

PLANS PREPARED FOR

MATTAMY HOMES

CONTRACT PLANS

SW MARSHALL PARKWAY – PHASE III CONSTRUCTION PLANS CITY OF PORT ST. LUCIE

COMPONENTS OF CONTRACT PLANS SET
* ROADWAY CONSTRUCTION PLANS

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES & SUMMARY OF PAY ITEMS
3	DRAINAGE MAP
4	TYPICAL SECTION
5	PROJECT LAYOUT
6-7	PLAN & PROFILE SHEET
8-9	CROSS SECTION
10	EROSION CONTROL PLAN
11	EROSION CONTROL DETAILS
12	SIGNING & PAVEMENT MARKING PLAN
13	DRAINAGE DETAILS
14	UTILITY DETAILS
15	TRAFFIC CONTROL PLAN GENERAL NOTES

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 at the following website:
<https://www.fdot.gov/design/standardplans>

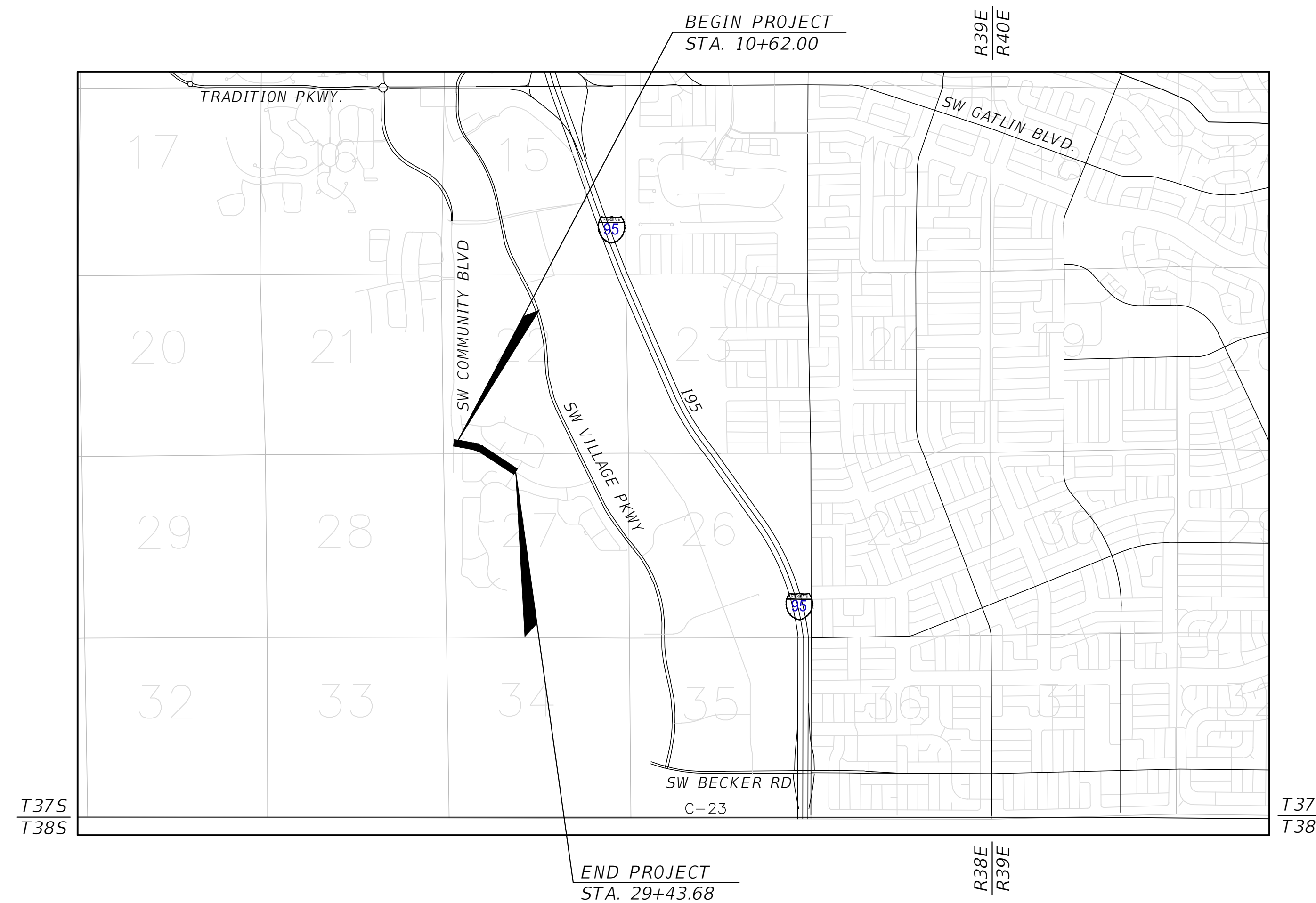
APPLICABLE IRS: <<IR536-001-01, IR521-001-01>> VERIFY

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

Florida Department of Transportation, April 2022 Standard Specifications for Road and Bridge Construction at the following website:

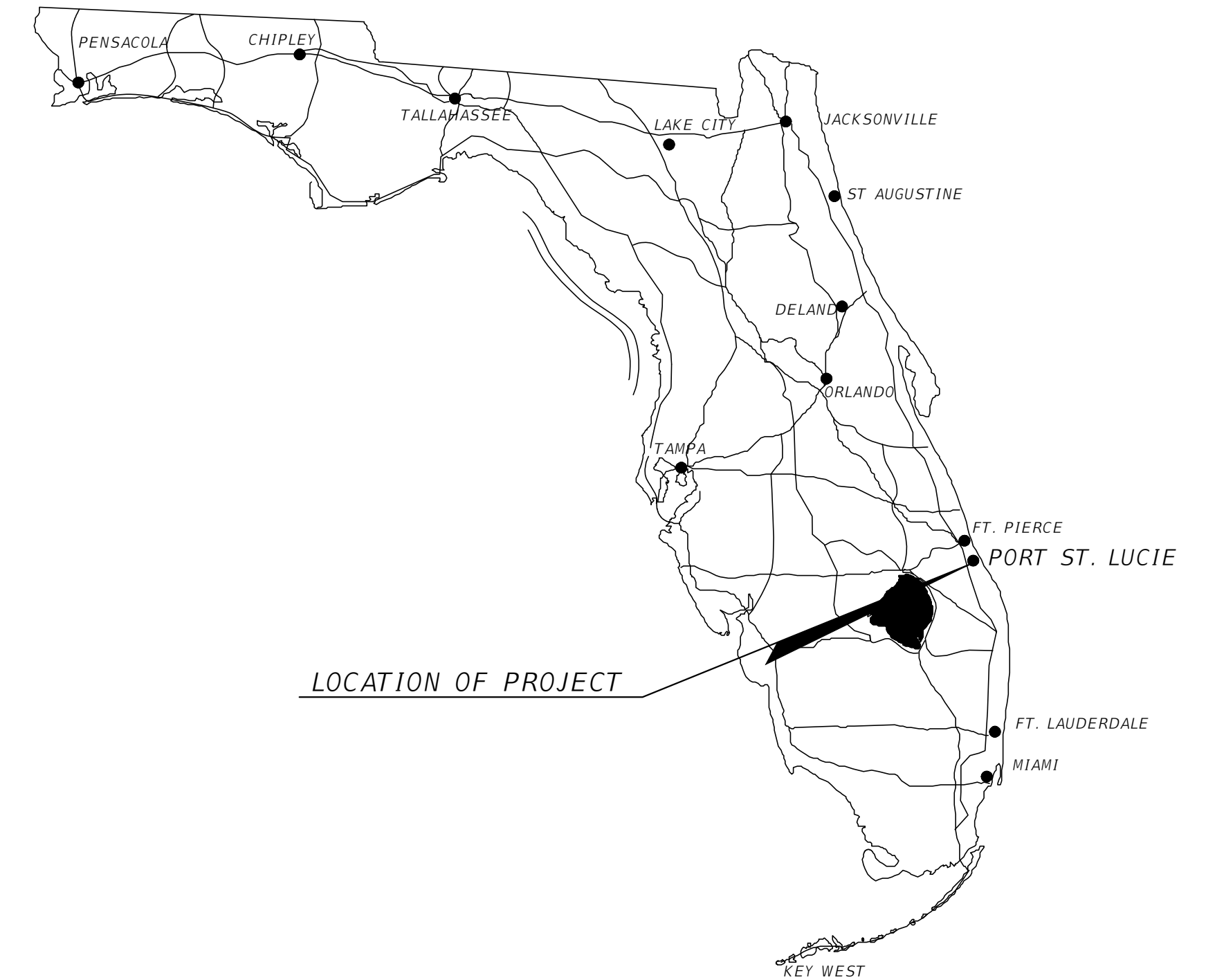
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>
City of Port St. Lucie Utility Systems Department 2019 Utility Standards Manual.

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



LENGTH OF PROJECT		
	LIN. FT.	MILES
UTILITY	0 LF	0.000
ROADWAY	1881.68 LF	0.356
BRIDGES	0 LF	0.000
EXCEPTIONS		
GROSS LENGTH OF PROJ.	1881.68 LF	0.356

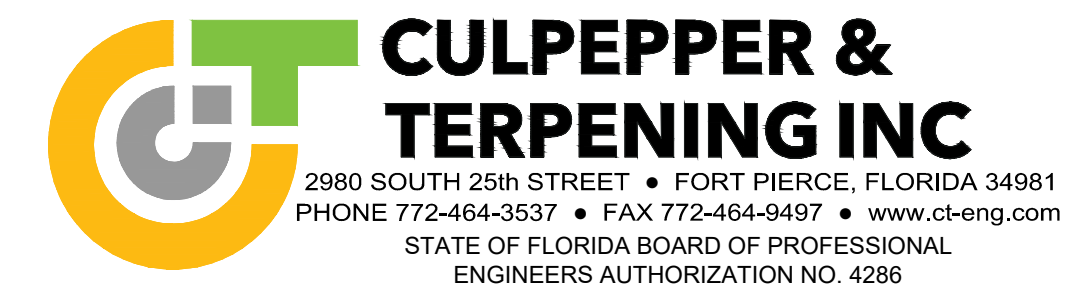
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION



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:



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

**DRAFT 100% PLAN SET
MAY 8, 2023**

This item has been digitally signed and sealed by:

Stefan K. Matthes, PE on 05/08/2023 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.

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

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

ROADWAY PLANS
ENGINEER OF RECORD:

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

C&T JOB NO.: 22-083

FISCAL YEAR	SHEET NO.
23	1

FDOT ITEM No.	DESCRIPTION	UNIT	QUANTITY
PROJECT ADMINISTRATION			
101-1A	MOBILIZATION/GENERAL CONDITIONS/BONDS/PERMIT FEES	LS	1
101-1B	PRE-CONSTRUCTION VIDEO	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
EROSION AND SEDIMENT CONTROL			
104-10-3	SEDIMENT BARRIER	LF	3876
104-11	FLOATING TURBIDITY BARRIER	LF	200
104-15	SOIL TRACKING PREVENTION DEVICE	EA	1
104-18	INLET PROTECTION SYSTEM	EA	12
EARTHWORK			
110-1	CLEARING & GRUBBING	AC	7.5
120-1	REGULAR EXCAVATION	CY	3,637
120-3	LATERAL DITCH EXCAVATION	CY	0
120-6	EMBANKMENT	CY	8,928
PAVEMENT			
160-4	TYPE B STABILIZATION (12" THICK)	SY	8,998
285-710	OPTIONAL BASE, BASE GROUP 09 (LBR 100)(10" THICK)	SY	7,926
327-70-1	MILLING EXISTING ASPH PAVT, 1" AVG DEPTH	SY	50
334-1-13	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-12.5) (2" THICK)	TON	872
337-7-82	ASPHALTIC CONC. FC TRAFFIC C (FC-9.5) (1" THICK)	TON	436
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	3,956
522-1	CONCRETE SIDEWALK/PADS, 4" THICK	SY	4,645
570-1-1	PERFORMANCE TURF, SEED & MULCH	SY	0
570-1-2	PERFORMANCE TURF, SOD	SY	19,180
DRAINAGE			
425-1-351	INLETS, CURB, TYPE P-5, <10'	EA	6
425-1-361	INLETS, CURB, TYPE P-6, <10'	EA	2
425-2-61	MANHOLE P-7, <10'	EA	2
425-1-551	DITCH BOTTOM INLET, TYPE E	EA	2
425-1-910	INLET, CLOSE FLUME	EA	2
430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"	LF	464
430-174-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"	LF	831
430-174-130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36"	LF	235
	J DRAIN, STANDARD	LF	7,272
PAVEMENT MARKING AND SIGNAGE			
700-1-11A	SINGLE POST SIGN, F&I GM, < 12 SF (R1-1 STOP)	EA	1
	SINGLE POST SIGN, F&I GM, < 12 SF (R1-2 YIELD)	EA	1
700-1-11B	SINGLE POST SIGN, F&I GM, < 12 SF (R2-1 SPEED LIMIT) (35 MPH)	EA	3
	SINGLE POST SIGN, F&I GM, < 12 SF (R6-3 DIVIDED HIGHWAY SIGN)	EA	1
	STREET SIGNS (OPEN VIEW ROAD)	EA	1
	STREET SIGNS (COMMUNITY BLVD)	EA	1
	SINGLE POST SIGN, F&I GM, < 12 SF (R6-5P) ROUNDABOUT CIRCULATION PLaque	EA	1
	SINGLE POST SIGN, F&I GM, < 12 SF (R03-08L-LTR) ROUNDABOUT WARNING SIGN	EA	1
	SINGLE POST SIGN, F&I GM, < 12 SF (W11-2) PEDESTRIAN CROSSING SIGN	EA	2
	SINGLE POST SIGN, F&I GM, < 12 SF (W16-7PL) PEDESTRIAN CROSSING SIGN	EA	2
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	EA	200
711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	3,080
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	60
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	60
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	30
711-11-221	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	3,780
633-112	FIBER OPTIC CABLE (F&I) 96 STRAND	LF	1,938
715-2-115	2" CONDUIT (F&I) (UNDERGRD, PVC SCHEDULE 40)	LF	5,814
635-2-11	PULL & SPLICE BOX (F&I) 13" x 24" COVER	EA	4

GENERAL NOTES

- BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
- ALL DRAINAGE INFRASTRUCTURE IS TO REMAIN UNLESS OTHERWISE NOTED.
- ALL GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
- STATIONING AND OFFSETS REFER TO THE BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
- EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
- 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.
- 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.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A "NOTICE TO PROCEED".
- DURING CONSTRUCTION, SHOULD ANY DRAINAGE STRUCTURES (INCLUDING PIPES) BE FOUND THAT ARE NOT SHOWN ON THE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.
- IN REFERENCE TO EXISTING UTILITIES AND UTILITY ADJUSTMENTS:
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.
FOR EXISTING UTILITY SYMBOLS, SEE FDOT STANDARD INDEX 002.
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).
- CONTRACTOR SHALL USE EXTREME CAUTION AND COMPLY WITH ALL APPLICABLE OSHA REGULATIONS WHEN WORKING IN THE VICINITY OF OVERHEAD AND UNDERGROUND UTILITY LINES.
- 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	(772) 873-6442
PSL TRAFFIC	PAUL JOHNSON	(772) 871-5100
- WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF FIVE (5') FEET BETWEEN THE POLE AND ANY EXCAVATION.
- ALL SYNTHETIC BALES AND SILT FENCE SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND WHEN APPROVED BY THE NPDES INSPECTOR.
- 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.
- 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.
- 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.
- THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION.
- 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.
- 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".
- THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE PROJECT ENGINEER.
- EXISTING LANDSCAPE IMPROVEMENT THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS ARE TO BE RELOCATED PER THE DIRECTION OF THE ENGINEER OF RECORD.
- GENERAL GRADING GUIDELINES FOR SWALE AND SODDED AREAS:
• DRAINAGE FLOW SYMBOLS SHOWN ON THE PLAN SHEETS ARE INTENDED TO PROVIDE GENERAL DIRECTION WITH RESPECT TO THE INTENDED FLOW OF THE SODDED AREAS.
• CONTRACTOR IS TO GRADE ALL SWALE AND SODDED AREAS WITHIN THE LIMITS OF CONSTRUCTION TO THE RESPECTIVE INLET AS DIRECTED BY THE FLOW ARROWS WHILE MINIMIZING DISTURBANCE TO EXISTING VEGETATION AND PRIVATE PROPERTY.
• FLOW ARROWS REPRESENT A MINIMUM OF 0.15% SLOPE UNLESS OTHERWISE NOTED ON THE PLANS.
- DRIVEWAYS TO BE REPLACED WITH LIKE KIND MATERIAL (I.E. CONCRETE, BRICK PAVERS, STAMPED CONCRETE) AND COLOR.
- 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.
- 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.
- 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.
- ALL MUCK AND PLASTIC MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT INDEX 500.
- ALL VEGETATION, DEBRIS, PAVEMENT, CONCRETE OR OTHER UNSUITABLE MATERIALS SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLAN DIMENSIONS AND SITE CONDITIONS, AND IS TO NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES BETWEEN SITE CONDITION AND INFORMATION SHOWN ON PLANS PRIOR TO COMMENCEMENT OF WORK.
- 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.
- 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
- ALL AREAS DESIGNATED FOR PAVEMENT REMOVAL SHALL BE SAW-CUT AT THE LIMITS OF REMOVAL ADJACENT TO EXISTING PAVEMENT WHICH IS TO REMAIN.
- EXISTING MAILBOXES SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR REPLACING DAMAGED MAILBOXES WITH LIKE KIND AT NO ADDITIONAL COST.
- ALL WORK ASSOCIATED WITH THIS PROJECT IS TO BE PERFORMED WITHIN THE RIGHT-OF-WAY LIMITS AS DEPICTED ON THE PLAN SHEETS.
- ALL ADA WARNING SURFACES ARE TO BE CAST IN PLACE AND BRICK RED IN COLOR.
- ALL CONCRETE SIDEWALK JOINTS SHALL BE TOOLED WITHOUT EXPANSION JOINTS.

P:\Proj-2022\22-083\ROAD - COVER NOTES.dwg Plotted: 5/5/2023 2:43 PM By: KITHSRI UDUGAMA

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

STEFAN K. MATTHEWS, 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.

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
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

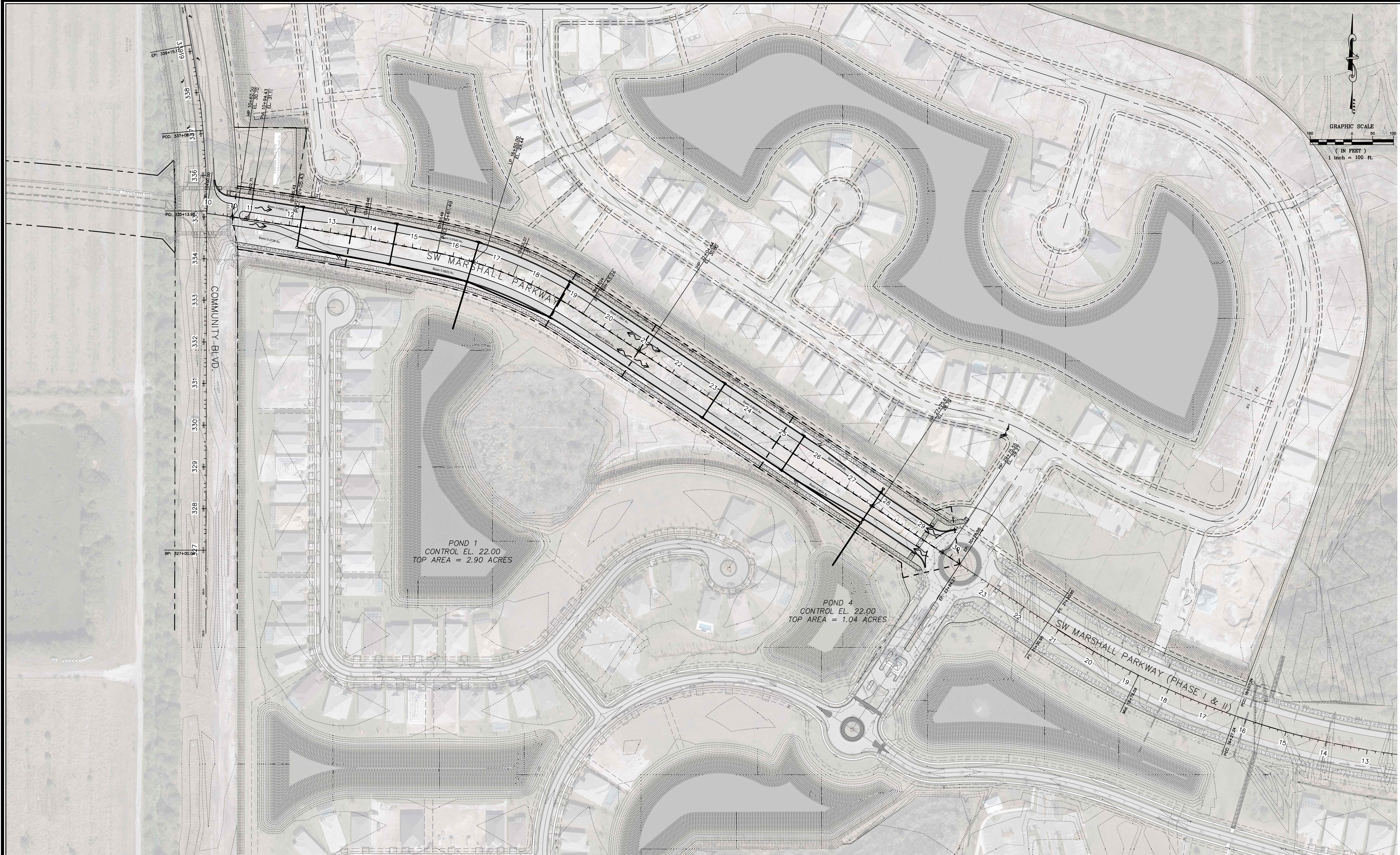
- REVISIONS -		BY	DATE

DESIGNED	BY	DATE
CALCS.	KJ	09/26/22
DRAWN	KJ	5/5/23
DETAILED		
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

SW MARSHALL PARKWAY

GENERAL NOTES

DATE: 5/10/23
HORIZ. SCALE: N/A
VERT. SCALE: N/A
JOB No. 22-083
SHEET 2 of 15



P:\Proj-2022\22-083\DRAINAGE MAP.dwg Plotted: 5/9/2023 9:14 AM By: KITHSIRI UDUGAMA

PSLUSD PROJECT NO. 11-900-0206
 CITY OF PSL PROJECT NO. P23-048

COMPUTER FILE REF.	FIELD BK./PG.

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC

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

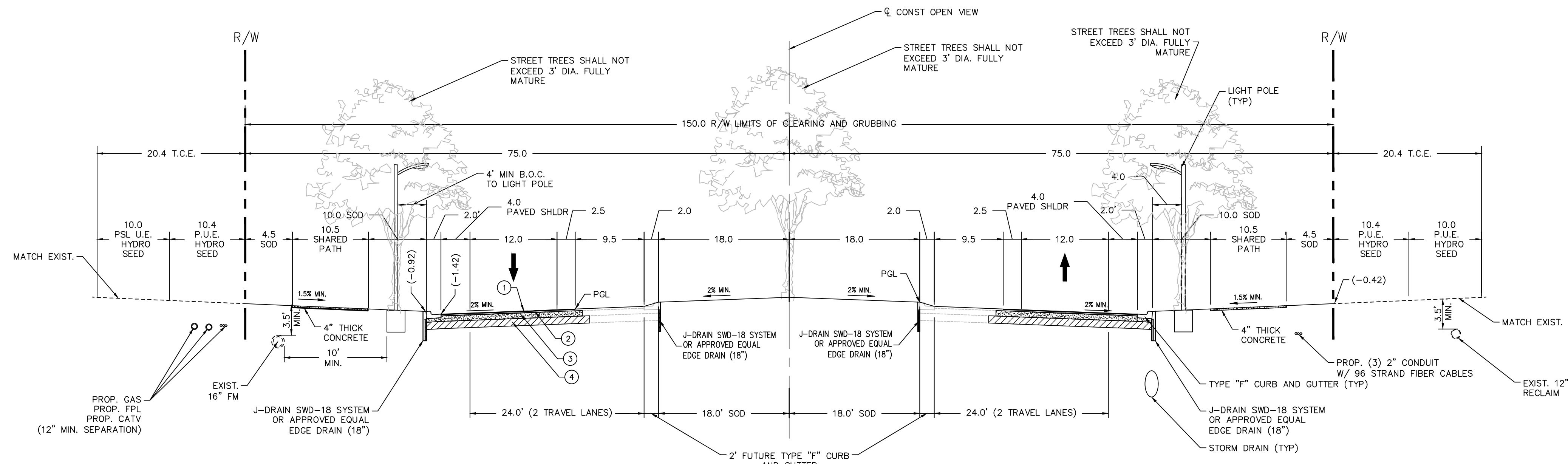
- REVISIONS -		BY	DATE

	BY	DATE
DESIGNED	KJ	09/26/22
CALCS.	----	----
DRAWN	KJ	5/5/23
DETAILED	----	----
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

SW MARSHALL PARKWAY

DRAINAGE MAP

DATE: 5/10/23
HORIZ. SCALE: 1"=100'
VERT. SCALE: N/A
JOB No. 22-083
SHEET 3 of 15



ASPHALT PAVEMENT (SN=4.08)

- ① TYPE FC-9.5 FRICTION COURSE (TRAFFIC LEVEL C) (1" THICK) (SN=.44)
- ② TYPE SP-12.5 STRUCTURAL COURSE (2" THICK) (SN=.88)
- ③ OPTIONAL BASE GROUP 9 (10" THICK) (SN=1.8)
- ④ 12" STABILIZED SUBGRADE (MIN. LBR 40)

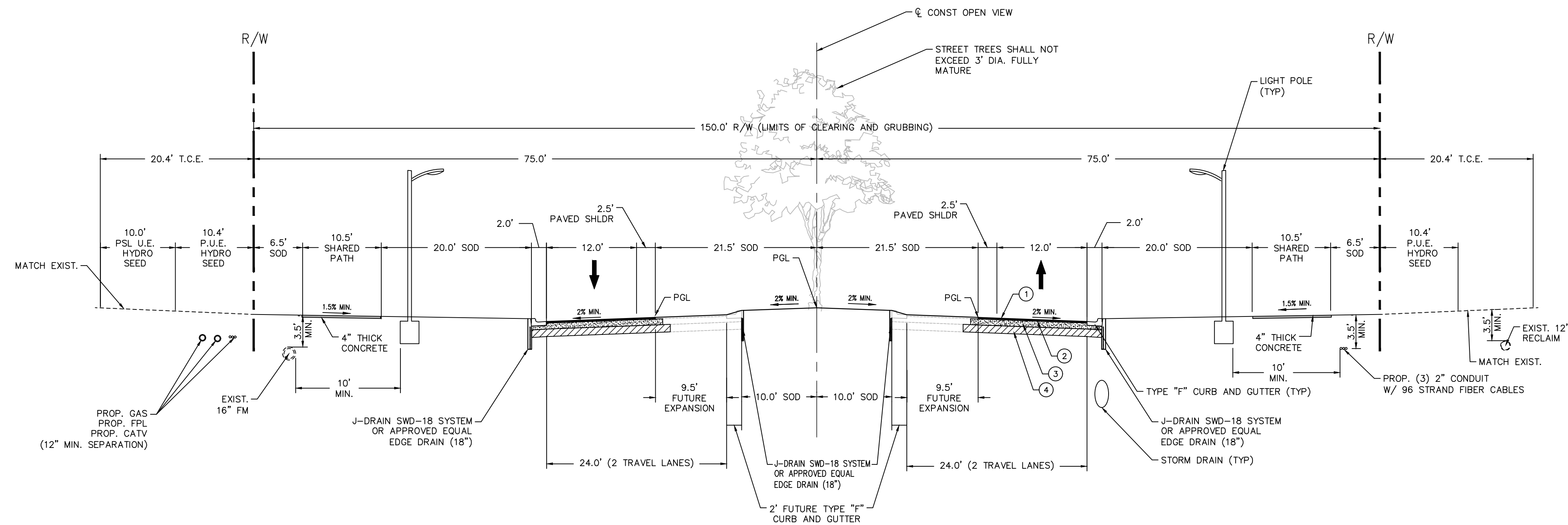
**TYPICAL SECTION
SW MARSHALL PARKWAY
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH
STA. 10+62.00 TO STA. 26+00.00**

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%
4. PROPOSED LANDSCAPE IMPROVEMENTS AND MULTIMODAL PATH (SEE PLANS BY LUCIDO & ASSOCIATES)
5. INSTALL STREET TREES SPACED AT A MINIMUM OF 40' ON CENTER.
6. TREES AND LIGHT POLES TO ALTERNATE. REFER TO LANDSCAPE AND PHOTOMETRIC PLANS FOR DETAILS.
7. TREES AND LIGHT POLES SHALL MEET FDOT CLEAR ZONE AND SIGHT DISTANCE REQUIREMENTS
8. WATER MAIN VALVES SHALL NOT BE PLACED IN SIDEWALK.

TRAFFIC DATA (OPEN VIEW ROAD)

CURRENT YEAR	= 2022 AADT = N/A
ESTIMATED OPENING YEAR	= 2024 AADT = N/A
ESTIMATED DESIGN YEAR	= 2024 AADT = N/A
DESIGN SPEED	= 40 MPH
POSTED SPEED	= 35 MPH



ASPHALT PAVEMENT (SN=4.08)

- ① TYPE FC-9.5 FRICTION COURSE (TRAFFIC LEVEL C) (1" THICK) (SN=.44)
- ② TYPE SP-12.5 STRUCTURAL COURSE (2" THICK) (SN=.88)
- ③ OPTIONAL BASE GROUP 9 (10" THICK) (SN=1.8)
- ④ 12" STABILIZED SUBGRADE (MIN. LBR 40)

**TYPICAL SECTION
SW MARSHALL PARKWAY
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH
STA. 26+00.00 TO STA. 29+75.55**

P:\Proj\2022\22-083\Matcom\ - Open View Drive\Eng\22-083 ROAD - TYPICAL SECTIONS 24x36.dwg Plotted: 5/5/2023 2:48 PM By: KITHSIRI UDUGAMA

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-464-9407 • www.ct-eng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

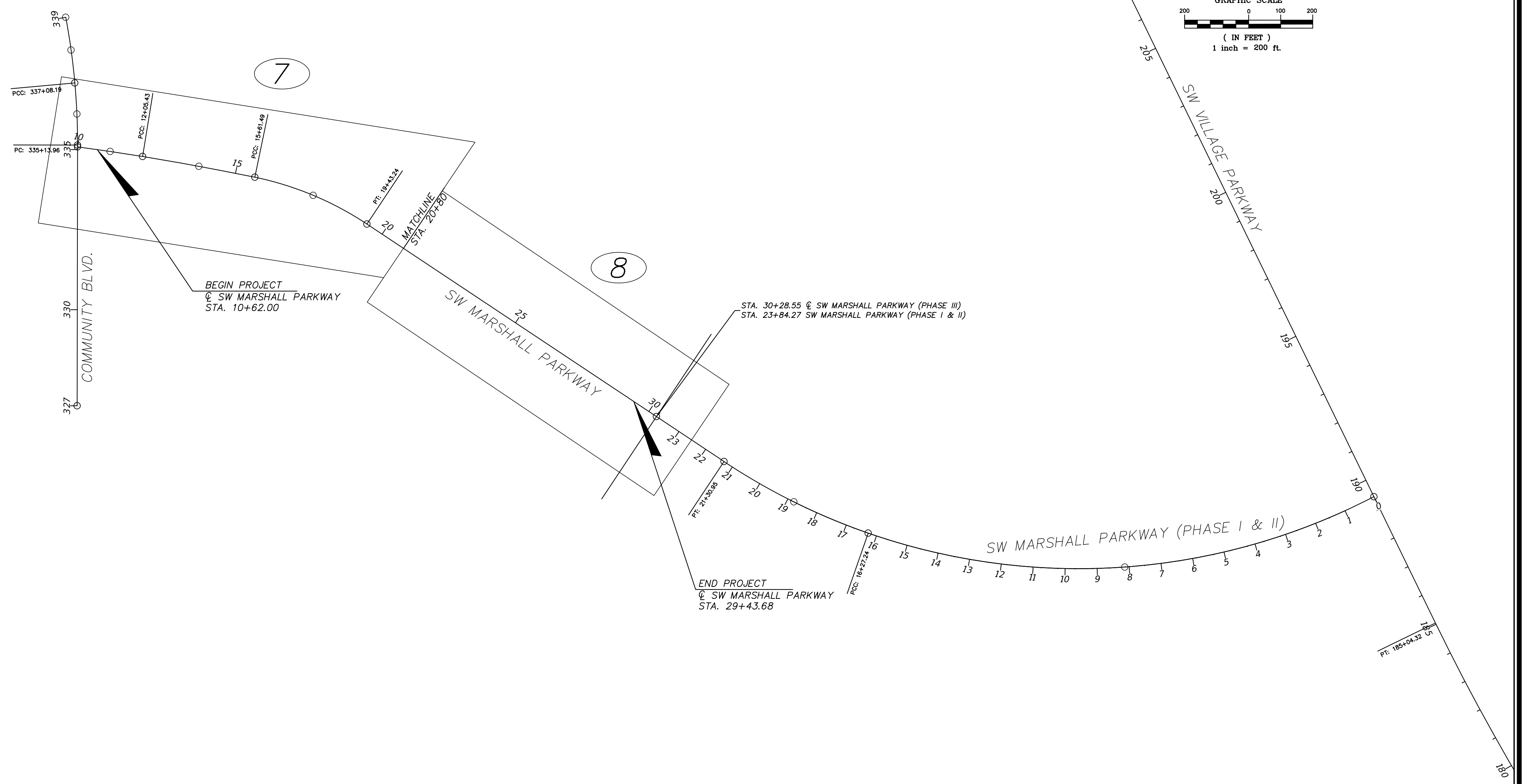
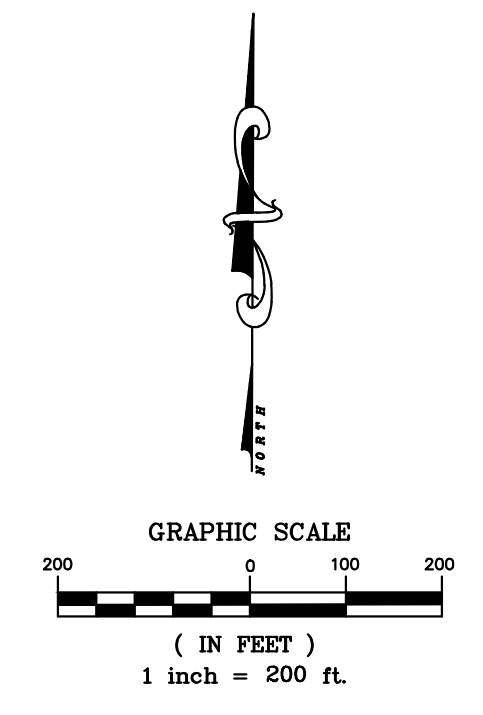
- REVISIONS -		BY	DATE

	BY	DATE
DESIGNED	ELB	09/26/22
CALCS.		
DRAWN	ELB	5/5/23
DETAILED		
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

SW MARSHALL PARKWAY
TYPICAL SECTIONS-ROADWAYS

DATE: 5/10/23
HORIZ. SCALE: 1"=10'
VERT. SCALE: N/A
JOB No. 22-083
SHEET 4 of 15

P:\Proj-2022\22-083 Mattcom - Open View Drive\Eng\22-083 ProjectLayout.dwg Plotted: 5/5/2023 3:22 PM By: KITHSIRI LUDJIGAMA



LEGEND
SHEET NO.

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048
STEFAN K. MATTHEWS, P.E.
FL. REG. NO. 38723



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

COMPUTER FILE REF.	FIELD BK./PG.

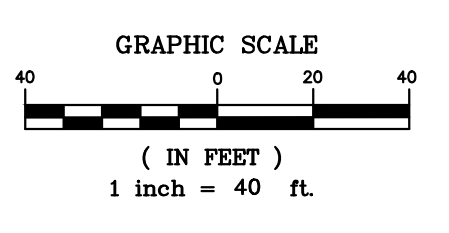
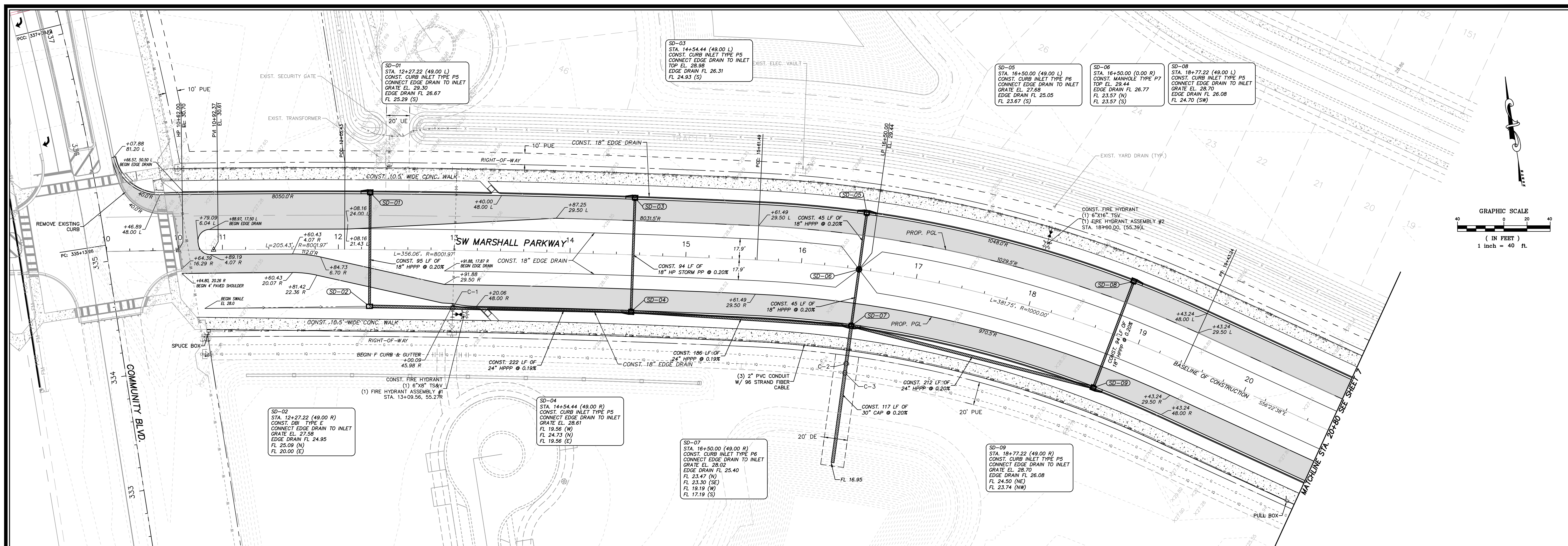
CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-466-9497 • www.ct-eng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -		BY	DATE

	BY	DATE
DESIGNED	----	----
CALCS.	----	----
DRAWN	KJ	5/5/23
DETAILED	----	----
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

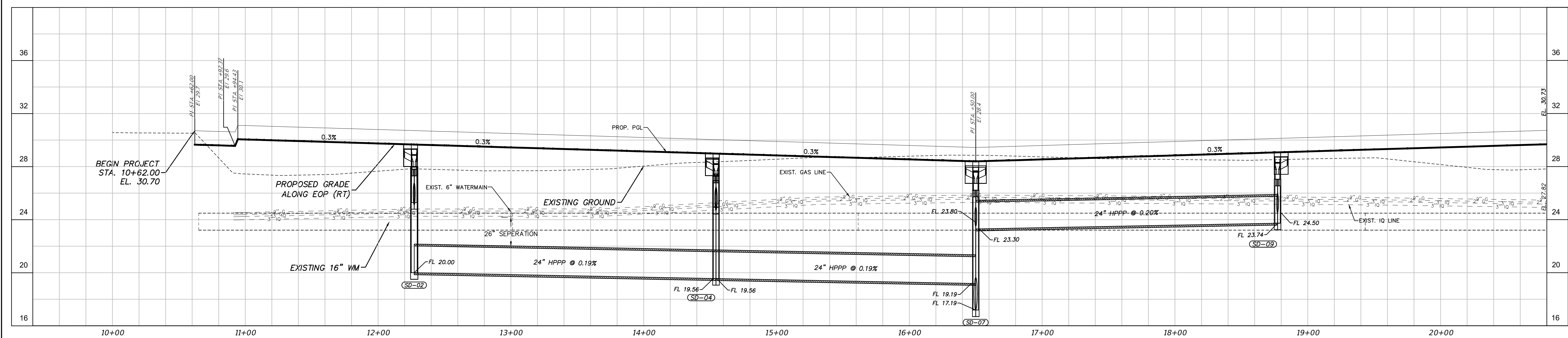
SW MARSHALL PARKWAY
PROJECT LAYOUT

DATE: 5/10/23
HORIZ. SCALE: 1"=200'
VERT. SCALE: N/A
JOB No. 22-083
SHEET 5 of 15



PIPE CROSSING TABLE

CROSSING #	TYPE	STATION	OFFSET	CLEARANCE (INCHES)	TOP OF PIPE		BOTTOM OF PIPE		FINISH GRADE (ELEV)
					(ELEV.)	(TYPE)	(ELEV.)	(TYPE)	
C-1	6" WM OVER 24" STORM	13+00	49.81R	26.04"	22.02'	STORM	24.19'	WM	29.41'
C-2	2" GAS OVER 30" STORM	16+50	82.00R	69.72"	19.60'	STORM	25.41'	GAS	28.66'
C-3	3" IQ OVER 30" STORM	16+50	90.00R	69.72"	19.58'	STORM	25.39'	IQ	28.65'



MINIMUM ROAD CROWN = 28.50' NAVD

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-464-9407 • www.ct-eng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -

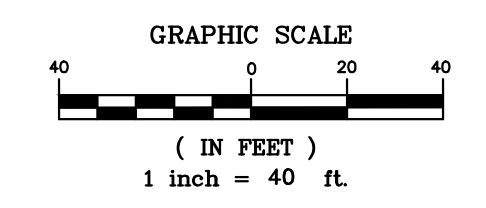
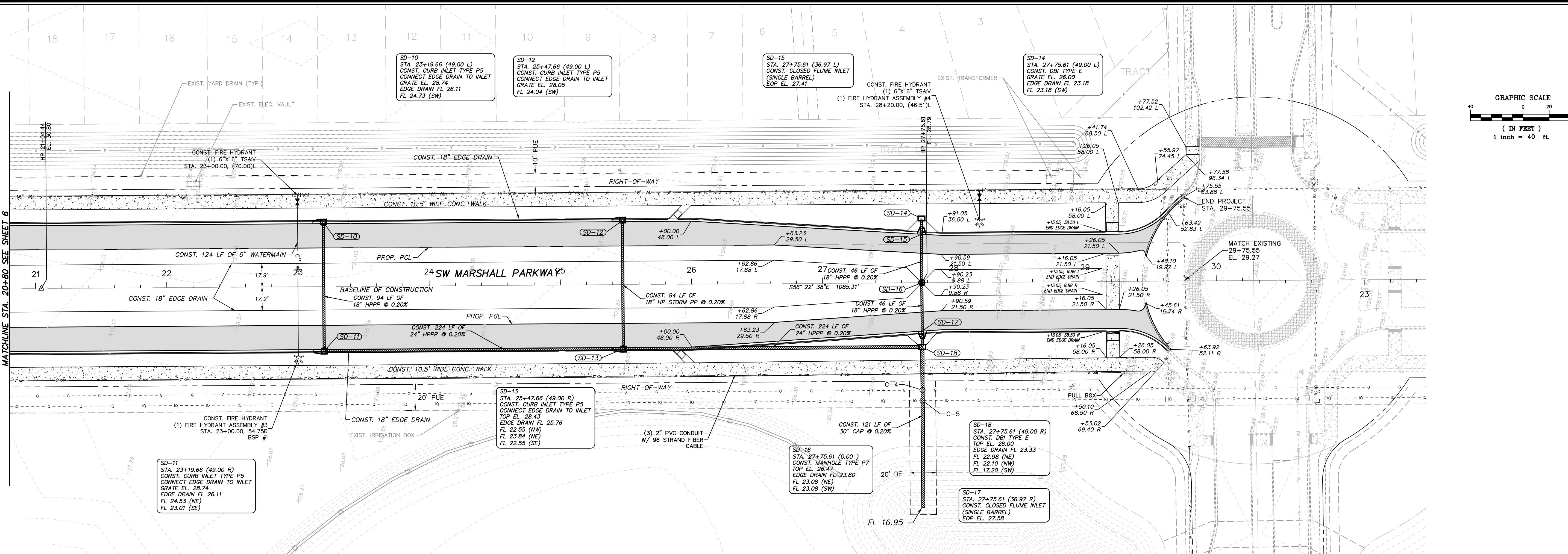
NO.	DESCRIPTION	BY	DATE

DESIGNED	BY	DATE

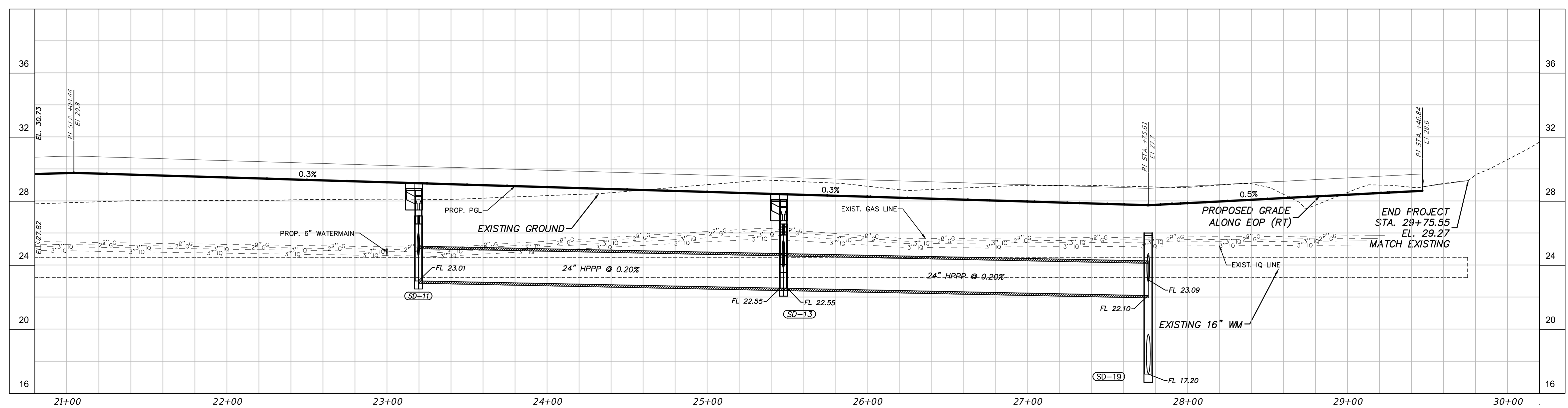
SW MARSHALL PARKWAY
PLAN & PROFILE SHEET

DATE: 5/10/23
HORIZ. SCALE: 1"=40'
VERT. SCALE: 1"=4'
JOB No. 22-083
SHEET 6 of 15

P:\Proj\2022\22-083 Mattomy - Open View Drive\Eng\22-083 ROAD - PLAN PROFILE.dwg Plotted: 5/8/2023 3:27 PM By: KITHSIRI UDUGAMA



PIPE CROSSING TABLE							
CROSSING #	TYPE	STATION	OFFSET	CLEARANCE (INCHES)	TOP OF PIPE (ELEV.)	BOTTOM OF PIPE (ELEV.)	FINISH GRADE (ELEV.)
C-4	2" GAS OVER 30" STORM	27+65	82.00R	70.92"	19.62'	25.53'	28.78'
C-5	3" IQ OVER 30" STORM	27+65	90.00R	70.56"	19.63'	25.51'	28.78'



PSLUSD PROJECT NO. 11-900-0206
 CITY OF PSL PROJECT NO. P23-048



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
 2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
 PHONE 772-464-3537 • FAX 772-466-9487 • www.ct-eng.com
 STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -		
BY	DATE	

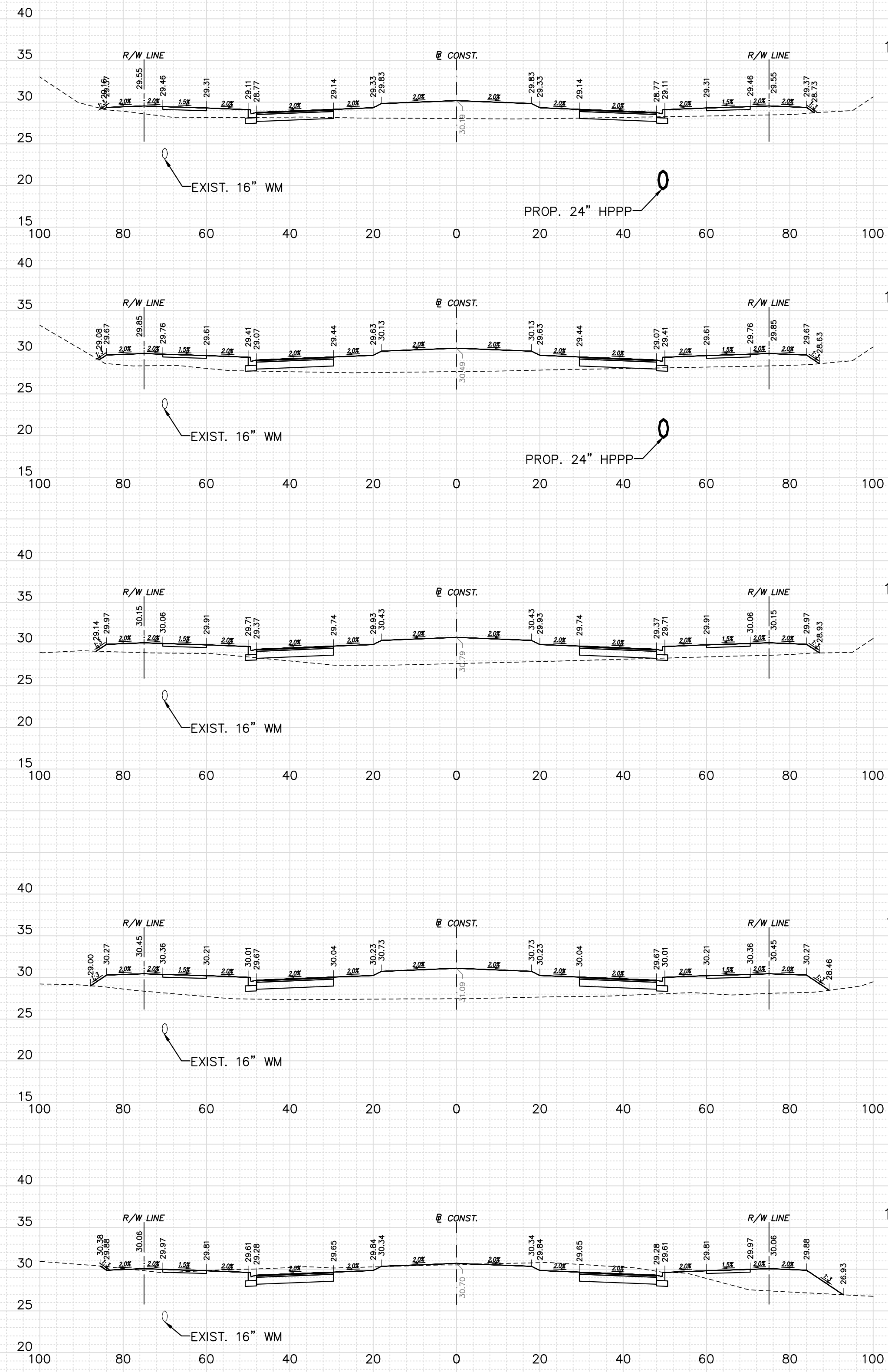
DESIGNED	BY	DATE
CALCS.		
DRAWN	KJ	5/5/23
DETAILED		
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

SW MARSHALL PARKWAY
PLAN & PROFILE SHEET

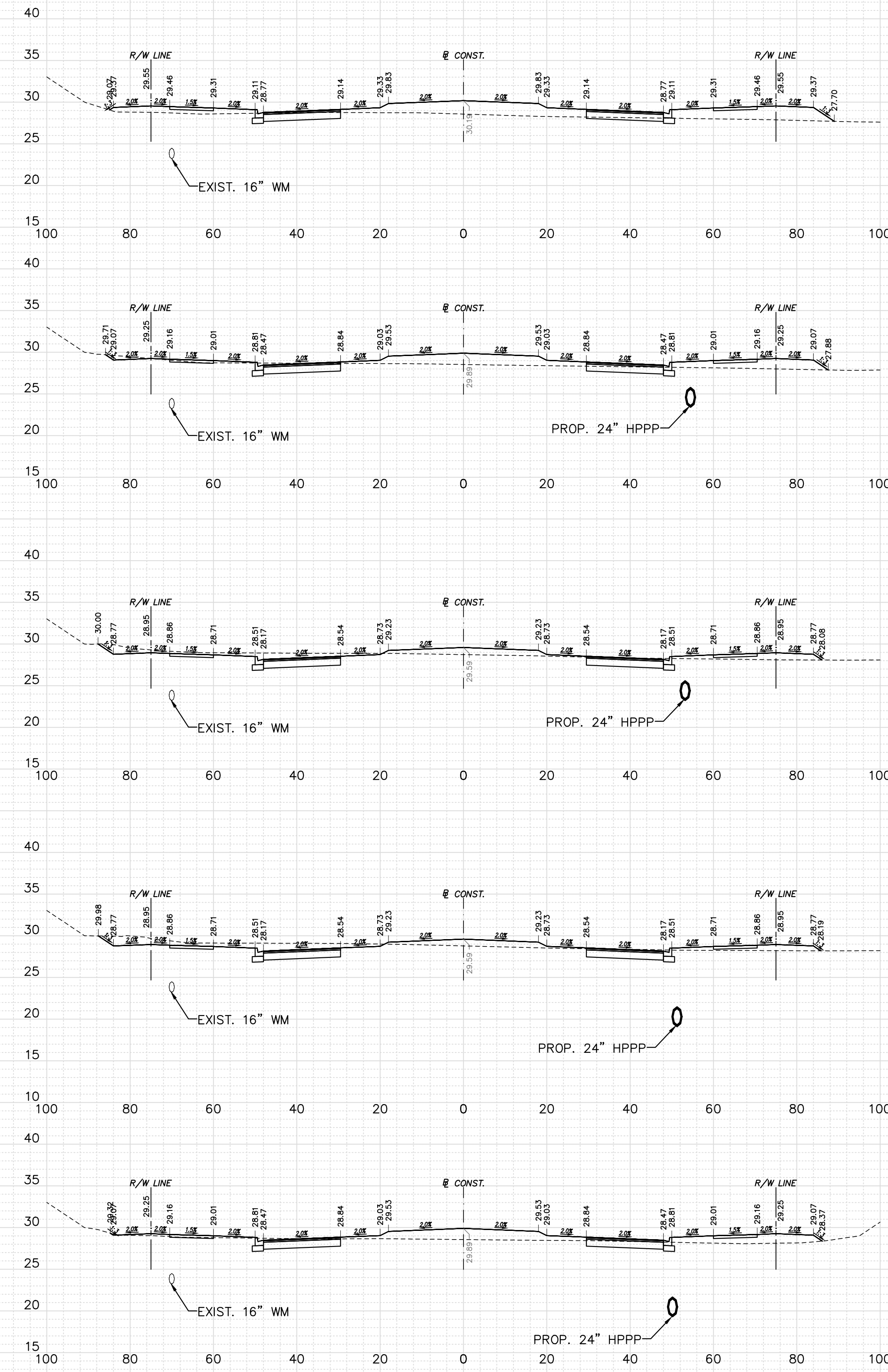
DATE: 5/10/23
 HORIZ. SCALE: 1"=40'
 VERT. SCALE: 1"=4'
 JOB No. 22-083
 SHEET 7 of 15

P:\Proj-2022\22-083\ROAD - PLAN PROFILE.dwg Plotted: 5/8/2023 3:44 PM By: KITHSRI UDUGAMA

P:\Proj\2022\22-083\ROAD - CROSS SECTIONS.dwg Plotted: 5/8/2023 3:19 PM By: KITHSRI UDUGAMA



REGULAR EXC.		EMBK.	
A	V	A	V
(SF)	(CY)	(SF)	(CY)
15.53	31.18	157.41	734.96
1.30	5.46	239.46	911.95
1.65	3.05	252.99	1175.14
0.00	70.93	381.58	316.89
100.92	0.00	69.28	0.00



REGULAR EXC.		EMBK.	
A	V	A	V
(SF)	(CY)	(SF)	(CY)
26.34	133.13	138.01	409.82
44.37	234.99	87.81	238.83
79.95	332.01	44.75	152.76
94.83	256.26	40.25	227.87
42.18	106.88	84.19	447.42

MINIMUM ROAD CROWN = 28.50' NAVD

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

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-466-9497 • www.ct-eng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -		
NO.	BY	DATE

	BY	DATE
DESIGNED	----	----
CALCS.	----	----
DRAWN	KJ	5/5/23
DETAILED	----	----
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

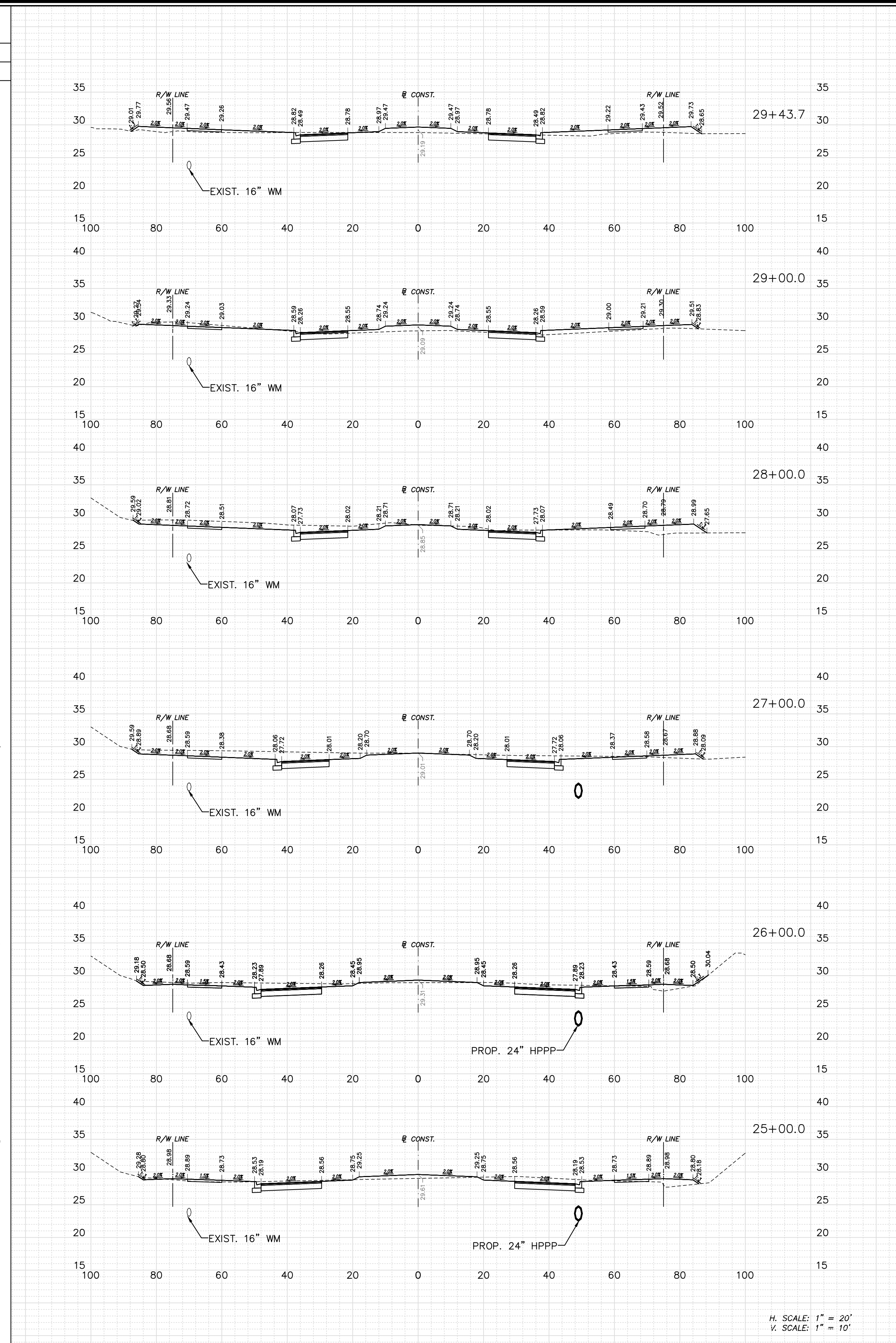
SW MARSHALL PARKWAY

CROSS SECTIONS

DATE: 5/10/23
HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=10'
JOB No. 22-083
SHEET **8 of 15**

P:\Proj-2022\22-083\Road - CROSS SECTIONS.dwg Plotted: 5/8/2023 3:21 PM By: KITHSIRI UDUGAMA

REGULAR EXC.		EMBK.	
A	V	A	V
(SF)	(CY)	(SF)	(CY)
41.66	105.53	96.81	489.81
15.33	32.01	167.68	741.24
1.96	4.50	232.59	973.97
0.47	20.42	293.36	945.66
10.55	69.04	217.30	653.70



REGULAR EXC.		EMBK.	
A	V	A	V
(SF)	(CY)	(SF)	(CY)
41.02	70.80	63.03	89.36
46.51	301.37	47.44	141.16
116.23	480.27	28.79	67.56
143.12	509.36	7.69	51.46
131.94	388.79	20.10	93.62
78.01	221.61	30.46	235.69
TOTAL EXC.	3,377.60 CY	TOTAL EMBK.	9,098.85 CY

MINIMUM ROAD CROWN = 28.50' NAVD

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

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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



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

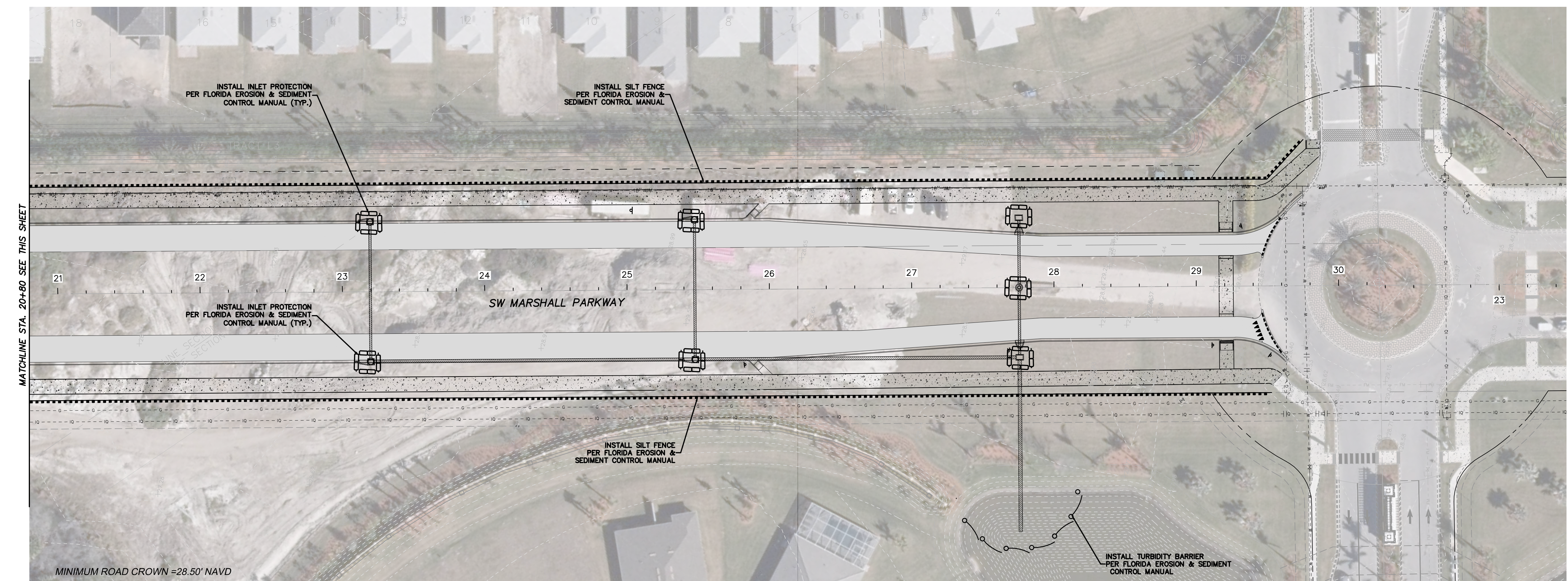
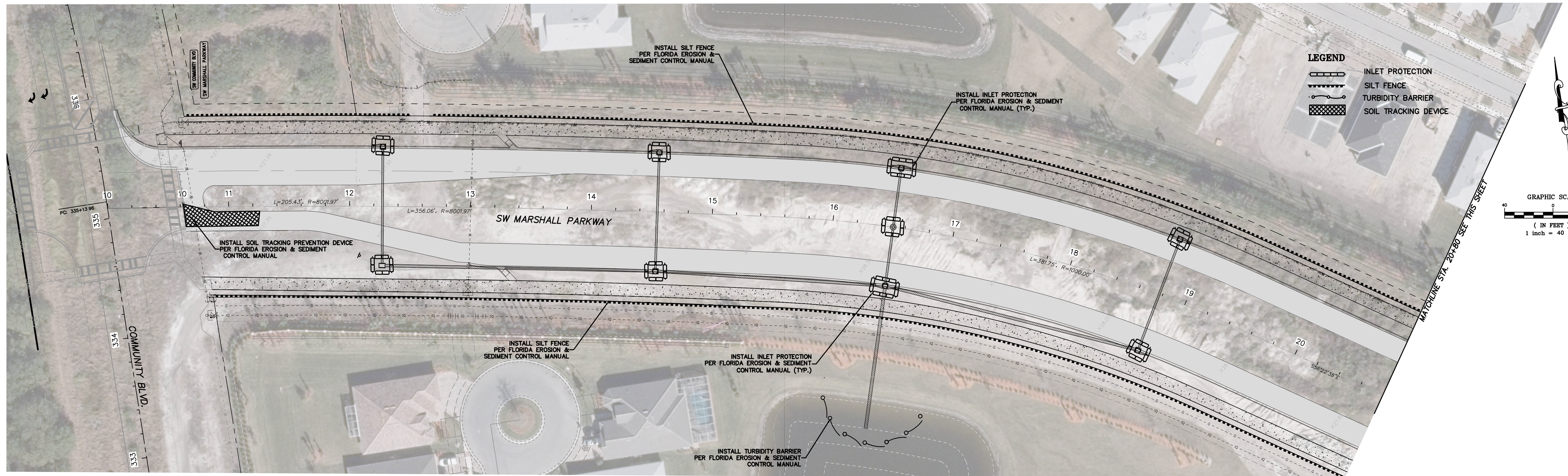
COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-466-9497 • www.ct-eng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -		
NO.	BY	DATE

DESIGNED	BY	DATE

SW MARSHALL PARKWAY
CROSS SECTIONS
DATE: 5/10/23
HORIZ. SCALE: 1"=20'
VERT. SCALE: 1"=10'
JOB No. 22-083
SHEET 9 of 15



PSLUSD PROJECT NO. 11-900-0206
 CITY OF PSL PROJECT NO. P23-048
 STEFAN K. MATTHEWS, P.E.
 FL. REG. NO. 38723

P:\Proj\2022\22-083\Matteomy - Open View Drive\Eng\22-083 Signing & Marking Plan.dwg Plotted: 5/5/2023 2:49 PM By: KITHSIRI UDUOGAMA



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
 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

- REVISIONS -		BY	DATE

	BY	DATE
DESIGNED	----	----
CALCS.	----	----
DRAWN	KJ	5/5/23
DETAILED	----	----
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

SW MARSHALL PARKWAY
EROSION CONTROL PLANSWPP

DATE: 5/10/23
 HORIZ. SCALE: 1"=40'
 VERT. SCALE: N/A
 JOB No. 22-083
 SHEET 10 of 15

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 CONSISTS OF CONSTRUCTION OF A NEW ROADWAY (SW MARSHALL PARKWAY) FROM COMMUNITY BOULEVARD EAST TO THE CONNECTION OF PROPOSED RETENTION POND 1 AND POND 4.

THE PROJECT ALSO INVOLVES DRAINAGE IMPROVEMENTS.

THE LIMITS OF THE PROJECT INCLUDE:

1881± LF OF ROADWAY AND DRAINAGE FROM VILLAGE PARKWAY EAST TO THE CONNECTION OF PROPOSED RETENTION POND 1 AND POND 4.

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: 8.16 ± AC
TOTAL AREA TO BE DISTURBED: 81.6 ± 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 DEL WEBB LAKE SYSTEM.

SURFACE WATERS: DEL WEBB LAKES

DISCHARGE POINTS TO SURFACE WATERS:

THE DISCHARGE POINT IS THE SOUTHERN GROVE MASTER DRAINAGE SYSTEM.

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 PATTERNS: THE DRAINAGE BASIN DIVIDES ARE PROVIDED IN THE SFVMD PERMIT 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 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-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 CHOOSE 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 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 THROUGH 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 TARP AULINS.
- 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 THAT 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 MINIMIZE 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 MARTIN COUNTY WATER QUALITY DIVISION.

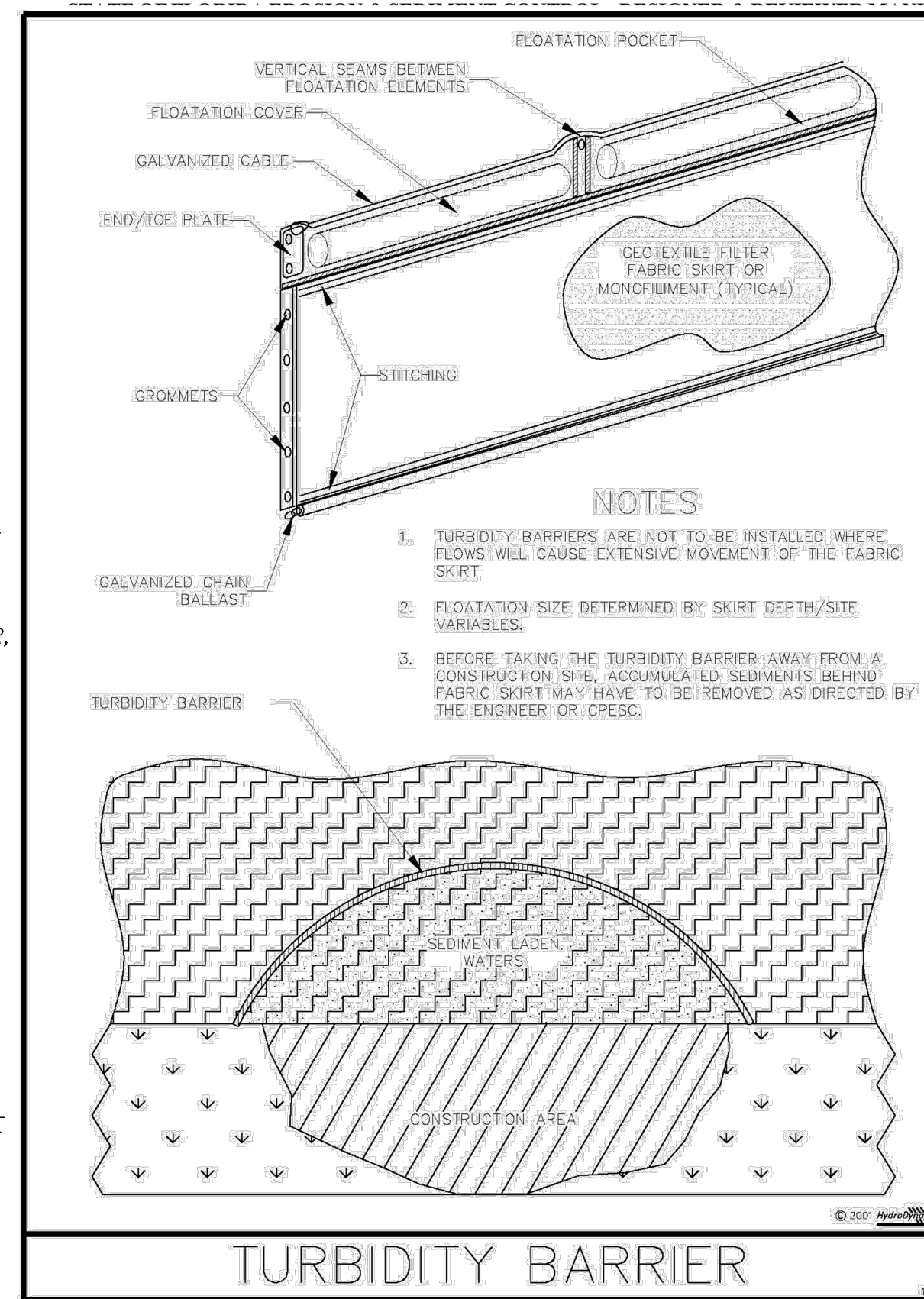


Figure V-44: Illustration of a Turbidity Barrier Curtain

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail.
CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL
V-15

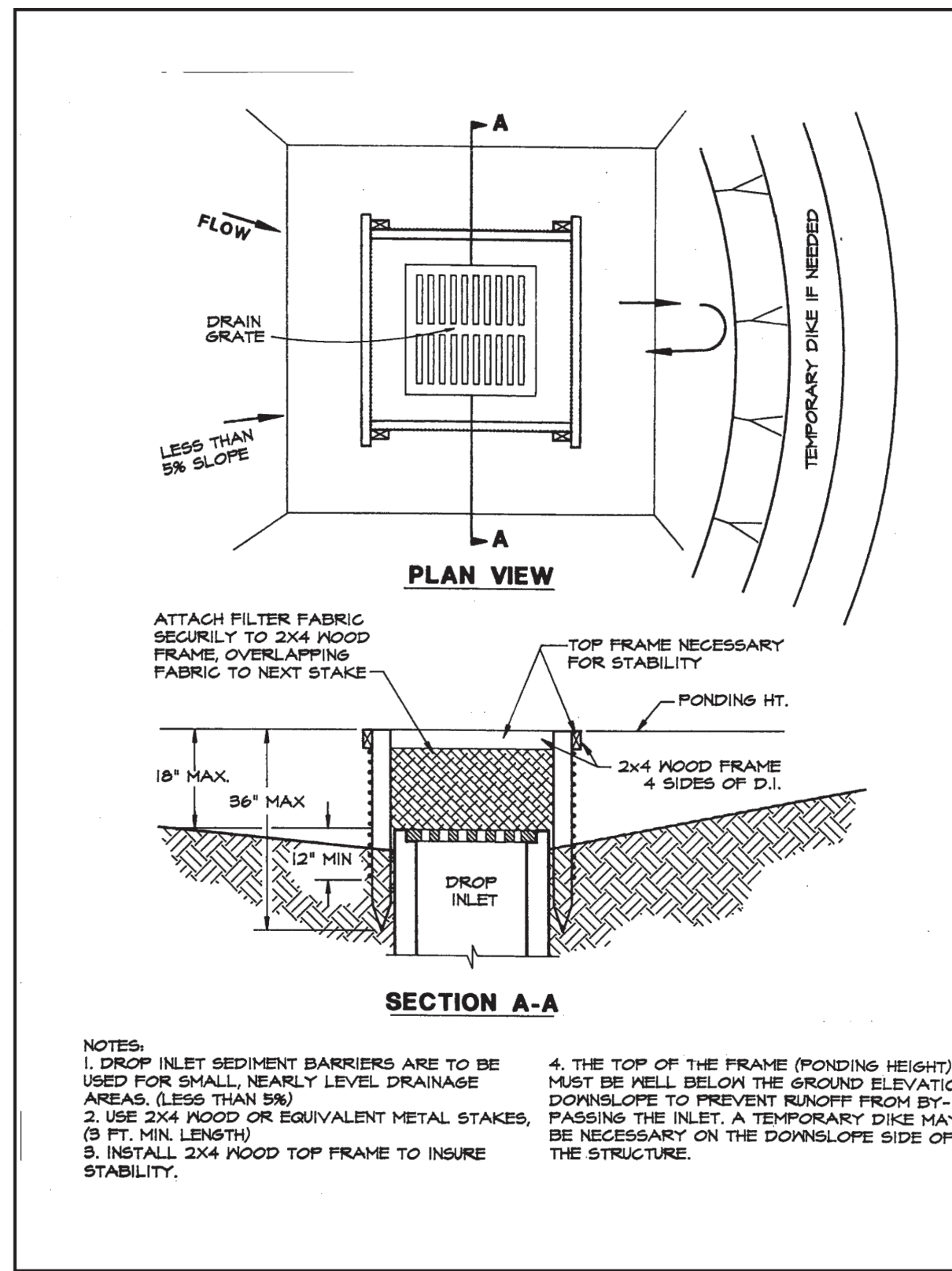


Figure 4.5a: Silt Fence Drop Inlet Sediment Barrier

Source: Erosion Draw

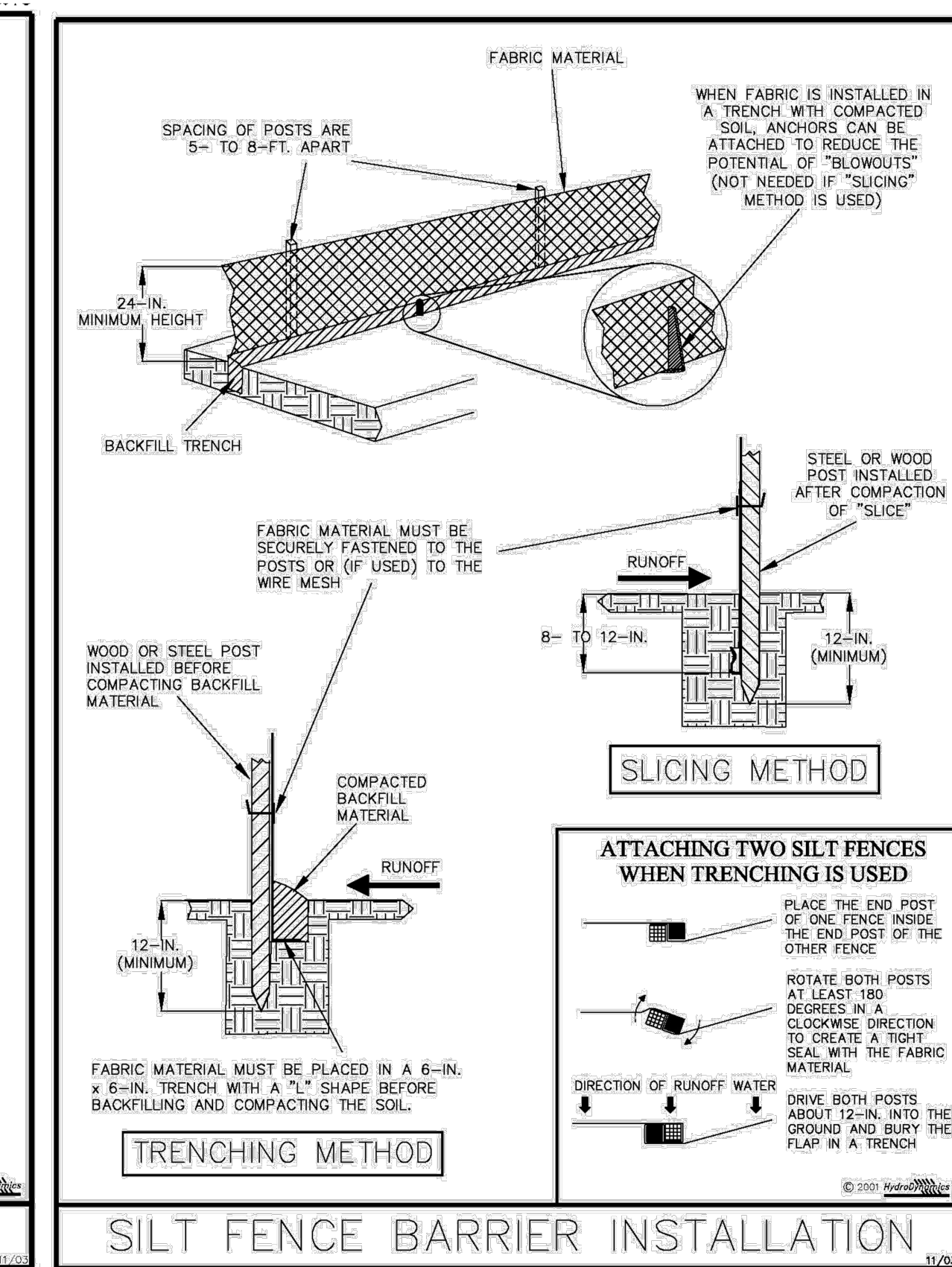


Figure V-40: Illustration of a Silt Fence Barrier

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail.
STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL
V-16

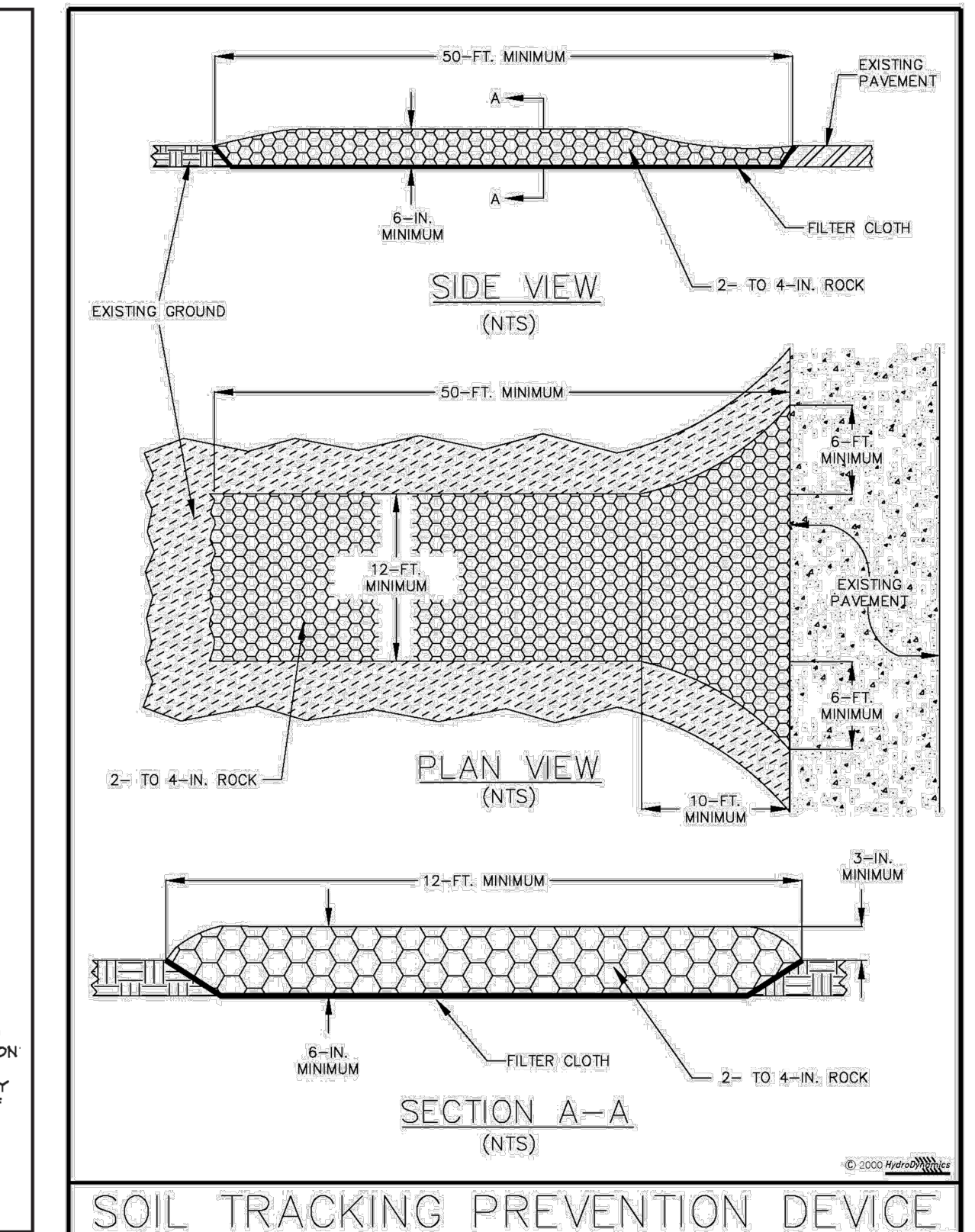


Figure V-52: Illustration of a Soil Tracking Prevention Device

Permission is given by HydroDynamics Incorporated to copy and reproduce this detail.
V-17

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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.

COMPUTER FILE REF.	FIELD BK./PG.

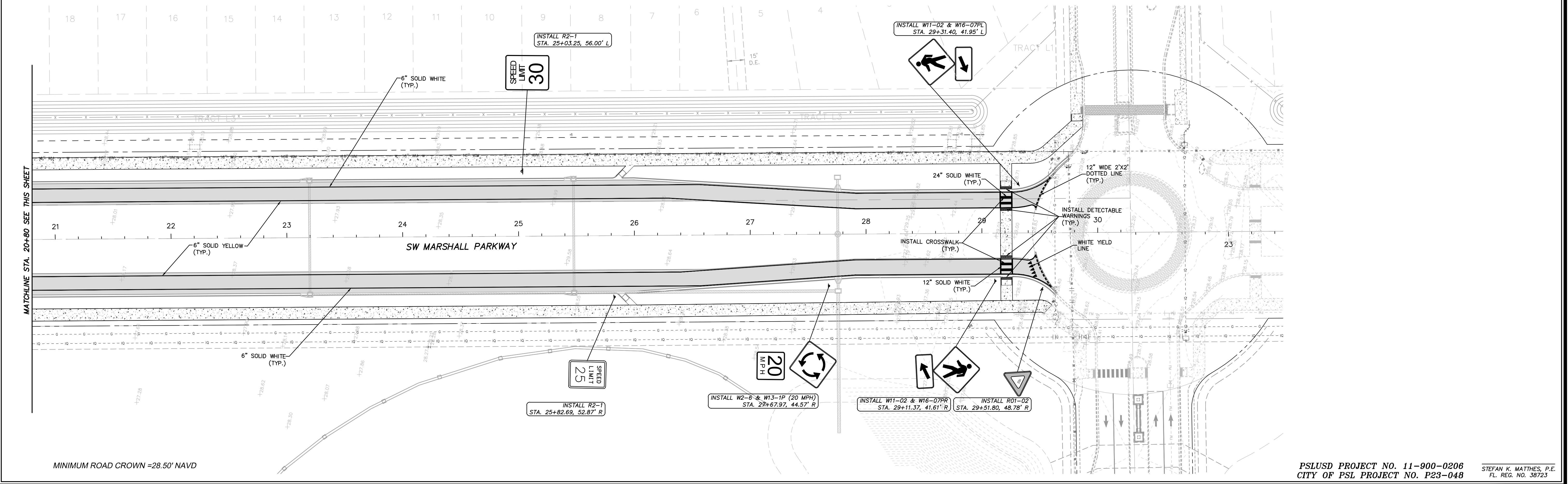
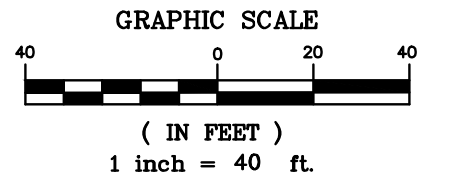
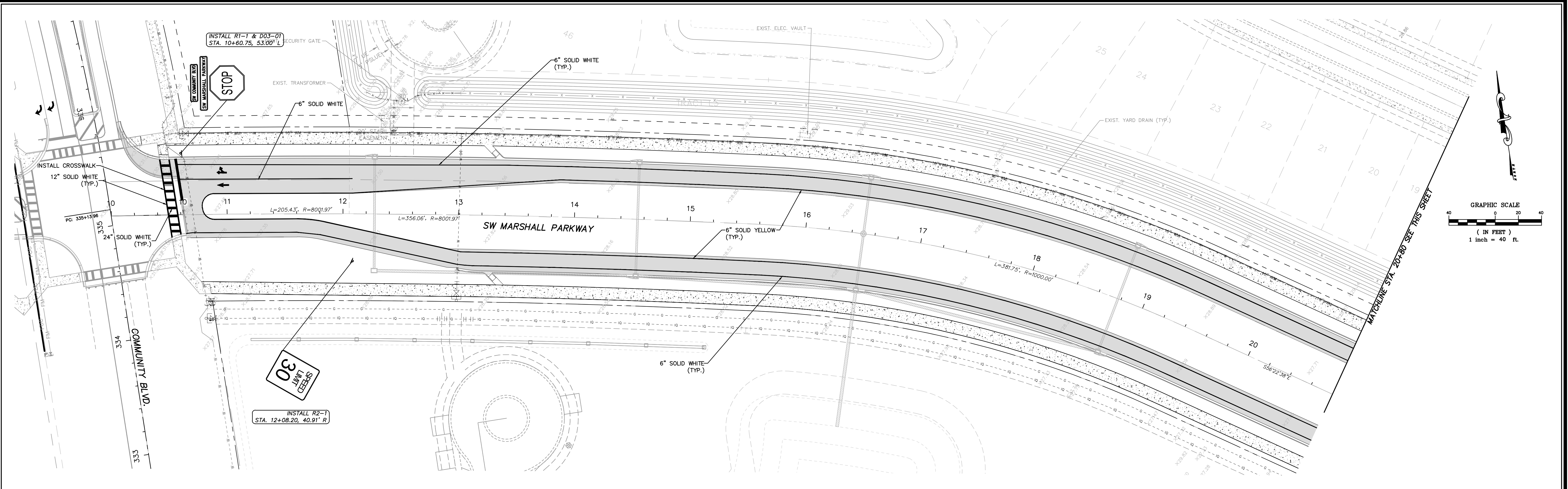
CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-464-9497 • WWW.CT-ENG.COM
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

- REVISIONS -		BY	DATE

	BY	DATE
DESIGNED	----	----
CALCS.	----	----
DRAWN	KJ	5/5/23
DETAILED	----	----
CHECKED	AG	5/8/23
APPROVED	SKM	5/10/23

SW MARSHALL PARKWAY
EROSION CONTROL DETAILS

DATE: 5/10/23
HORIZ. SCALE: N/A
VERT. SCALE: N/A
JOB No. 22-083
SHEET 11 of 15



P:\Proj\2022\22-083 Mattomy - Open View Drive\Eng\22-083 Signing & Marking Plan.dwg Plotted: 5/5/2023 2:51 PM By: KITHSIRI UDUKAMA

MATCHLINE STA. 20+80 SEE THIS SHEET

MINIMUM ROAD CROWN = 28.50' NAVD

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981
PHONE 772-464-3537 • FAX 772-464-9407 • www.ct-eng.com
STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

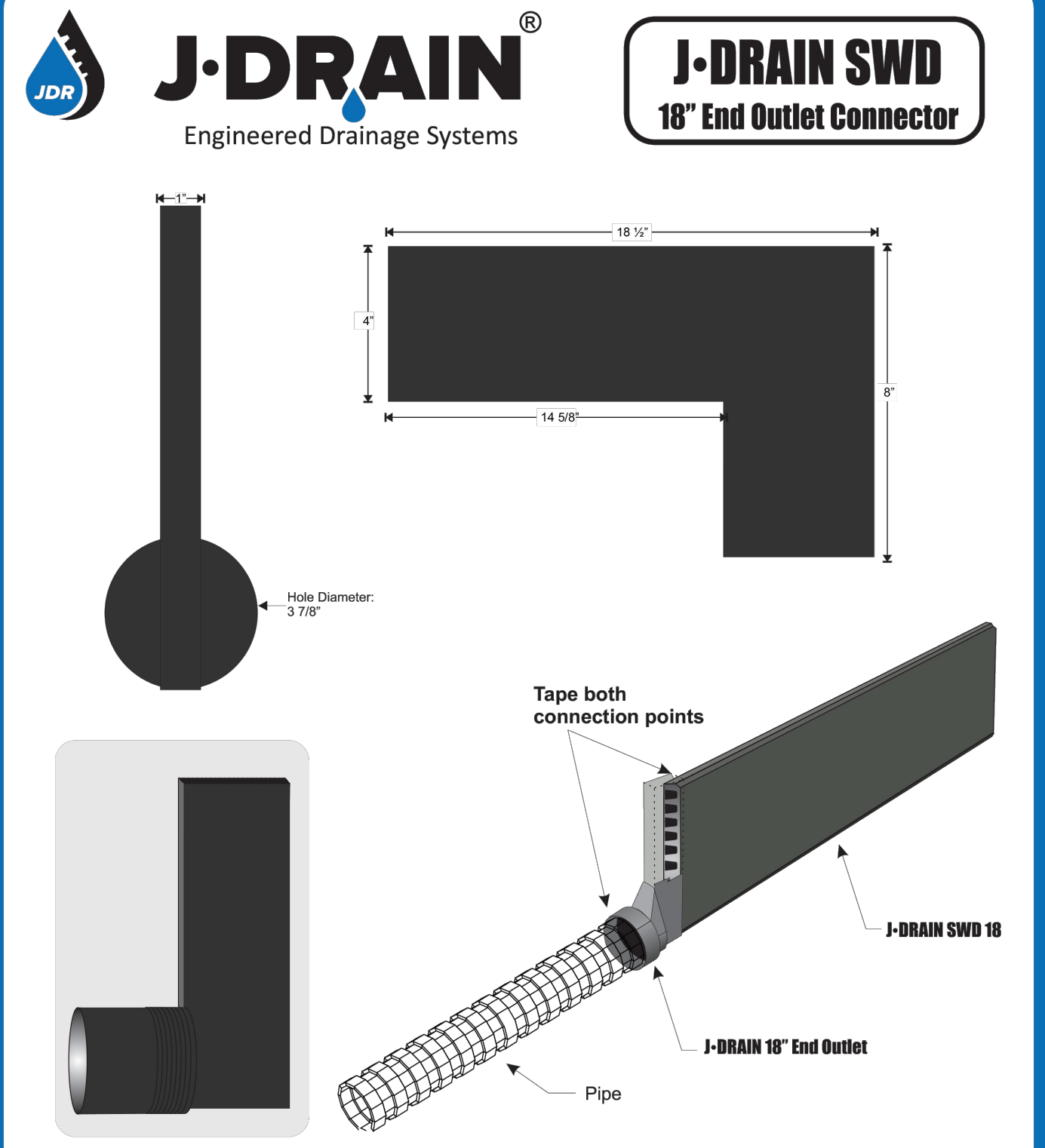
- REVISIONS -		BY	DATE

DESIGNED	BY	DATE

SW MARSHALL PARKWAY

SIGNING & MARKING PLAN

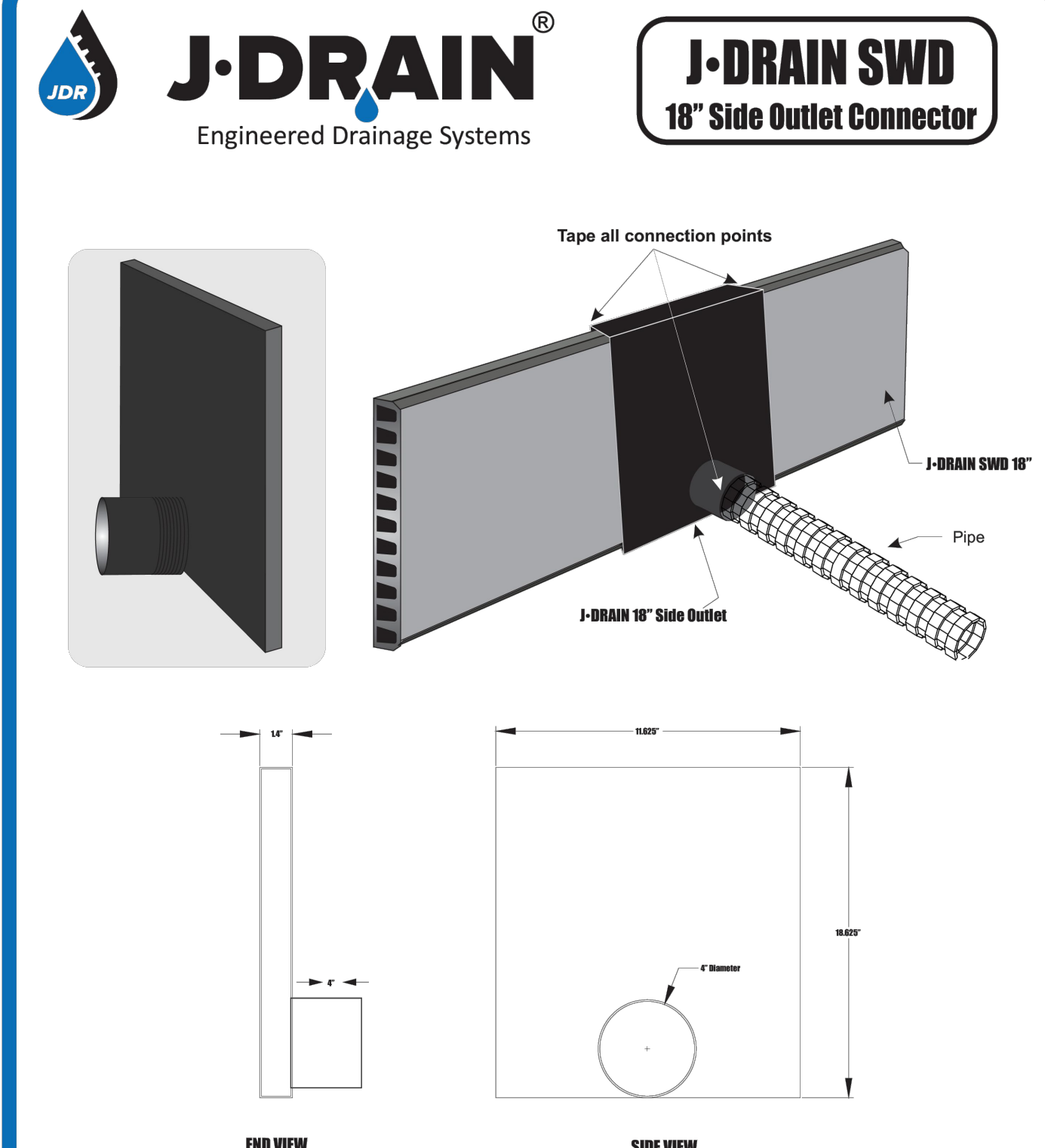
DATE: 5/10/23
HORIZ. SCALE: 1"=40'
VERT. SCALE: N/A
JOB No. 22-083
SHEET 12 of 15



Note: Tape all connections to keep dirt and debris from entering flat panel drain core.

Info@j-drain.com www.j-drain.com

JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



Note: Tape all connections to keep dirt and debris from entering flat panel drain core.

Info@j-drain.com www.j-drain.com

JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



J-DRain SWD-12, 18, 24, & 36

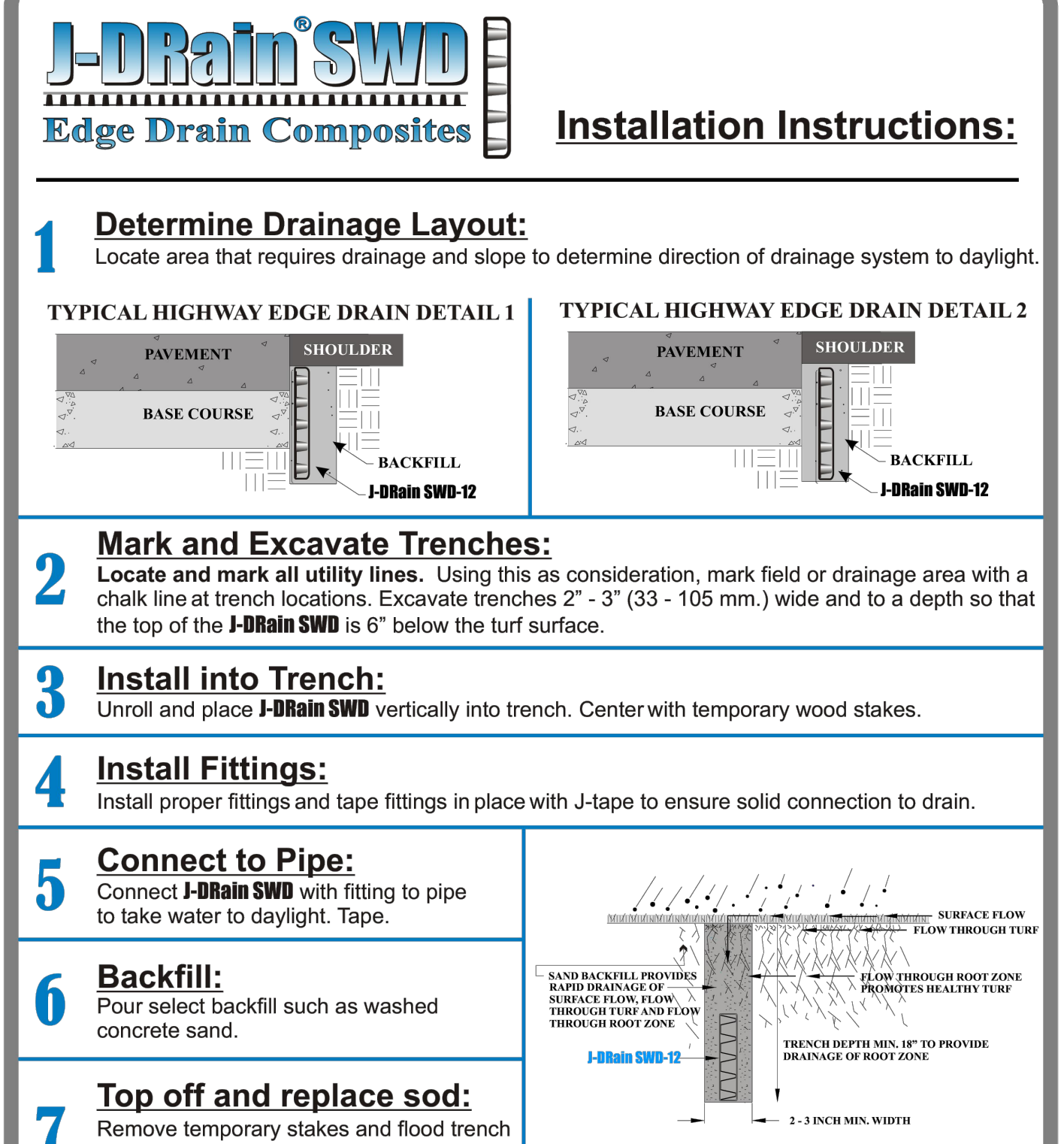
Also available with AASHTO approved D.O.T. fabric upon request.

Product Description
J-DRain SWD is a composite drainage system consisting of a 3-dimensional, high flow, drainage core and a non-woven, needle-punched filter fabric. The filter fabric is wrapped and bonded to the drainage core, preventing intrusion of the filter fabric into the flow channels during the backfilling process. Soil particles are held back by the filter fabric allowing water to pass through to the drainage core to be collected and conveyed to the discharge point.

Core		Fabric		MADE IN USA	
Compressive Strength (ASTM D-1621)	9,500 psf (455 kN/m ²)	Flow (ASTM D-4491)	140 gpm/ft ² (5638 lpm/ft ²)		
Thickness (ASTM-1777)	1 in. (2.54 cm)	CBR Puncture (ASTM D-4241)	250 lbs. (1.11 kN)		
In-Plane Flow (ASTM-D-4716) (Q85) @ 10 psf & hydraulic gradient = 1	30 gpm/ft width (372 lpm/m)	AOS (ASTM D-4751)	70 U.S. Sieve (212 mm)		
		Grab Tensile (ASTM D-4632)	100 lbs. (45 kN)		
		Mullen Burst (ASTM D-3786)	210 PSI (1447 KPa)		
		U.V. Resistance (ASTM D-4355)	70% @500 hrs.		

Info@j-drain.com www.j-drain.com

JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



1 Determine Drainage Layout:
Locate area that requires drainage and slope to determine direction of drainage system to daylight.

2 Mark and Excavate Trenches:
Locate and mark all utility lines. Using this as consideration, mark field or drainage area with a chalk line at trench locations. Excavate trenches 2" - 3" (33 - 105 mm.) wide and to a depth so that the top of the J-DRain SWD is 6" below the turf surface.

3 Install into Trench:
Unroll and place J-DRain SWD vertically into trench. Center with temporary wood stakes.

4 Install Fittings:
Install proper fittings and tape fittings in place with J-tape to ensure solid connection to drain.

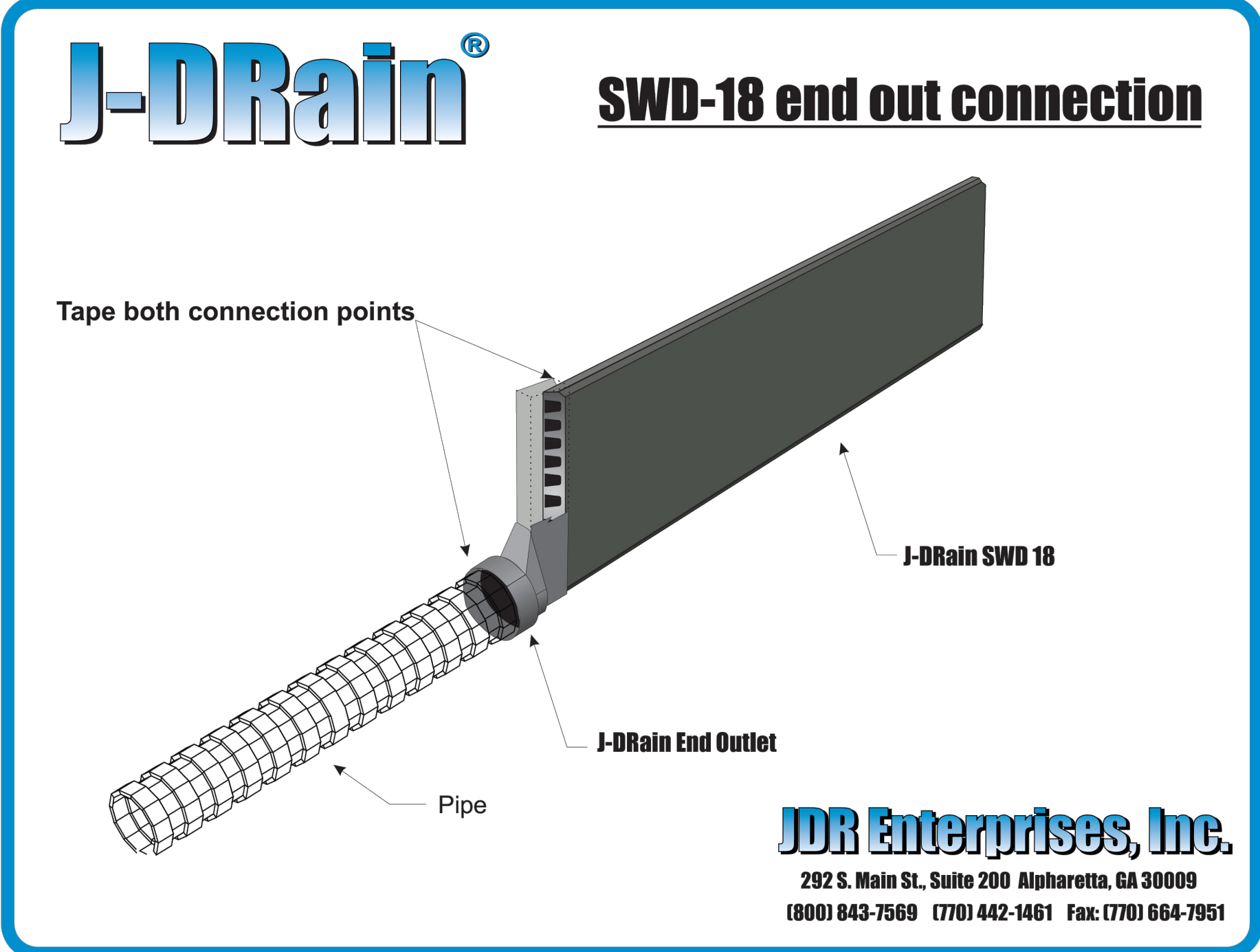
5 Connect to Pipe:
Connect J-DRain SWD with fitting to pipe to take water to daylight. Tape.

6 Backfill:
Pour select backfill such as washed concrete sand.

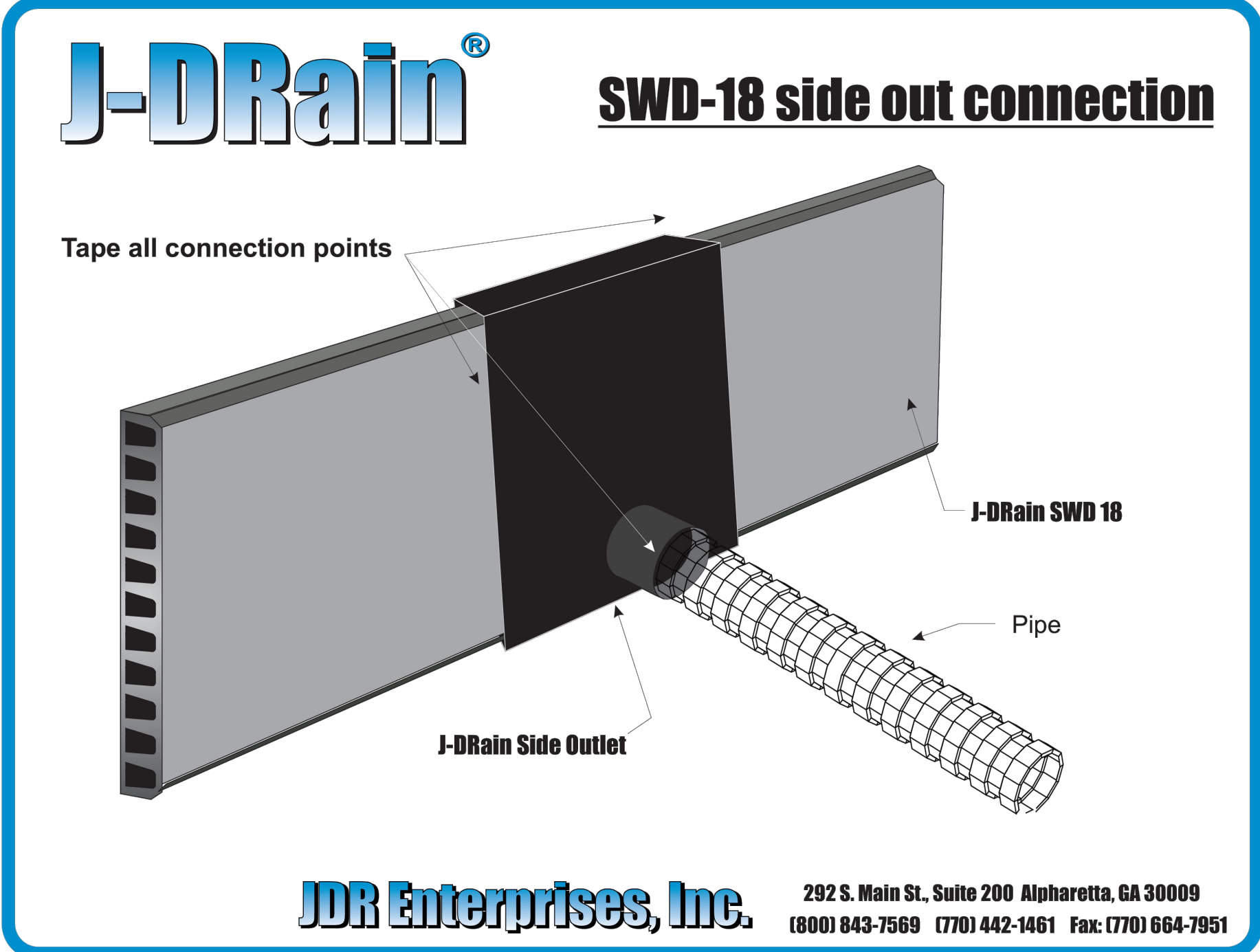
7 Top off and replace sod:
Remove temporary stakes and flood trench with water to promote proper compaction. Top off trench with sand and replace sod.

Info@j-drain.com www.j-drain.com

JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



GENERAL NOTES

- EDGE DRAIN SLOPES SHALL BE CONSTRUCTED INCONJUNCTION WITH THE PGL SLOPES OF THE ROADWAY (MINIMUM 0.3% SLOPE).
- THE CONNECTION POINTS OF THE EDGE DRAIN TO THE MANHOLES SHALL BE CONNECTED USING THE ADS INSERTA TEE FITTING OR APPROVED EQUAL ALONG WITH ANY NECESSARY ADS BENDS OR FITTINGS OR APPROVED EQUALS.
- INSTALLATION TRENCH WIDTH TO BE A MINIMUM OF 12" WIDE.

Info@j-drain.com www.j-drain.com

JDR Enterprises, Inc. 292 S. Main St., Suite 200 Alpharetta, GA 30009
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951

P:\Proj\2022\22-083 ROAD - COVER NOTES.dwg Plotted: 5/5/2023 2:51 PM By: KITHSIRI UDUGAMA



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
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

- REVISIONS -		
NO.	BY	DATE

DESIGNED	BY	DATE

SW MARSHALL PARKWAY

DRAINAGE DETAILS

DATE: 5/10/23
HORIZ. SCALE: N/A
VERT. SCALE: N/A
JOB No. 22-083
SHEET 13 of 15

MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

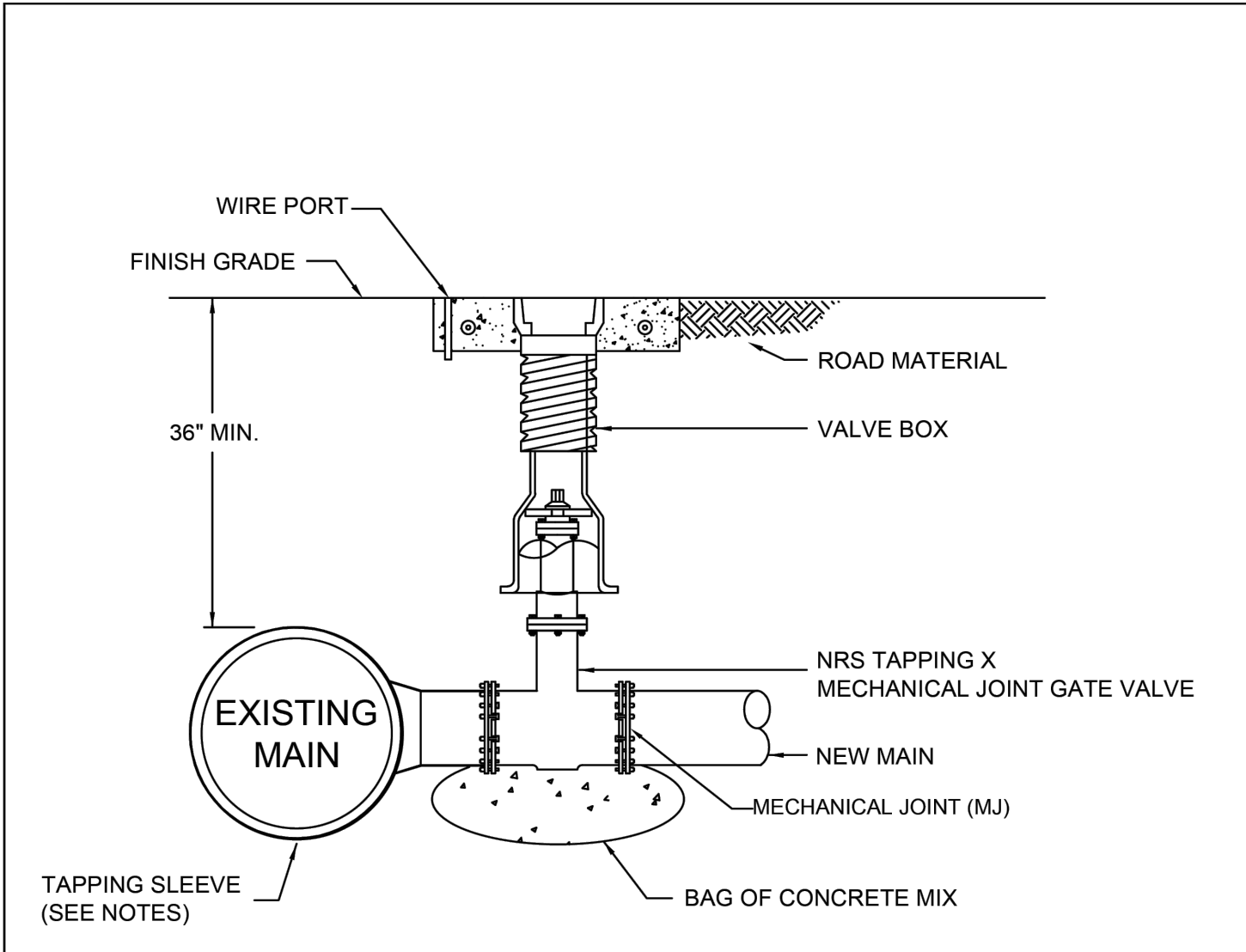
**STANDARD SEPARATION
REQUIREMENTS**

DETAIL: G-01
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1

MINIMUM SEPARATION BETWEEN PSLUSD FACILITIES AND OTHER UTILITIES

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (2), (3), VACUUM SANITARY SERVICE, STORM SEWER, STORM SEWER FORCE MAIN	WATER MAIN 10' MINIMUM	WATER MAIN 18" MINIMUM	6" MINIMUM WATER MAIN
ALL OTHER FACILITIES, INCLUDING BUT NOT LIMITED TO: TELEPHONE, CABLE TV, POWER, ETC.	PSLUSD FACILITY (4) 5' MINIMUM	PSLUSD FACILITY (4) 18" MINIMUM	3" MINIMUM WATER MAIN
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM	10' MINIMUM

- (1) WATER MAIN SHOULD CROSS OVER OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 18".
- (2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (3) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (4) A PSLUSD FACILITY INCLUDES MAINS AND STRUCTURES FOR POTABLE WATER, WASTEWATER AND RECLAIMED WATER.

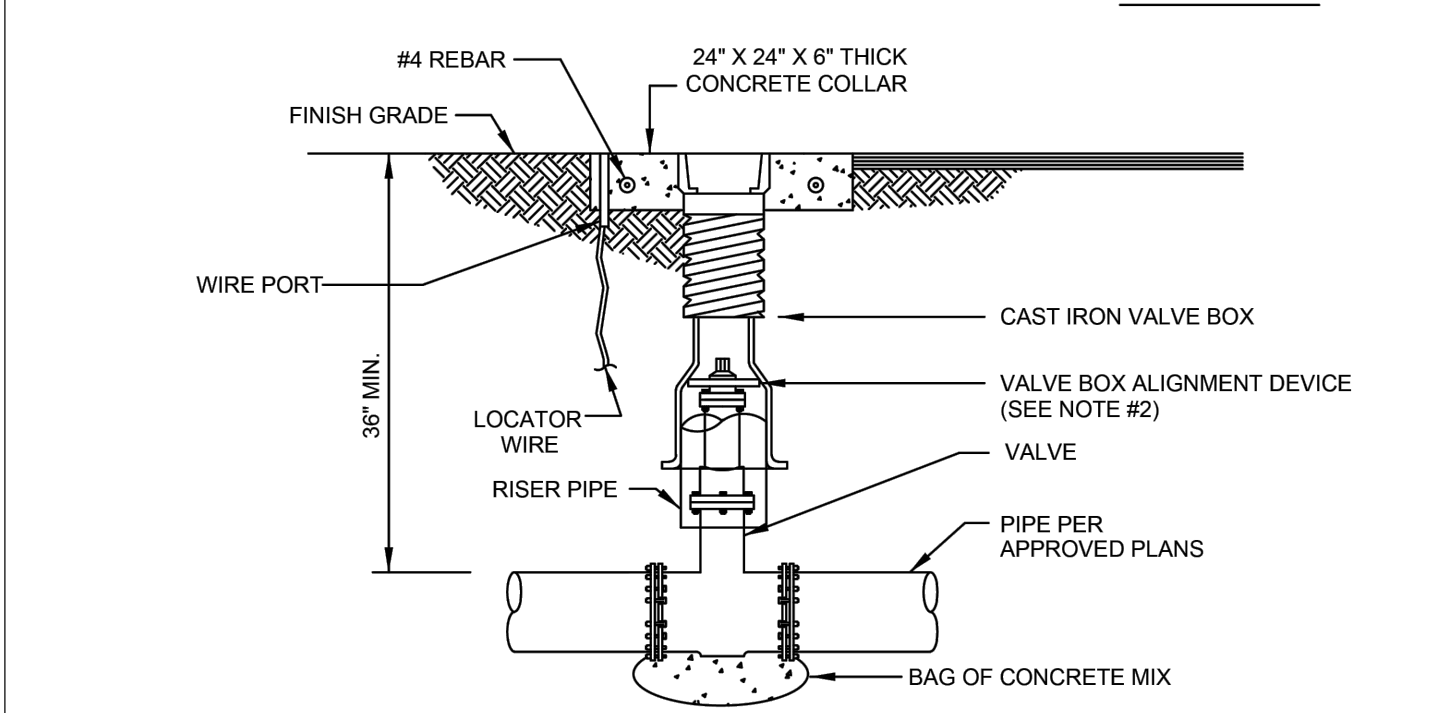
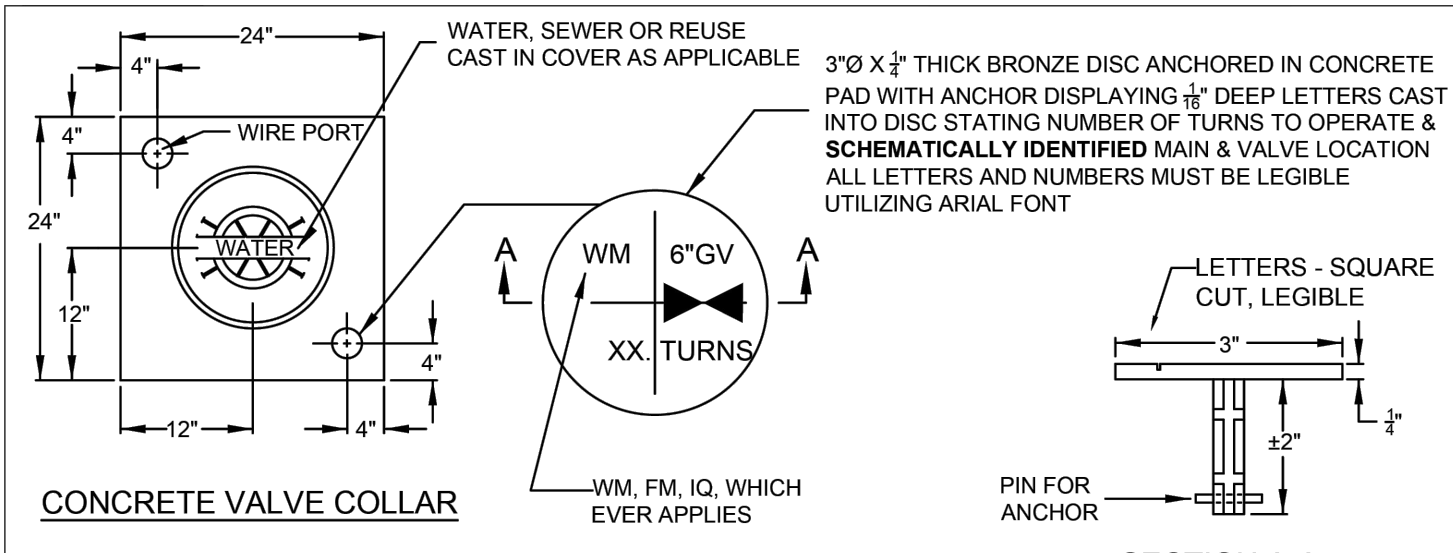


- NOTES:**
1. THE VALVE BOX SHALL BE IN ACCORDANCE WITH STANDARD DETAIL G-07.
 2. THRUST BLOCKS MAY BE REQUIRED AT THE UTILITY'S DIRECTION. (CASE BY CASE)
 3. NO TAP WILL BE ALLOWED CLOSER THAN 5 FEET FROM ANY JOINT, FITTING OR EXISTING TAP ALONG THE MAIN.
 4. ALL COUPONS MUST BE PROVIDED TO PSLUSD WITH DATE, LOCATION AND PIPE SIZE DOCUMENTED.
 5. SIZE ON SIZE TAPS ARE NOT ALLOWED UNLESS APPROVED IN WRITING BY PSLUSD.
 6. SEE NOTES ON DETAIL G-07.

MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

TAPPING SLEEVE AND VALVE ASSEMBLY

DETAIL: G-10
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1

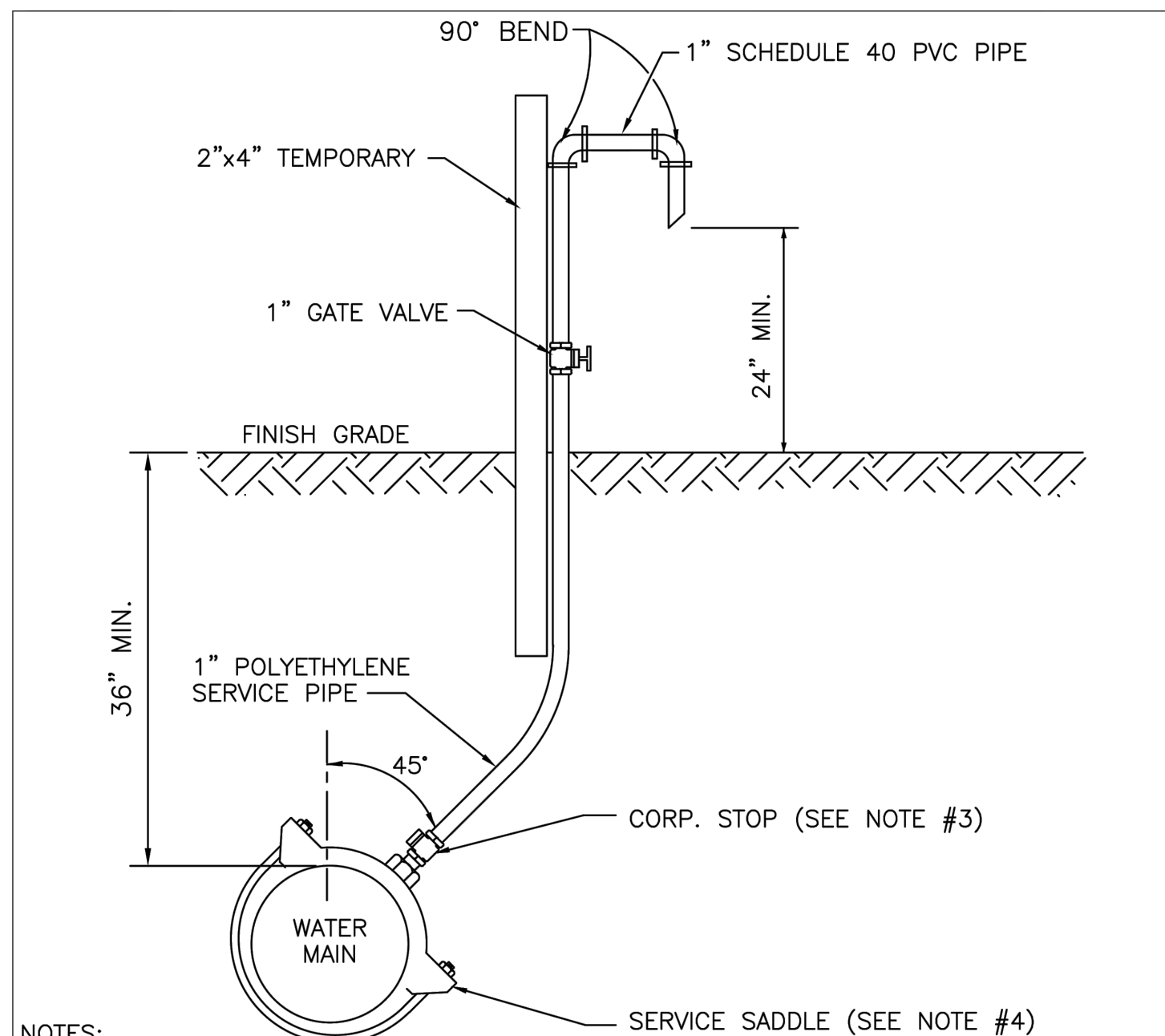


- NOTES:**
1. WHEN TOP OF OPERATING NUT IS DEEPER THAN 30", A HIGH STRENGTH STEEL EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT 24"-30" BELOW FINISHED GRADE. A STEEL CENTERING PLATE, WELDED TO THE EXTENSION, IS ALSO REQUIRED.
 2. A VALVE BOX ALIGNMENT DEVICE SHALL BE PROVIDED TO ELIMINATE SHIFTING OF THE VALVE BOX AGAINST THE OPERATING NUT.
 3. C900 OR SDR-26 P.V.C. RISER PIPE SHALL BE ADDED TO EXTEND THE VALVE BOX IF NEEDED.
 4. RPM'S SHALL NOT BE INSTALLED IN CROSSWALKS OR PEDESTRIAN WALKWAYS.
 5. THE TOP SIDE OF THE VALVE BOX COVER AND THE INSIDE OF TOP SECTION OF THE VALVE BOX SHALL BE PAINTED BLUE FOR WATER MAINS, GREEN FOR SEWER MAINS AND PURPLE FOR RECLAIMED WATER MAINS.

MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

TYPICAL VALVE BOX AND COLLAR IN UN-PAVED AREA

DETAIL: G-07
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 2

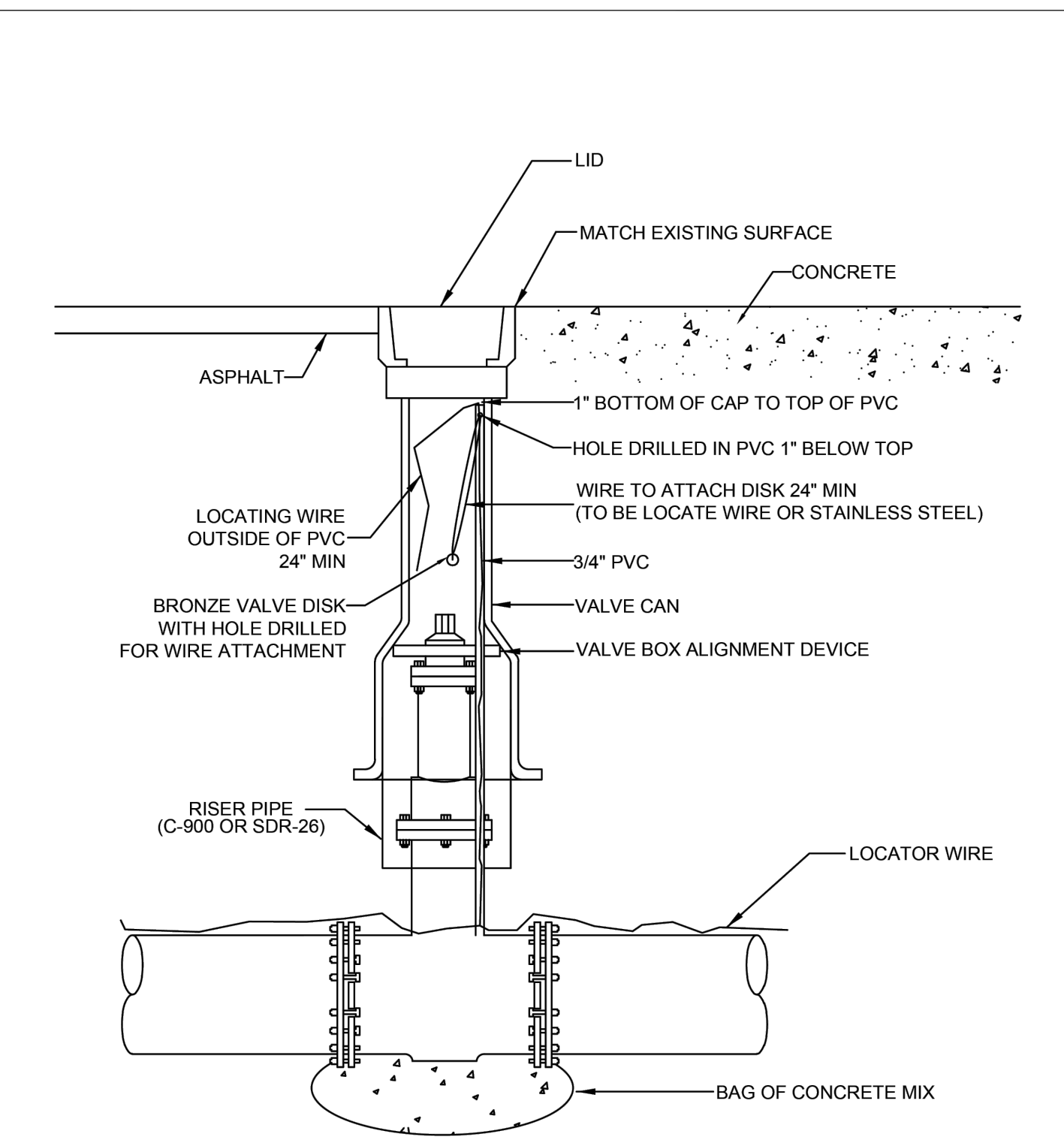


- NOTES:**
1. SAMPLING POINTS SHALL BE LOCATED AS SHOWN ON PLANS APPROVED BY PSLUSD AND AS REQUIRED BY FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. A SAMPLE POINT MAP (SINGLE SHEET PDF) SHALL BE SUBMITTED TO PSLUSD FOR REVIEW PRIOR TO DISINFECTION.
 2. THE EXCAVATED HOLE FOR THIS INSTALLATION SHALL BE BACKFILLED TO FINISHED GRADE PRIOR TO DISCHARGING ANY WATER ON THE GROUND.
 3. AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED, THE CONTRACTOR SHALL TURN CORPORATION STOP OFF, REMOVE TUBING AND PLUG CORPORATION STOP WITH BRASS PLUG/CAP.
 4. NO DIRECT TAPS SHALL BE PERMITTED.

MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

WATER SAMPLING POINT

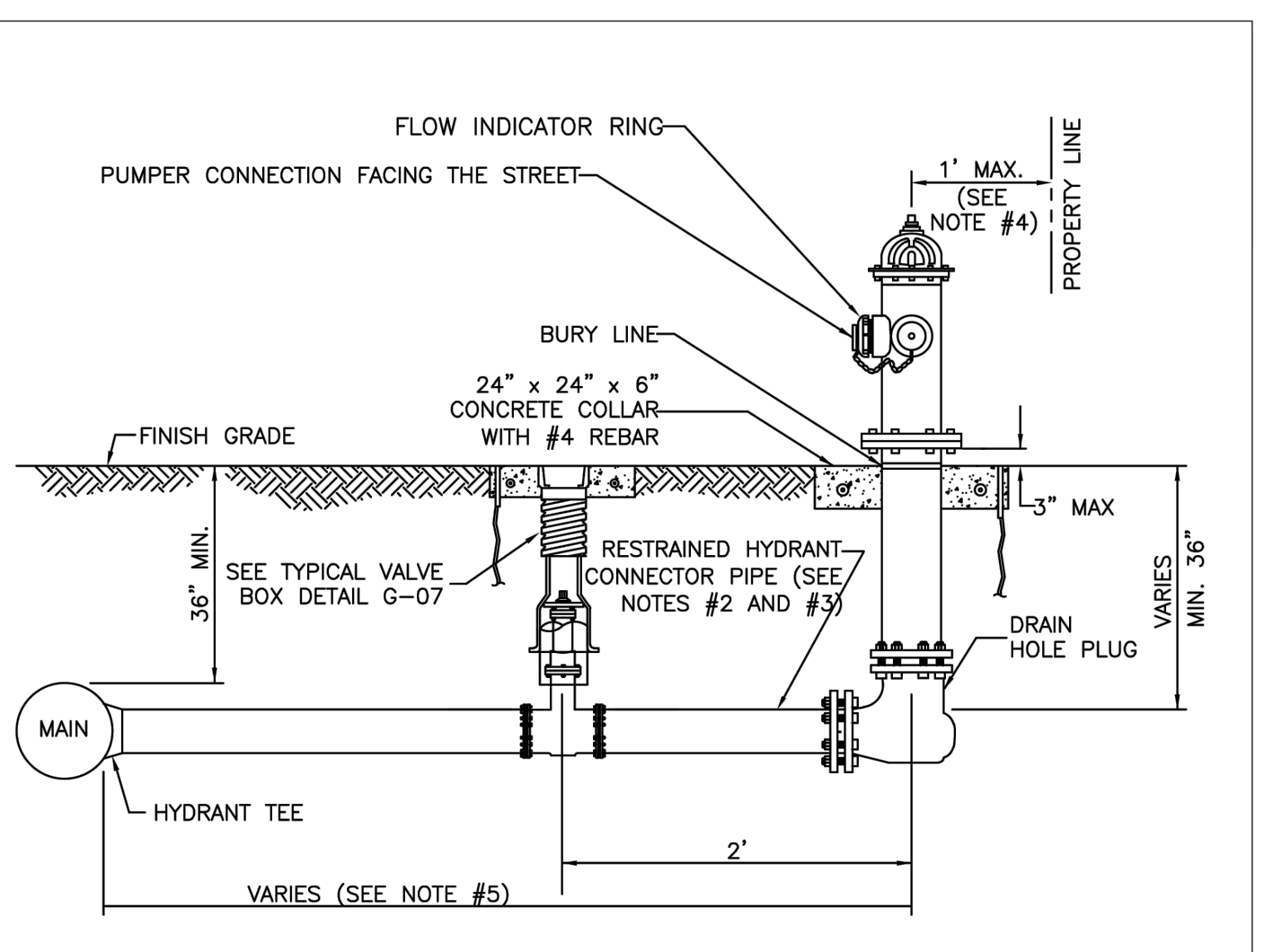
DETAIL: W-05
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1



MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

TYPICAL VALVE BOX IN PAVED AREA

DETAIL: G-07
DATE: 2019
SCALE: N.T.S.
SHEET: 2 OF 2



- NOTES:**
1. HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600. THE HYDRANTS SHALL BE PAINTED BY THE MANUFACTURER WITH 2 COATS (MIN.).
 2. VERTICAL BENDS MAY BE NECESSARY TO OBTAIN COVER UNDER SWALES OR AT HYDRANT LOCATION. VERTICAL BENDS OR OFFSETS ARE INCLUDED IN HYDRANT ASSEMBLY. ALL BENDS MUST BE RESTRAINED.
 3. CONNECTOR PIPE AND ANY REQUIRED VERTICAL BENDS SHALL HAVE AN ANCHORING FEATURE ON BOTH ENDS SO THAT WHEN USED WITH M.J. SPLIT GLANDS, A RESTRAINED JOINT IS PROVIDED.
 4. WHEN INSTALLED WITH SIDEWALK OR CURB, PROVIDE MIN. 2 FOOT CLEARANCE TO ANY PORTION OF THE HYDRANT, UTILIZING THE SIDE LOT EASEMENT IF NECESSARY.
 5. A GATE VALVE SHALL BE INSTALLED WITHIN 2 FEET OF THE FIRE HYDRANT. IF DISTANCE FROM THE WATER MAIN TO THE FIRE HYDRANT IS GREATER THAN 20 FEET, A SECOND GATE VALVE SHALL BE INSTALLED WITHIN 2 FEET OF THE MAIN.
 6. ANY DEVIATIONS FROM THE CRITERIA ABOVE REQUIRE A WRITTEN RECOMMENDATION FROM THE ENGINEER-OF-RECORD AND WRITTEN APPROVAL BY PSLUSD.

MINIMUM CONSTRUCTION STANDARDS FOR
CITY OF PORT ST. LUCIE
900 S.E. OGDEN LANE
PORT ST. LUCIE, FL 34983
PHONE (772) 873-6400 FAX (772) 873-6433

FIRE HYDRANT ASSEMBLY

DETAIL: W-06
DATE: 2019
SCALE: N.T.S.
SHEET: 1 OF 1

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
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

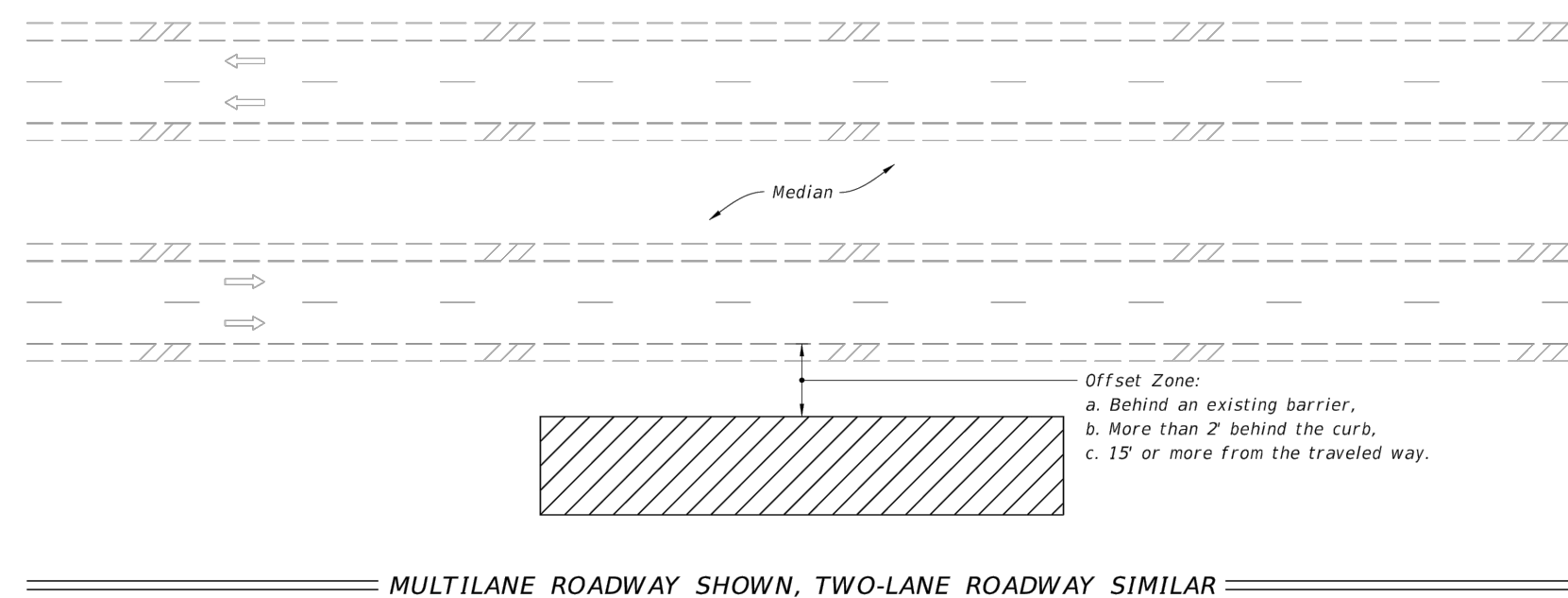
- REVISIONS -		BY	DATE

DESIGNED	BY	DATE

SW MARSHALL PARKWAY

UTILITY DETAILS

DATE: 5/10/23
HORIZ. SCALE: N/A
VERT. SCALE: N/A
JOB No. 22-083
SHEET 14 of 15



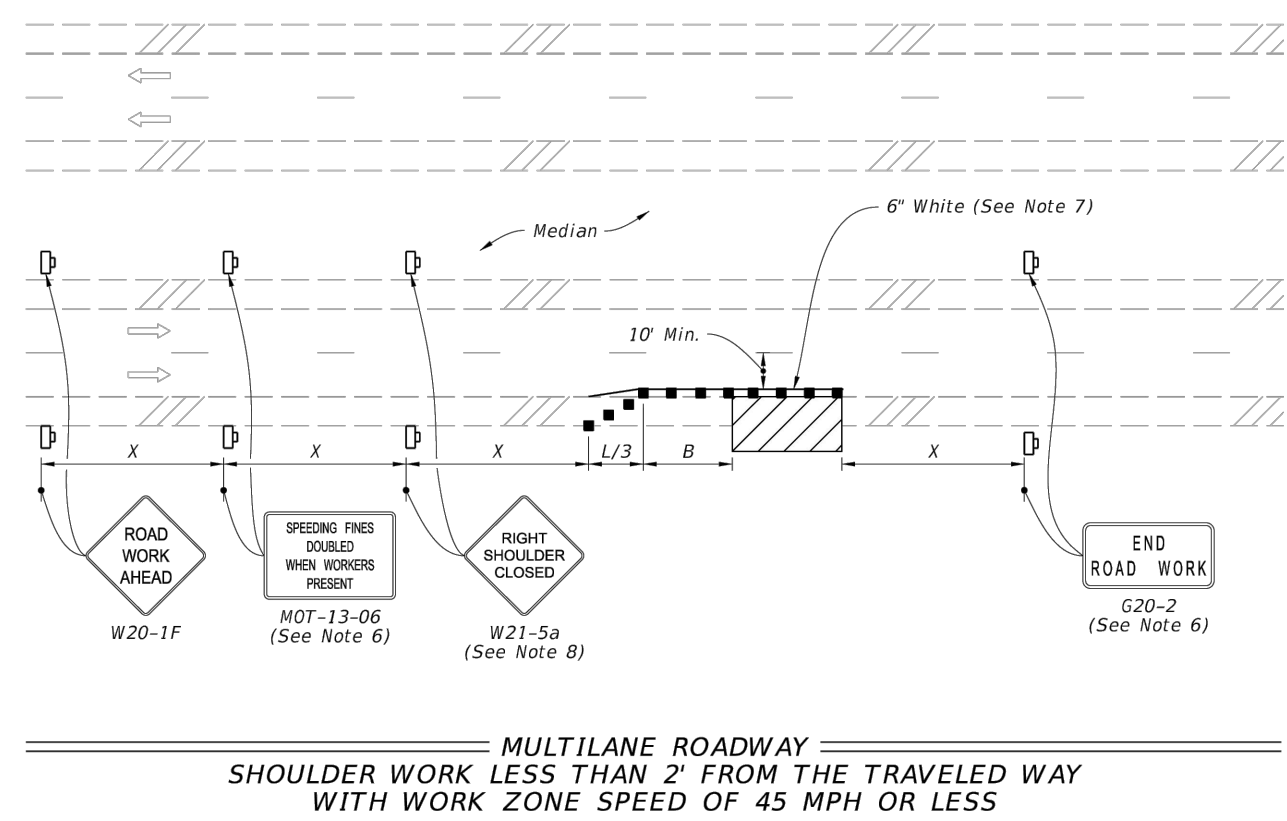
NOTES:

- This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
- Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
- Use Index 102-660 when Work Area encroaches a Sidewalk.

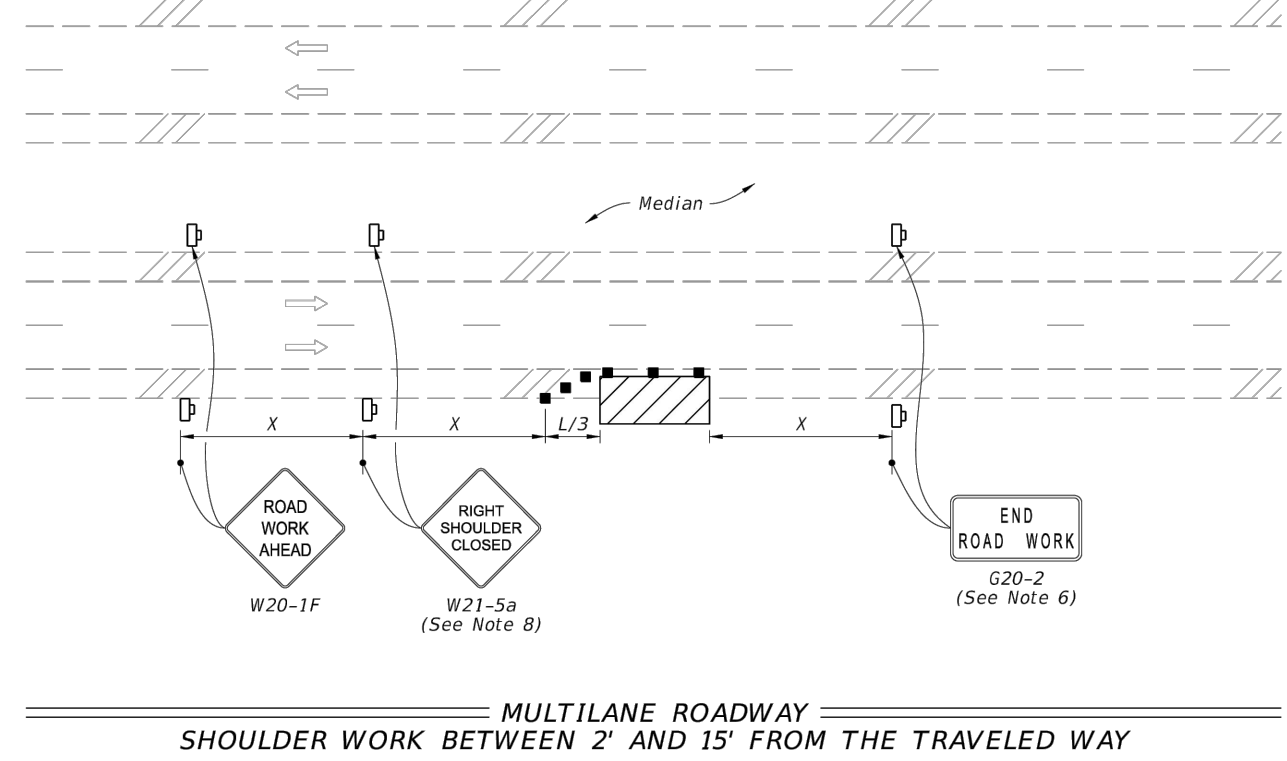
SYMBOLS:

- Work Area
- Lane Identification and Direction of Traffic

LAST REVISION 11/01/20	DESCRIPTION:	FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	INDEX 102-601	SHEET 1 of 1
---------------------------	--------------	------------------------------	---	------------------	-----------------



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

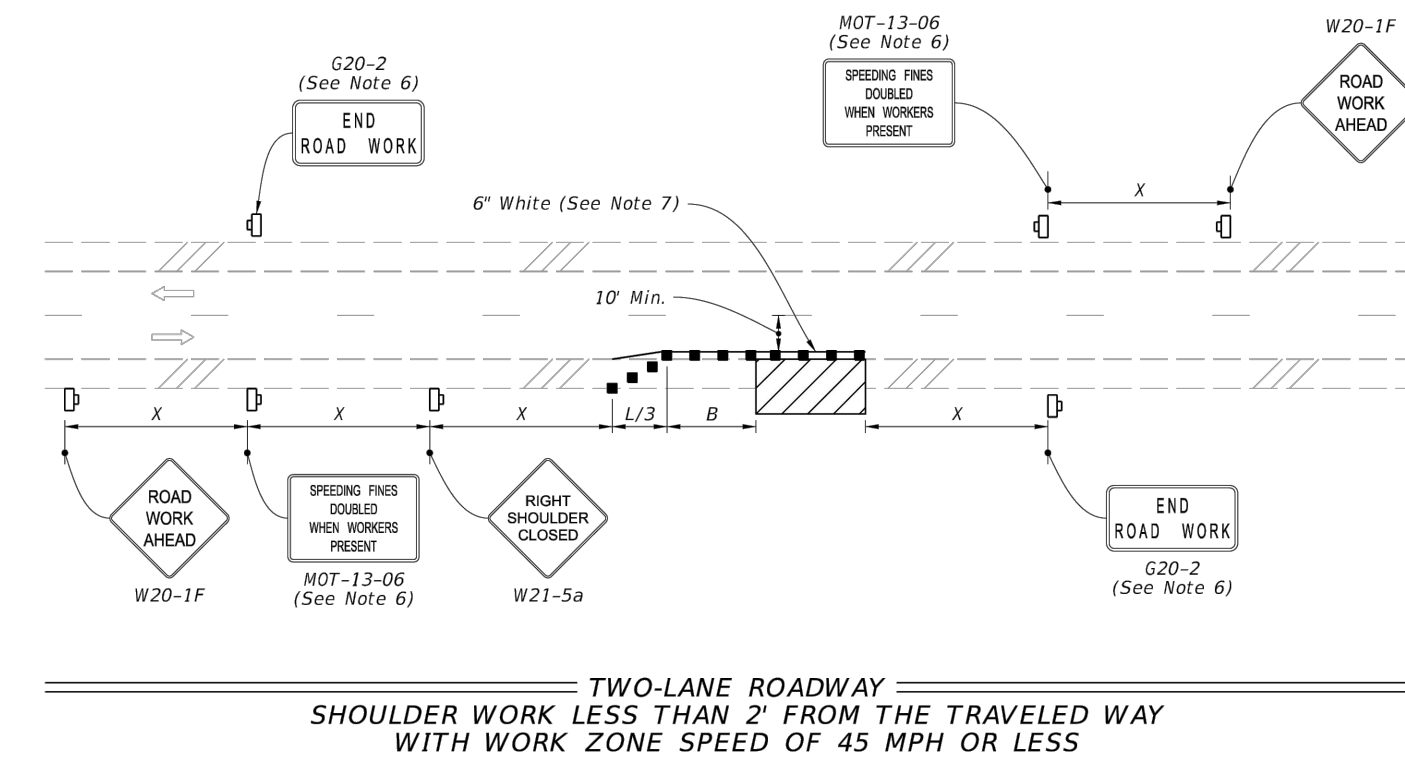
LAST REVISION 11/01/20	DESCRIPTION:	FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2
---------------------------	--------------	------------------------------	--	------------------	-----------------

NOTE:

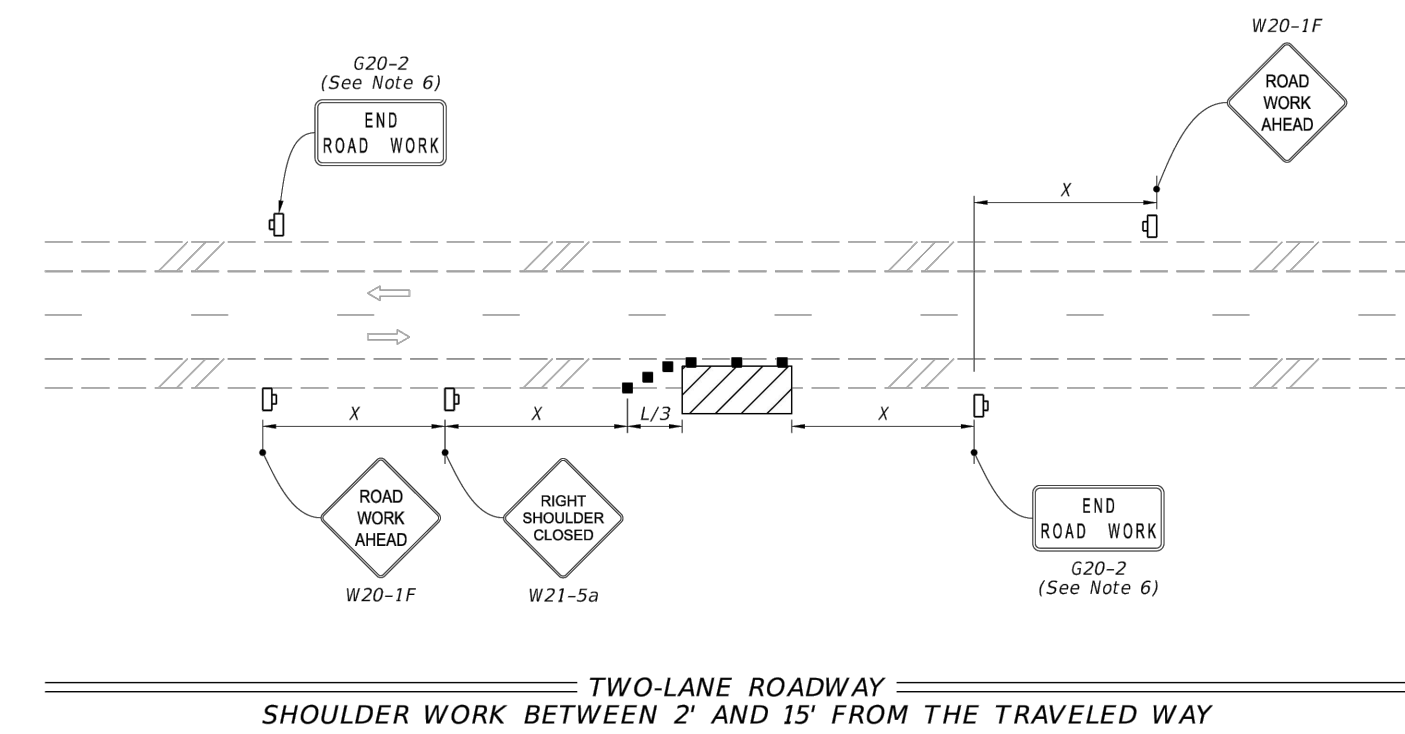
- This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
- L = Taper Length
X = Work Zone Sign Spacing
B = Buffer Length
See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
- Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
- When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
- For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
- The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
- Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
- When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

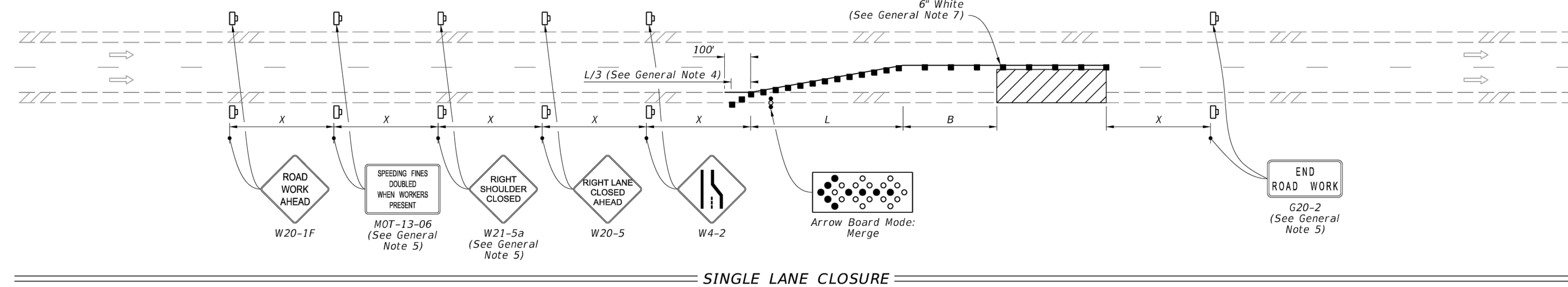


TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION 11/01/21	DESCRIPTION:	FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 2
---------------------------	--------------	------------------------------	--	------------------	-----------------



SINGLE LANE CLOSURE

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

GENERAL NOTE:

- L = Taper Length
B = Buffer Length
X = Work Zone Sign Distance
See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
- On undivided highways the median signs as shown are to be omitted.
- On limited access facilities, omit "Right Shoulder Closed" signs (W21-5a) and associated work zone sign spacing distances.
- If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.
- The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2) and "Right Shoulder Closed" (W21-5a), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
- Use inverted plan of the illustrations for work on left side of roadways.
- Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

LAST REVISION 11/01/21	DESCRIPTION:	FY 2022-23 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 1 of 5
---------------------------	--------------	------------------------------	----------------------------------	------------------	-----------------

PSLUSD PROJECT NO. 11-900-0206
CITY OF PSL PROJECT NO. P23-048

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



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

COMPUTER FILE REF.	FIELD BK./PG.

CULPEPPER & TERPENING INC
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

- REVISIONS -		
BY	DATE	DESCRIPTION

DESIGNED	BY	DATE

SW MARSHALL PARKWAY
TRAFFIC CONTROL PLAN

DATE: 5/10/23
HORIZ. SCALE: N/A
VERT. SCALE: N/A
JOB No. 22-083
SHEET 15 of 15