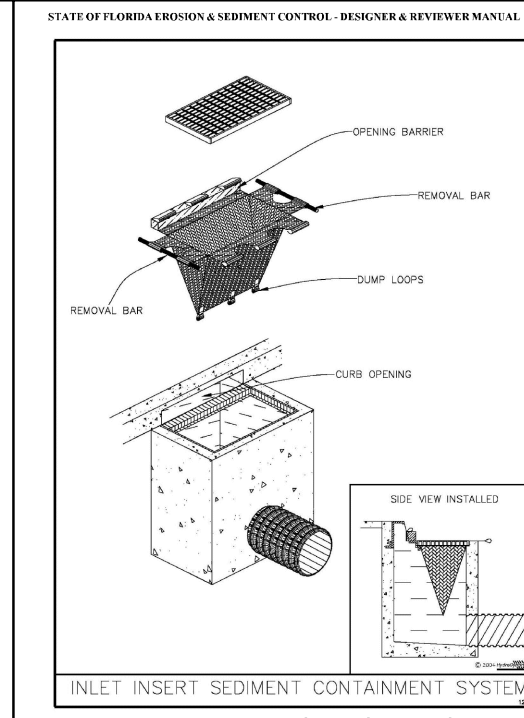


Figure V-51: Illustration of an Inlet Insert Sediment Containment System

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098

DESIGNED BY SKM 8-2-19      DRAWN BY ZM 3-17-20

CHECKED BY SKM      CHECKED BY SKM

ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.	39
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TRAFFIC CONTROL PLAN – GENERAL NOTES

1. ALL EXISTING PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS WHICH ARE DISTURBED OR REMOVED DUE TO TEMPORARY DETOURS AND/OR CONSTRUCTION OPERATIONS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT DESIGN STANDARDS, INDEX NO. 17346 AND 17352 AT NO ADDITIONAL COST TO THE CONTRACT.

2. WRITTEN NOTIFICATION TO CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT OF PROPOSED LANE CLOSURE OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 30 WORKING DAYS IN ADVANCE OF CLOSURE OR DETOUR. TWO WEEKS BEFORE LANE CLOSURES, THE CONTRACTOR SHALL THEN CONTACT:

CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT  
121 SW PORT ST. LUCIE BLVD.  
PORT ST. LUCIE, FL 34984  
PHONE: (772) 871-5177

LANE CLOSING SHALL BE COORDINATED WITH SPECIAL EVENTS AND HOLIDAYS WHICH WOULD IMPACT TRAFFIC FLOW, ARROW PANELS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED AT NO ADDITIONAL COST FOR LANE CLOSURE.

3. THE PROVISIONS FOR TRAFFIC DISRUPTIONS WHICH ARE NOT ANTICIPATED IN THE TRAFFIC CONTROL PLAN, BUT WHICH ARE NECESSARY TO CONSTRUCT THE PROJECT, SHALL BE SUBMITTED IN WRITING TO THE ENGINEER AND APPROVAL SHALL BE OBTAINED 30 DAYS PRIOR TO THE COMMENCEMENT OF WORK. SUBMITTAL MATERIALS SHALL INCLUDE SKETCHES, CALCULATIONS, AND OTHER DATA REQUIRED BY THE ENGINEER.

4. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE CITY OF PORT ST. LUCIE TRAFFIC OPERATIONS ENGINEER TO MODIFY CHANNELIZATIONS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE TRAFFIC OPERATIONS ENGINEER WITHOUT DELAY.

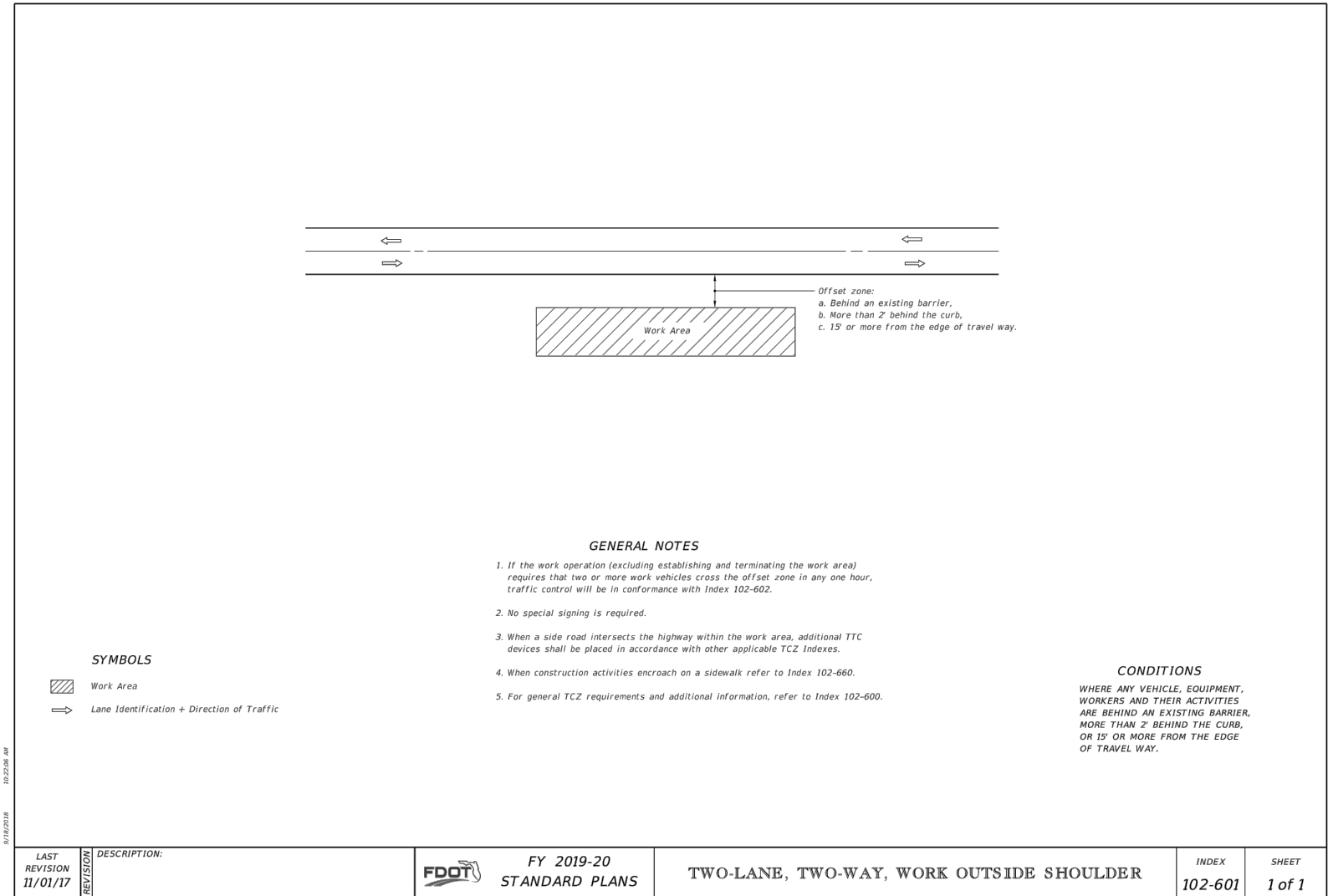
5. THE CONTRACTOR SHALL COORDINATE ALL TEMPORARY DRIVEWAYS AND SIDE STREET CLOSURES WITH BUSINESS AND PROPERTY OWNERS. ACCESS TO ADJACENT BUSINESSES AND PROPERTY SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY DRIVEWAY CONNECTIONS MAY BE CONSTRUCTED USING RAP (RECYCLED ASPHALT PAVEMENT) MATERIAL.

6. THE LENGTH OF OPEN TRENCH SHALL NOT EXCEED 450 FEET. ALL TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING AT PROPERTY ACCESS POINTS BY THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE.

7. THE CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION AT ALL TIMES BY USING EXISTING, PROPOSED AND TEMPORARY DRAINAGE SYSTEMS. THE COST OF FLUSHING, INSTALLING AND REMOVAL OF THE TEMPORARY DRAINAGE SYSTEMS SHALL BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

8. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING UTILITY SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. REFER TO THE GENERAL NOTES ON THE SUMMARY OF PAY ITEMS FOR THE APPROPRIATE UTILITY CONTACT INFORMATION.

9. THE CONTRACTOR SHALL PLACE VIDEO MESSAGE BOARDS IN COMPLIANCE WITH FDOT 2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 990-3 PRIOR TO CONSTRUCTION AND TO ACCOMMODATE ANY SHIFTS OR CHANGES IN TRAFFIC PATTERNS.



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REVISIONS						C&T JOB NO. 19-098	
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						SKM 8-21-19	ELB 8-21-19
						CHECKED BY	CHECKED BY
						ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CITY OF PORT ST. LUCIE

PROJECT NAME

SW ROSSER BLVD. ROADWAY  
SIDEWALK IMPROVEMENTS

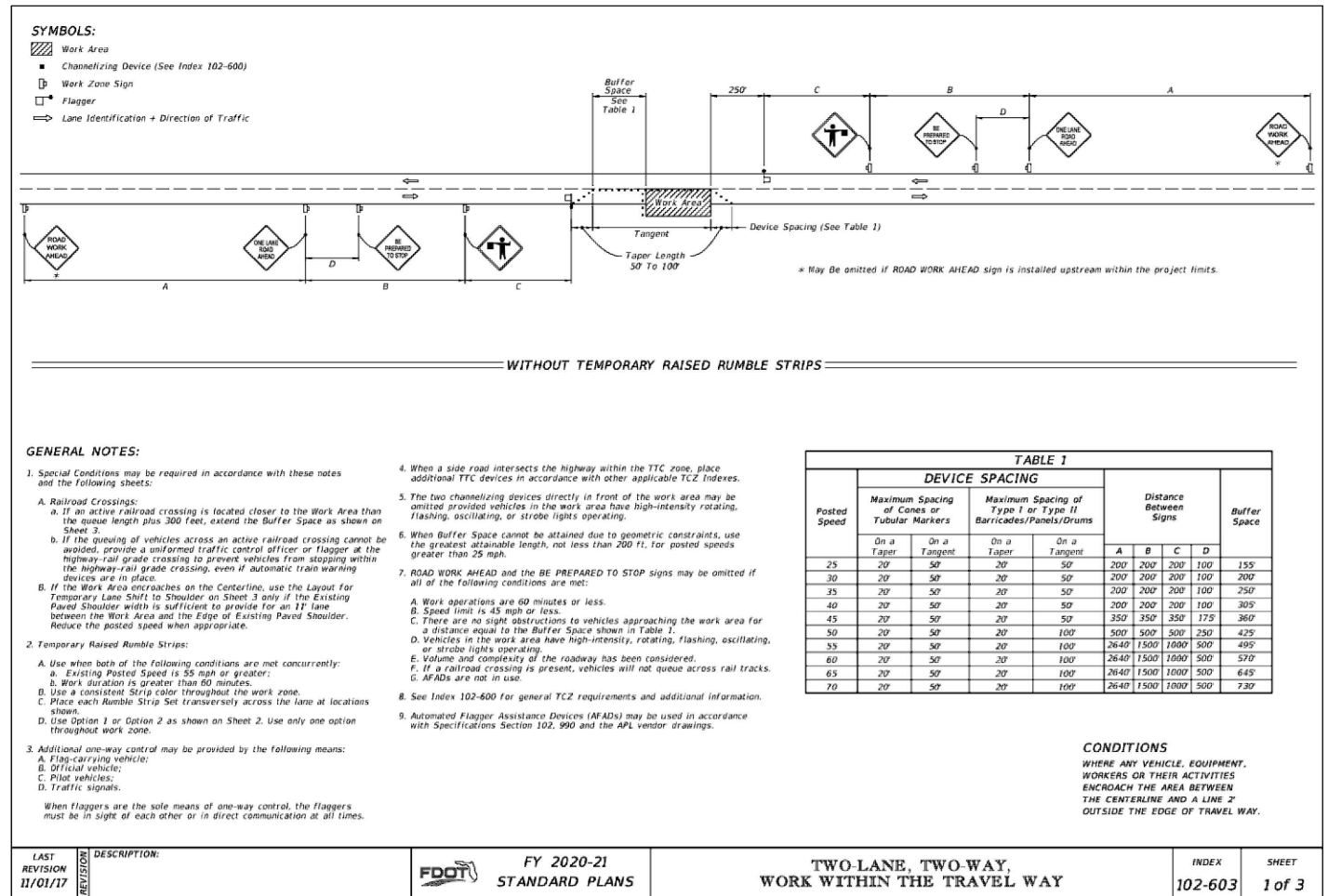
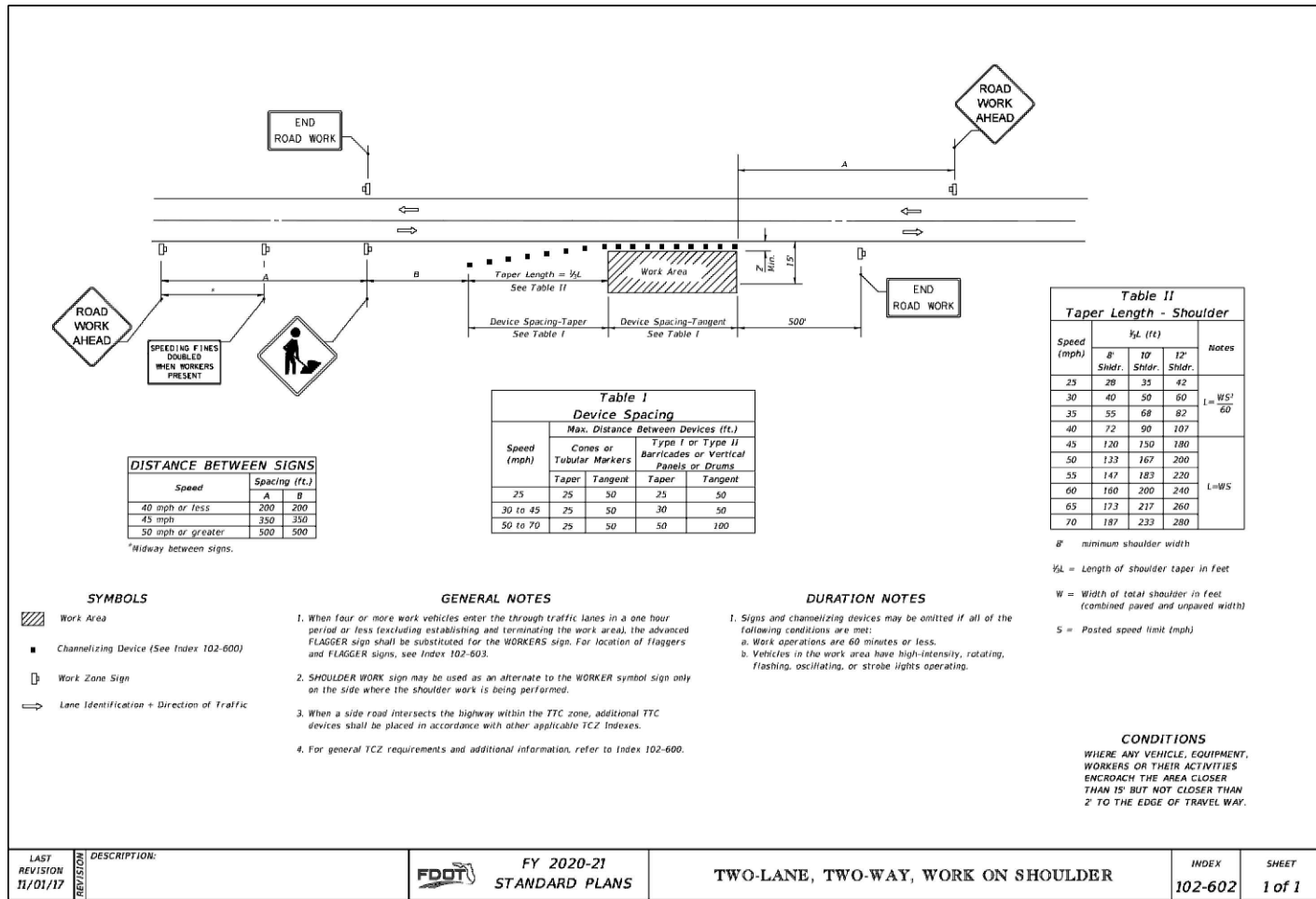
TRAFFIC CONTROL PLAN  
GENERAL NOTES

SHEET NO.  
40

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723



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**GENERAL NOTES:**

- Special Conditions may be required in accordance with these notes and the following sheets:
  - Railroad Crossings:
    - If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
    - If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
  - If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.
- Temporary Raised Rumble Strips:
  - Use when both of the following conditions are met concurrently:
    - Existing Posted Speed is 35 mph or greater;
    - Work duration is greater than 60 minutes.
  - Place a consistent Strip color throughout the work zone.
  - Place each Rumble Strip Set transversely across the lane at locations shown.
  - Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
- Additional one-way control may be provided by the following means:
  - Flag-carrying vehicle;
  - Official vehicle;
  - Pilot vehicles;
  - Traffic signals.

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
- When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ Indexes.
- The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
- When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft, for posted speeds greater than 25 mph.
- ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Speed limit is 45 mph or less.
  - There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
  - Volume and complexity of the roadway has been considered.
  - If a railroad crossing is present, vehicles will not queue across rail tracks.
  - AFADs are not in use.
- See Index 102-600 for general TCZ requirements and additional information.
- Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102.990 and the APL vendor drawings.

LAST REVISION 11/01/17	DESCRIPTION:	FY 2020-21 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 1 of 3
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

C&T JOB NO. 19-098

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CHECKED BY | CHECKED BY

ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723

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CITY OF PORT ST. LUCIE

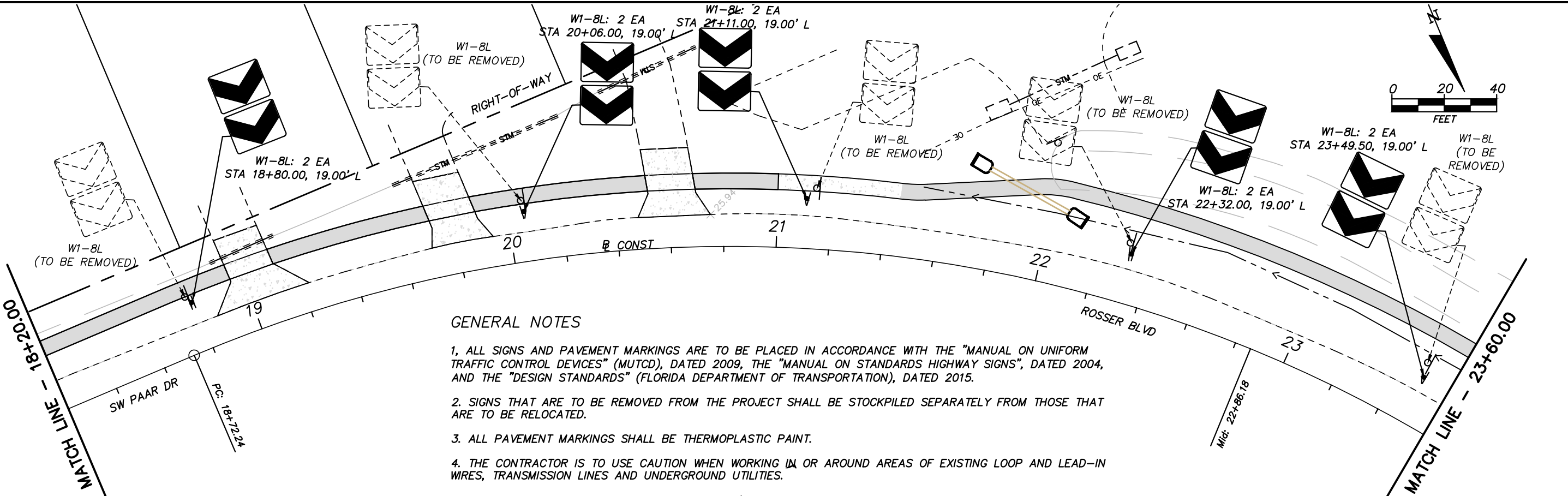
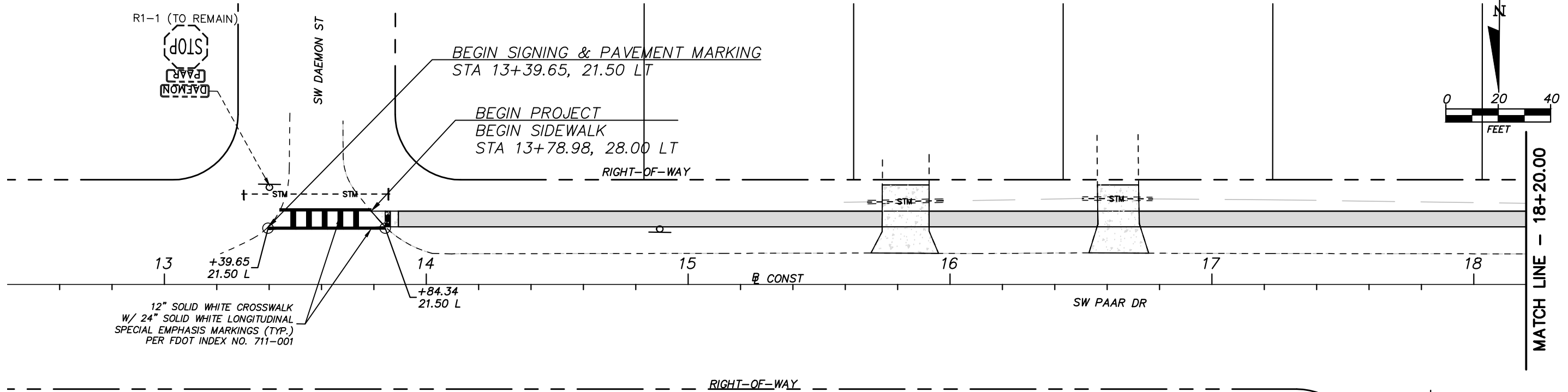
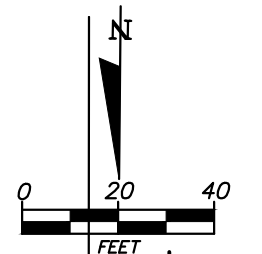
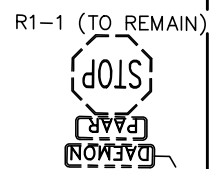
PROJECT NAME

SW ROSSER BLVD. ROADWAY RECONSTRUCTION & SIDEWALK IMPROVEMENTS

STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

TRAFFIC CONTROL PLAN

SHEET NO. 41



**GENERAL NOTES**

1. ALL SIGNS AND PAVEMENT MARKINGS ARE TO BE PLACED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), DATED 2009, THE "MANUAL ON STANDARDS HIGHWAY SIGNS", DATED 2004, AND THE "DESIGN STANDARDS" (FLORIDA DEPARTMENT OF TRANSPORTATION), DATED 2015.
2. SIGNS THAT ARE TO BE REMOVED FROM THE PROJECT SHALL BE STOCKPILED SEPARATELY FROM THOSE THAT ARE TO BE RELOCATED.
3. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAINT.
4. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF EXISTING LOOP AND LEAD-IN WIRES, TRANSMISSION LINES AND UNDERGROUND UTILITIES.
5. ALL SIGN ASSEMBLIES TO BE RELOCATED AND/OR FURNISHED SHALL INCLUDE STREET NAME BLADES.

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C&T JOB NO. 19-098

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ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723

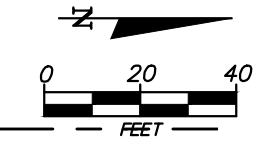
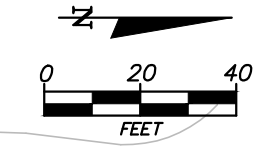
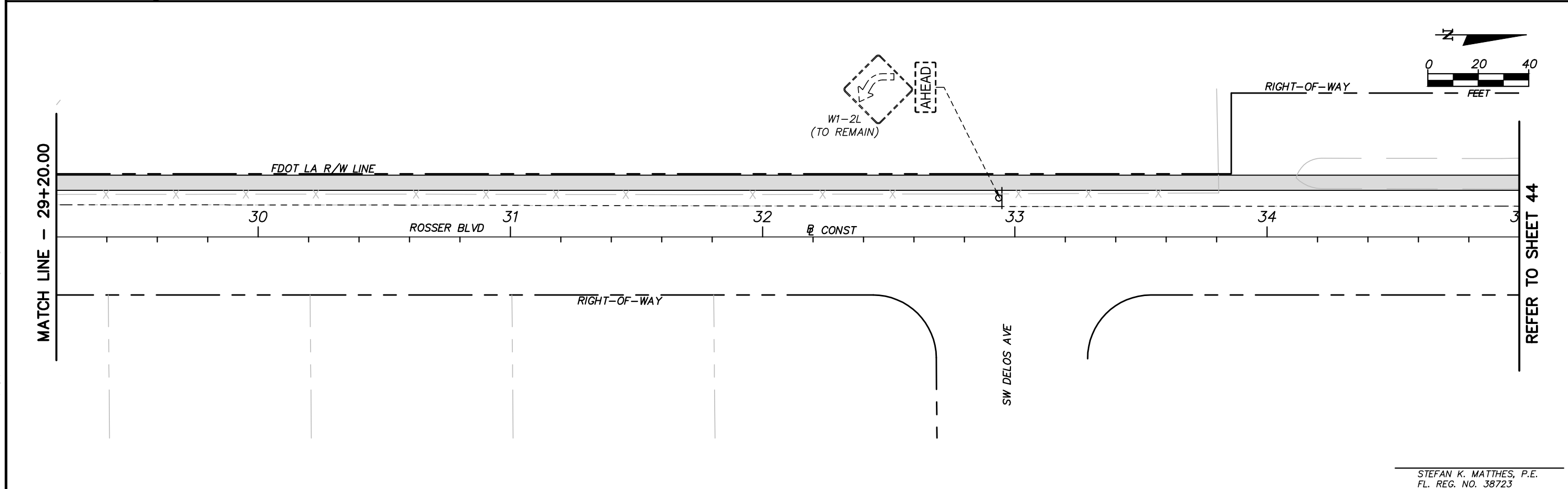
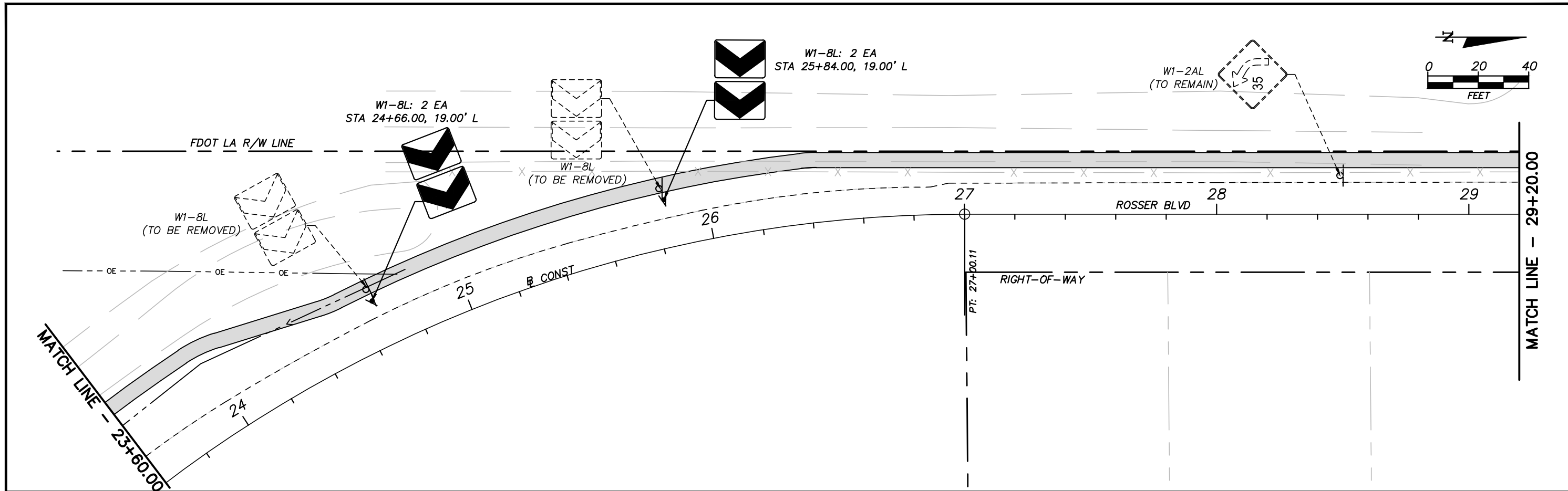
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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSEY BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

**SIGNING & PAVEMENT MARKING**

SHEET NO.	42
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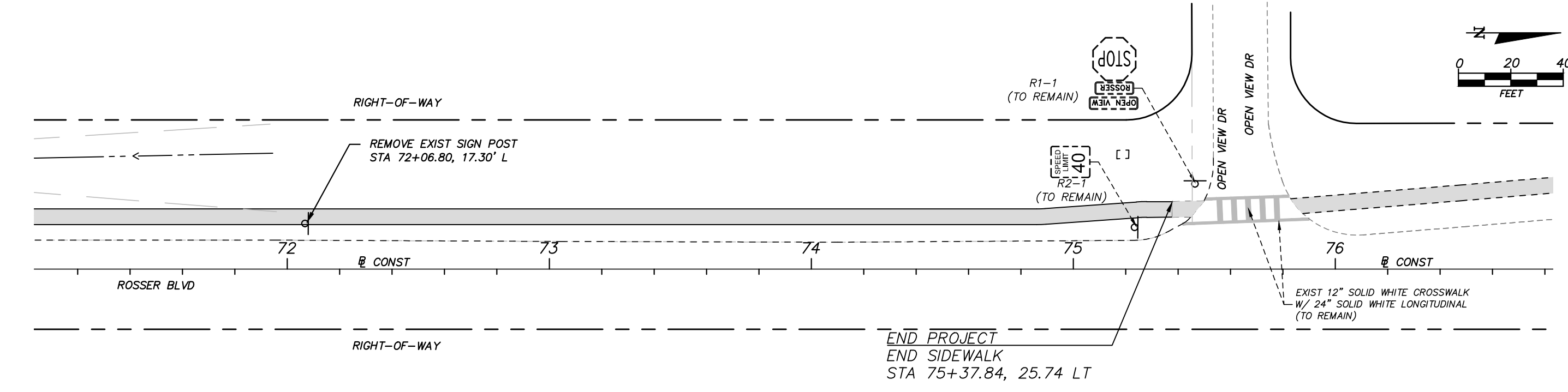
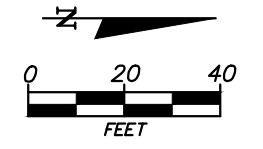
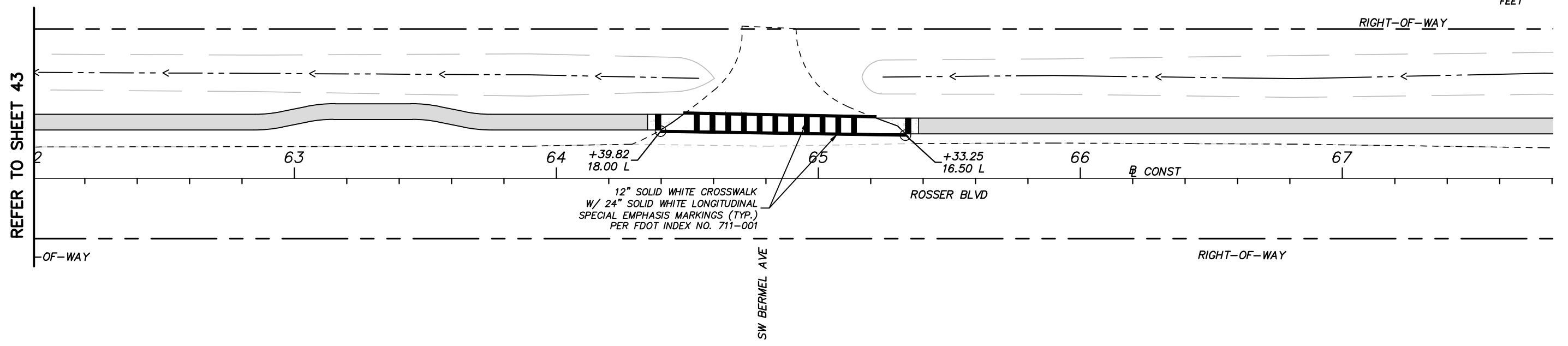
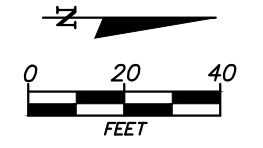
C&T JOB NO. 19-098	
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CHECKED BY SKM	CHECKED BY SKM
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E. NO. 38723	

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CITY OF PORT ST. LUCIE	
PROJECT NAME	FINANCIAL PROJECT ID
SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

**SIGNING & PAVEMENT MARKING**

SHEET NO.
43



STEFAN K. MATTHES, P.E.  
FL. REG. NO. 38723

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SW ROSSER BLVD. ROADWAY SIDEWALK IMPROVEMENTS	N/A

**SIGNING & PAVEMENT MARKING**

SHEET NO.
44