PLANS PREPARED FOR

City of Port Saint Lucie Public Works Department

CONTRACT PLANS

COMPONENTS OF CONTRACT PLANS SET

TULIP BLVD / COLLEGE PARK RD. INTERSECTION IMPROVEMENTS PROJECT

CITY OF PORT ST. LUCIE

INDEX OF PLANS

SHEET NO. SHEET DESCRIPTION

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* ROADWAY CONSTRUCTION PLANS

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9 TEMPORARY TRAFFIC CONTROL DETAILS
10-11 SIGNING AND PAVEMENT MARKING PLANS

12 SIGNAL MODIFICATION PLAN

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

nttp.//www.raot.gov/design/Standarupians.shtn

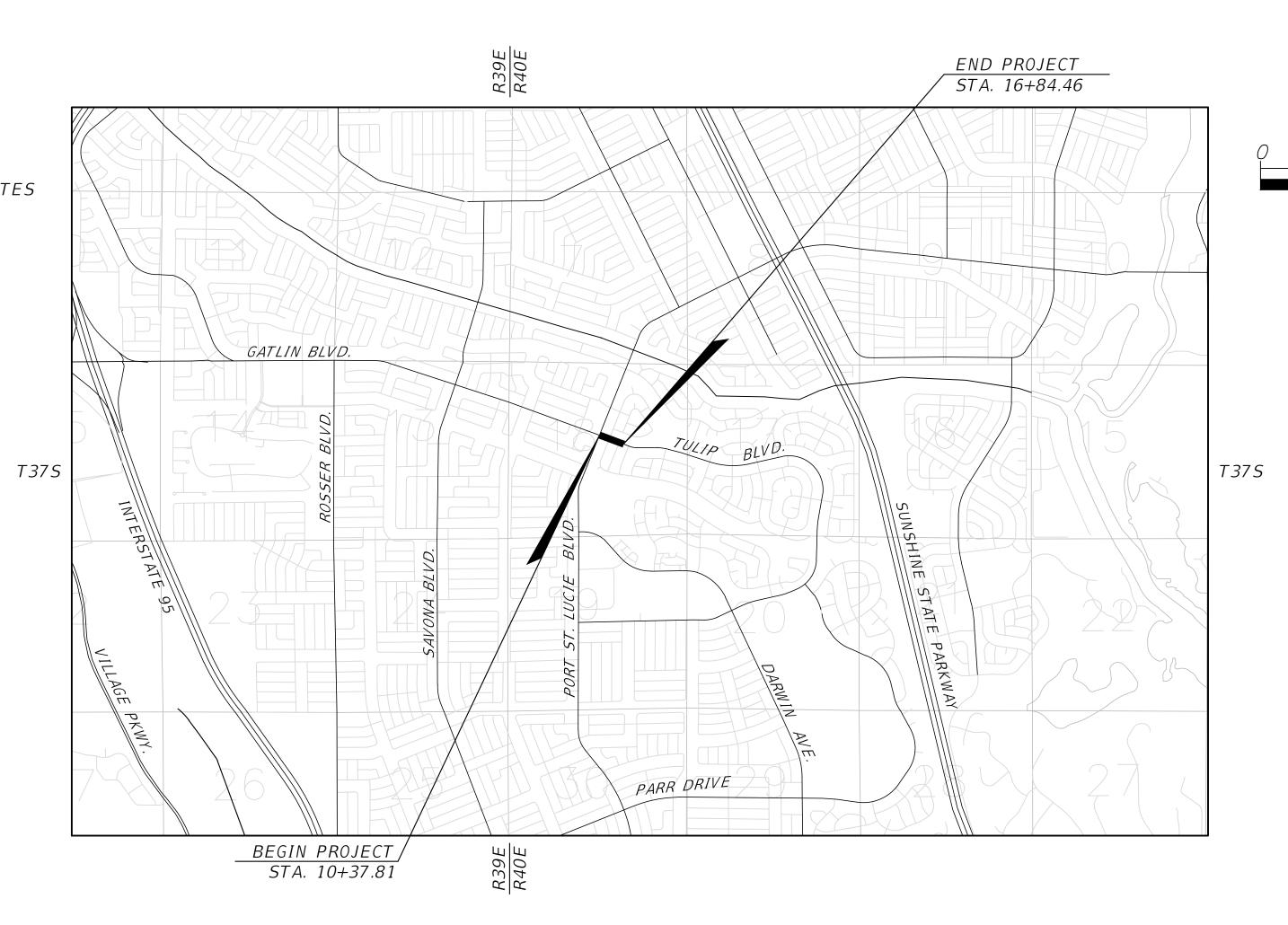
APPLICABLE IRs:

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



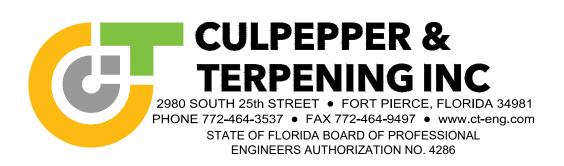
CONSTRUCTION SHOP DRAWINGS TO BE SUBMITTED TO:

LOCATION OF PROJECT

ST AUGUSTINE

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.

LENG7	TH OF PROJEC	CT
	LIN. FT.	MILES
UTILITY	0 LF	0.000
ROADWAY	646.65 LF	0.122
BRIDGES	0 LF	0.000
EXCEPTIONS		
GROSS LENGTH OF PROJ.	646.65 LF	0.122

	KEY .	SHEET REVISIONS
DATE	BY	DESCRIPTION

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

P.E. NO. : 38723

BID SET PLANS JULY 17, 2023

PSLUSD PROJECT NO. _____
CITY OF PSL PROJECT NO. P22-___

C&T JOB NO.: 20-247.002

FISCAL YEAR	SHEET NO.
23	1

REVISIONS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION/GENERAL CONDITIONS/BONDS/MOT	LS	1
104-10-3	SEDIMENT BARRIER (HAY BALES)	LF	120
104-12	STAKED TURBIDITY BARRIER	LF	1450
04-15	SOILS TRACKING DEVICE INLET PROTECTION SYSTEM	EA EA	8
10-1	CLEARING & GRUBBING	AC	0.83
10-4-10	REMOVAL OF EXISTING CONCRETE	SY	1200
20-1	REGULAR EXCAVATION	CY	1,431
20-6	EMBANKMENT	CY	420
60-4	TYPE B STABILIZATION (12" THICK)	SY	4,962
285-710	OPTIONAL BASE, BASE GROUP 09 (LBR 100)(10" THICK)	SY	4,244
634-1-13A	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-12.5) (2" THICK)	TON	466.9
637-7-13B	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-12.5) (3" THICK) (SPEED TABLE/RAISED	TON TON	16.0 233.5
37-7-82 25-1-341	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-9.5) (1" THICK) INLETS, CURB, TYPE P-4, (REPLACE EXISTING INLET)	EA	233.5
125-1-351	INLETS, CURB, TYPE P-5, (REPLACE EXISTING INLET)	EA	1
125-1-910	INLETS, GUTTER, CLOSED FLUME	EA	2
125-10	YARD DRAIN	EA	1
125-11	MODIFY EXISTING DRAINAGE STRUCTURE (MANHOLE TOP)	EA	3
25-2-41	MANHOLE, P-7 <10'	EA	1
25-5	MANHOLE, ADJUST TOP	EA	2
30-174-115A	PIPE CULVERT, HPPP, ROUND, 15"	LF	35
30-174-115B	PIPE CULVERT, CAP, ROUND, 15"	LF	92
30-174-215	PIPE CULVERT, RCP, ELLIPTICAL 12" x 18" MITERED END SECTION, OPTIONAL, ROUND, 15"	LF EA	83
100-9-02-123 100-0-11	CONCRETE CLASS NS, GRAVITY WALL (WITH REINFORCING STEEL)	CY	20
515-1-2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	83
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	1,710
520-2-4	CONCRETE CURB, TYPE D	LF	44
520-5-11	TRAFFIC SEPARATOR CONCRETE TYPE I, 4' WIDE	LF	310
522-1	CONCRETE SIDEWALK - 4" THICK	SY	637
522-2	CONCRETE SIDEWALK - 6" THICK	SY	140
523-1	PATTERNED PAVEMENT - VEHICULAR AREAS (STAMPED CONCRETE)	SY	86
523-2	PATTERNED PAVEMENT - NON-VEHICULAR AREAS (STAMPED CONCRETE)	SY	96
527-2	DETECTABLE WARNINGS	SF	108
570-1-2	PERFORMANCE TURF, SOD	SY	2,512
700-1-11A	SINGLE POST SIGN, F&I GM, < 12 SF (STOP)(R1-1)	EA	3
700-1-11B 700-1-11C	SINGLE POST SIGN, F&I GM, < 12 SF (SPEED LIMIT 25 MPH)(R2-1) SINGLE POST SIGN, F&I GM, < 12 SF (RIGHT LANE MUST TURN RIGHT)(R3-7R)	EA EA	1 1
700-1-11D	SINGLE POST SIGN, F&I GM, < 12 SF (RIGHT TURN ONLY)(R3-5R)	EA	1
700-1-11E	SINGLE POST SIGN, F&I GM, < 12 SF (TURNING LANE MUST YIELD TO PEDESTRIANS)(R10-15)	EA	2
700-1-11F	SINGLE POST SIGN, F&I GM, < 12 SF (KEEP RIGHT)(R4-7)	EA	2
700-1-11G	SINGLE POST SIGN, F&I GM, < 12 SF (ONE WAY)(R6-1)	EA	2
700-1-11H	SINGLE POST SIGN, F&I GM, < 12 SF (SPEED TABLE/20 MPH)(W17-01 & W13-1P)	EA	2
700-1-11I	SINGLE POST SIGN, F&I GM, < 12 SF (SPEED TABLE/AHEAD)(W17-01 & W16-9P)	EA	2
700-1-11J	SINGLE POST SIGN, F&I GM, < 12 SF (RAISED CROSSWALK/15 MPH)(W17-01 & W13-1P)	EA	2
700-1-11K	SINGLE POST SIGN, F&I GM, < 12 SF (PEDESTRIAN CROSSING/AHEAD)(W11-2 & W16-9P)	EA	2
700-1-11L 700-1-50	SINGLE POST SIGN, F&I GM, < 12 SF (PEDESTRIAN CROSSING/ARROW)(W11-2 & W16-7P) SINGLE POST SIGN, RELOCATE	EA EA	4
700-1-30	SINGLE POST SIGN, RELOCATE SINGLE POST SIGN, REMOVE	EA EA	17
554-3-10	PEDESTRIAN HYBRID BEACON, SOLAR, F&I, COMPLETE W/SIGNS (PEDESTRIAN CROSSING/ARR	AS	2
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	EA	250
711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	2,185
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	581
11-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	451
711-11-141A	THERMOPLASTIC, STANDARD, WHITE, 6", SKIP (10' - 6')	LF	126
711-11-141B	THERMOPLASTIC, STANDARD, WHITE, 6", SKIP (2' - 2')	LF	37
711-11-160A 711-11-160B	THERMOPLASTIC, STANDARD, WHITE, MESSAGE (ONLY) THERMODI ASTIC STANDARD, WHITE MESSAGE (TARLE CHEVRONS)	EA EA	1
711-11-1608	THERMOPLASTIC, STANDARD, WHITE, MESSAGE (TABLE CHEVRONS) THERMOPLASTIC, STANDARD, WHITE, ARROW	EA EA	4 11
11-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	1,765
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, SKIP, (2' - 2')	LF	184
530-2-12	2" CONDUIT, F&I, DIRECTIONAL BORE	LF	120
635-2-11A	PULL BOX (F&I) 13" x 24" COVER, F&I	EA	2
535-2-11B	PULL BOX (F&I) 13" x 24" COVER - ADJUST	EA	2
39-1-410	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND (STREET LIGHT)	AS	1
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED	LF	120
715-4-11	LIGHT POLE COMPLETE, F&I, ALUMINUM, 30'	EA	1
532-7-1	SIGNAL CABLE - NEW FOR ADDITIONAL HEAD, F&I	PI EA	1
650-1-26 650-1-70	VEH TRAFFIC SIGNAL, F&I, POLY W/AL, 4S VEH TRAFFIC SIGNAL, RELOCATE	EA EA	3
570-5400	TRAFFIC SIGNAL, RELOCATE TRAFFIC CONTROLLER, MODIFY	EA EA	1
.080-24106	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, WM - ADJUST	EA	8
1080-24107	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, GM - ADJUST	EA	1
1080-24108	UTILITY FIXTURE - VALVE ASSEMBLY, F&I, FM - ADJUST	EA	2
.644-112-06	FIRE HYDRAN'T ASSEMBLY ADJUS'T	EA	1

PAY ITEM NOTES

700-1-11A PAY ITEM INCLUDES ALL WORK ASSOCIATED WITH FURNISHING & INSTALLING DECORATIVE SIGN ASSEMBLIES AND STREET NAME HOLDERS AND BLADES.

> DECORATIVE STOP SIGN ASSEMBLY - 15' X 4" X .125 ROUND ALUMINUM POST POWDER COATED (PC) BLACK, 10" X 10" BASEPLATE, MIDDLETOWN POST BASE - PC BLACK, 4" BALL FINIAL - PC BLACK, 6" X 5/8" BREAKAWAY BOLT. COUPLING. 5/8" NUTS & WASHERS SQ., 21" J-BOLTS W/ WASHER SET. SIGN BRACKET SET - PC BLACK. 30" R1-1 STOP SIGN DG3 SIGN, 32" OCTAGON RAISED BACKER, 24" X 48" PRECAST FOOTER.

STREET NAME SIGN HOLDERS FOR DECORATIVE POSTS - 36" X 9" AND 42" X 9" PLAIN BLADE HOLDERS, BLACK BLADE HOLDERS, INCLUDES BLACK HARDWARE TO MOUNT.

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	IVAN ARILL	(772) 460-4441
COMCAST CABLE	RICK JOHNSON	(561) 402-4513
FLORIDA POWER & LIGHT, CO.	DIANA VILLEGAS	(772) 337-7011
PSLUSD	LANEY SOUTHERLY, P.E.	(772) 807-4452
CITY OF PSL TRAFFIC OPS	PAUL JOHNSON	(772) 871-5182

(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

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

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

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

23. IN REFERENCE TO THE PROPOSED DRAINAGE STRUCTURES & PIPE:

- A. CONCRETE PIPE CULVERT (R.C.P.) SHALL BE CLASS II, WALL B UNLESS OTHERWISE
- 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 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 FOR MANHOLES ARE MEASURED TO THE CENTER OF THE RIM.

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

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

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.

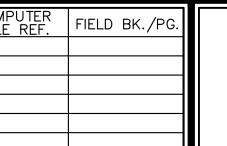
PSLUSD PROJECT NO. ____ CITY OF PSL PROJECT NO. P22-___

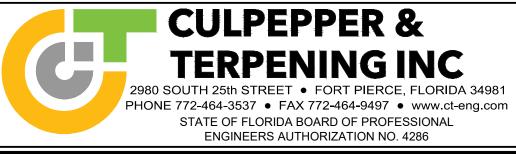
DATE: 06/26/2023

STEFAN K. MATTHES, P.E.

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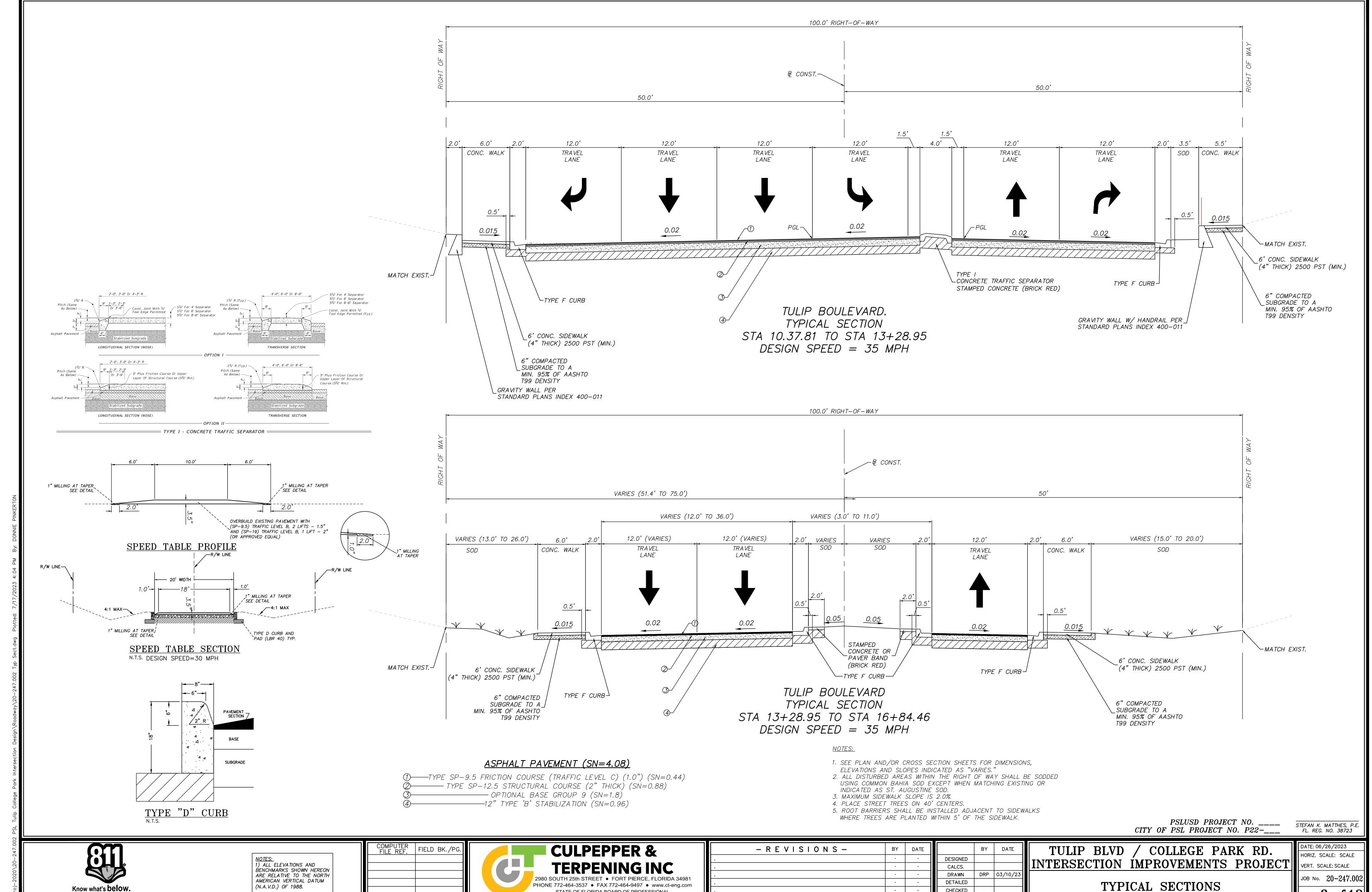
1) ALL ELEVATIONS AND BENCHMARKS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.



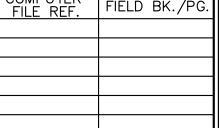


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TULIP BLVD / COLLEGE PARK RD.



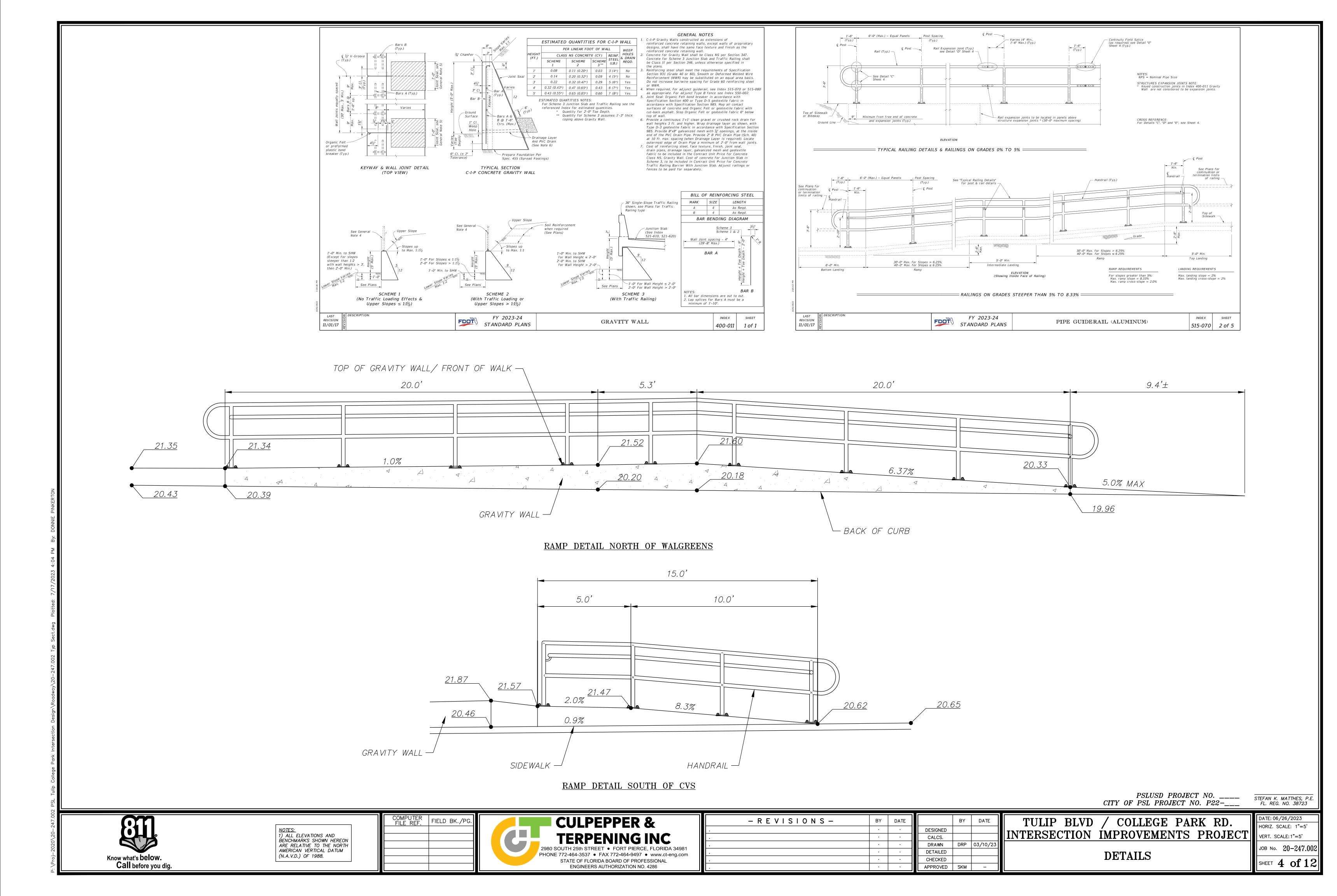
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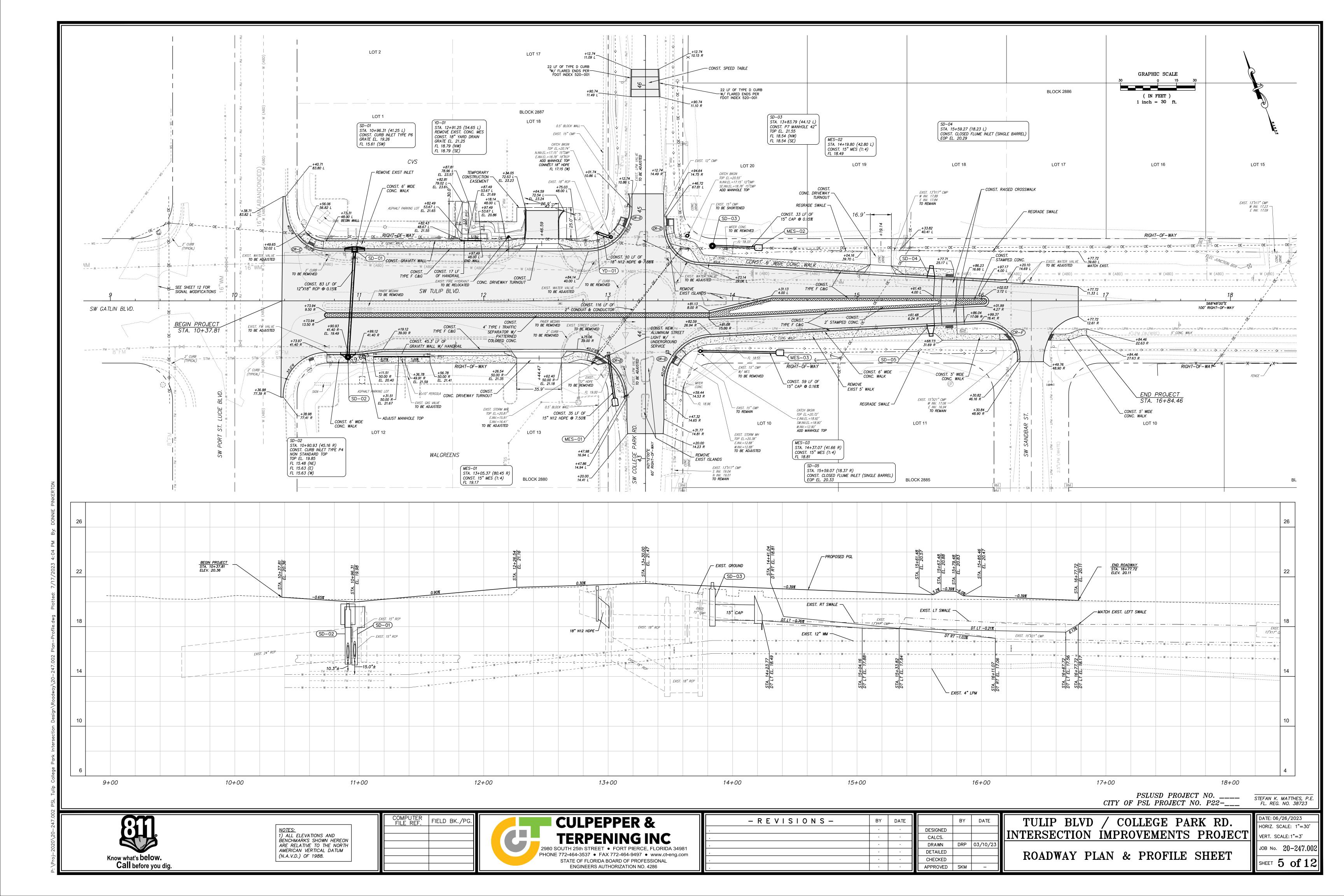


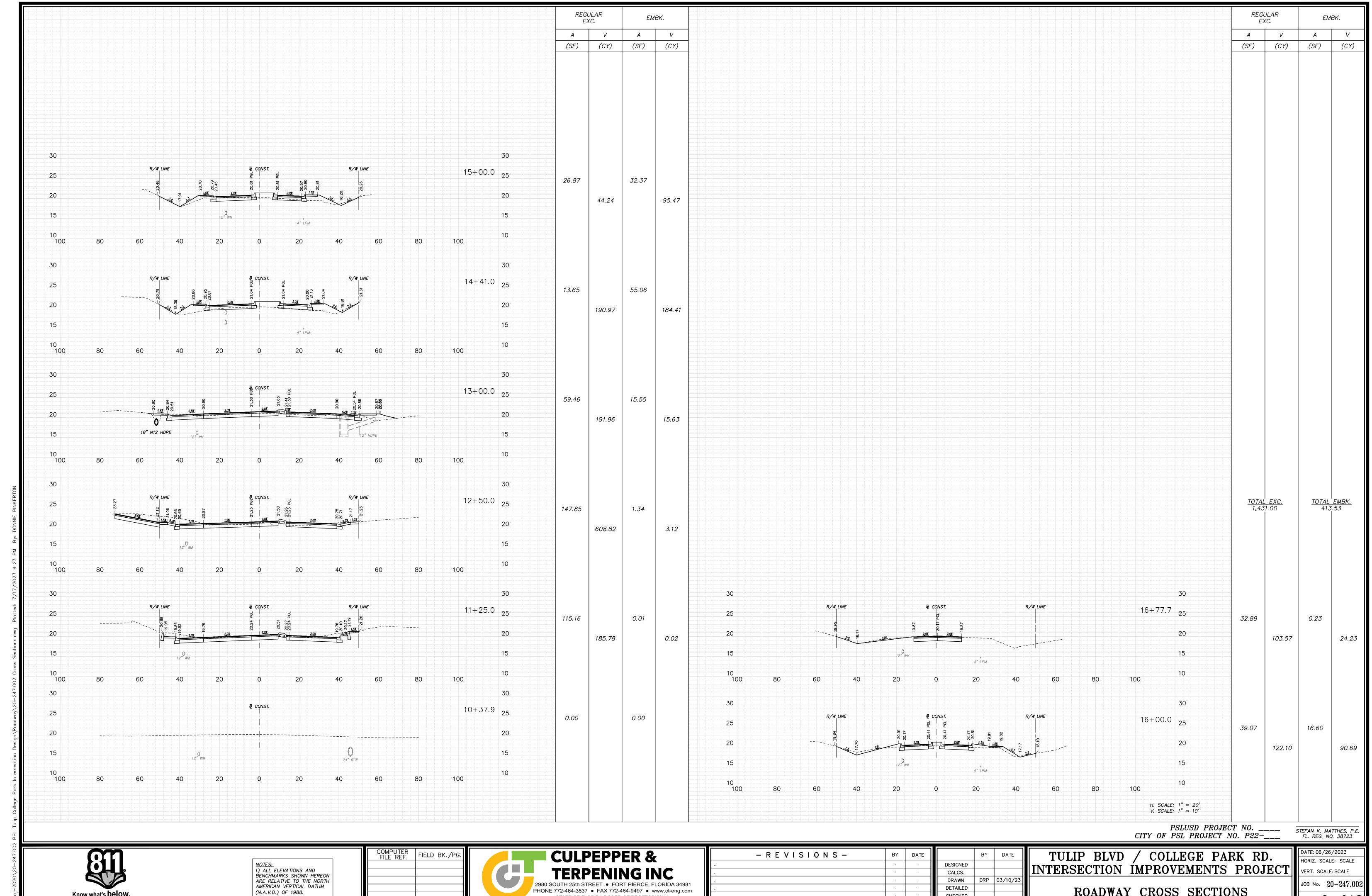
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

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SHEET 3 of 12

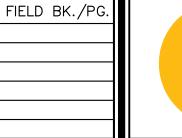






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(N.A.V.D.) OF 1988.

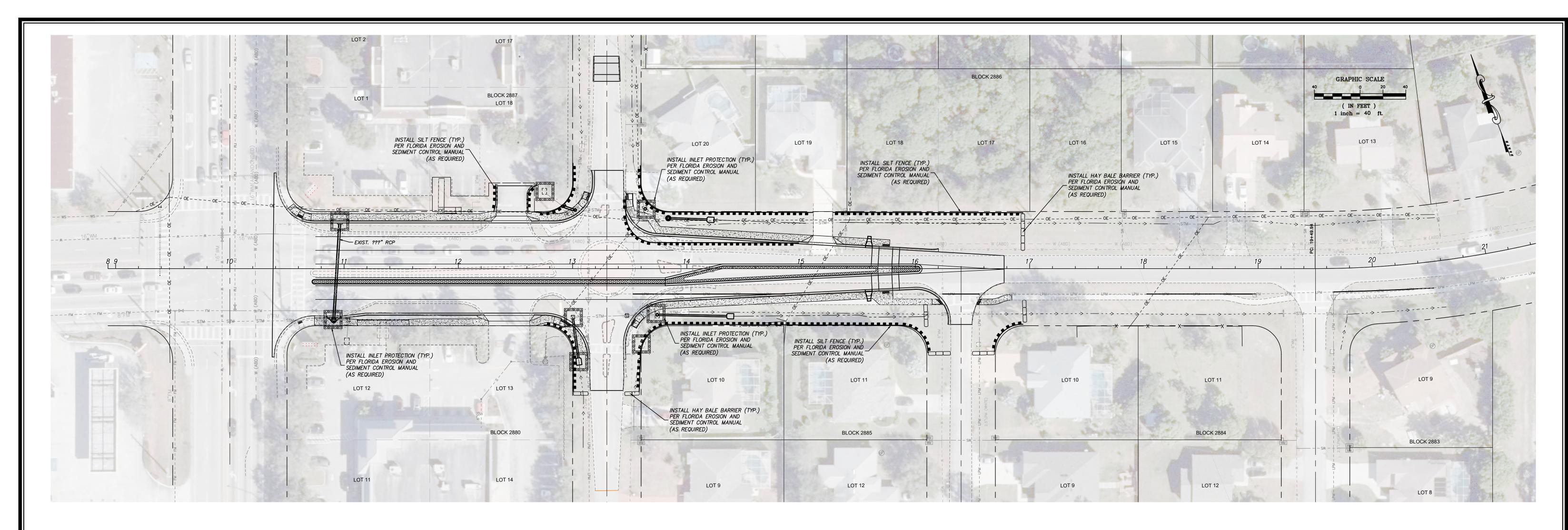


STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

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SHEET 6 of 12

ROADWAY CROSS SECTIONS



<u>LEGEND</u>

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

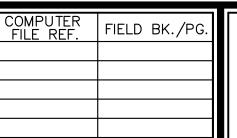
DENOTES HAY BALE BARRIER PER FLORIDA EROSION AND SEDIMENT CONTROL MANUAL

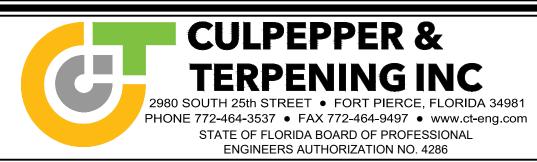
PSLUSD PROJECT NO. ____ STEFAN K. MATTHES, P.E. CITY OF PSL PROJECT NO. P22-___ FL. REG. NO. 38723

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.





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TULIP BLVD / COLLEGE PARK RD. INTERSECTION IMPROVEMENTS PROJECT STORMWATER POLLUTION PREVENTION PLAN

DATE: 06/26/2023 HORIZ. SCALE: SCALE VERT. SCALE: SCALE JOB No. 20-247.002SHEET 7 of 12

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

1.C. AREA ESTIMATED

TOTAL SITE AREA: 1.7 ± AC
TOTAL AREA TO BE DISTURBED: 1.7 +

TOTAL AREA TO BE DISTURBED: 1.7 \pm AC

1.D. RUNOFF DATA:

AFTER: 0.53

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

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.

TEMPORARY:

-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:

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.

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

- 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 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 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.

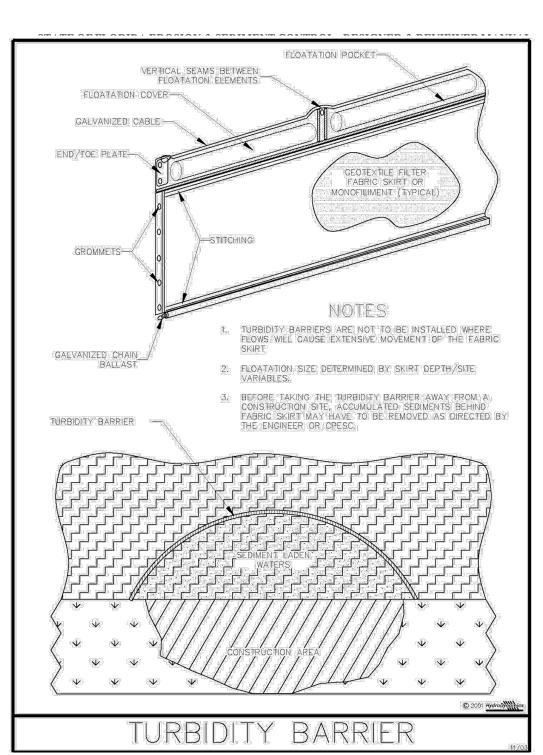


Figure V-44: Illustration of a Turbidity Barrier Curtain

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

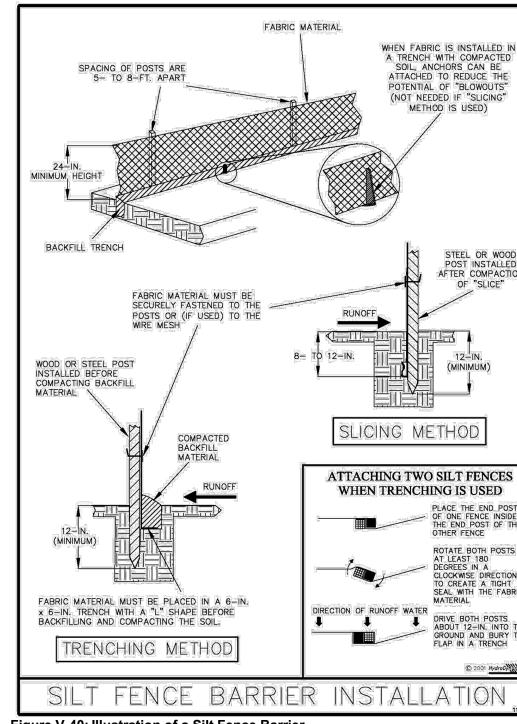


Figure V-40: Illustration of a Silt Fence Barrier

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V-7

CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

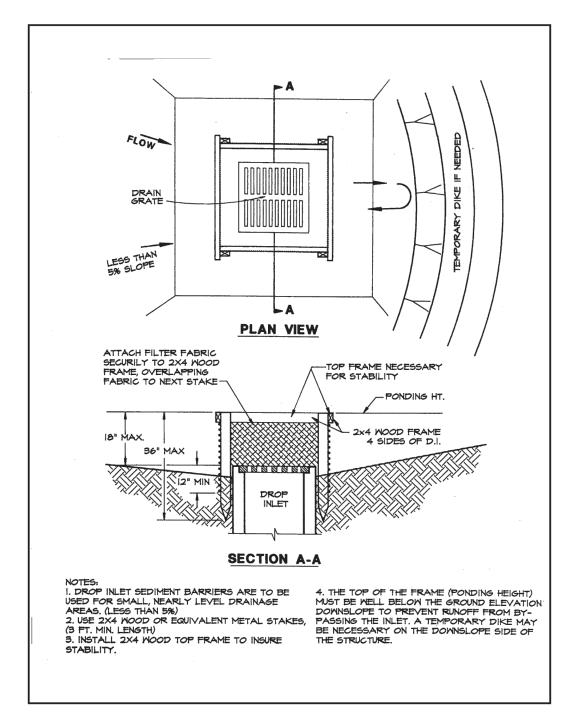


Figure 4.5a. Silt Fence Drop Inlet Sediment Barrier Source: Erosion Draw

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

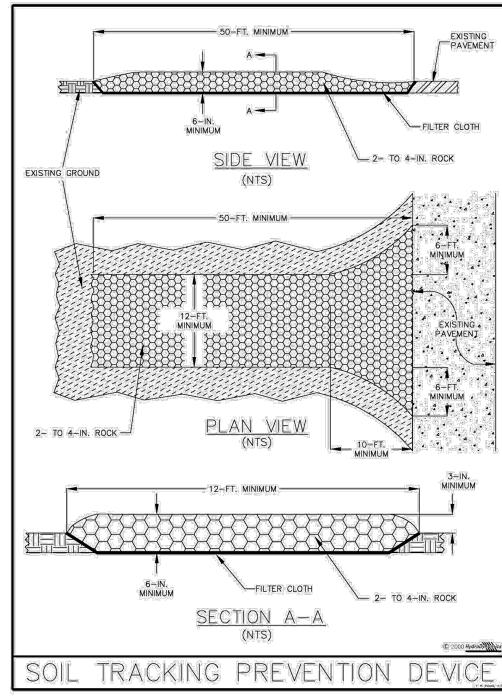


Figure V-52: Illustration of a Soil Tracking Prevention Device

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V-31

PSLUSD PROJECT NO. _____
CITY OF PSL PROJECT NO. P22-___

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

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NOTES:

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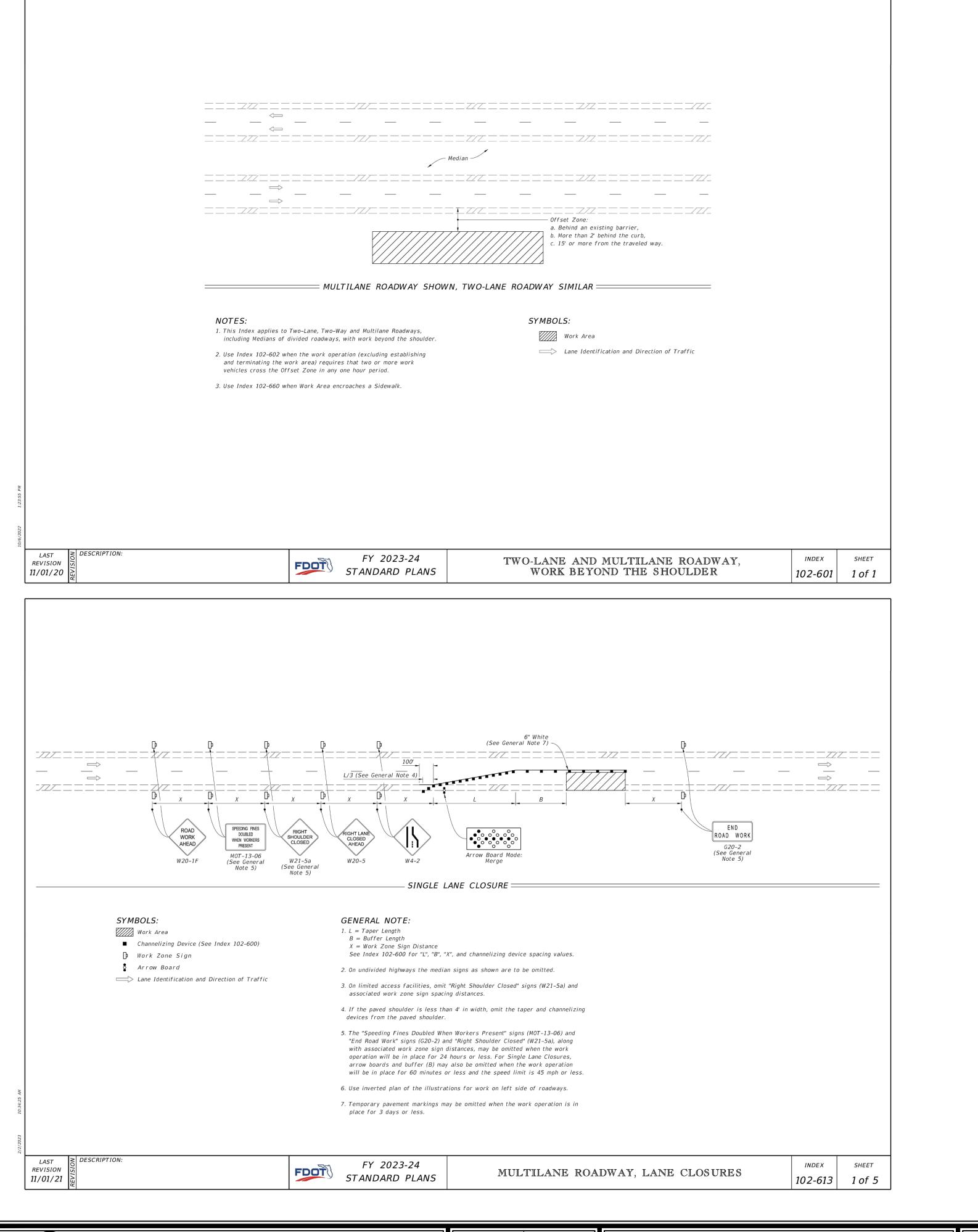
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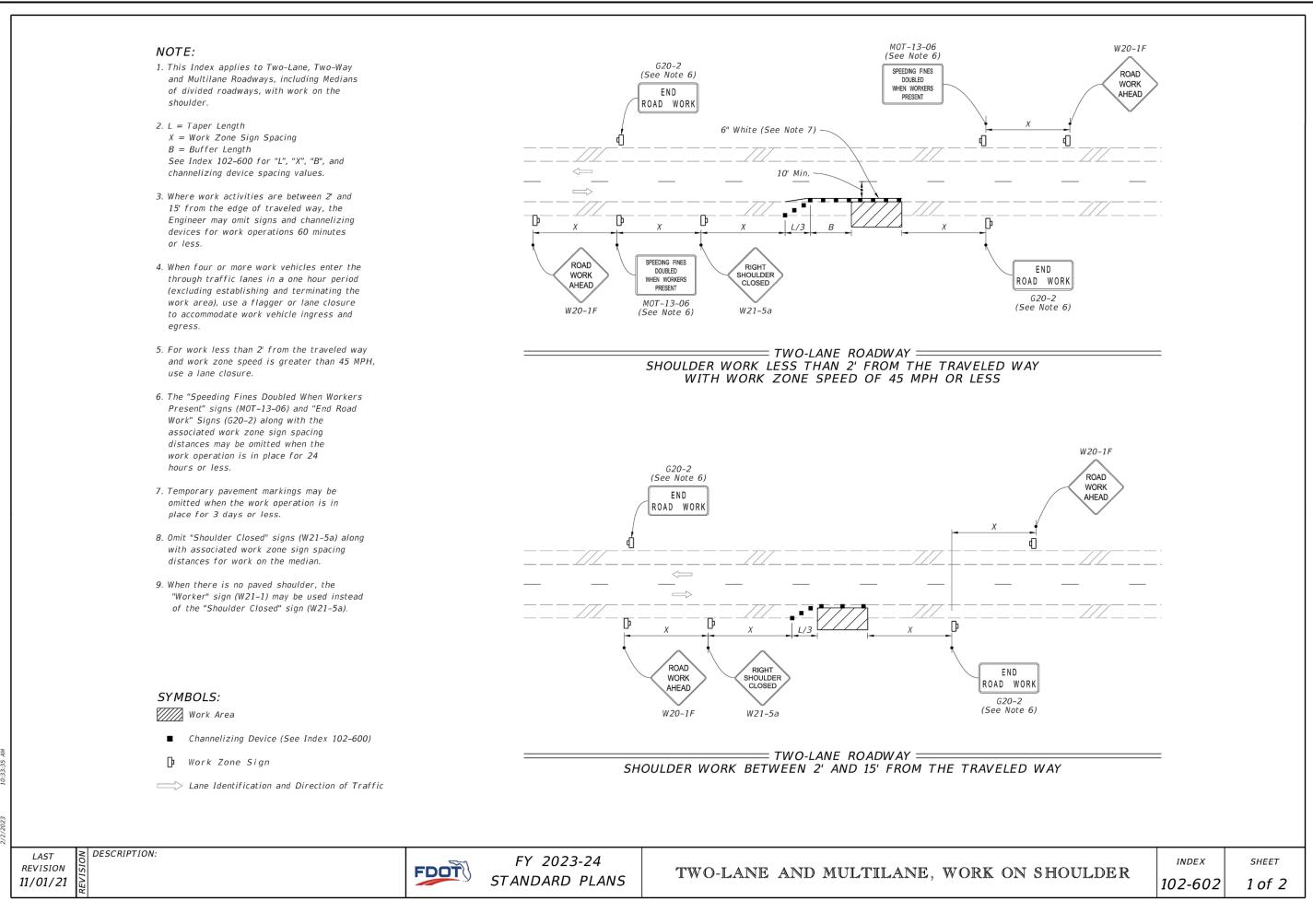
TULIP BLVD / COLLEGE PARK RD.
INTERSECTION IMPROVEMENTS PROJECT
STORMWATER POLLUTION PREVENTION
PLAN NOTES

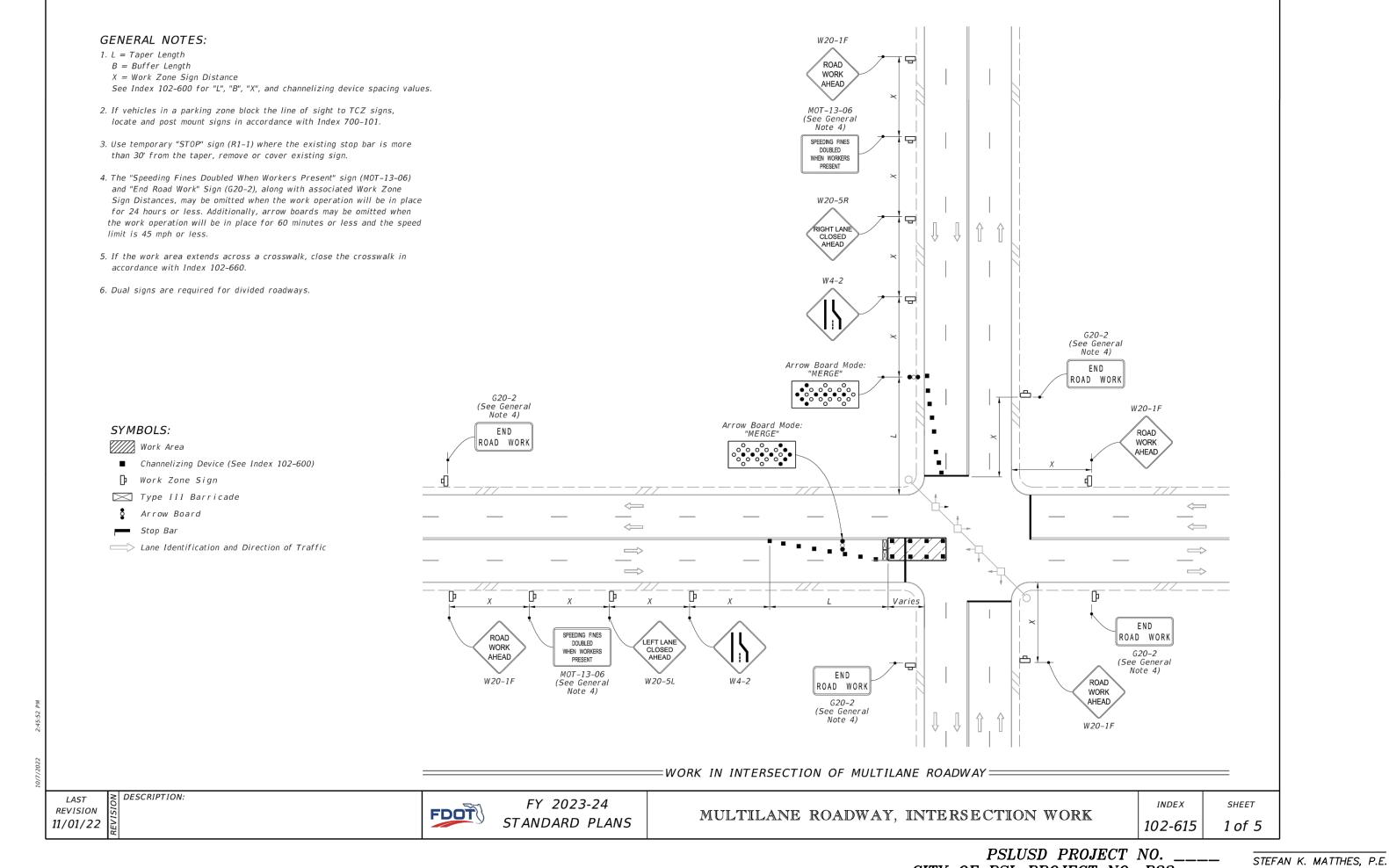
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JOB No. 20-247.002

SHEET **8 of 12**

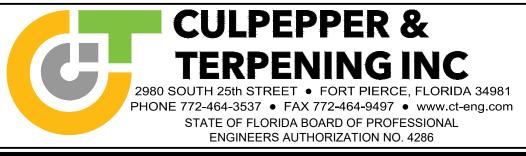






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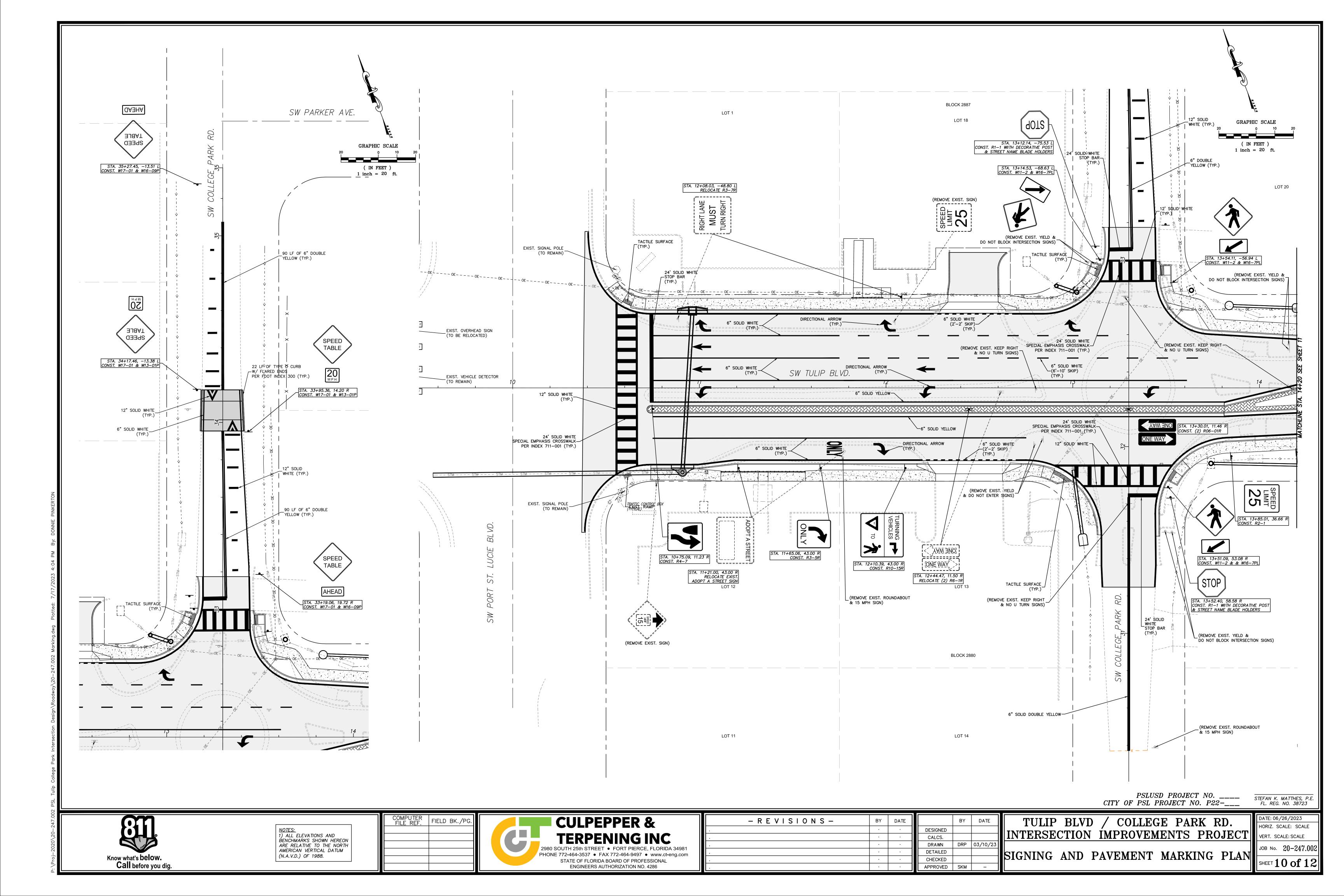
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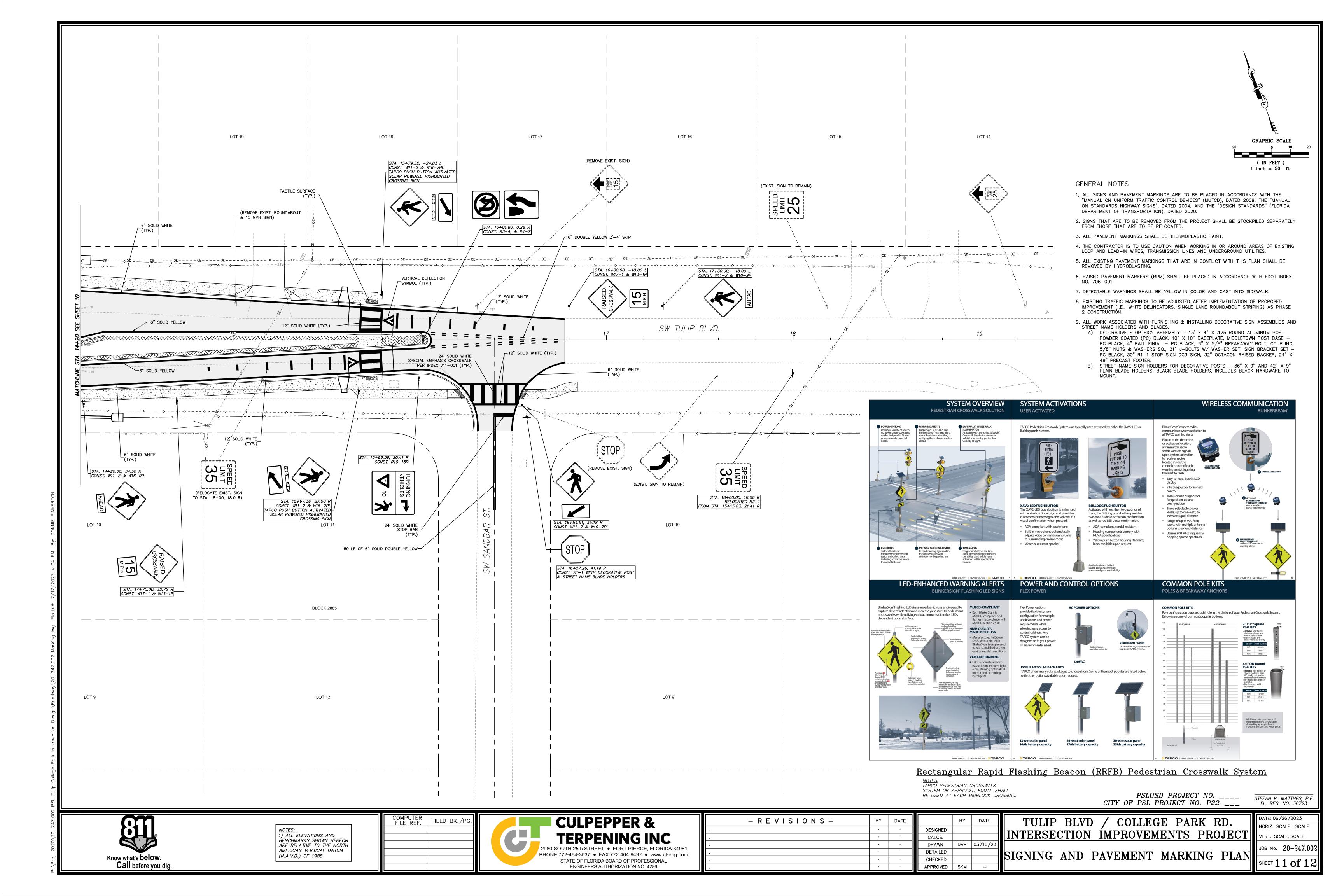
TULIP BLVD / COLLEGE PARK RD. INTERSECTION IMPROVEMENTS PROJECT TEMPORARY TRAFFIC CONTROL DETAILS

DATE: 06/26/2023 HORIZ. SCALE: N/A VERT. SCALE: N/A JOB No. 20-247.002SHEET 9 of 12

FL. REG. NO. 38723

CITY OF PSL PROJECT NO. P22-___





- 2. DURING EMERGENCY OPERATION PHASES 2 AND 6 ARE TO FLASH YELLOW AND PHASES 4 AND 8 ARE TO FLASH RED.
- 3. THE CONTRACTOR SHALL NOTIFY THE CITY OF PORT ST. LUCIE PUBLIC WORKS DEPT.
 NO LATER THAN TWO (2) FULL BUSINESS DAYS IN ADVANCE OF ANY WORK TO BE
- CARRIED OUT AT ANY SIGNAL. 772-871-5177

 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A #8 KEY FROM
- THE TRAFFIC OPERATIONS COMPOUND AT 821 DWYER AVE TO ACCESS ANY OPERATIONAL TRAFFIC CABINET.
- 5. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.6. FOR PROGRAMED FLASH OPERATION, THE MAJOR STREET IS TO FLASH YELLOW AND
- THE MINOR STREET IS TO FLASH RED.

 7. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR FORTY—EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES
- 8. LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.

SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.

- 9. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 811 OR SUNSHINE811.COM AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
- 10. THE CONTROLLER SHALL OPERATE AN APPROVED FLORIDA D.O.T. SIGNAL OPERATING PLAN
- 11. ALL SIGNALS SHALL BE EQUIPPED WITH AN UNINTERRUPTABLE POWER SUPPLY (UPS).
 AN ALPHA NOVUS FXM 2000 IN A NOVUS FORTEX FX 200 CABINET MOUNTED ON A
 CONCRETE PAD ALONGSIDE THE CONTROLLER FOUNDATION AND HAVE A NETWORK
 INTERFACE CARD INSTALLED AND CONFIGURED.
- 12. ALL PATCH CABLES, SPLITTERS AND MISC. MATERIALS REQUIRED FOR THE INSTALLATION OF TRAFFIC MONITORING EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. INSTALLED PATCH CABLE SHALL MATCH EXISTING PATCH CABLE DIMENSIONS AND TYPE. ANY DEVIATIONS SHALL BE APPROVED BY
- TRAFFIC DIVISION.

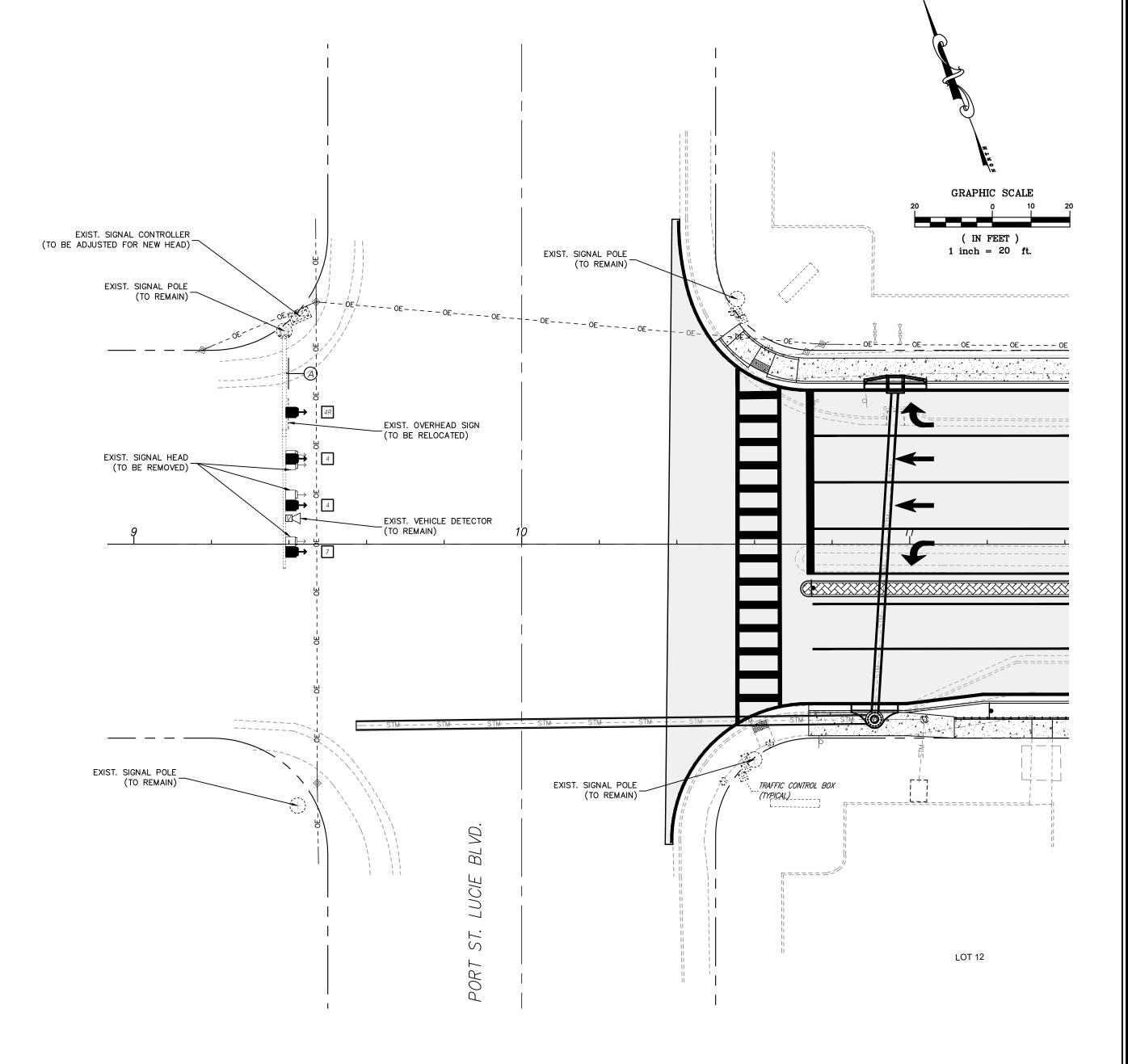
 13. ALL SIGNAL HEADS SHALL HAVE BACK PLATES INSTALLED USING ALL NECESSARY HARDWARE ACCORDING TO LATEST FDOT STANDARDS.
- 14. CONTRACTOR SHALL NOT USE WIRE NUTS ANYWHERE WITHIN THE CONTROLLER CABINET, STREET LIGHT CIRCUIT OR SIGNAL CIRCUIT. APPROVED CONNECTIONS ARE TERMINAL STRIPS, WATER TIGHT BUTT SPLICES (RUBBER TAPE ELECTRICAL TAPE, SCOTCH COTE) AND SPLIT BOLTS.
- 15. ALL GROUND WIRING WITHIN PULL BOXES REQUIRING TERMINATION TO GROUND ROD SHALL BE ATTACHED USING CAD WELD IGNITORS.
- 16. SIGNAL CONDUCTOR WITHIN CONTROLLER CABINET SHALL COMPLETELY ENCIRCLE INSIDE OF CABINET BEFORE TERMINATION TO ALLOW SLACK FOR KNOCK DOWNS.
- 17. ALL SPARE SIGNAL CONDUCTOR WITHIN CONTROLLER CABINET SHALL BE TERMINATED DIRECTLY TO GROUND/NEUTRAL BARS.

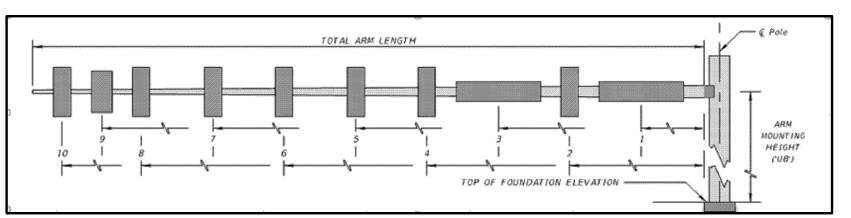
- 18. ANTI SEIZE SHALL BE USED ON ALL MOUNTING HARDWARE FOR SIGNAL/CAMERA BRACKETS.
- 19. IN ADDITION TO THE ABOVE GENERAL NOTES, IT SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE ADDITIONAL GENERAL NOTES AND PAY ITEM FOOT NOTES SPECIFIC TO THE PROJECT ARE INCLUDED IN THE CONSTRUCTION PLANS AND SUBMITTED FOR CITY APPROVAL.
- 20. SIGNAL CONDUCTOR SHALL PASS THROUGH HOLE IN PELCO/ASTRO MOUNTING BRACKET INTO SIGNAL MOUNTING PIPE AND INTO SIGNAL SO CABLE IS NOT EXPOSED TO THE ELEMENTS.
- 21. ALL SIGNAL CONDUCTOR WITHIN THE UPRIGHT HAND HOLE AND CONTROLLER CABINET SHALL BE PROPERLY LABELED USING FLAG TIE WRAPS.
- 22. ALL SIGNAL UPRIGHT HAND HOLES SHALL HAVE TERMINAL STRIPS INSTALLED FOR THE TERMINATION OF SIGNAL CONDUCTOR FROM THE CONTROLLER CABINET TO THE SIGNAL HEADS/PEDESTRIAN SIGNALS.

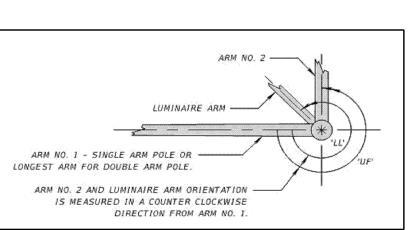


SIGNS SHALL BE SINGLE SIDED RIGID MOUNTED INTERNALLY ILLUMINATED WITH WHITE LEGEND AND GREEN BACKGROUND. ALL ILLUMINATED SIGNS SHALL BE CONTROLLED BY ONE PHOTO CELL LOCATED ON POLE #1.

MAST ARM MOUNTED







	Mast A	m Asse	mbly Genera	l Infor	mation					Signal/Sign	Location (Distanc	te from CL of Po	e) and Size (# F	Heads or Sign Wi	dth x Height)			Mast Arm Assembly E & Dimensions (177	
ID No.	Sheet No. uoitets Top of Shaft	Rdwy Crown Elev.	Paint Color Ped. Signal Yes/No	Signal Vert/Horiz	Backplates Luminaire Yes/No Terminal	Compartment Yes/No	Koadway Arm # Total Arm Length	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
				Vert.	6 in No		1 60					Dist=55.68' Signal: 3 Head	Dist=43.68' Signal: 3 Head	Dist=31.68' Signal: 3 Head		Dist=19.68' Signal: 3 Head	Dist=8' Sign: 96"x20"		
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PSLUSD PROJECT NO. _____ CITY OF PSL PROJECT NO. P22-___

DATE: 06/26/2023 HORIZ. SCALE: 1"=20"

VERT. SCALE: N/A

JOB No. 20-247.002

SHEET 12 of 12

STEFAN K. MATTHES, P.E.

Know what's below.
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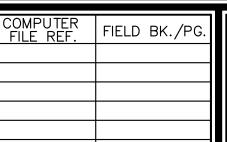
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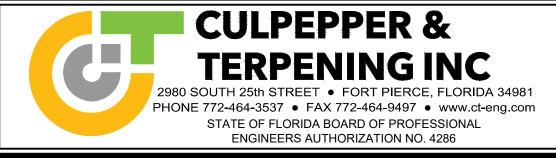
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