PLANS PREPARED FOR

# City of Port Saint Lucie Public Works Department

# CONTRACT PLANS

PORT ST. LUCIE BLVD & CAMEO BLVD INTERSECTION IMPROVEMENTS

# INDEX OF PLANS

SHEET NO. SHEET DESCRIPTION

\* ROADWAY CONSTRUCTION PLANS

1 KEYSHEET

SUMMARY OF PAY ITEMS & GENERAL NOTES

COMPONENTS OF CONTRACT PLANS SET

3-4 TYPICAL SECTIONS
PROJECT LAYOUT

6-7 ROADWAY PLAN SHEETS

8-9 ROADWAY CROSS SECTIONS
10 STORMWATER POLLUTION PREVENTION PLAN

11 STORMWATER POLLUTION PREVENTION NOTES

12 TRAFFIC CONTROL DETAILS

13 SIGNING AND PAVEMENT MARKING PLAN 14 SIGNAL PLAN

15 SIGNAL TABULATION

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated Irs are available

http://www.fdot.gov/design/Standardplans.shtm

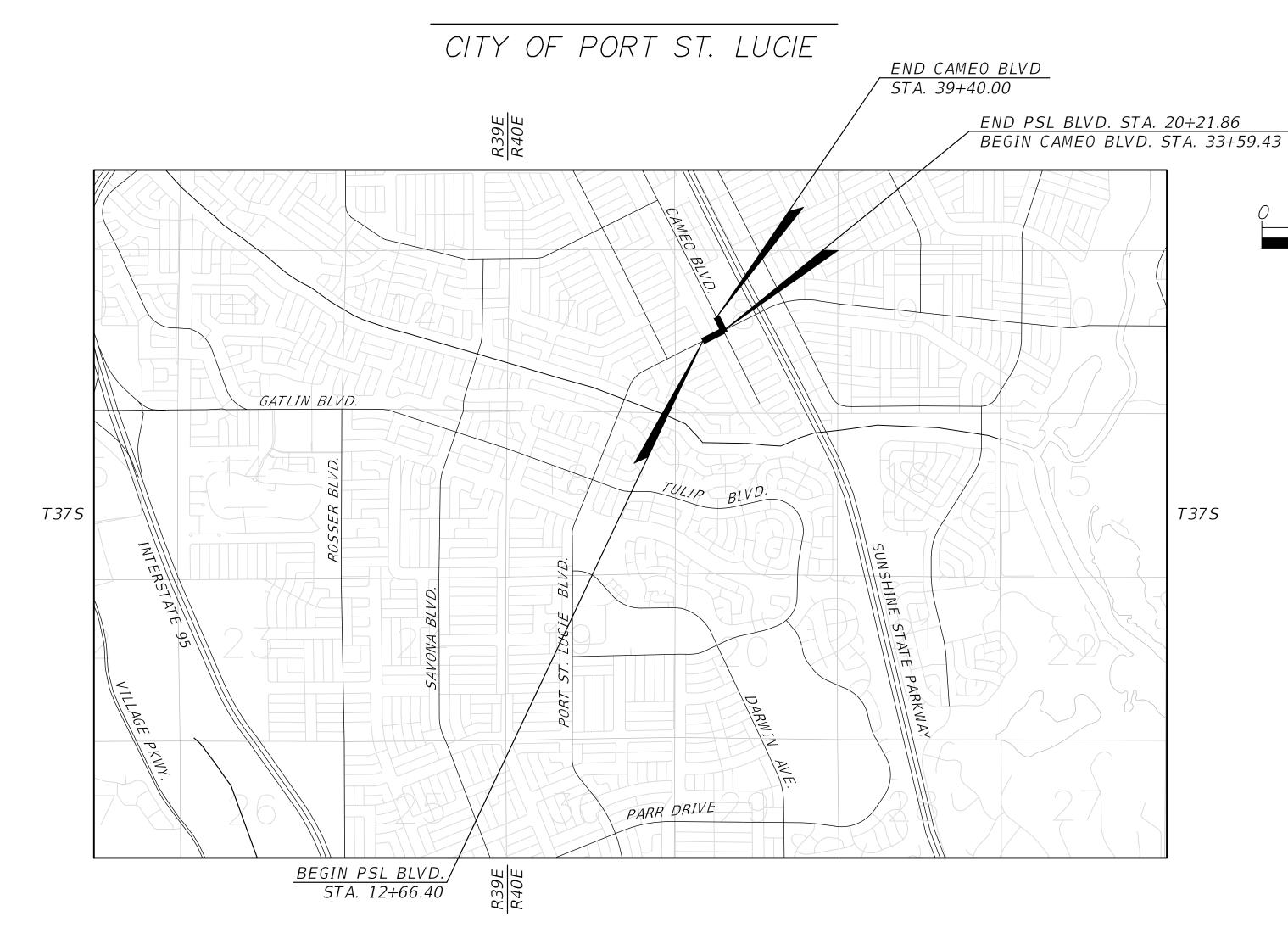
APPLICABLE IRs:

Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

City of Port St Lucie Engineering Standards for Land Development, Commercial, Residential Subdivisions and Capital Improvement Projects



LENGT	TH OF PROJEC	CT
	LIN. FT.	MILES
UTILITY	0 LF	0.000
ROADWAY	1,336.03 LF	0.253
BRIDGES	0 LF	0.000
EXCEPTIONS		
GROSS LENGTH OF PROJ.	1,336.03 LF	0.253

KEY SHEET REVISIONS											
DATE	BY	DESCRIPTION									

CONSTRUCTION SHOP DRAWINGS TO BE SUBMITTED TO:

LOCATION OF PROJECT

ST AUGUSTINE

PORT ST. LUCIF

FT. LAUDERDALE

MIAMI

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

PLANS PREPARED BY:



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

These plans have been digitally signed and sealed by Stefan K Matthes, PE on 10/30/2023 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

ROADWAY PLANS
ENGINEER OF RECORD: STEFAN K. MATTHES, P.E.

P.E. NO.: 38723

FINAL 100% CONSTRUCTION PLANS OCTOBER 30, 2023

C&T JOB NO.: 22-185

CITY OF PSL PROJECT MANAGER: THOMAS SALVADOR

FISCAL SHEET NO.

REVISIONS

DESCRIPTION

MOBILIZATION/GENERAL CONDITIONS/BONDS

REMOVE EXISTING CONCRETE & ASPHALT PAVEMENT

|MAINTENANCE OF TRAFFIC

SOILS TRACKING DEVICE

|CLEARING & GRUBBING

INLET PROTECTION SYSTEM

MAILBOX ADJUST/RELOCATE

SEDIMENT BARRIER

## PAY ITEM NOTES

UNIT | QUANTITY

EA

SY

EA

1.100

3306

166

3,733

410.6

144.7

91.0

225

444

384

2,580

4

214

1,945

780

1,236

10

3,060

270

02-1 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. INCLUDES TEMPORARY PAVEMENT MARKINGS & SIGNAGE, AND RAISED PAVEMENT MARKERS.

110-7A INCLUDES MAINTENANCE AND RELOCATION OF MAILBOXES.

104-10-3, IS ESTIMATED FOR PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION 104-18 AND ARE TO BE USED AT LOCATIONS DESIGNATED ON THE PLANS, OR AS DIRECTED BY 104-15 THE ENGINEER. INCLUDES FLOATING TURBIDITY BARRIER, SILT FENCE TYPE III.

INCLUDES REMOVAL AND DISPOSAL OF EXISTING DRAINAGE STRUCTURES & PIPES; CULVERTS; SIGNS; FENCE; FOOTINGS; GATES; POLES; DEBRIS; F.D.P.'S; TEMPORARY CONSTRUCTION DETOURS; AND ANY OTHER ITEMS TO BE REMOVED THAT ARE NOT SPECIFICALLY COVERED UNDER ANOTHER SEPARATE PAY ITEM. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN, UNLESS OTHERWISE NOTED.

110-4-10 INCLUDES REMOVAL AND DISPOSAL OF EXISTING CURBS, CURB AND GUTTER, TRAFFIC SEPARATOR, DRIVEWAYS, ASPHALT PAVEMENT AND SIDEWALKS.

120-1 INCLUDES ALL EARTHWORK EMBANKMENT FOR ROADWAY, DRIVEWAY, SWALES, CULVERT STRUCTURE, & INCLUDES FINAL GRADING SHAPING AS NECESSARY FOR FINAL RESTORATION.

670-5-110 INCLUDES COORDINATION WITH CITY OF PORT ST. LUCIE TRAFFIC OPERATIONS AND ECONOLITE FOR CONNECTION TO ECONOLITE EDAPTIVE SYSTEM. ALL HARDWARE INSTALLATION WILL NEED TO BE COORDINATED WITH ECONOLITE AND PAUL JOHNSON (772) 370-1774.

# 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 WITHOUT DELAY, BY TELEPHONE (772) 871-5178.

7. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A "NOTICE TO PROCEED".

8. DURING CONSTRUCTION, SHOULD ANY DRAINAGE STRUCTURES (INCLUDING PIPES) BE FOUND THAT ARE NOT SHOWN ON THE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.

9. IN REFERENCE TO EXISTING UTILITIES AND UTILITY ADJUSTMENTS:

A. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT 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. FOR EXISTING UTILITY SYMBOLS, SEE FDOT STANDARD INDEX 002.

C. 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).

10. CONTRACTOR SHALL USE EXTREME CAUTION AND COMPLY WITH ALL APPLICABLE OSHA REGULATIONS WHEN WORKING IN THE VICINITY OF OVERHEAD AND UNDERGROUND UTILITY LINES.

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	TVAN ARILL	(772) 460-444
COMCAST CABLE	RICK JOHNSON	(561) 402-451
FLORIDA POWER & LIGHT, CO.	DIANA VILLEGAS	(772) 337-701
PSLUSD	LANEY SOUTHERLY, P.E.	(772) 807-445
CITY OF PSL TRAFFIC OPS	PAUL JOHNSON	(772) 871-518
CITY OF PSL PUBLIC WORKS	JOHN DUNTON	(772) 871-510

(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. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF FIVE (5') FEET BETWEEN THE POLE AND ANY EXCAVATION.

13. ALL SYNTHETIC BALES AND SILT FENCE SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND WHEN APPROVED BY THE NPDES INSPECTOR.

14. IT HAS BEEN DETERMINED THAT DEWATERING OF THE PROJECT CAN BE CONSTRUCTED UNDER THE SOUTH FLORIDA WATER MANAGEMENT GENERAL PERMIT BY RULE. IF THE CONTRACTOR CHOOSES TO OBTAIN A DEWATERING PERMIT 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. IF DEWATERING PUMPS ARE REQUIRED TO RUN OVERNIGHT THE CONTRACTOR IS REQUIRED TO OBTAIN A NOISE PERMIT PER CITY CODE SECTION 94.07

15. 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.

16. THE MAXIMUM CROSS SLOPES ON ALL SIDEWALKS IS 2%. ALL TRANSITIONS BETWEEN PROPOSED SIDEWALKS AND EXISTING SIDEWALKS SHALL BE SMOOTH AND LEVEL. DURING CONSTRUCTION ALL EXISTING PEDESTRIAN AND VEHICULAR PATHS MUST REMAIN USABLE AND ACCESSIBLE, OR ALTERNATE PATHS MUST BE PROVIDED.

17. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION.

18. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLANS OR AS DIRECTED BY THE PROJECT ENGINEER TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

19. THE SIDEWALK MUST BE FREE OF OVERHEAD OBSTRUCTIONS PER SECTION 4.4.2 OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). CONTRACTOR SHALL ASSURE THAT NO OBSTRUCTION (UTILITY POLE, EQUIPMENT, SIGN, STRUCTURE, TREE, GRATE, ETC.) RESTRICTS ACCESS ALONG SIDEWALK TO A PATH LESS THAN 48"

20. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE PROJECT ENGINEER.

21. EXISTING LANDSCAPE IMPROVEMENT THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS ARE TO BE RELOCATED PER THE DIRECTION OF THE ENGINEER OF RECORD.

22. LANE CLOSURES ALONG PORT ST. LUCIE BLVD. AND CAMEO BLVD. SHALL BE COORDINATED WITH THE CITY OF PORT ST. LUCIE, AND MUST SUBMIT A ROAD CLOSURE REQUEST FORM. LANE CLOSURES ALONG PORT ST. LUCIE BLVD. MUST ALSO BE COORDINATED WITH FDOT.

23. 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. HIGH-PERFORMANCE POLYPROPYLENE PIPE (HPPP) (12" THROUGH 60") SHALL MEET

ASTM F2881 OR AASHTO M330 AND HAVE A MANNING'S N VALUE OF 0.012. C. ALL STORM STRUCTURE TOPS SHALL BE ADJUSTED AT TIME OF FINAL PAVEMENT OF CURB CONSTRUCTION. FINAL ADJUSTMENT OF ALL TOPS SHALL BE THE

FOR MANHOLES ARE MEASURED TO THE CENTER OF THE RIM.

RESPONSIBILITY OF THE CONTRACTOR.

D. THE LENGTHS OF PIPE SHOWN HEREON HAVE BEEN DETERMINED BY CALCULATING THE DISTANCE BETWEEN THE "CENTERLINE" OF THE INLETS AND/OR MANHOLES.

E. OFFSETS FOR CURB INLETS ARE MEASURED TO THE EDGE OF PAVEMENT. OFFSETS

24. EXCAVATED SOILS MAY BE USED FOR EMBANKMENT CONSTRUCTION PROVIDED THAT THE MATERIAL IS CLEAN FILL, FREE OF ORGANIC MATERIALS, ROOTS OR OTHER DELETERIOUS MATERIALS, AND CONFORMS WITH FDOT SPECIFICATIONS AND FDOT STANDARD INDEX 505 AND IS APPROVED BY THE CITY CONSTRUCTION ENGINEER.

25. ANY BORROW MATERIAL REQUIRED FOR THE PROJECT SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY HIM, AND THE COST OF FURNISHING SUCH MATERIAL SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR EARTHWORK AND GRADING.

26. ALL MUCK AND PLASTIC MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT INDEX 102-001 AND 120-002.

27. ALL VEGETATION, DEBRIS, PAVEMENT, CONCRETE OR OTHER UNSUITABLE
MATERIALS SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE

28. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLAN DIMENSIONS AND SITE CONDITIONS, AND IS TO NOTIFY THE THE PROJECT ENGINEER OF ANY DISCREPANCIES BETWEEN SITE CONDITION AND INFORMATION SHOWN ON PLANS PRIOR TO COMMENCEMENT OF WORK.

29. 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/REMEDIATION 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.

30. 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 THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) 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 THE PROJECT ENGINEER 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 MSDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT

31. ALL AREAS DESIGNATED FOR PAVEMENT REMOVAL SHALL BE SAW-CUT AT THE LIMITS OF REMOVAL ADJACENT TO EXISTING PAVEMENT WHICH IS TO REMAIN.

32. ALL WORK ASSOCIATED WITH THIS PROJECT IS TO BE PERFORMED WITHIN THE RIGHT-OF-WAY LIMITS OR TEMPORARY CONSTRUCTION EASEMENTS AS DEPICTED ON THE PLAN SHEETS.

33. ALL ADA WARNING SURFACES ARE TO BE CAST IN PLACE AND BRICK RED IN COLOR.

34. ALL CONCRETE SIDEWALK JOINTS SHALL BE TOOLED WITHOUT EXPANSION JOINTS.

CITY OF PSL PROJECT NO. P23-\_\_\_

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

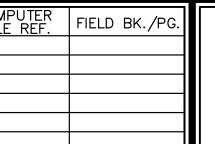
Know what's below.
Call before you dig.

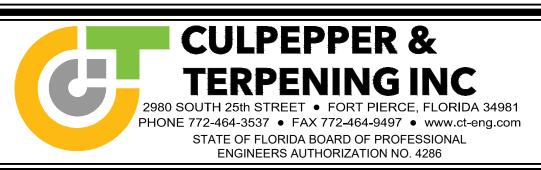
ITEM NO.

1110-1

NOTES:

1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.





			I			
- R E V I S I O N S -	BY	DATE			BY	DATE
	•	•		DESIGNED		
		•		CALCS.		
	•	•		DRAWN	DRP	05/15/23
	•	•		DETAILED		
	•	•		CHECKED		
	•	•		APPROVED	SKM	10/30/23

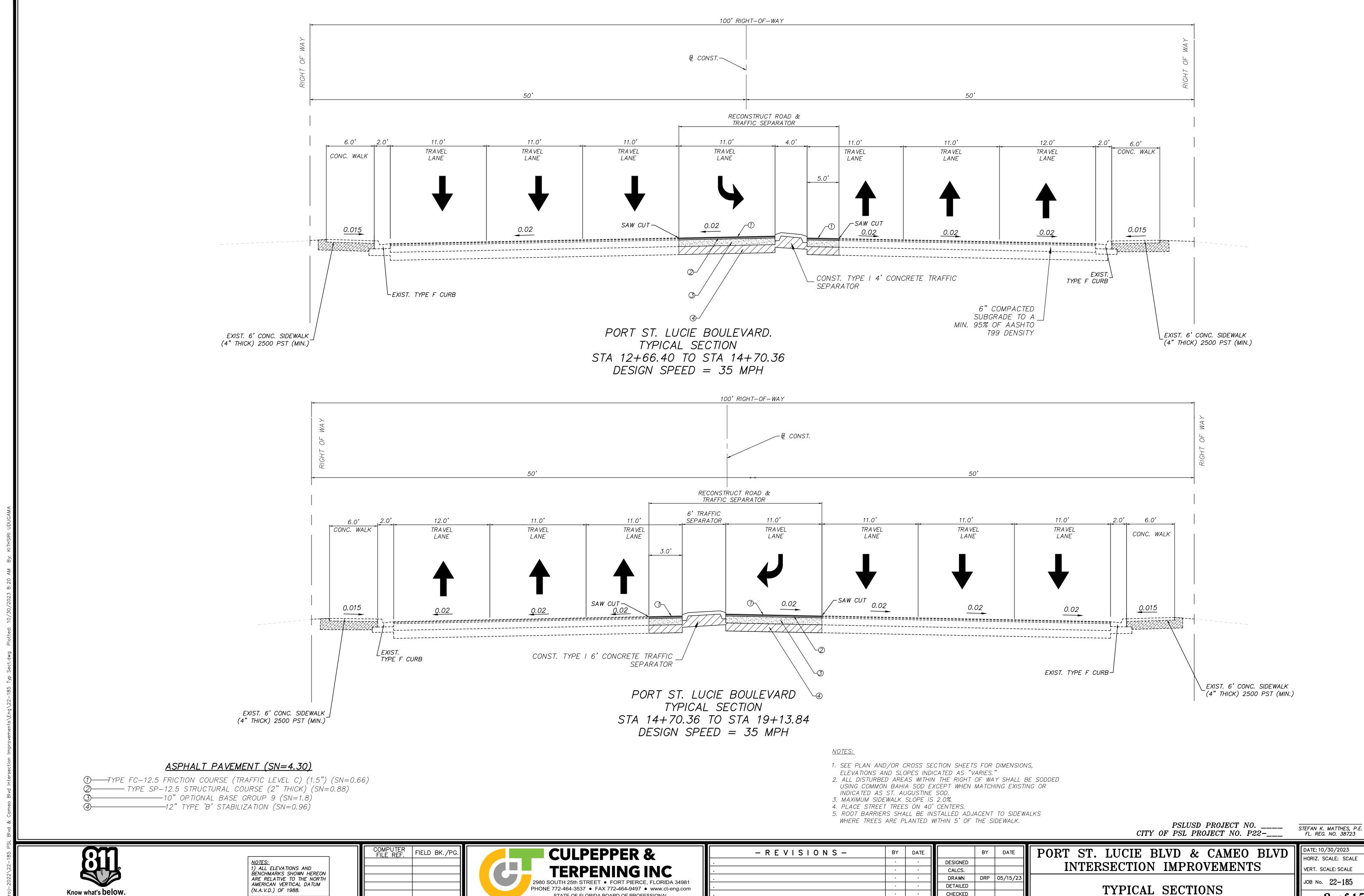
DATE: 10/30/2023

HORIZ. SCALE: N/A

VERT. SCALE: N/A

JOB No. 22-185

SHEET 2 of 15



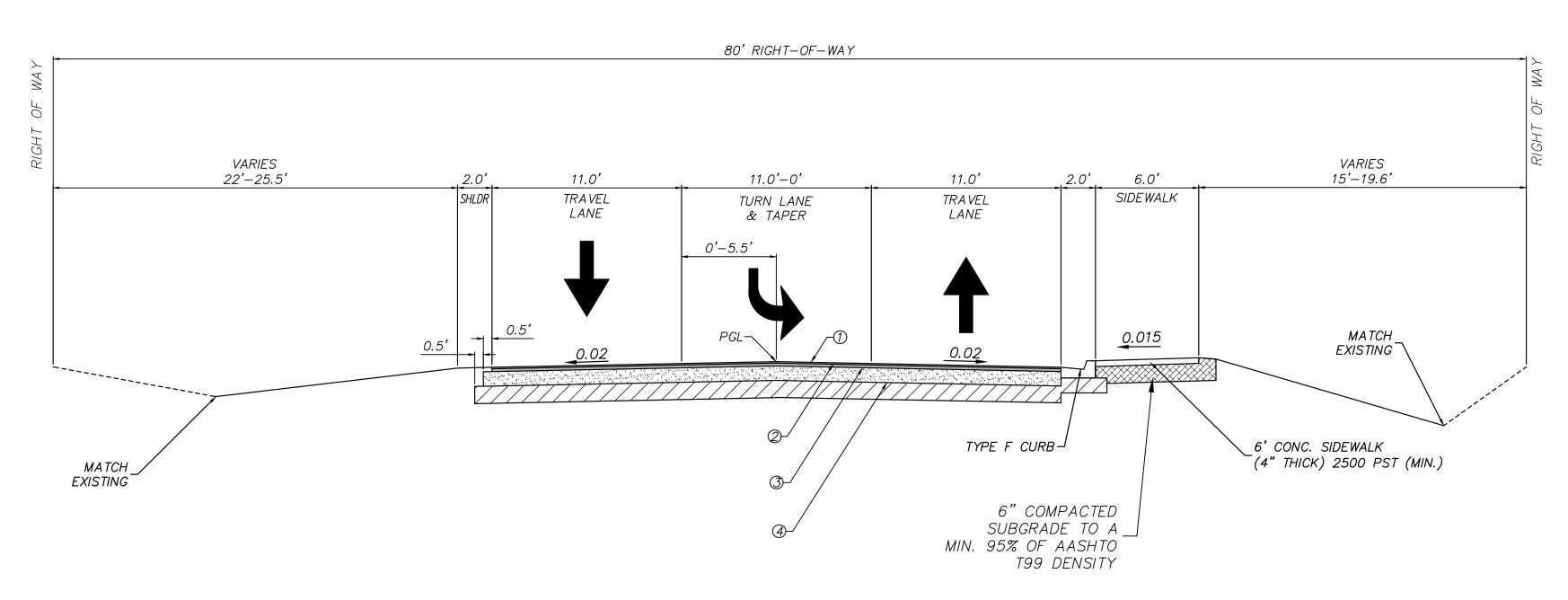
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

CHECKED

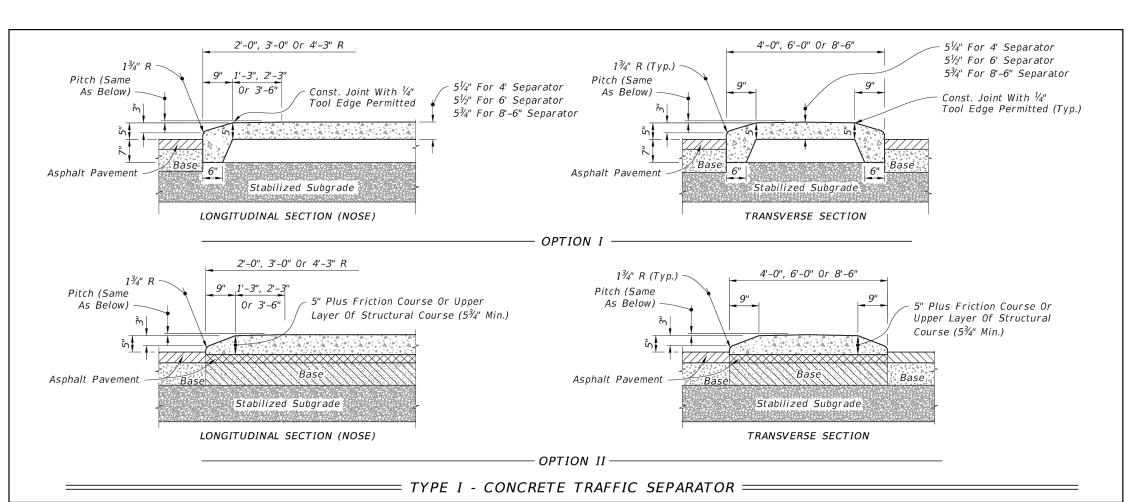
APPROVED SKM 10/30/23

SHEET 3 of 15

Know what's below. Call before you dig. CAMEO BOULEVARD
TYPICAL SECTION 1
STA 33+59.43 TO STA 35+81.60
DESIGN SPEED = 35 MPH



CAMEO BOULEVARD
TYPICAL SECTION 2
STA 35+81.60 TO STA 39+17.95
DESIGN SPEED = 35 MPH



ASPHALT PAVEMENT (SN=4.08)

- OPTIONAL BASE GROUP 9 (SN=1.8)

—12" TYPE 'B' STABILIZATION (SN=0.96)

①——TYPE SP-9.5 SURFACE COURSE (TRAFFIC LEVEL C) (1.0") (SN=0.44)

TYPE SP-12.5 STRUCTURAL COURSE (2" THICK) (SN=0.88)

PSLUSD PROJECT NO. \_\_\_\_\_ CITY OF PSL PROJECT NO. P22-\_\_\_

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

DATE: 10/30/2023

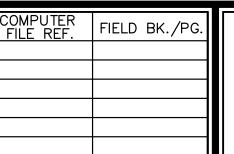
HORIZ. SCALE: SCALE

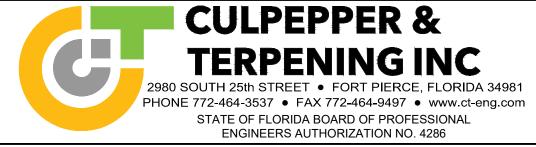
VERT. SCALE: SCALE

Know what's below.
Call before you dig.

NOTES:

1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.





- R E V I S I O N S -	BY	DATE		BY	DATE
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
			APPROVED	SKM	10/30/23

<u>NOTES:</u>

1. SEE PLAN AND/OR CROSS SECTION SHEETS FOR DIMENSIONS,

2. ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE SODDED

USING COMMON BAHIA SOD EXCEPT WHEN MATCHING EXISTING OR

5. ROOT BARRIERS SHALL BE INSTALLED ADJACENT TO SIDEWALKS

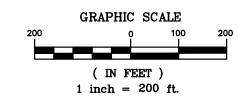
WHERE TREES ARE PLANTED WITHIN 5' OF THE SIDEWALK.

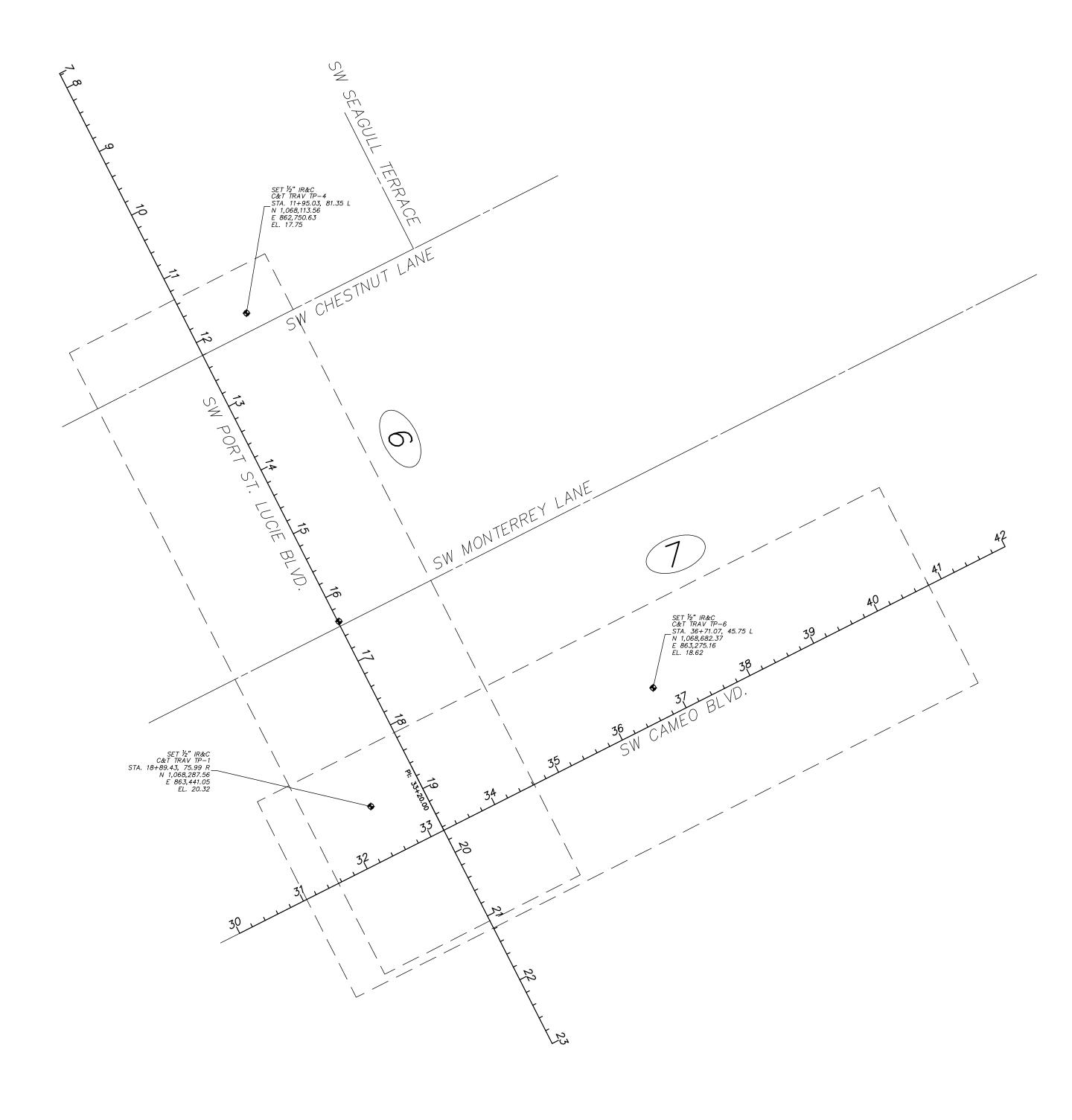
ELEVATIONS AND SLOPES INDICATED AS "VARIES."

INDICATED AS ST. AUGUSTINE SOD.

4. PLACE STREET TREES ON 40' CENTERS.

3. MAXIMUM SIDEWALK SLOPE IS 2.0%.





<u>BENCHMARK:</u> PROJECT BENCHMARK IS PSL BM 4051 WITH A PUBLISHED ELEVATION OF 17.54 N.A.V.D. 1988



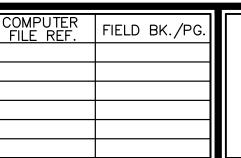


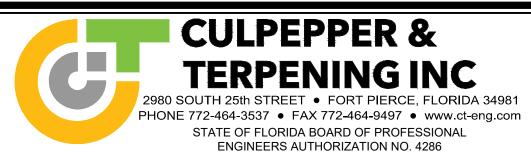
LOCAL BENCHMARK/TRAVERSE

CITY OF PSL PROJECT NO. P23-\_\_\_

Know what's below.
Call before you dig.

NOTES:
1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.





- REVISIONS -	BY	DATE		BY	DATE
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
			APPROVED.	SKM	10/30/23

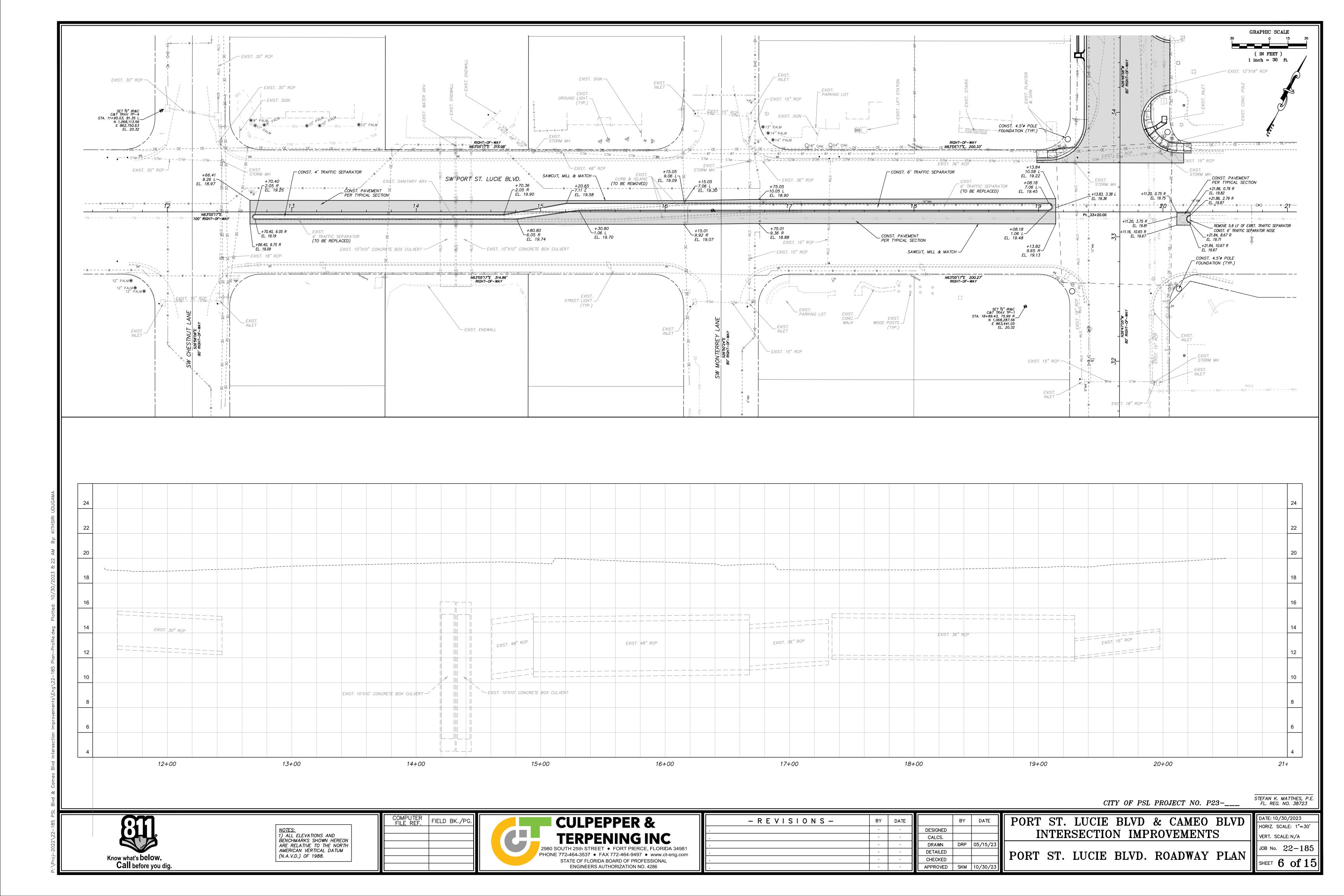
PORT ST. LUCIE BLVD & CAMEO BLVD INTERSECTION IMPROVEMENTS

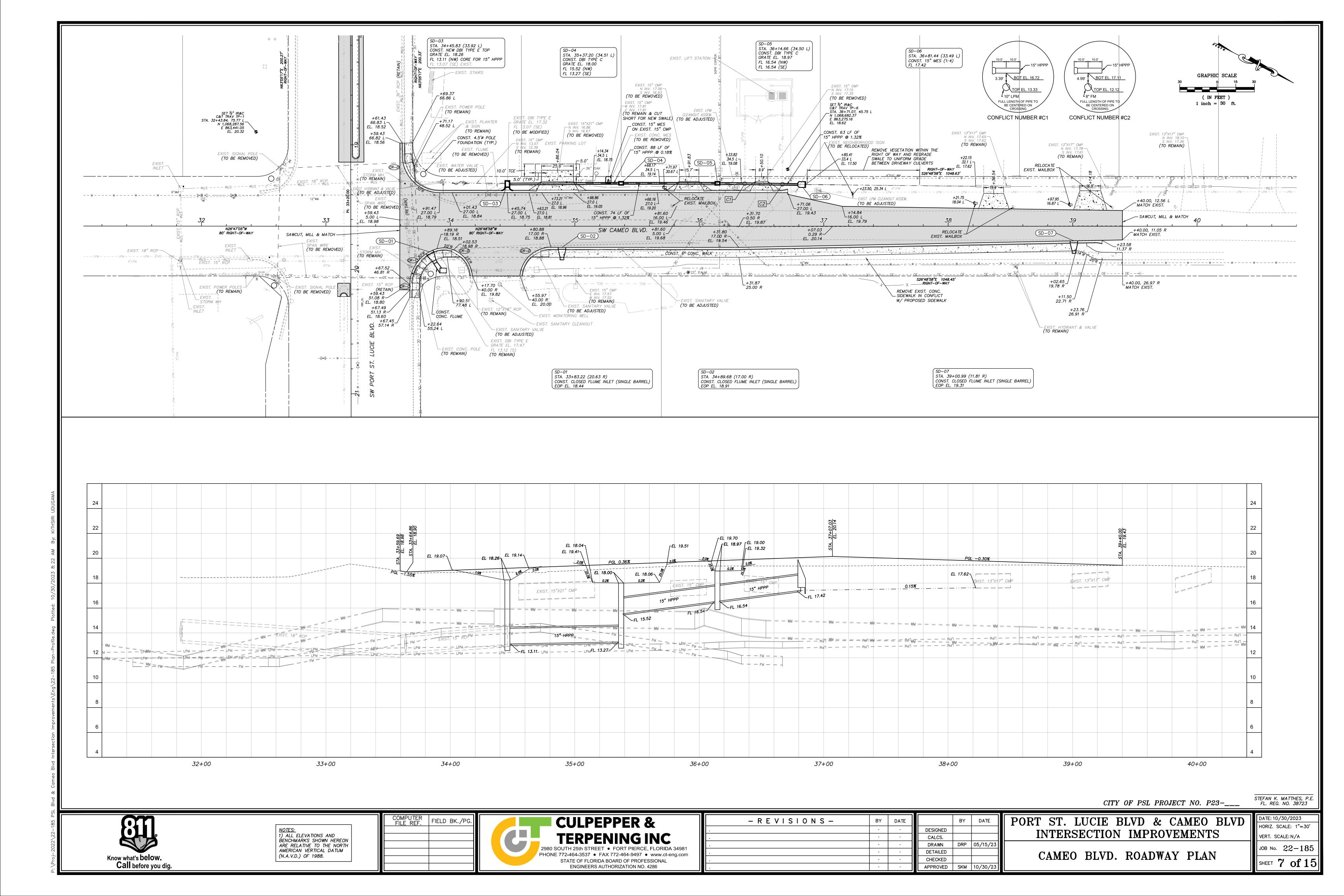
VERT. SCALE: N/A PROJECT LAYOUT

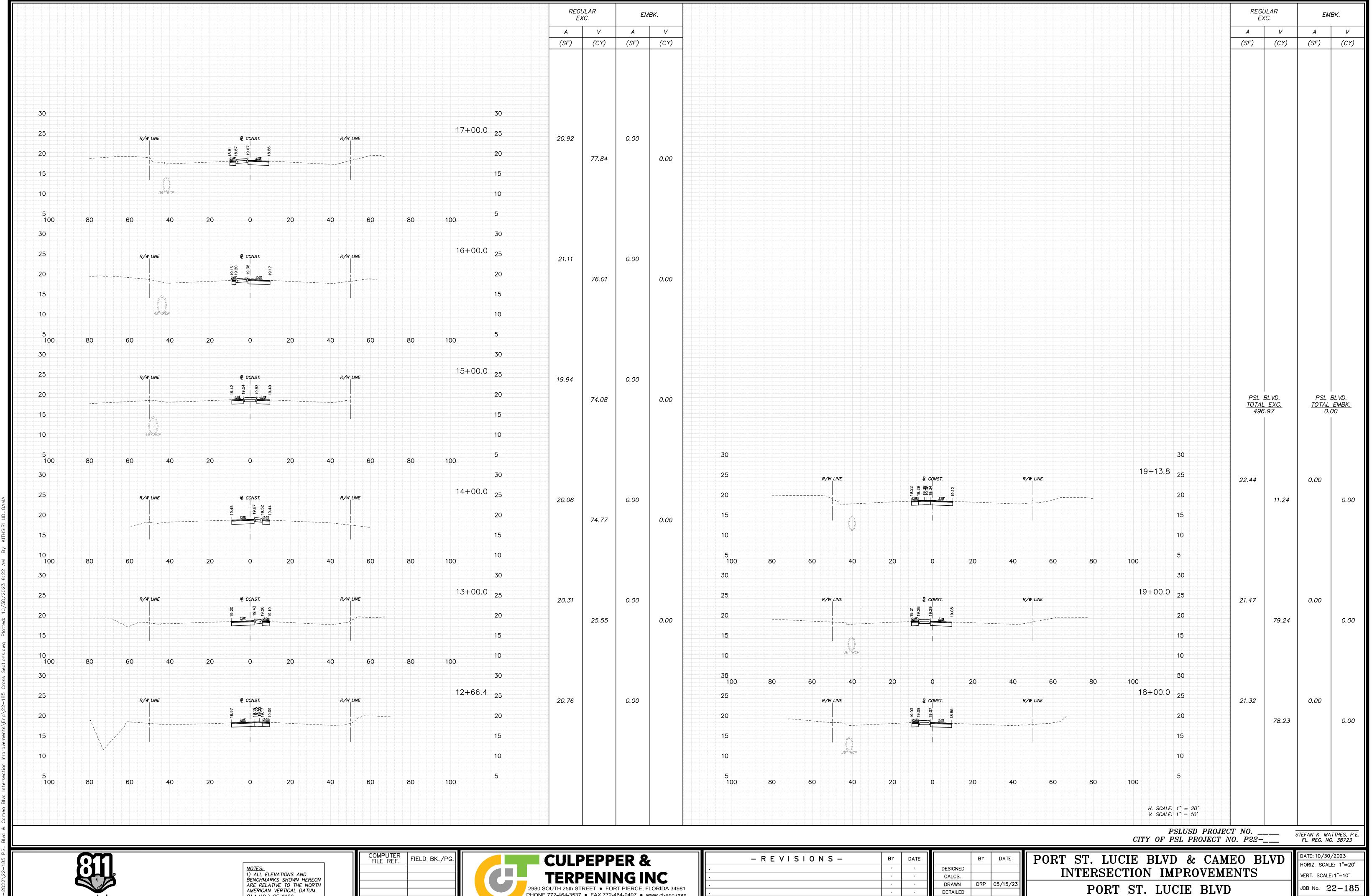
JOB No. 22-185 SHEET **5** of 15

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

HORIZ. SCALE: 1"=100'



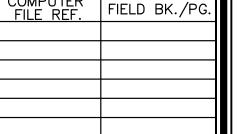




Know what's below.
Call before you dig.

NOTES:

1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.

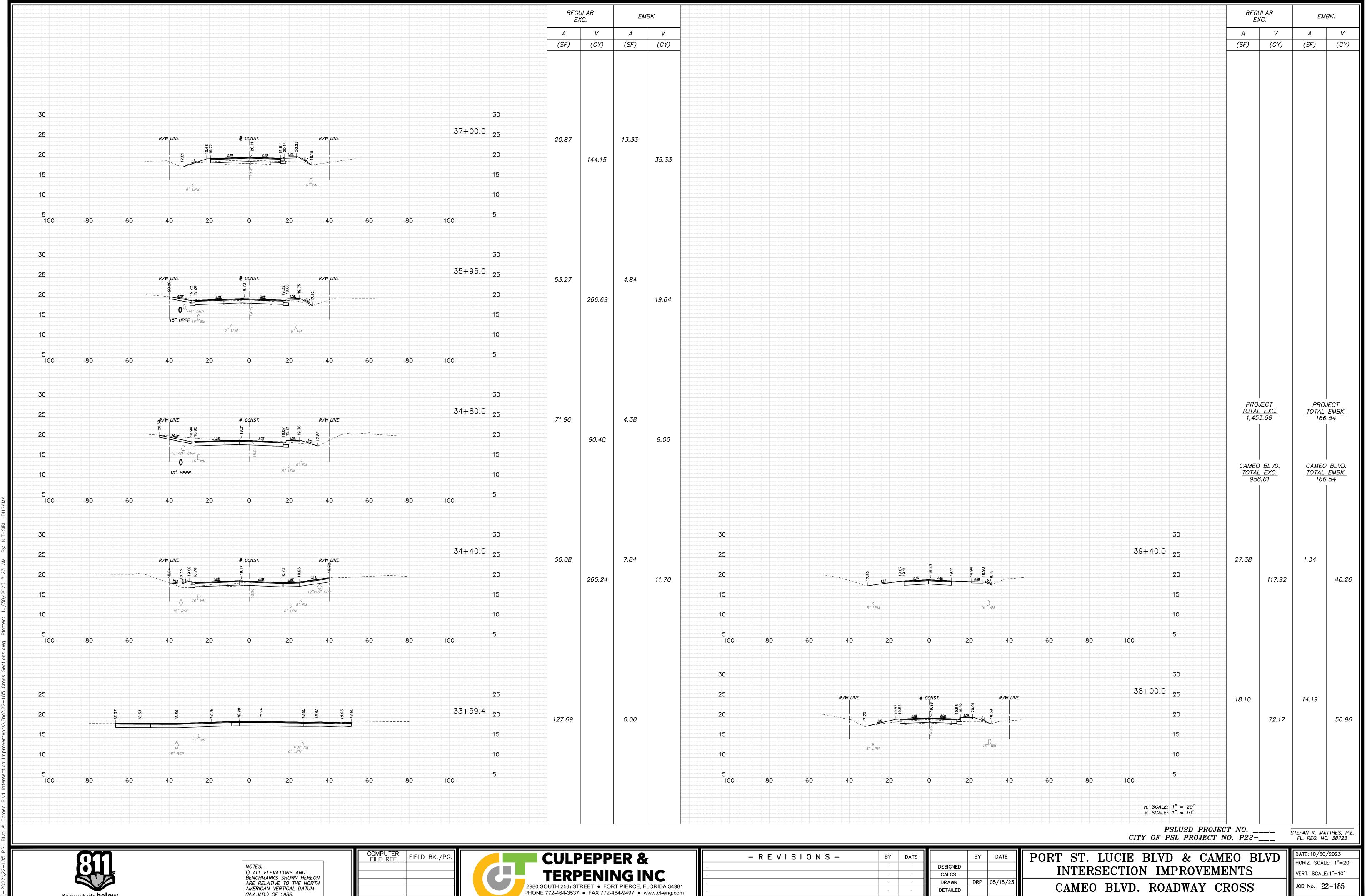




- N L V I 3 I O N 3 -		DAIL		"	
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
	•	•	APPROVED	SKM	10/30/23

PORT ST. LUCIE BLVD ROADWAY CROSS SECTIONS

SHEET **8** of 15



Know what's below.
Call before you dig.

NOTES:

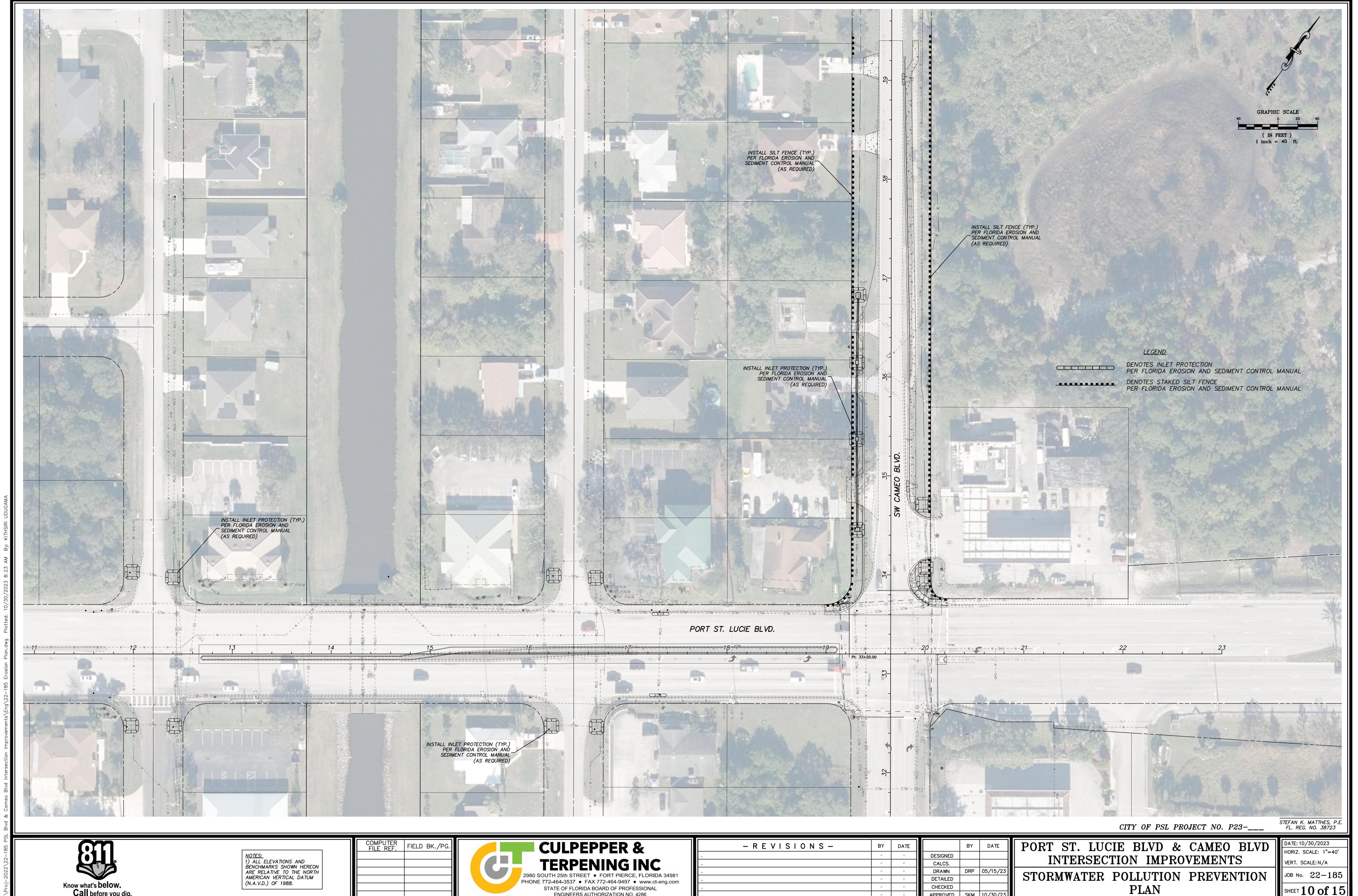
1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.



- R E V I S I U N S -	ВТ	DATE		ВТ	DATE
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
	•	•	APPROVED	SKM	10/30/23
			•		

SECTIONS

SHEET **9** of **15** 



Know what's below.
Call before you dig.

NOTES:

1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.

PHONE 772-464-3537 • FAX 772-464-9497 • www.ct-eng.com STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- R E V I S I O N S -	BY	DATE		BY	DATE
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
	•	•	APPROVED	SKM	10/30/23

SHEET 10 of 15

## 1.0 SITE DESCRIPTION

## 1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF CONSTRUCTION OF ROADWAY INTERSECTION IMPROVEMENTS FOR TULIP BLVD. AND COLLEGE PARK ROAD.

# THE LIMITS OF THE PROJECT INCLUDE:

647 LF OF ROADWAY AND DRAINAGE ALONG TULIP BLVD. FROM PORT ST. LUCIE BLVD. TO JUST PAST SANDBAR STREET.

## 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: 1.7 ± AC TOTAL AREA TO BE DISTURBED: 1.7 ± AC

# 1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS: BEFORE: 0.3 DURING: VARIES FROM 0.3 TO 0.7 *AFTER: 0.53* 

# **OUTFALL INFORMATION**

DRAINAGE WILL BE A SERIES OF SWALES AND CULVERTS FOR PARTS OF THE ROADWAY AND CURB INLETS ELSEWHERE WITH THE PROJECT OUTFALLING TO THE CITY OF PORT ST. LUCIE DRAINAGE SYSTEM.

# SURFACE WATERS: N/A

DISCHARGE POINTS TO SURFACE WATERS: N/A

# 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.

- DRAINAGE PATTENS: THE DRAINAGE BASIN DIVIDES WILL BE MAINTAINED AND FLOW DIRECTIONS ARE SHOWN ON THE CONSTRUCTION PLANS.

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

- AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS, AND THE CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARES 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-PROFILE SHEETS, AND THE CROSS SECTION SHEETS.

- LOCATION OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS. TABLES PROVIDING SUMMARIES OF THE TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITIES 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.

-ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATIONS SECTION 104.

- TURF AND SOD IN ACCORDANCE WITH SPECIFICATIONS SECTION 104.

## *PERMANENT:*

-ASPHALT OR CONCRETE SURFACE.

-SOD IN ACCORDANCE WITH SPECIFICATION SECTION 575.

## 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 ARES 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:

- 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.

# 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 TARPAULINS.

## - 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

- SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR

# 4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEASE 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 ENGINEER OF RECORD AND PROJECT MANAGER AT THE CITY OF PORT ST. LUCIE.

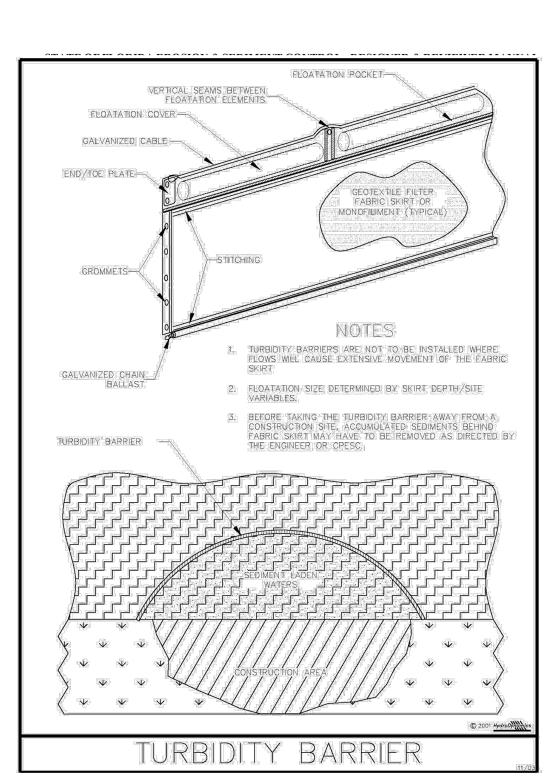
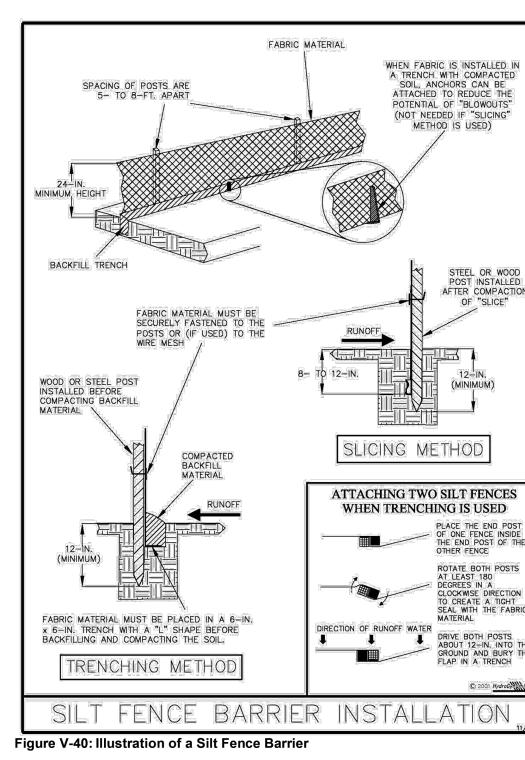


Figure V-44: Illustration of a Turbidity Barrier Curtain

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

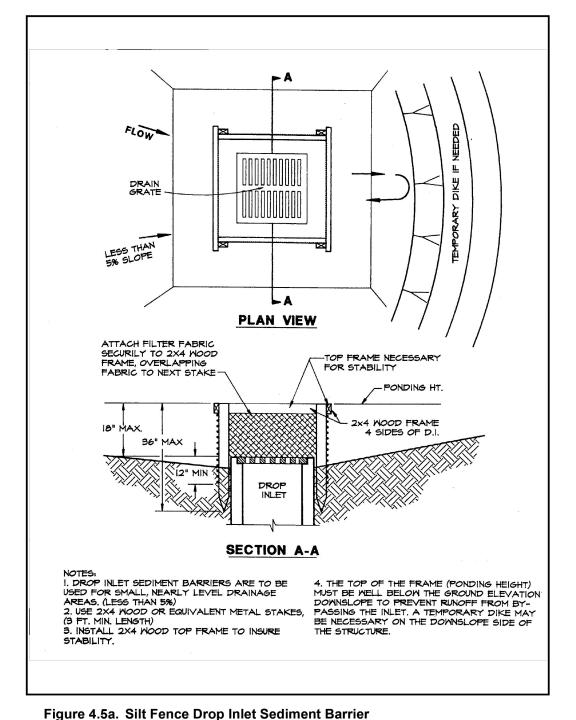
V-15

## STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL



ermission is given by HydroDynamics Incorporated to copy and reproduce this detail

# CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Source: Erosion Draw

# STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL

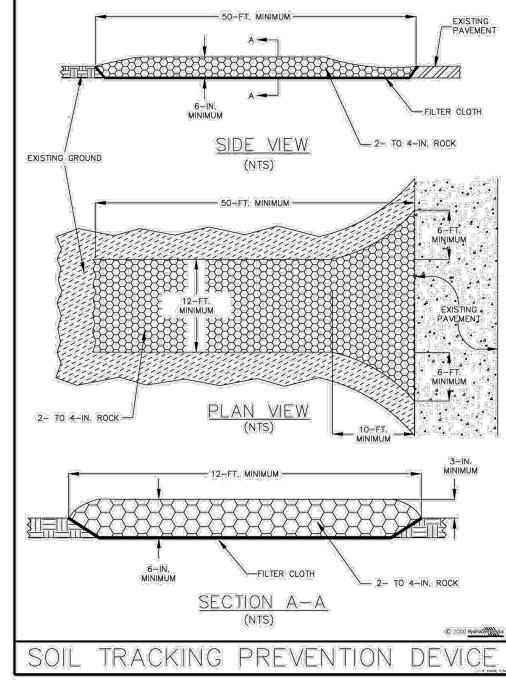


Figure V-52: Illustration of a Soil Tracking Prevention Device

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail

V-31

CITY OF PSL PROJECT NO. P23-\_\_\_

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

Call before you dig

1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

| FIELD BK./F

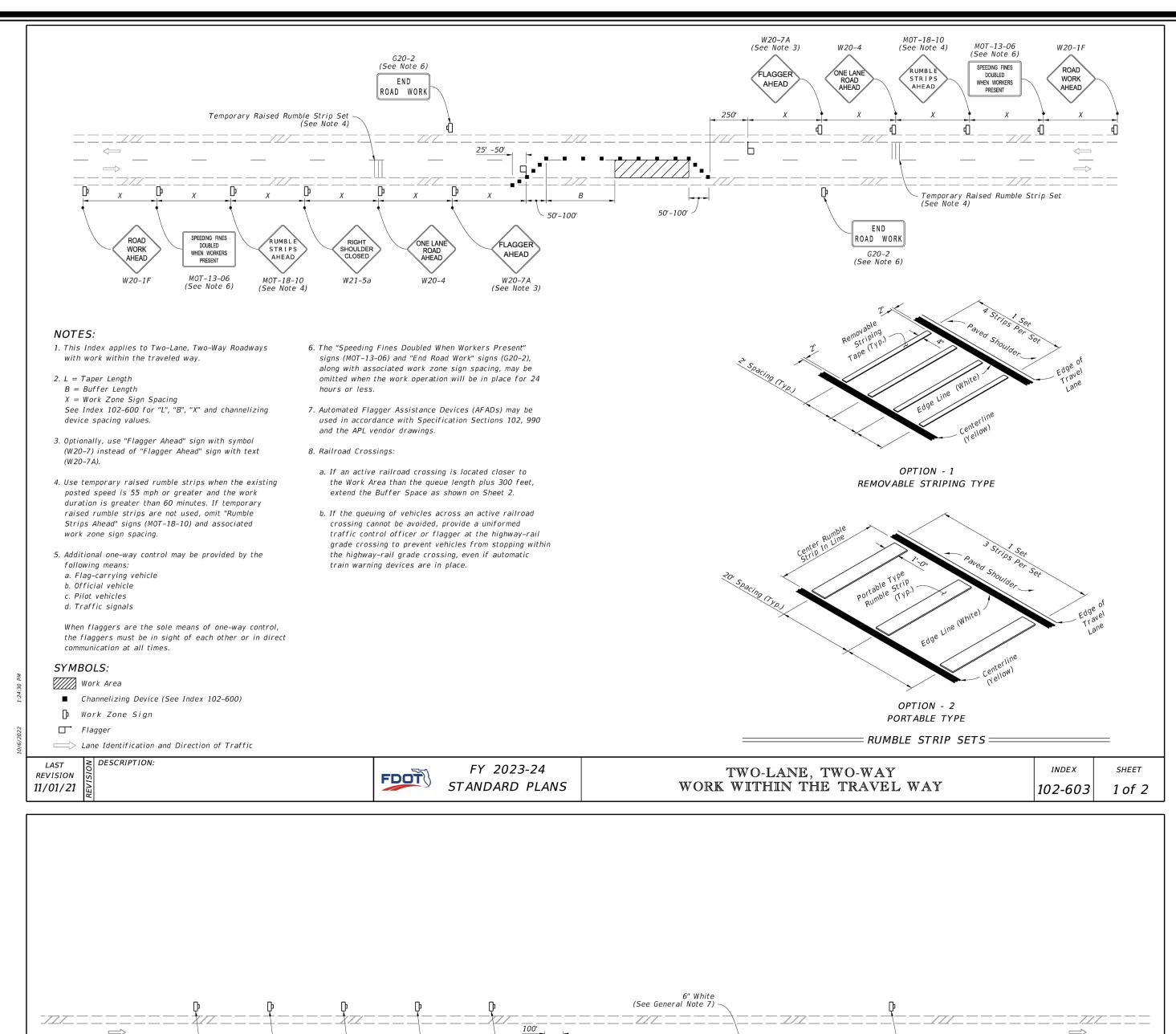
**CULPEPPER &** STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

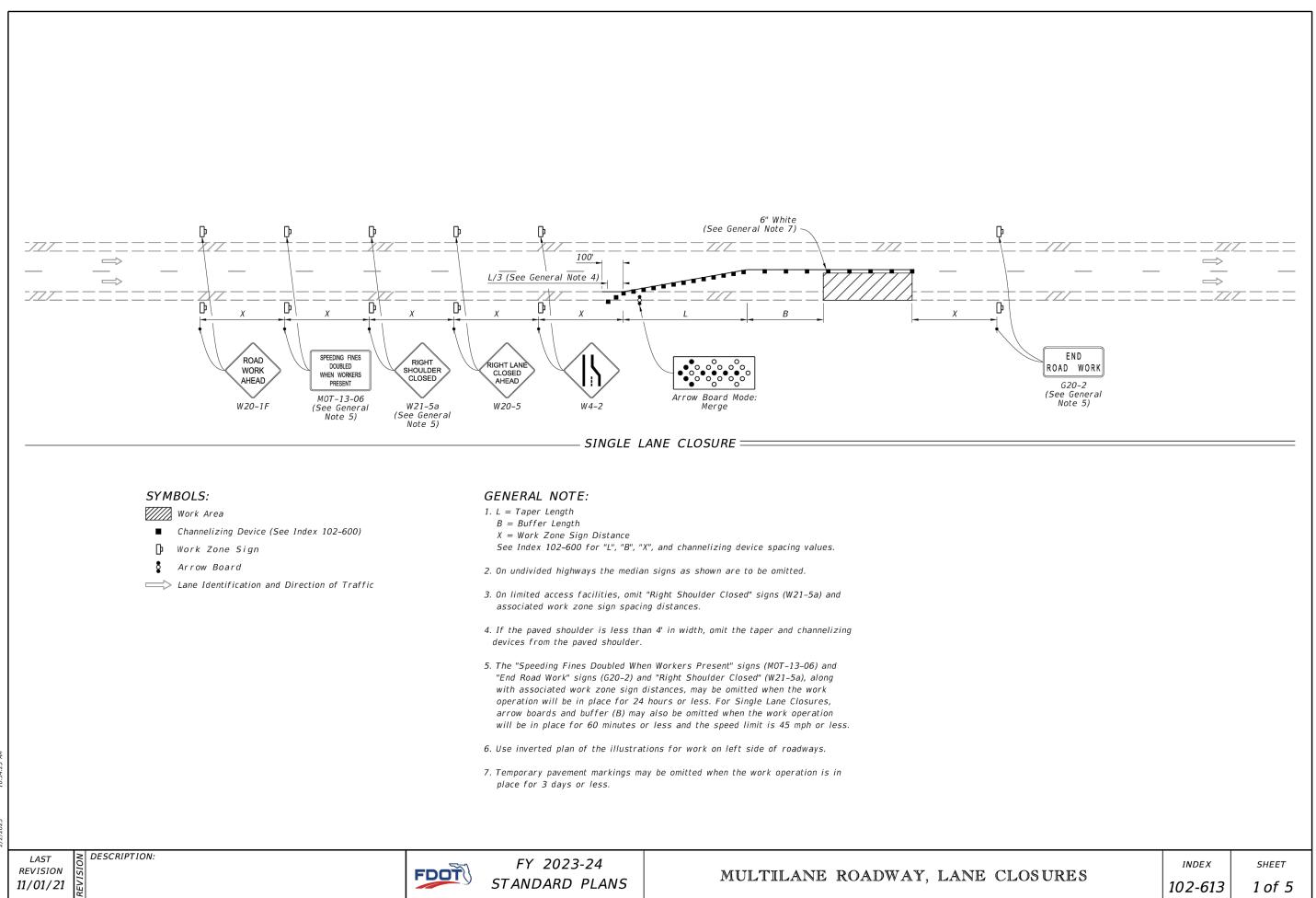
- REVISIONS -	BY	DATE		BY	DATE
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
	•	•	APPROVED	SKM	10/30/23

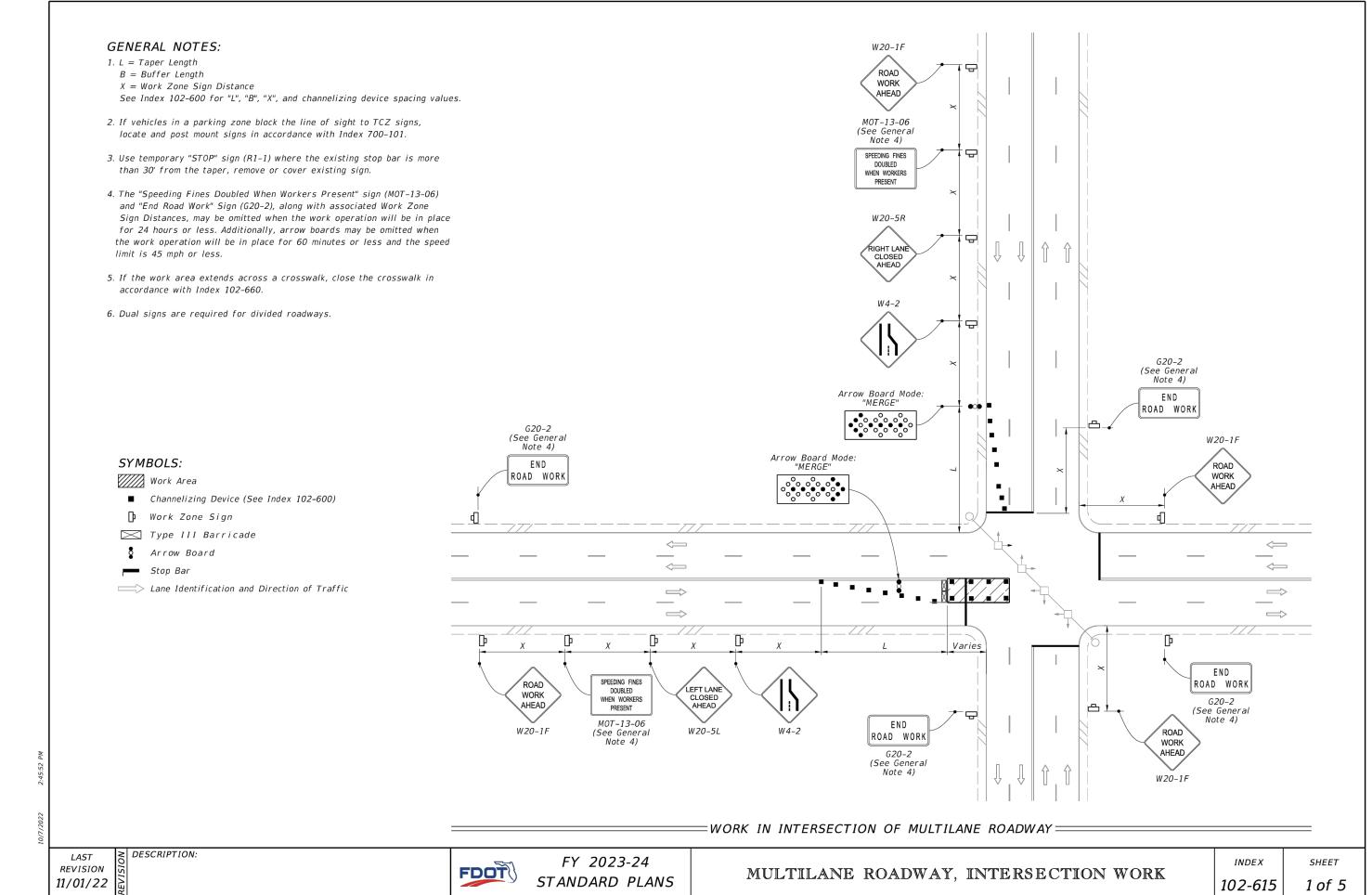
PORT ST. LUCIE BLVD & CAMEO BLVD INTERSECTION IMPROVEMENTS STORMWATER POLLUTION PREVENTION NOTES

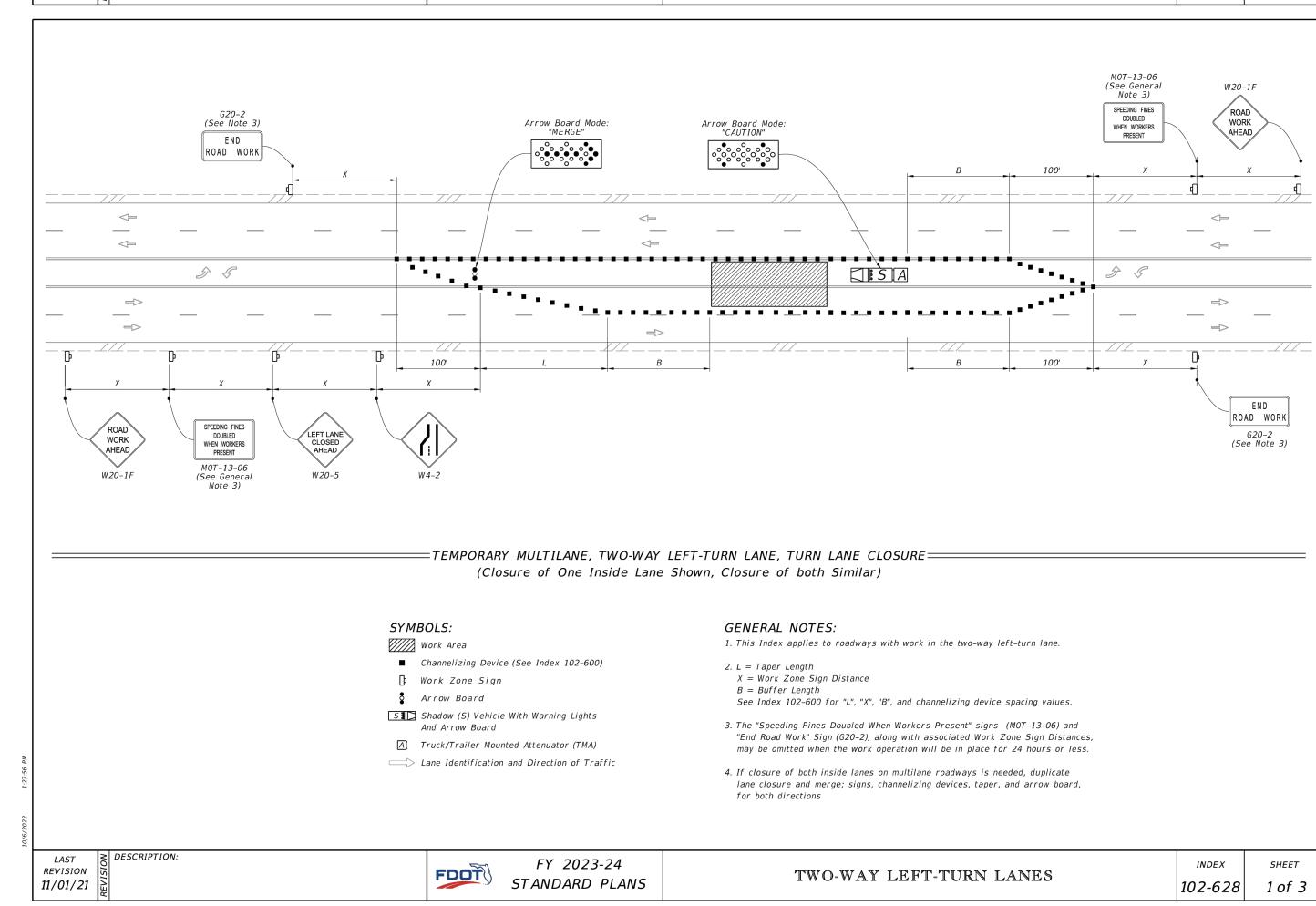
DATE: 10/30/2023 HORIZ. SCALE: N/A VERT. SCALE: N/A JOB No.  $~22\!-\!185$ SHEET 11 of 15

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









1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

**CULPEPPER &** PHONE 772-464-3537 ● FAX 772-464-9497 ● www.ct-eng.com STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -BY DATE DESIGNED CALCS. DRP | 05/15/23 DETAILED CHECKED APPROVED | SKM | 10/30/2

PORT ST. LUCIE BLVD & CAMEO BLVD INTERSECTION IMPROVEMENTS

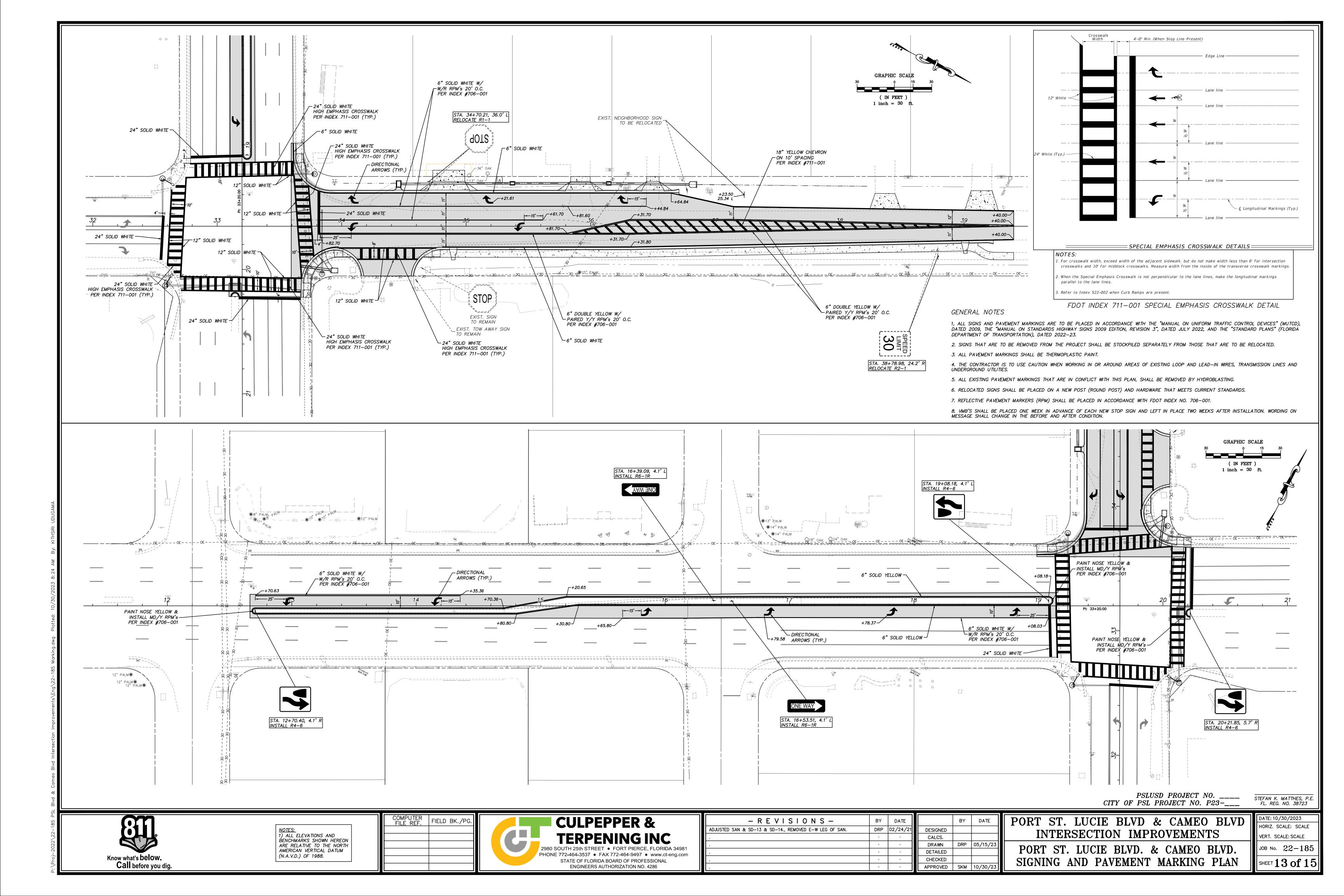
CITY OF PSL PROJECT NO. P23-\_\_\_

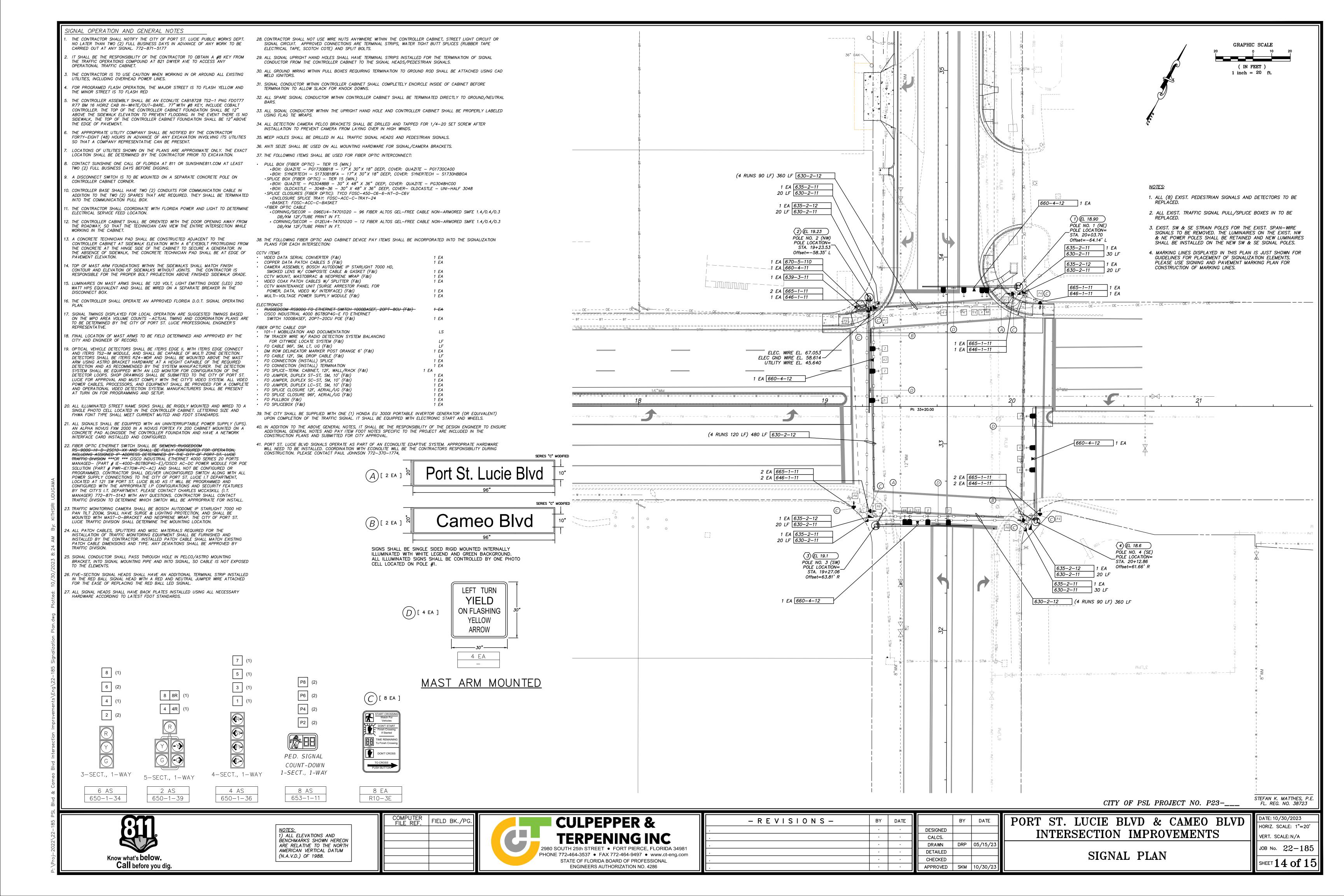
TRAFFIC CONTROL DETAILS

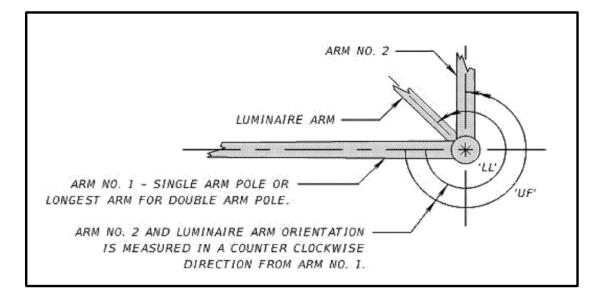
DATE: 10/30/2023 HORIZ. SCALE: N/A VERT. SCALE: N/A JOB No. 22-185 SHEET 12 of 15

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

Call before you dig.

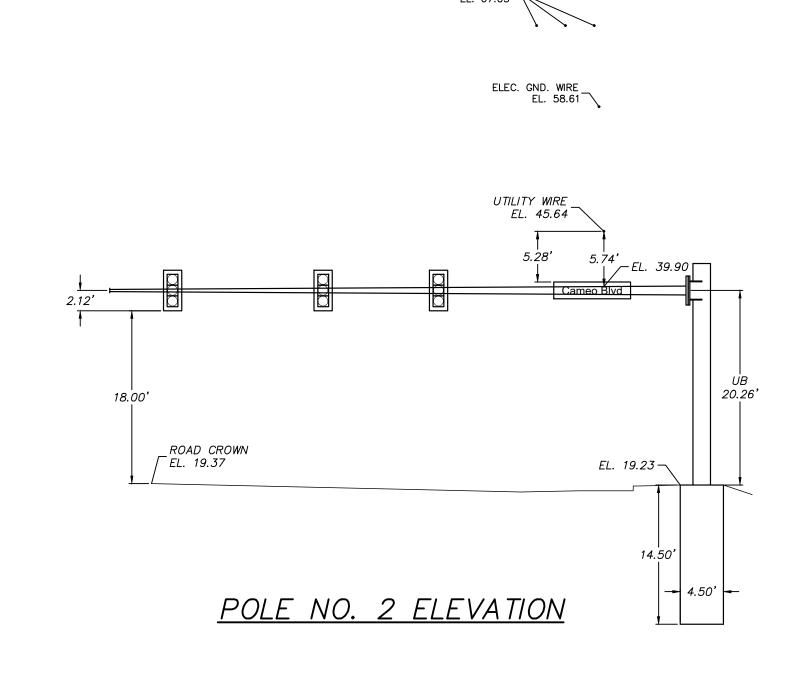






	М	ast Arm Asse	mbly Gener	al Infor	mation				Signal/Sign	Location (Distanc	e from CL of Pol	e) and Size (# I	Heads or Sign Wid	lth x Height)			Mast Arm Assembly Designation & Dimensions (17743 & 5)		
os os Sheet No.	Station	Top of Shaft Elev. Rdwy Crown Elev.	Paint Color Ped. Signal Yes/No	Signal Vert/Horiz	Backplates Luminaire Yes/No	Terminal Compartment Yes/No	al Arm Leng	Signal/Sign 10 Signal/Sign 9	Signal/Sign 8	Signal/Sign 7	Signal/Sign 6	Signal/Sign 5	Signal/Sign 4	Signal/Sign 3	Signal/Sign 2	Signal/Sign 1	Standard Mast Arm Assembly Designation	Arm Mounting Ht. 'UB' (ft)	2 Arm Angle 'UF' (deg) Lum. Angle
1 14	20+03.70 64.14' L	18.9 18.96	NO	Vert. 6	6 in No	1	50				Dist=39.1' Signal: 4 Head	Dist=33.6' Sign: 2.5'x2.5'	Dist=28.1' Signal: 3 Head	Dist=22.6' Camera	Dist=17.1' Signal: 5 Head	Dist=8' Sign: 8'x1.75'	A50/S-P3/S/L-DS/14/4.5	20.2	
2 14	19+23.53 58.35' L	3 19.23 19.37	NO	Vert. 6	6 in No	1	60				Dist=53.7' Signal: 4 Head	Dist=48.2' Sign: 2.5'x2.5'	Dist=38' Signal: 3 Head	Dist=32' Camera	Dist=26' Signal: 3 Head	Dist=10' Sign: 8'x1.75'	A60/S-P4/S/L-DS/14/4.5	##	
3 14	19+27.06 63.81' R	19.10 18.55	NO	Vert. 6	6 in Yes	1	50				Dist=37.6' Signal: 4 Head	Dist=32.1' Sign: 2.5'x2.5'	Dist=26.6' Signal: 3 Head	Dist=21.1' Camera	Dist=15.6' Signal: 5 Head	Dist=8' Sign: 8'x1.75'	A50/S-P3/S/L-DS/14/4.5	##	60
4 14	20+12.86 61.66' R	18.57 19.81	NO	Vert.	6 in Yes	1	60				Dist=55.1' Signal: 4 Head	Dist=49.6' Sign: 2.5'x2.5'	Dist=38.2' Signal: 3 Head	Dist=32.3' Camera	Dist=26.3' Signal: 3 Head	Dist=10' Sign: 8'x1.75'	A60/S-P4/S/L-DS/14/4.5	##	60
						2	,												
						1	,												
						2	)												
						1	)												

	Mast Arm Assembly Optional Dimensions (17745) and Special Instructions													
		Cust	om Arı	m Ler	igth, P	ole H	leigh	Ped. Button	Ped.	Signals	Handhole Loc.			
ID No.	Arm 1 Length 'FAA' (ft.)	Arm 2 Length 'SAA' (ft.)	Pole Height 'UAA' (ft.)	Shaft Length 'DA' (ft.)	Shaft Dia. 'DB' (ft.)	Shaft Bar# 'RA'		Shaft No. Bars 'RB'	Shaft Tie No. Sp. 'RC'	Shaft Tie Sp. 'RD' (in.)				



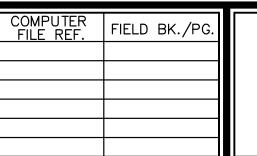
CITY OF PSL PROJECT NO. P23-\_\_\_

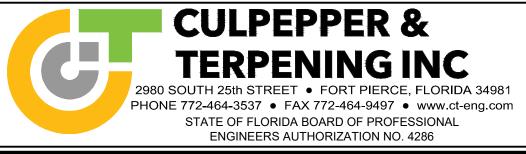
STEFAN K. MATTHES, P.E. FL. REG. NO. 38723

Know what's below.
Call before you dig.

NOTES:

1) ALL ELEVATIONS AND
BENCHMARKS SHOWN HEREON
ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM
(N.A.V.D.) OF 1988.





- REVISIONS -	BY	DATE		BY	DATE
	•	•	DESIGNED		
	•	•	CALCS.		
	•	•	DRAWN	DRP	05/15/23
	•	•	DETAILED		
	•	•	CHECKED		
	•	•	APPROVED	SKM	10/30/23

PORT ST. LUCIE BLVD & CAMEO BLVD INTERSECTION IMPROVEMENTS

SIGNAL TABULATION

DATE: 10/30/2023
HORIZ. SCALE: N/A
VERT. SCALE: N/A

JOB No. 22-185
SHEET 15 of 15