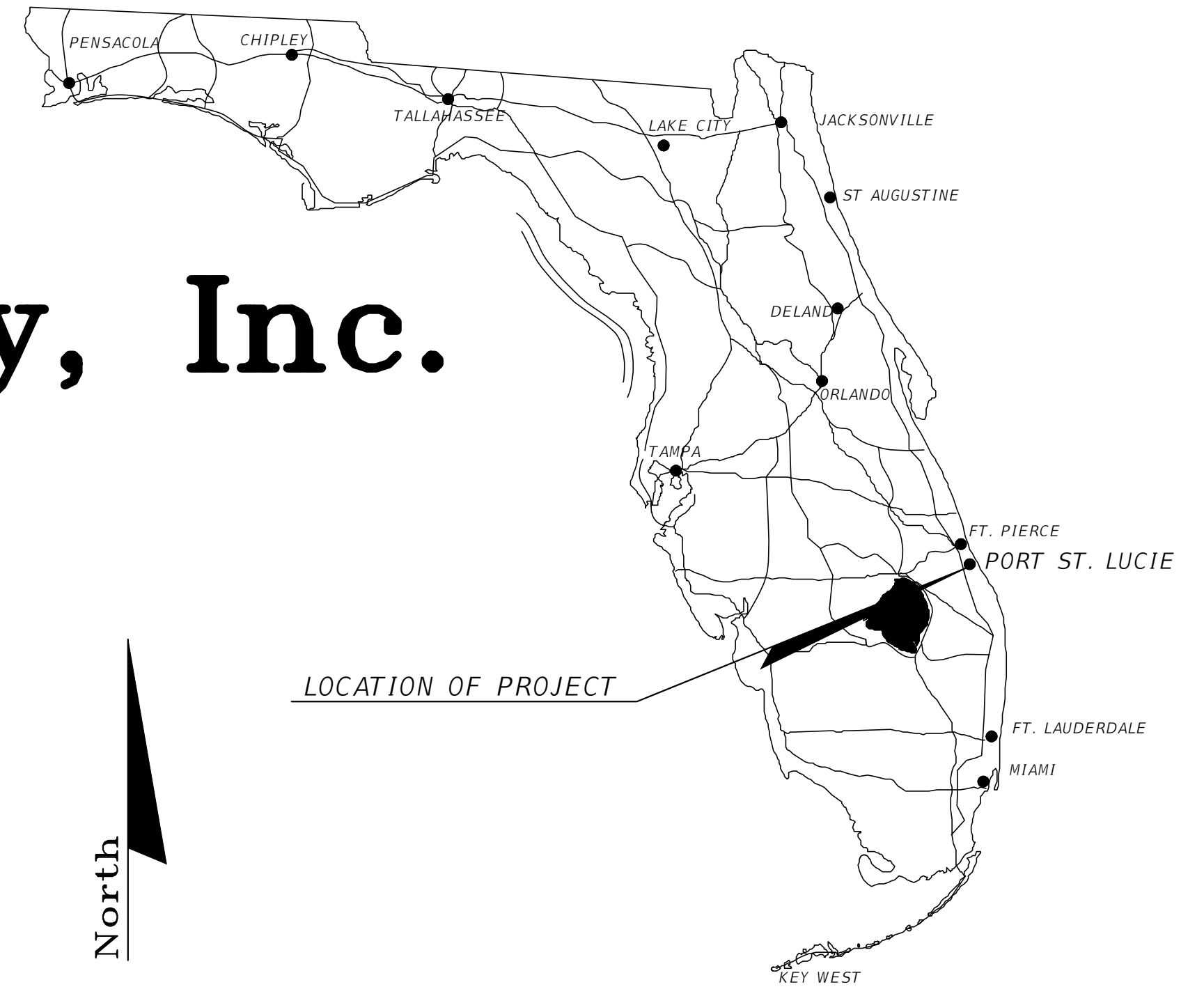


PLANS PREPARED FOR

# ARCO/Murray National Construction Company, Inc.



COMPONENTS OF CONTRACT PLANS SET  
\* ROADWAY CONSTRUCTION PLANS

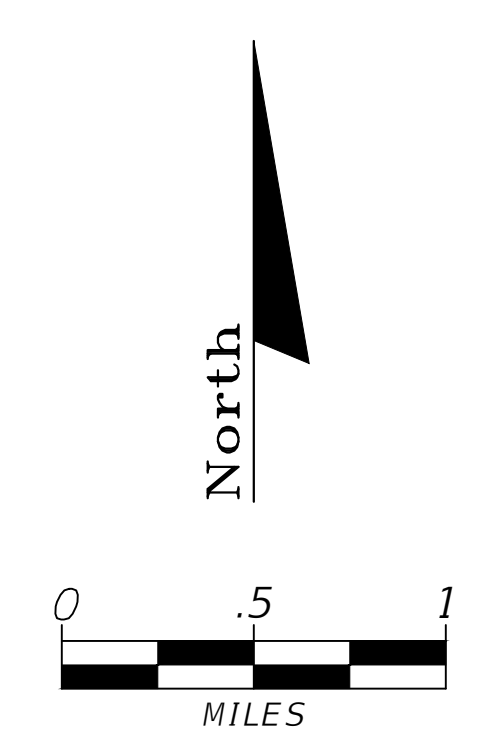
## CONTRACT PLANS

### LEGACY PARK – E-W ROADWAY

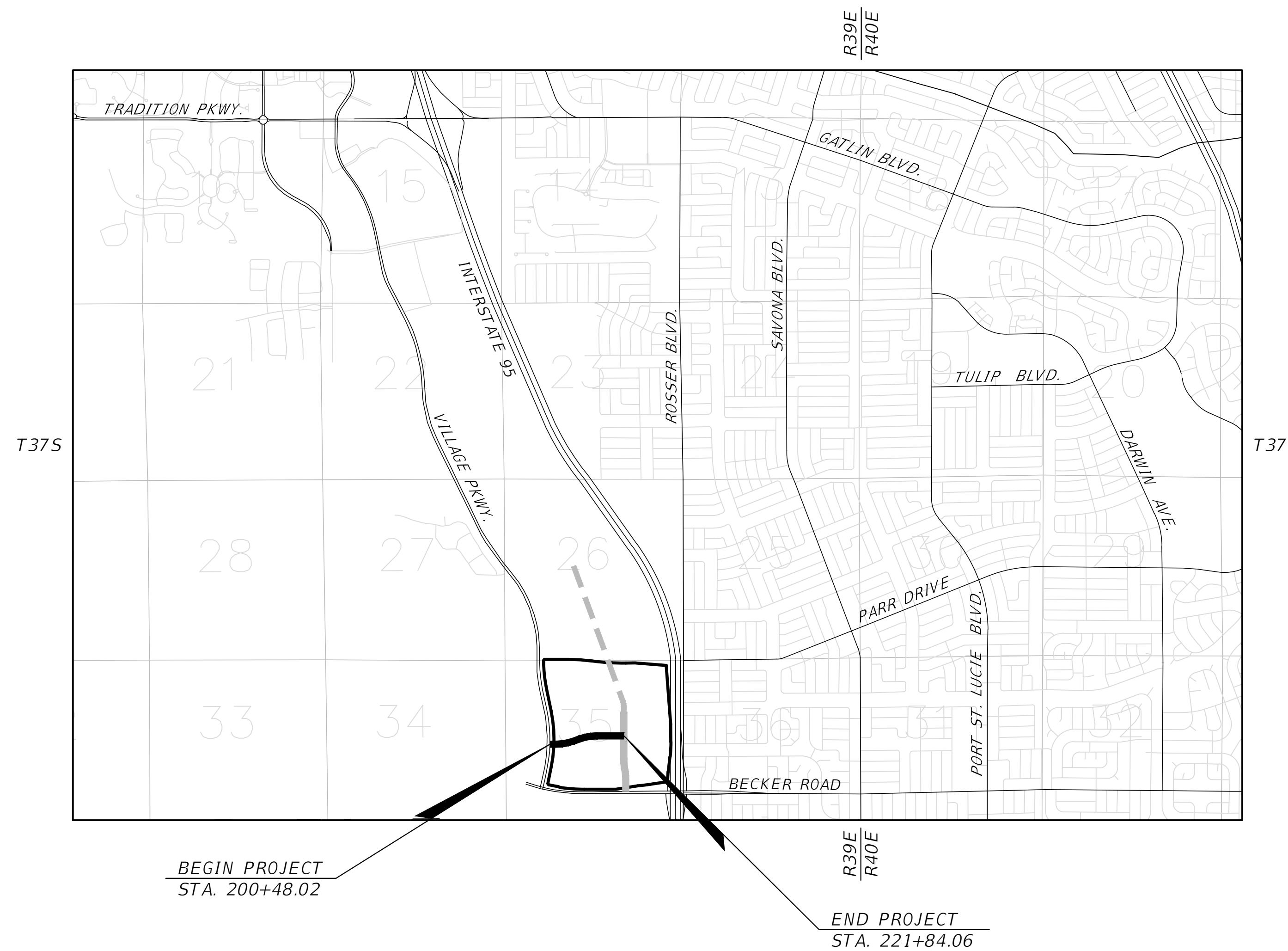
#### CITY OF PORT ST. LUCIE

#### INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	BASIN H DRAINAGE MAP
4	TYPICAL SECTIONS
5	PROJECT LAYOUT
6-7	ROADWAY PLAN & PROFILE SHEETS
8-9	ROADWAY CROSS SECTIONS
10	DRAINAGE DETAILS
11-12	EROSION AND SEDIMENT CONTROL PLANS & NOTES
13	TEMPORARY TRAFFIC CONTROL DETAILS
14	SIGNING AND PAVEMENT MARKING PLANS



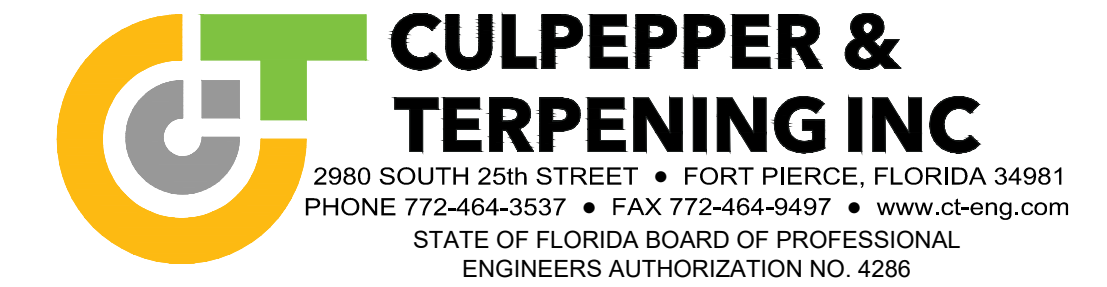
LOCATION OF PROJECT



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.

Florida Department of Transportation, FY2020-21 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:  
<http://www.fdot.gov/design/Standardplans.shtm>

APPLICABLE IRs: IR102-600, IR455-003, IR509-070

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

Florida Department of Transportation, July 2020 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

#### Environmental Statement:

This site was included in the overall Southern Grove DRI and environmental items were addressed as part of that development review process. The project site is currently vacant. According to the environmental summary assessment from October 2020, there are no environmentally sensitive lands or regulated wetlands on site. No wildlife, or evidence of wildlife, including that from the list of state and federally protected species, rare, threatened, endangered, or species of special concern was observed on the property. No portions of the property appear to be environmentally sensitive.

Description	Found (Yes/No)	Agency Contact Information	Management Plan (Yes/No)	Relocation Plan (Yes/No)
Wetlands	Yes		*Yes	*Yes
Rare Habitat	No			
Threatened Species	Yes		No	No
Endangered Species	No			
Species of Special Concern	No			
Invasive / Exotic Vegetation	Yes		N/A	N/A

\*See existing permits: SFWMD 56-01544-P, 56-0279-P, and 56-02531-P / USACE SAJ-2006

REVISIONS

LENGTH OF PROJECT		
	LIN. FT.	MILES
UTILITY	0 LF	0.000
ROADWAY	2,136.04 LF	0.405
BRIDGES	0 LF	0.000
EXCEPTIONS		
GROSS LENGTH OF PROJ.	2,136.04 LF	0.405

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

100% CONSTRUCTION PLANS  
DECEMBER 9, 2021

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

PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

C&T JOB NO.: 20-127

FISCAL YEAR	SHEET NO.
21	1

**GENERAL NOTES**

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
2. ALL DRAINAGE INFRASTRUCTURE IS TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
4. STATIONING AND OFFSETS REFER TO THE BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
6. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHOULD NOTIFY THE CITY SURVEYOR RICK COMPITELLO, WITHOUT DELAY, BY TELEPHONE (772) 871-5280.
7. 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. 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. IF DEWATERING PUMPS ARE REQUIRED TO RUN OVERNIGHT THE CONTRACTOR IS REQUIRED TO OBTAIN A NOISE PERMIT PER CITY CODE SECTION 94.07.
15. WORK HOURS ARE FROM 7:00 AM TO DUSK, MONDAY-FRIDAY, WORK WILL NOT BE ALLOWED ON WEEKENDS OR HOLIDAYS OBSERVED BY THE CITY OF PORT ST. LUCIE UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE CITY, THE CONTRACTOR MUST RECEIVE WRITTEN PERMISSION FROM THE CITY AND PROVIDE AN APPROVED MOT PLAN BEFORE ANY LANE CLOSURES OCCUR.
16. THE MAXIMUM CROSS SLOPES ON ALL SIDEWALKS IS 2%. ALL TRANSITIONS BETWEEN PROPOSED SIDEWALKS AND EXISTING SIDEWALKS SHALL BE SMOOTH AND LEVEL. DURING CONSTRUCTION ALL EXISTING PEDESTRIAN AND VEHICULAR PATHS MUST REMAIN USABLE AND ACCESSIBLE, OR ALTERNATE PATHS MUST BE PROVIDED.
17. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION.
18. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLANS OR AS DIRECTED BY THE PROJECT ENGINEER TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
19. THE SIDEWALK MUST BE FREE OF OVERHEAD OBSTRUCTIONS PER SECTION 4.4.2 OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). CONTRACTOR SHALL ASSURE THAT NO OBSTRUCTION (UTILITY POLE, EQUIPMENT, SIGN, STRUCTURE, TREE, GRATE, ETC.) RESTRICTS ACCESS ALONG SIDEWALK TO A PATH LESS THAN 48".
20. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE PROJECT ENGINEER.
21. EXISTING LANDSCAPE IMPROVEMENT THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS ARE TO BE RELOCATED PER THE DIRECTION OF THE ENGINEER OF RECORD.
22. LANE CLOSURES ALONG BECKER ROAD OR VILLAGE PARKWAY SHALL BE COORDINATED WITH THE CITY OF PORT ST. LUCIE.

23. 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.
24. 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.
25. 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 FOOT SPECIFICATIONS AND FDOT STANDARD INDEX 505 AND IS APPROVED BY THE CITY CONSTRUCTION ENGINEER.
26. 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.
27. ALL MUCK AND PLASTIC MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT INDEX 500.
28. ALL VEGETATION, DEBRIS, PAVEMENT, CONCRETE OR OTHER UNSUITABLE MATERIALS SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE CONTRACTOR.
29. 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.
30. 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.
31. 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
32. ALL AREAS DESIGNATED FOR PAVEMENT REMOVAL SHALL BE SAW-CUT AT THE LIMITS OF REMOVAL ADJACENT TO EXISTING PAVEMENT WHICH IS TO REMAIN.
36. 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.
37. ALL ADA WARNING SURFACES ARE TO BE CAST IN PLACE.
38. ALL CONCRETE SIDEWALK JOINTS SHALL BE TOOLED WITHOUT EXPANSION JOINTS.
39. THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (6).

PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

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

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**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.

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2980 SOUTH 25th STREET • FORT PIERCE, FLORIDA 34981  
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STATE OF FLORIDA BOARD OF PROFESSIONAL ENGINEERS AUTHORIZATION NO. 4286

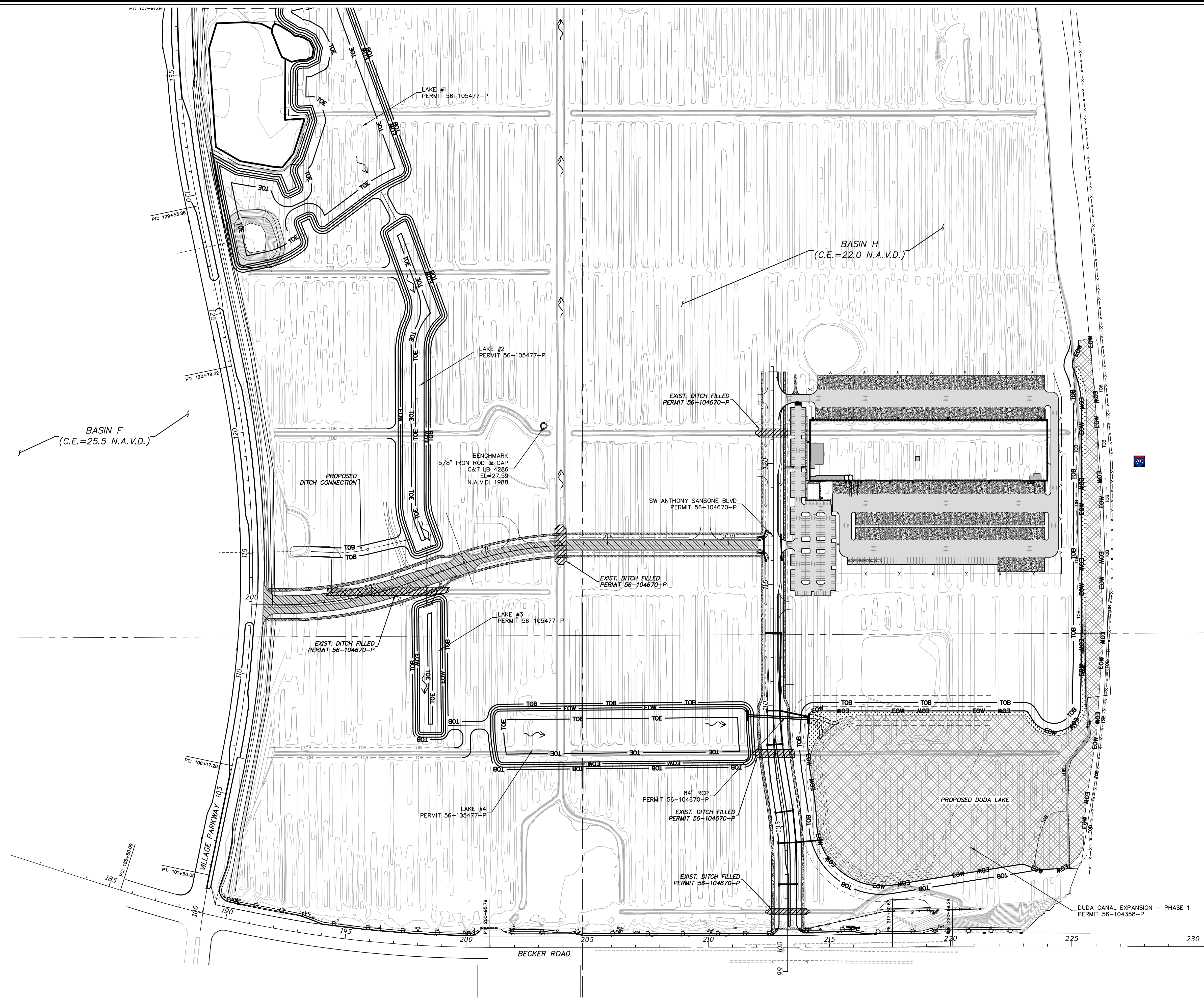
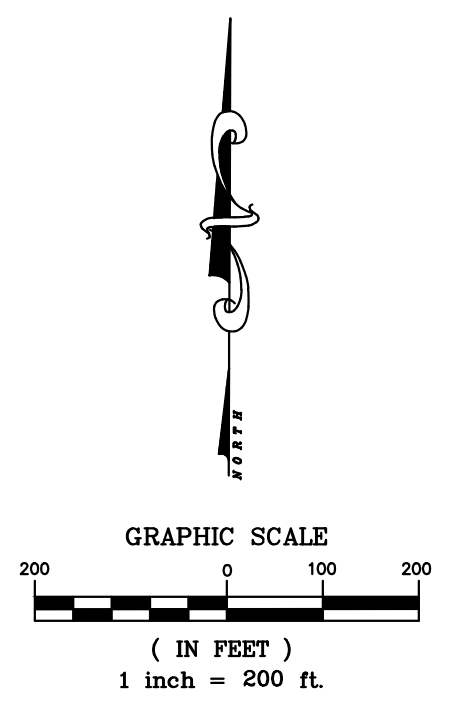
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	BY	DATE
DESIGNED		
CALCS.		
DRAWN	DRP	
DETAILED		
CHECKED	SKM	
APPROVED		

**LEGACY PARK - E-W ROADWAY**

**GENERAL NOTES**

DATE: 12/09/2021  
HORIZ. SCALE: N/A  
VERT. SCALE: N/A  
JOB No. 20-127  
SHEET 2 of 14



PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

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



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- REVISIONS -		
	BY	DATE

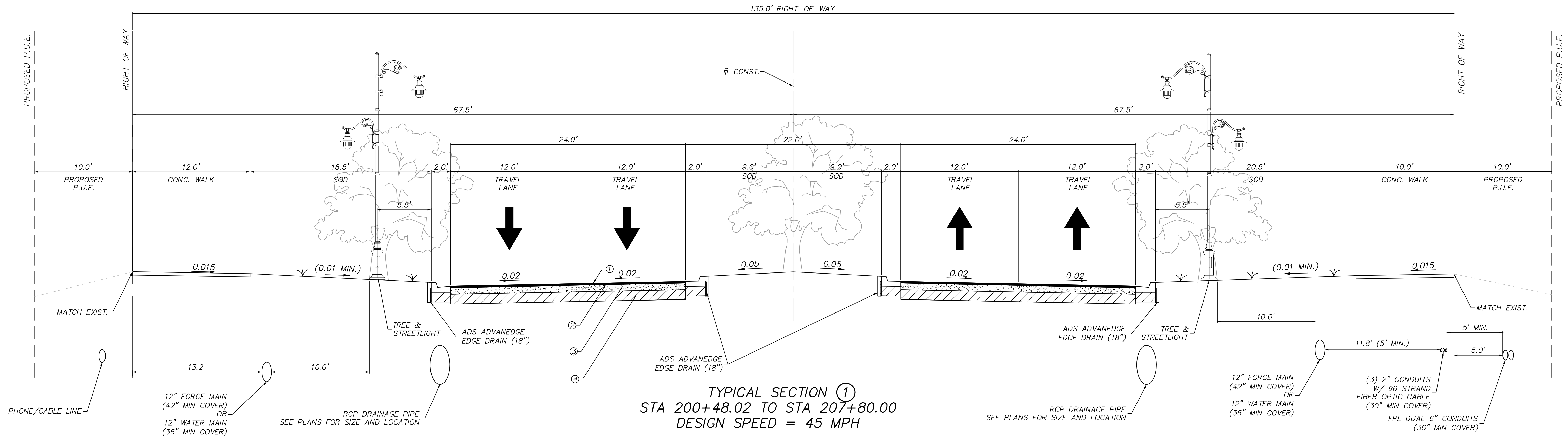
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DESIGNED		
CALCS.		
DRAWN	DRP	
DETAILED		
CHECKED	SKM	
APPROVED		

**LEGACY PARK - E-W ROADWAY**

**BASIN H DRAINAGE FLOW**

DATE: 12/09/2021  
HORIZ. SCALE: 1"=200'  
VERT. SCALE: N/A  
JOB No. 20-127  
SHEET **3 of 14**

P:\Proj-2020\20-127 Arco Murray\Eng\20-127 Drainage Flow.dwg Plotted: 12/9/2021 5:49 PM By: DONNIE PINKERTON



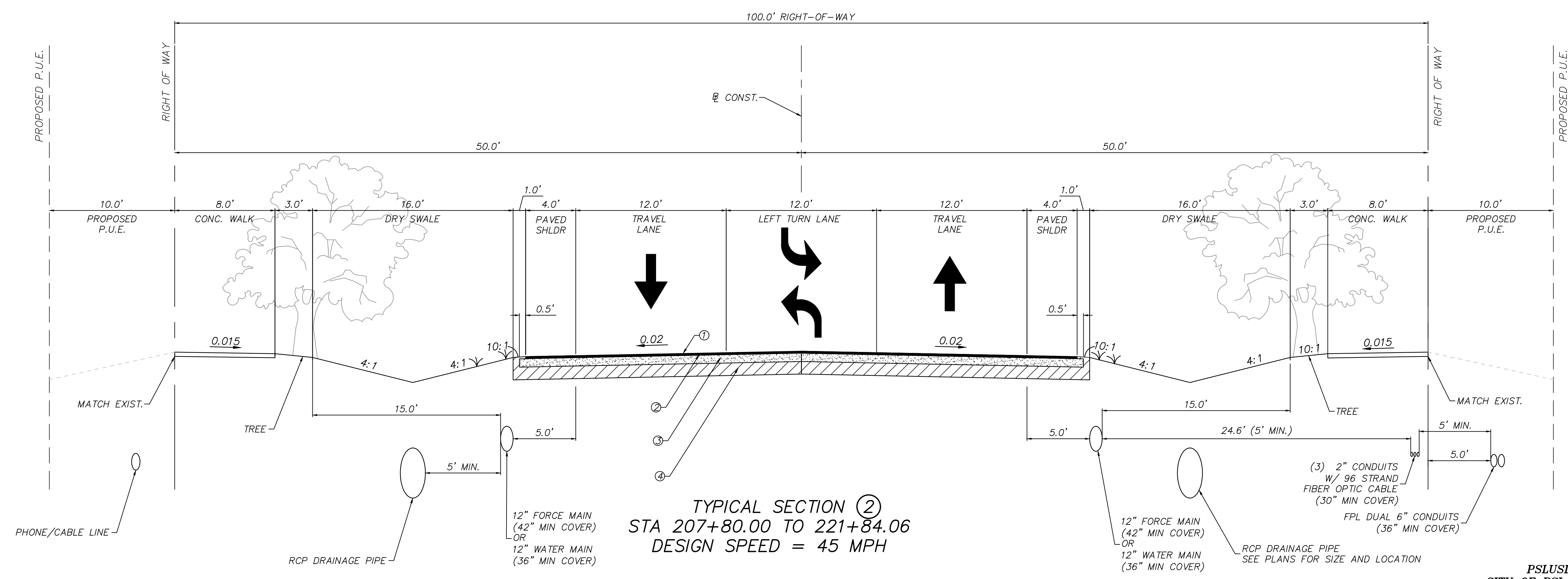
**TYPICAL SECTION ①**  
 STA 200+48.02 TO STA 207+80.00  
 DESIGN SPEED = 45 MPH

- ASPHALT PAVEMENT (SN=4.74)**
- ① TYPE FC-9.5 FRICTION COURSE (TRAFFIC LEVEL C) (1.5") (SN=.66)
  - ② TYPE SP-12.5 STRUCTURAL COURSE (3.0" THICK) (SN=1.32)
  - ③ OPTIONAL BASE GROUP 9 (SN=1.8)
  - ④ 12" TYPE 'B' STABILIZATION (SN=.96)

- NOTES:**
- SEE PLAN AND/OR CROSS SECTION SHEETS FOR DIMENSIONS, ELEVATIONS AND SLOPES INDICATED AS "VARIES."
  - ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE SODDED USING COMMON BAHIA SOD EXCEPT WHEN MATCHING EXISTING.
  - MAXIMUM SIDEWALK SLOPE IS 2.0%
  - PROPOSED LANDSCAPE IMPROVEMENTS AND MULTIMODAL PATH SEE PLANS BY LANDSCAPE DESIGN ASSOCIATES.
  - PLACE STREET TREES ON 40' CENTERS.

**TRAFFIC DATA**

CURRENT YEAR	= 2021 AADT = 0
ESTIMATED OPENING YEAR	= 2022 AADT = 1,500 VPD
ESTIMATED DESIGN YEAR	= 2022 AADT = 1,750 VPD
DESIGN SPEED	= 45 MPH



**TYPICAL SECTION ②**  
 STA 207+80.00 TO STA 221+84.06  
 DESIGN SPEED = 45 MPH

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**NOTES:**  
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- REVISIONS -		
NO.	BY	DATE

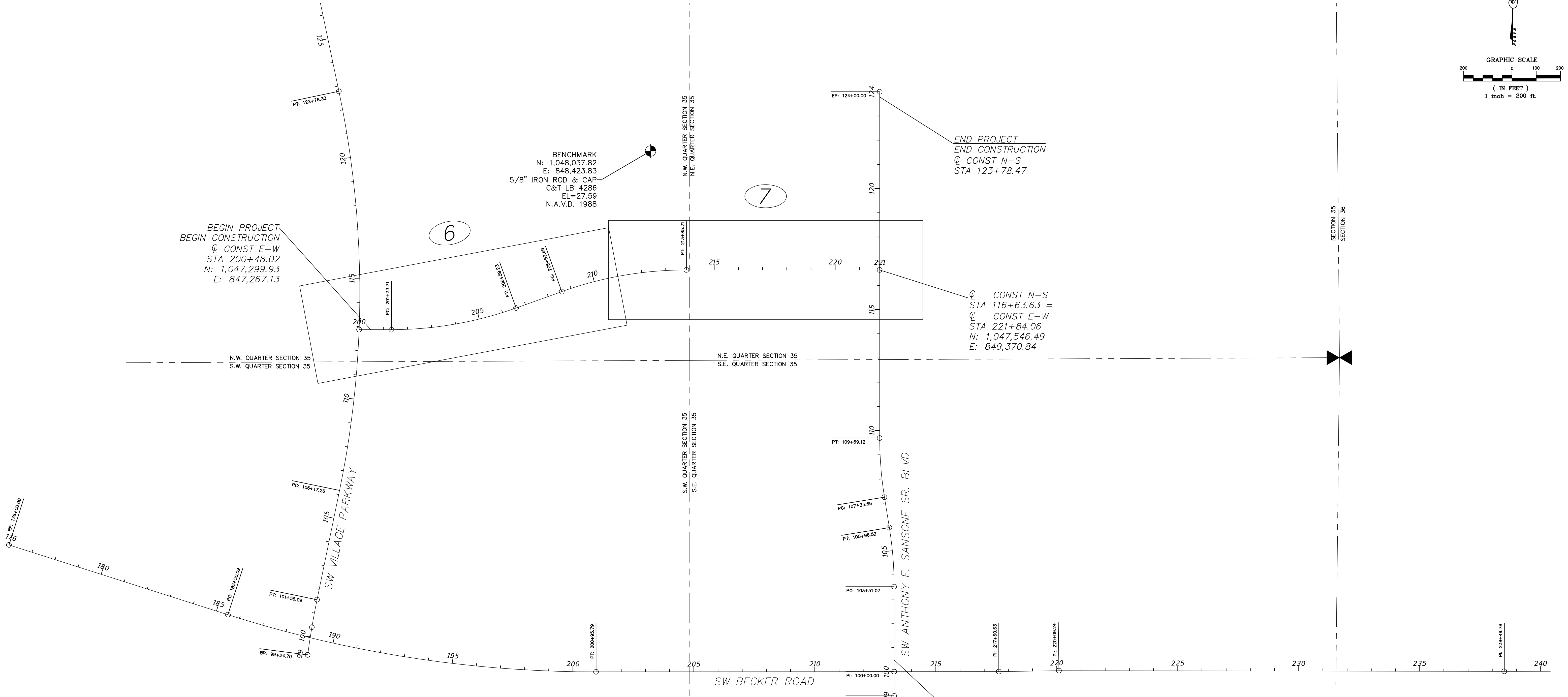
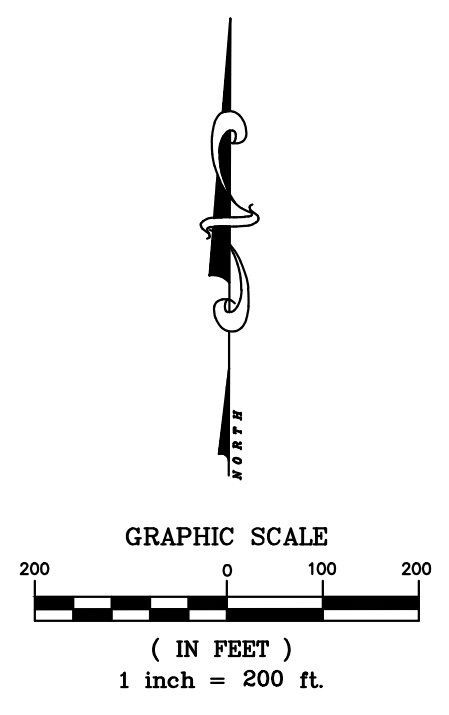
DESIGNED	BY	DATE

**LEGACY PARK - E-W ROADWAY**

**TYPICAL SECTIONS**

DATE: 12/09/2021
HORIZ. SCALE: 1" = 5'
VERT. SCALE: ----
JOB No. 20-127
SHEET 4 of 14

PSLUSD PROJECT NO. 5360-5  
 CITY OF PSL PROJECT NO. P21-256  
 STEFAN K. MATTHEWS, P.E.  
 FL. REG. NO. 38723



BEGIN PROJECT  
BEGIN CONSTRUCTION  
@ CONST E-W  
STA 200+48.02  
N: 1,047,299.93  
E: 847,267.13

BENCHMARK  
N: 1,048,037.82  
E: 848,423.83  
5/8" IRON ROD & CAP  
C&T LB 4286  
EL=27.59  
N.A.V.D. 1988

END PROJECT  
END CONSTRUCTION  
@ CONST N-S  
STA 123+78.47

@ CONST N-S  
STA 116+63.63 =  
@ CONST E-W  
STA 221+84.06  
N: 1,047,546.49  
E: 849,370.84

BEGIN PROJECT  
BEGIN CONSTRUCTION  
@ CONST N-S  
STA 100+48.56  
N: 1,045,935.16  
E: 849,430.52

LEGEND  
# SHEET NO. #  
BENCHMARK

PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

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

P:\Proj-2020\20-127 Arco Murray\Eng\20-127 PROJECT LAYOUT.dwg Plotted: 12/19/2021 8:49 PM By: DONNIE FINKERTON



NOTES:  
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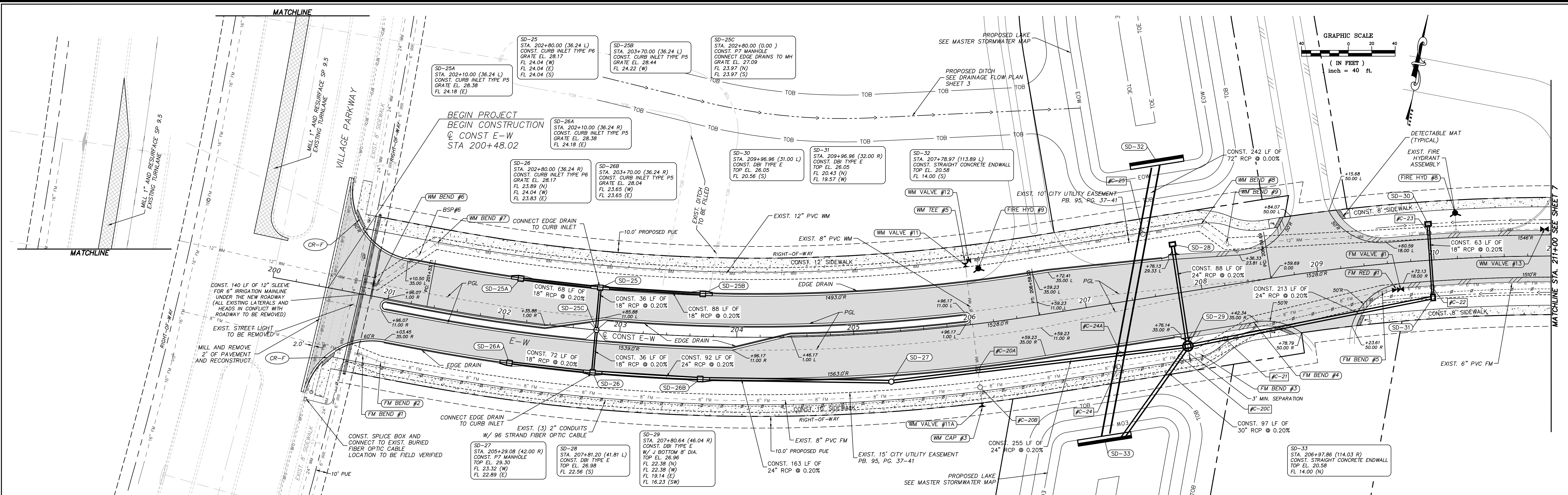
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- REVISIONS -		BY	DATE

	BY	DATE
DESIGNED		
CALCS.		
DRAWN	DRP	
DETAILED		
CHECKED	SKM	
APPROVED		

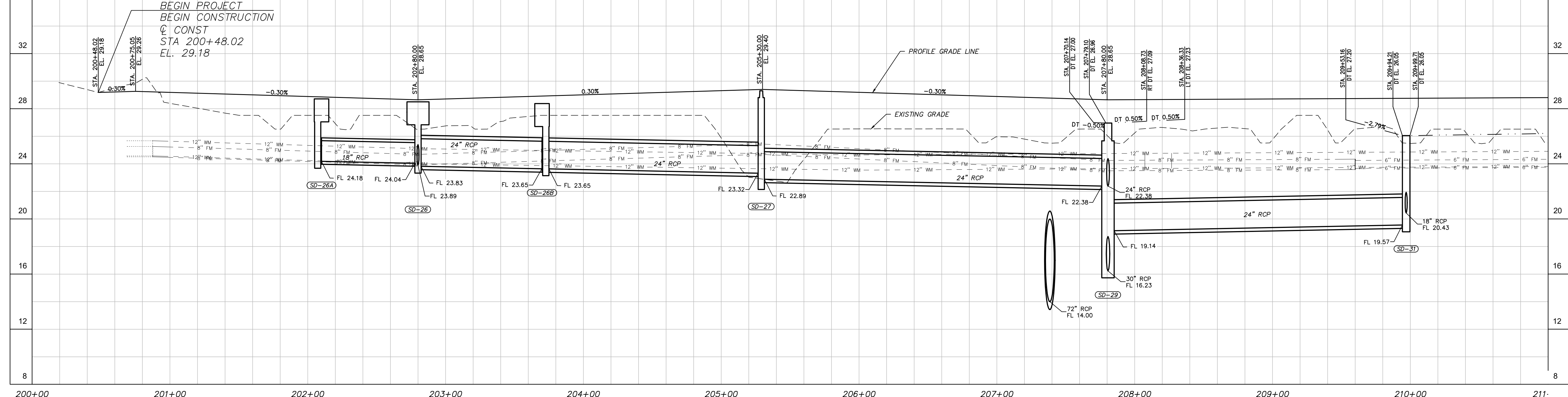
**LEGACY PARK - E-W ROADWAY**  
**PROJECT LAYOUT**

DATE: 12/09/2021  
HORIZ. SCALE: SCALE  
VERT. SCALE: SCALE  
JOB No. 20-127  
SHEET 5 of 14



FUTURE PIPE CROSSING TABLE

CROSSING #	TYPE	TOP OF PIPE		BOTTOM OF PIPE	FINISH GRADE
		(ELEV.)	(TYPE)		
C-20A	24" STORM OVER 8" WM	18.12"	WM	22.49"	STORM
C-20B	8" FM OVER 8" WM	39.24"	WM	24.34"	FM
C-20C	8" FM OVER 30" STORM	54.48"	STORM	23.54"	FM
C-21	8" FM OVER 24" STORM	24.60"	STORM	23.51"	FM
C-22	6" FM OVER 18" STORM	18.24"	STORM	23.69"	FM
C-23	12" WM OVER 18" STORM	18.00"	STORM	23.76"	WM
C-24	8" FM OVER 72" STORM	38.40"	STORM	23.78"	FM
C-24A	24" STORM OVER 72" STORM	19.92"	STORM	22.24"	STORM
C-25	12" WM OVER 72" STORM	36.72"	STORM	23.64"	WM



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PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

STEFAN K. MATTHEWS, P.E.  
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- REVISIONS -

NO.	DESCRIPTION	BY	DATE

DESIGNED	BY	DATE

DRAWN	DRP

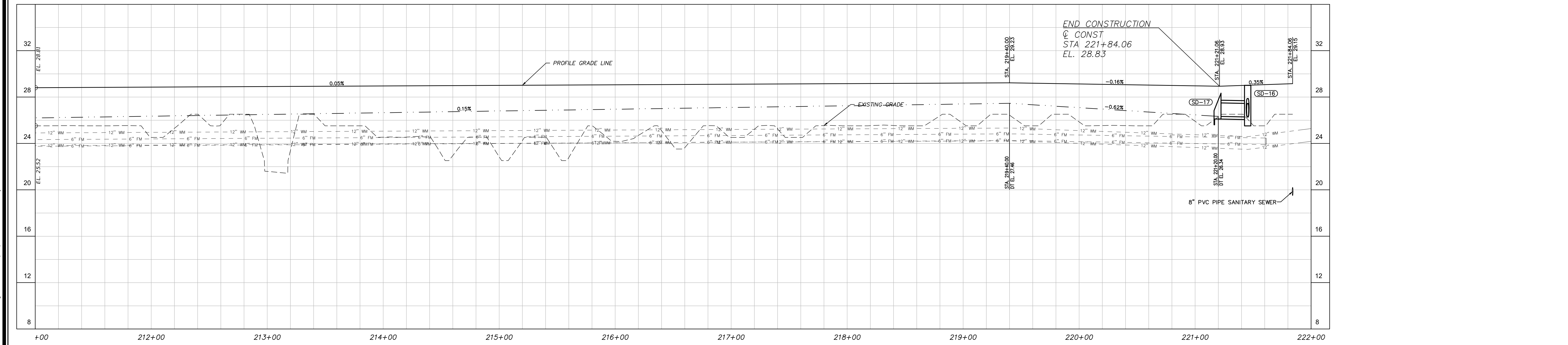
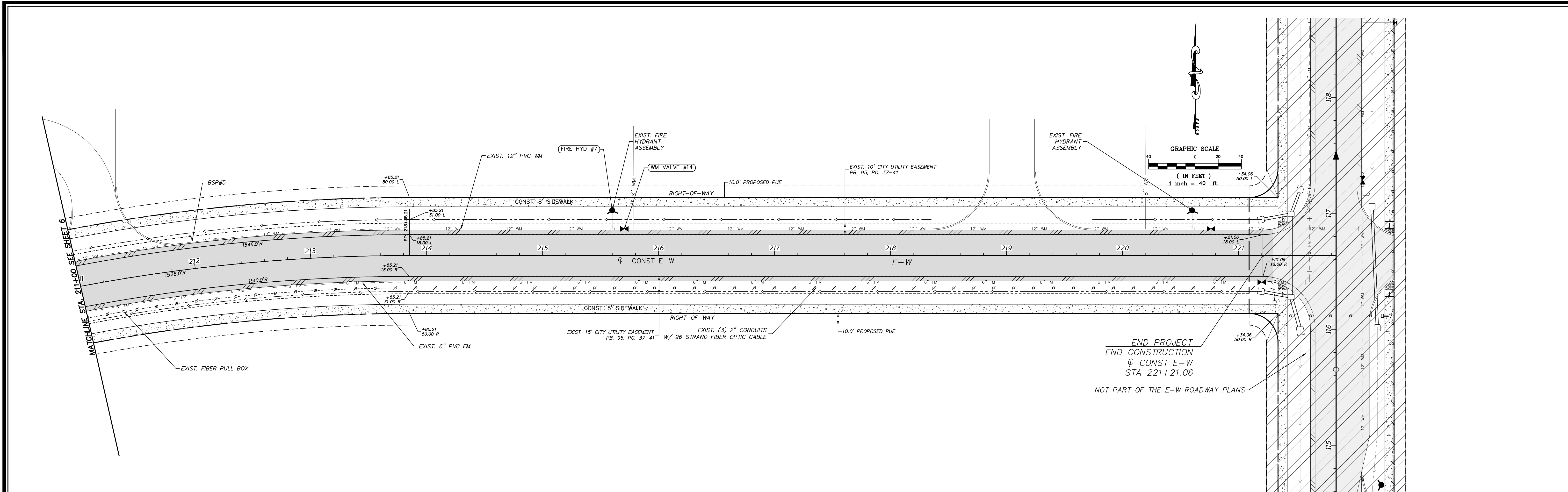
Detailed	SKM

Checked	SKM

Approved	

**LEGACY PARK - E-W ROADWAY**  
**E-W ROADWAY PLAN & PROFILE**

DATE: 12/09/2021  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 4'  
JOB No. 20-127  
SHEET 6 of 14



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PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256  
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.

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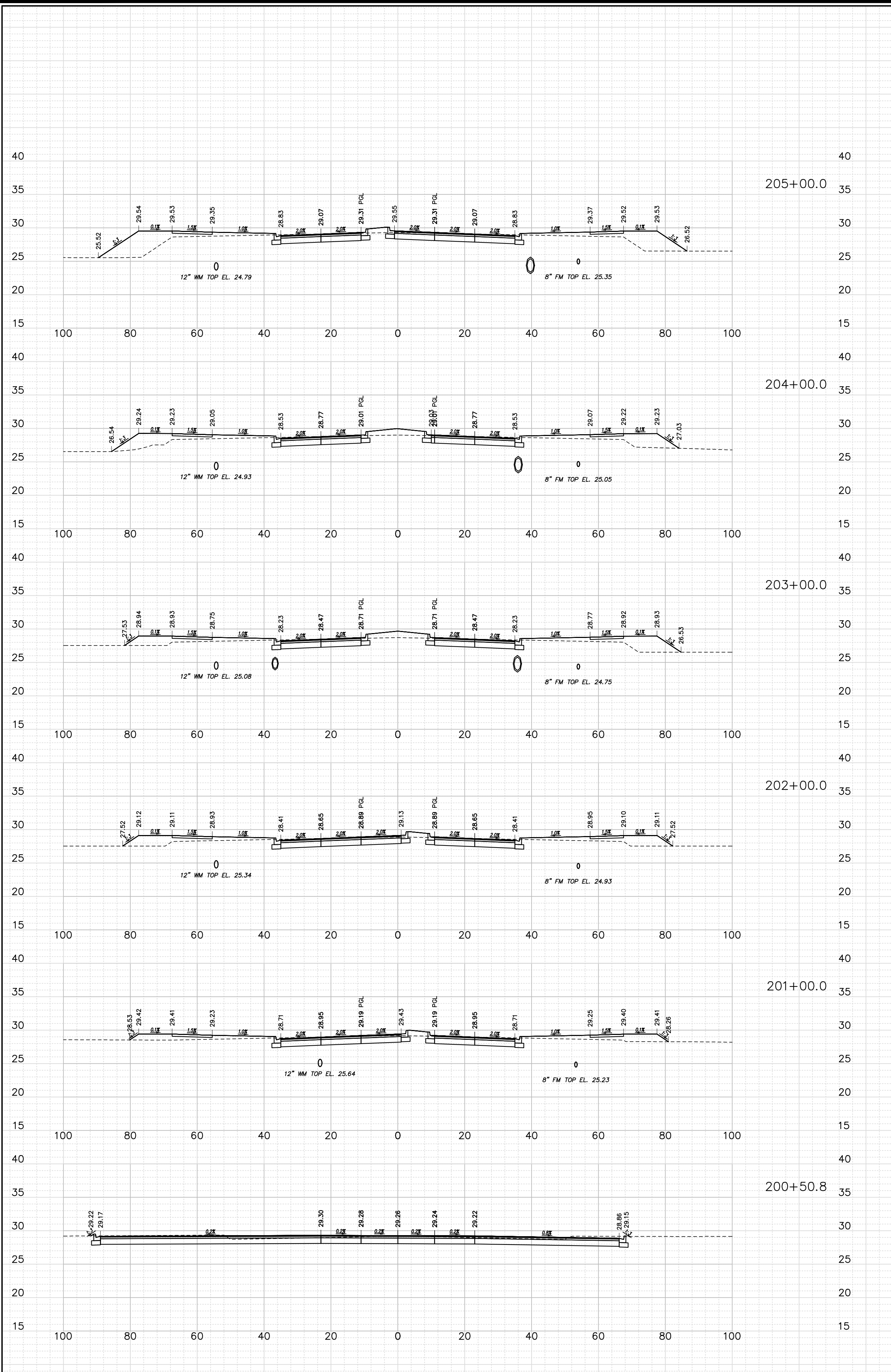
- REVISIONS -		BY	DATE

DESIGNED	BY	DATE

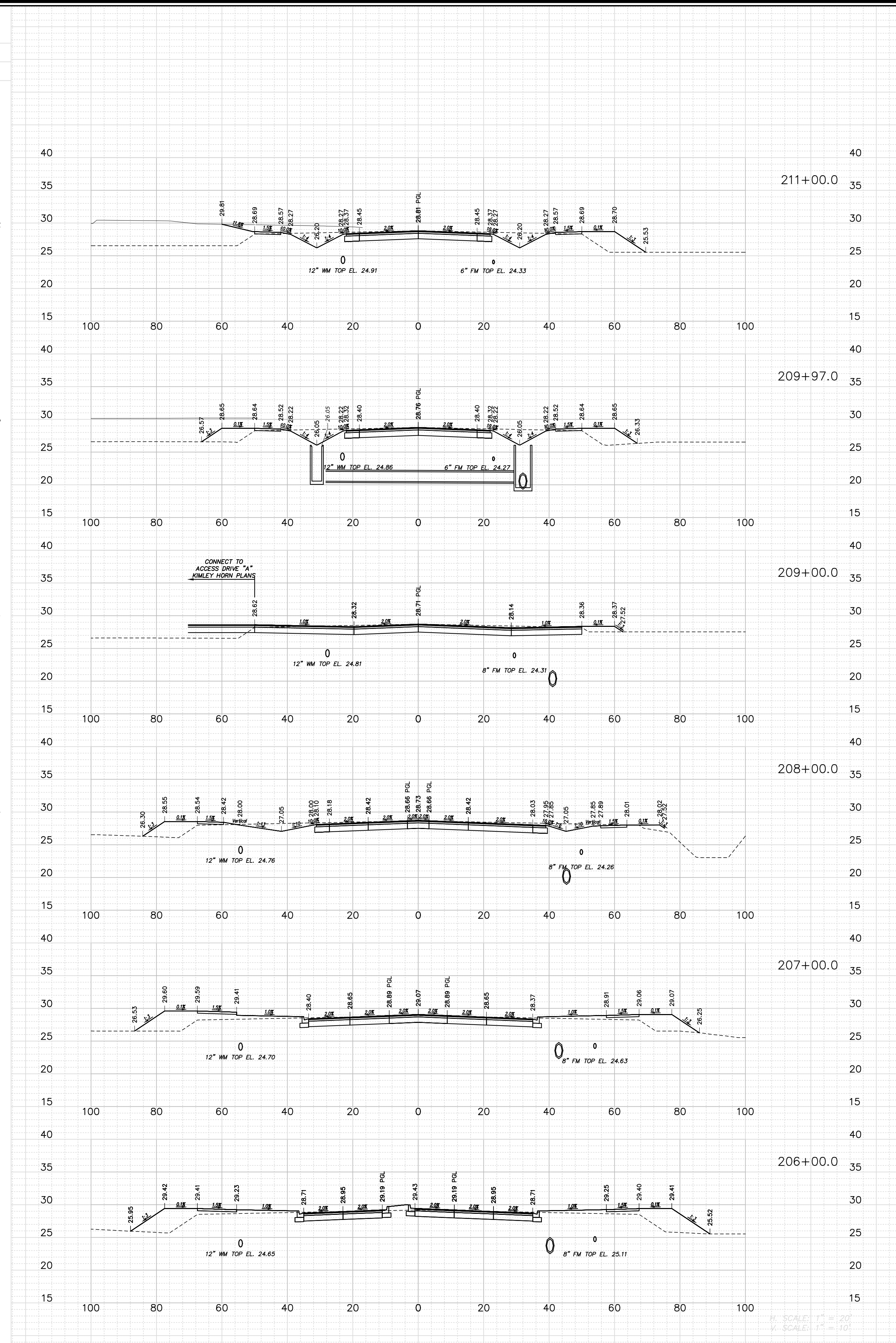
**LEGACY PARK - E-W ROADWAY**  
**E-W ROADWAY PLAN & PROFILE**

DATE: 12/09/2021  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 4'  
JOB No. 20-127  
SHEET 7 of 14

P:\Proj-2020\20-127 Arco Murray\Eng\20-127 CROSS SECTIONS.dwg Plotted: 12/9/2021 5:49 PM By: DONNIE PINKERTON



REGULAR EXC.		EMBK.	
A (SF)	V (CY)	A (SF)	V (CY)
83.71	289.79	115.10	379.65
72.75	267.52	90.66	325.78
71.70	287.76	84.68	281.33
83.71	309.98	66.55	219.87
83.71	233.18	52.04	47.42
172.25		0.00	



REGULAR EXC.		EMBK.	
A (SF)	V (CY)	A (SF)	V (CY)
101.34	386.91	42.51	175.83
101.43	414.73	50.92	108.78
129.55	470.29	10.10	81.66
124.53	400.56	33.63	251.68
91.77	325.04	102.28	415.12
83.71	310.11	122.33	438.40

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

PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256  
STEFAN K. MATTHEWS, P.E.  
FL. REG. NO. 38723



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- REVISIONS -		
NO.	BY	DATE

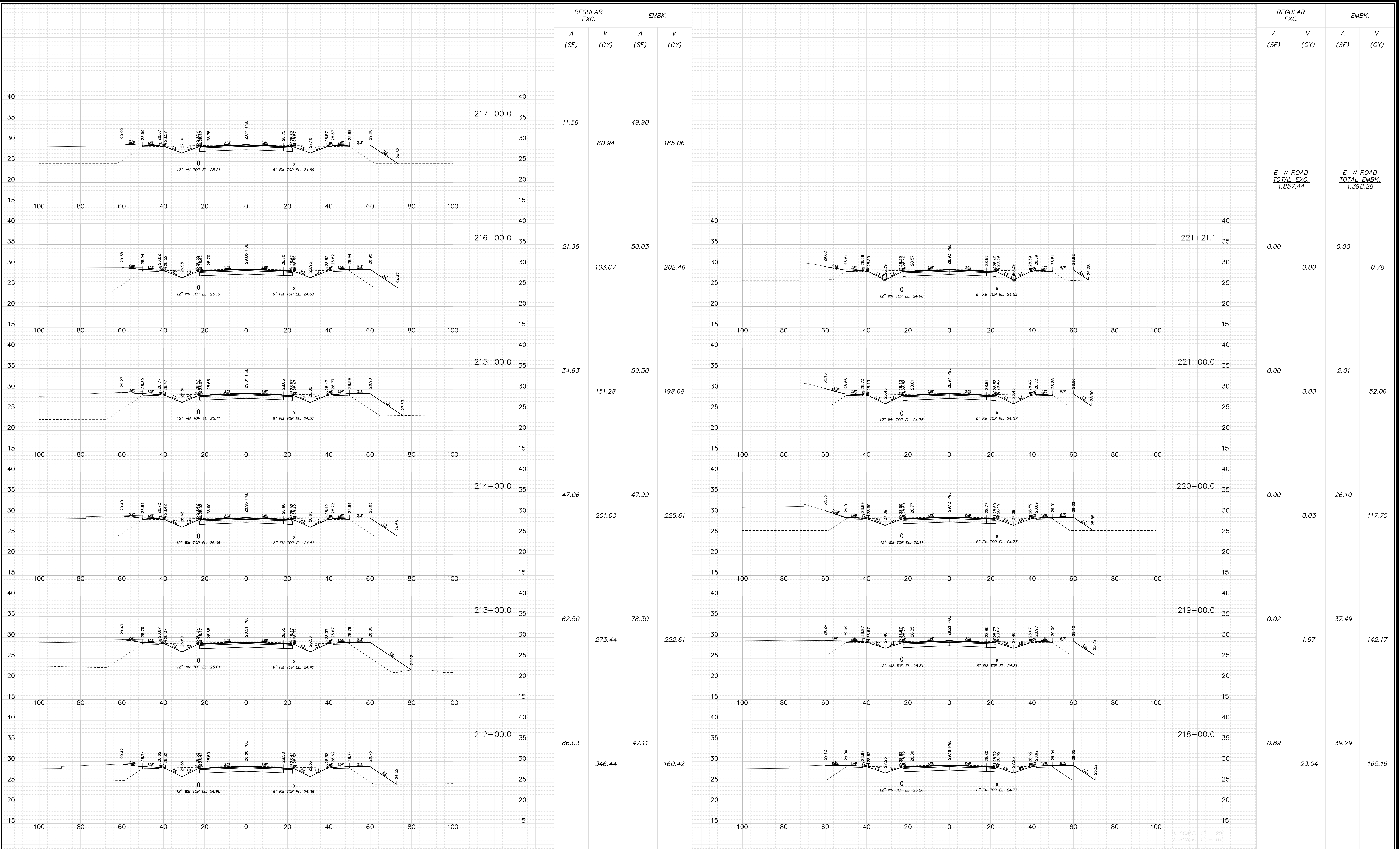
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CALCS.		
DRAWN	DRP	
DETAILED		
CHECKED	SKM	
APPROVED		

**LEGACY PARK - E-W ROADWAY**  
**E-W ROADWAY CROSS SECTIONS**

DATE: 12/09/2021  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: 1"=10'  
JOB No. 20-127  
SHEET 8 of 14



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PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256  
STEFAN K. MATTHEWS, P.E.  
FL. REG. NO. 38723



NOTES:  
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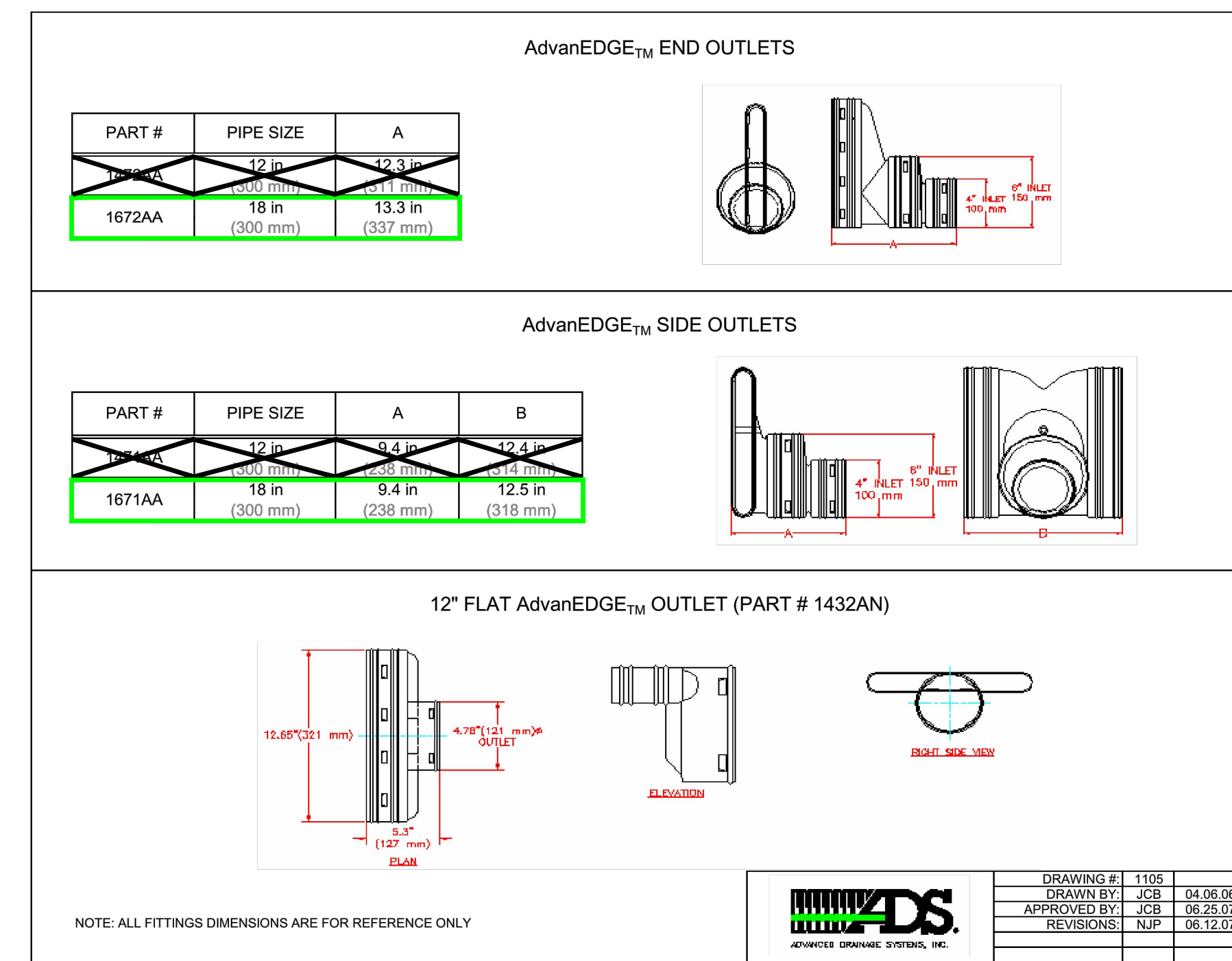
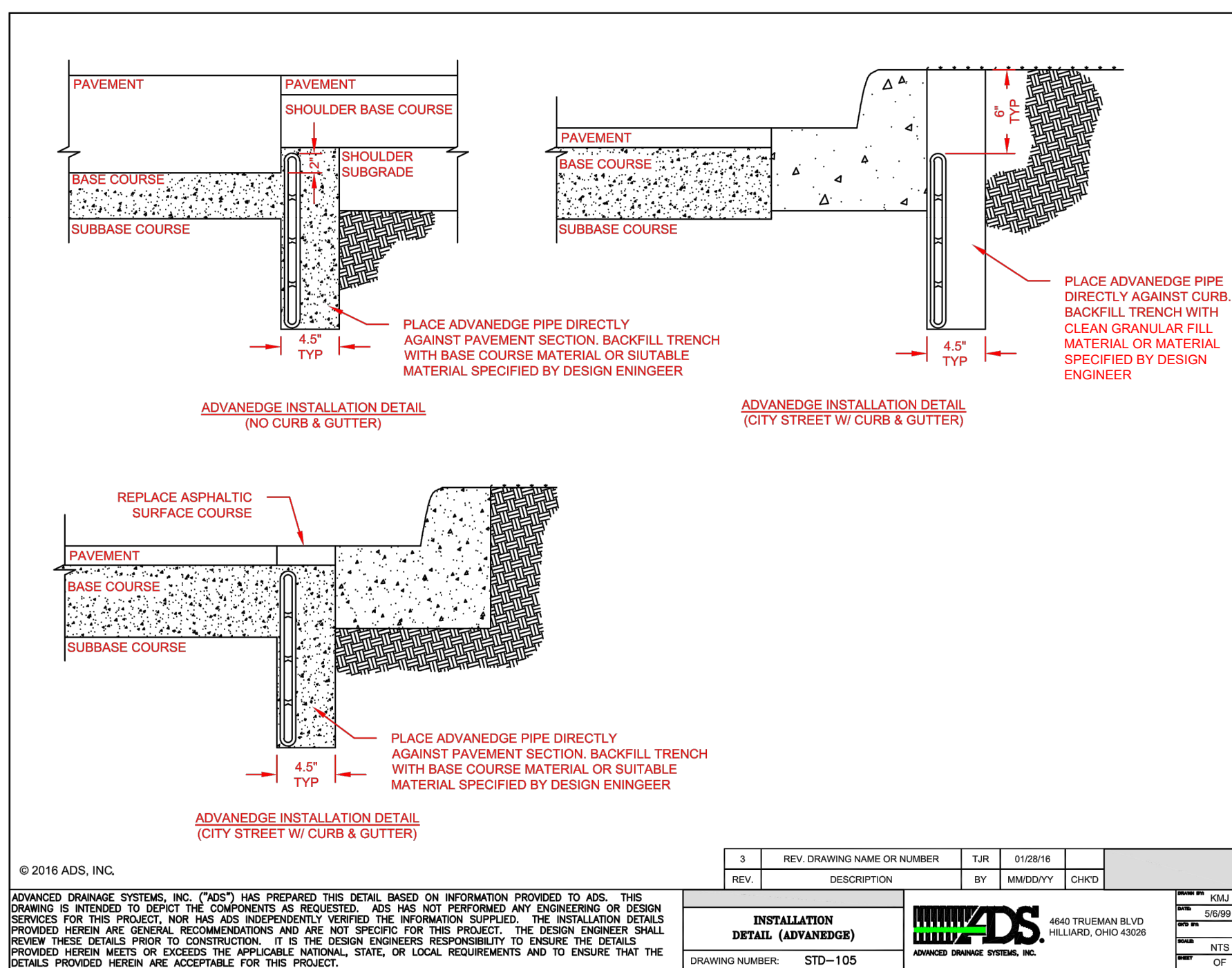
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- REVISIONS -		
NO.	BY	DATE

DESIGNED	BY	DATE
CALCS.		
DRAWN	DRP	
DETAILED		
CHECKED	SKM	
APPROVED		

**LEGACY PARK - E-W ROADWAY**  
**E-W ROADWAY CROSS SECTIONS**



**BLIND TEE**

PART #	PIPE SIZE	A	B	C	D
0341AA	3 in (75 mm)	10.0 in (254 mm)	4.0 in (102 mm)	4.3 in (108 mm)	5.8 in (146 mm)
0441AA	4 in (100 mm)	12.0 in (305 mm)	5.1 in (130 mm)	4.0 in (102 mm)	7.5 in (191 mm)
0541AA	5 in (125 mm)	12.5 in (318 mm)	6.3 in (159 mm)	5.9 in (149 mm)	6.8 in (171 mm)
0641AA	6 in (150 mm)	14.0 in (356 mm)	7.4 in (187 mm)	6.3 in (159 mm)	7.8 in (197 mm)
0841AA	8 in (200 mm)	20.3 in (514 mm)	9.9 in (251 mm)	10.5 in (267 mm)	10.8 in (273 mm)
1041AA	10 in (250 mm)	21.5 in (546 mm)	12.3 in (311 mm)	12.3 in (311 mm)	10.8 in (273 mm)

**SNAP TEE**

PART #	PIPE SIZE	A	B	C	D
0321AA	3 in (75 mm)	8.3 in (210 mm)	4.0 in (102 mm)	4.3 in (108 mm)	4.5 in (114 mm)
0421AA	4 in (100 mm)	9.5 in (241 mm)	5.1 in (130 mm)	4.0 in (102 mm)	5.5 in (140 mm)
0525AA	5 in (125 mm)	10.9 in (276 mm)	6.3 in (159 mm)	5.9 in (149 mm)	5.6 in (143 mm)
0626AA	6 in (150 mm)	12.5 in (318 mm)	7.4 in (187 mm)	6.3 in (159 mm)	7.8 in (197 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL.

ADVANCED DRAINAGE SYSTEMS, INC. DRAWING # 1025, DRAWN BY: CRM, 08.11.06, APPROVED BY: JCB, 06.25.07, REVISIONS: NJP, 06.12.07

**DUAL WALL FABRICATED 45° BENDS**  
4" - 30" DIAMETER

PART #	PIPE SIZE	A	JOINT
0494AN	4 in (100 mm)	4.2 in (107 mm)	*
0694AN	6 in (150 mm)	5.0 in (126 mm)	*
0894AN	8 in (200 mm)	6.7 in (170 mm)	*
1094AN	10 in (250 mm)	7.5 in (189 mm)	WT
1297AN	12 in (300 mm)	11.5 in (293 mm)	*
1297AN65BB	12 in (300 mm)	5.8 in (146 mm)	WT
1597AN	15 in (375 mm)	13.0 in (329 mm)	*
1597AN65BB	15 in (375 mm)	7.8 in (197 mm)	WT
1897AN	18 in (450 mm)	17.4 in (443 mm)	*
1897AN65BB	18 in (450 mm)	6.7 in (170 mm)	WT
2497AN	24 in (600 mm)	22.1 in (560 mm)	*
2497AN65BB	24 in (600 mm)	9.5 in (240 mm)	WT
3097AN	30 in (750 mm)	25.8 in (656 mm)	*
3097AN65BB	30 in (750 mm)	13.5 in (342 mm)	WT

PLAIN END

ST & WT (INCLUDES 2 GASKETS)

\* = PLAIN END  
WT = WATER TIGHT  
\*\* LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY.

ADVANCED DRAINAGE SYSTEMS, INC. DRAWING # 2212, DRAWN BY: JCB, 04.06.06, APPROVED BY: JCB, 06.25.07, REVISIONS: TJR, 1/29/2010

**SMALL DIAMETER DUAL WALL FABRICATED BENDS**  
4" - 10" DIAMETER

**90° BENDS**

PART #	PIPE SIZE	A	JOINT
0499AN	4 in (100 mm)	4.5 in (114 mm)	*
0699AN	6 in (150 mm)	5.4 in (137 mm)	*
0899AN	8 in (200 mm)	7.6 in (194 mm)	*
1099AN	10 in (250 mm)	7.8 in (197 mm)	*

\* = PLAIN END  
\*\* LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY.

ADVANCED DRAINAGE SYSTEMS, INC. DRAWING # 2217, DRAWN BY: JCB, 05.09.07, APPROVED BY: JCB, 06.25.07, REVISIONS: TJR, 2/10/2010

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PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

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



NOTES:  
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COMPUTER FILE REF.	FIELD BK./PG.

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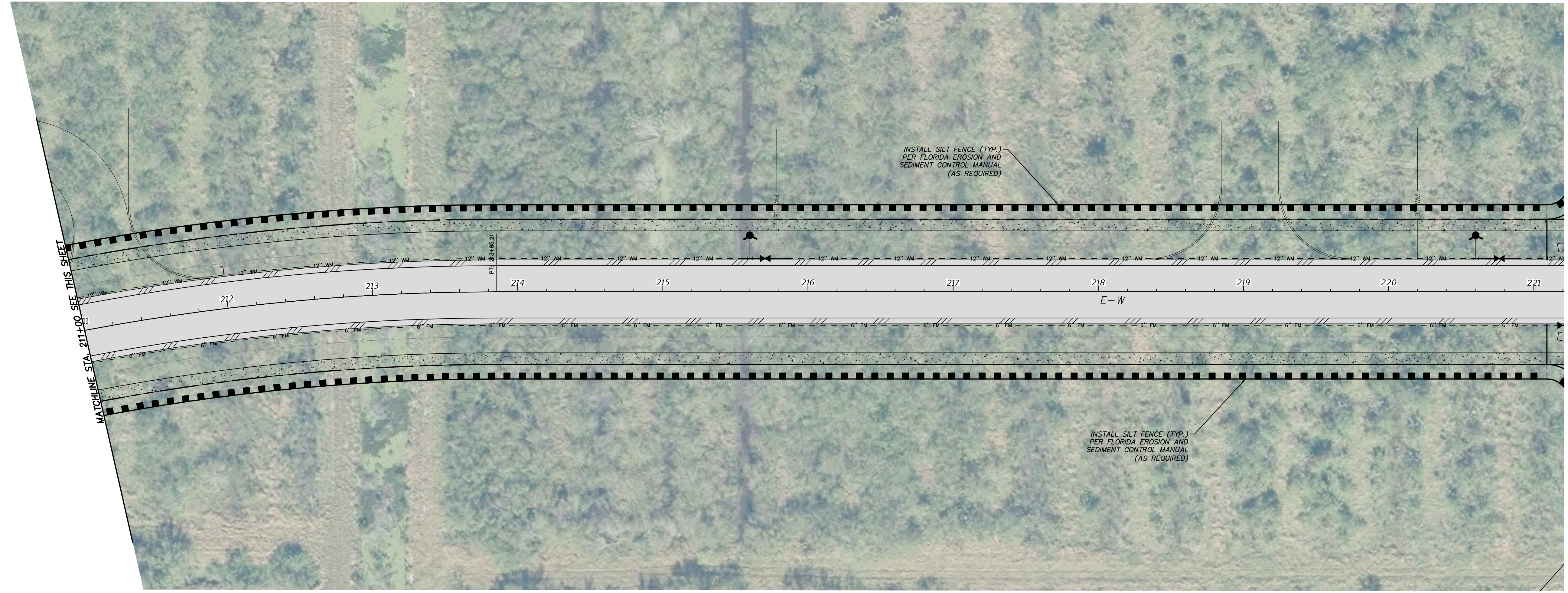
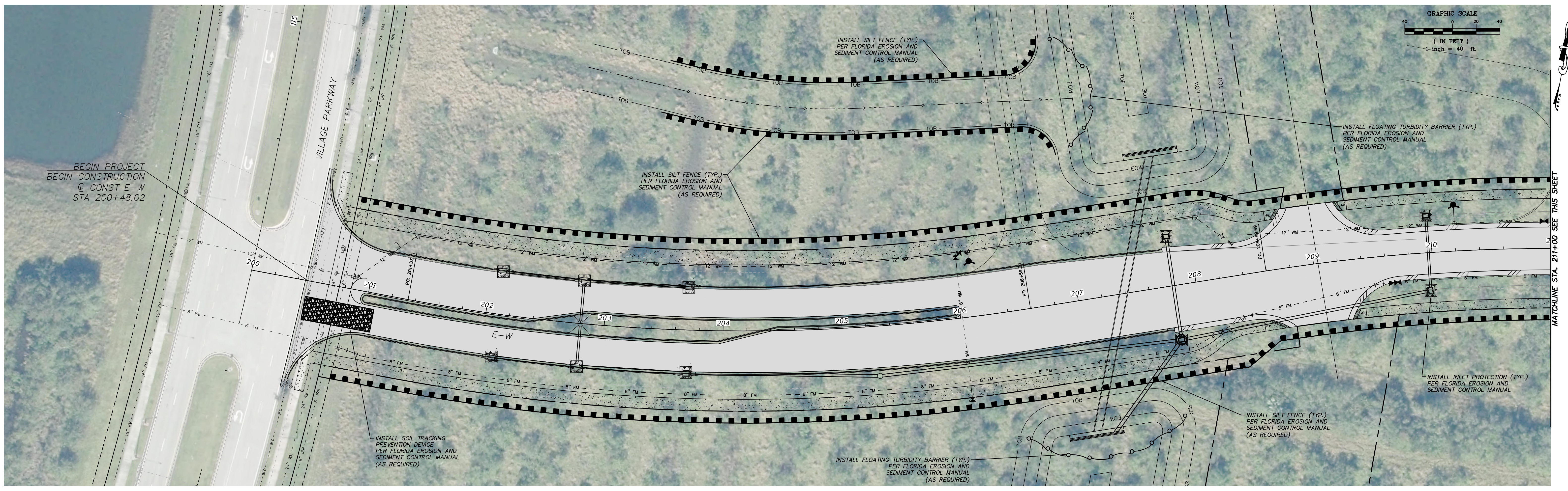
BY	DATE

DESIGNED	BY	DATE

**LEGACY PARK - E-W ROADWAY**

**DRAINAGE DETAILS**

DATE: 12/09/2021  
HORIZ. SCALE: SCALE  
VERT. SCALE: SCALE  
JOB No. 20-127  
SHEET 10 of 14



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

PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

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

P:\Proj-2020\20-127 Arco Murray\Eng\20-127 EROSION.dwg Plotted: 12/9/2021 5:50 PM By: DONNIE PINKERTON



**NOTES:**  
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- REVISIONS -		BY	DATE

DESIGNED	BY	DATE

**LEGACY PARK - E-W ROADWAY**  
**EROSION AND SEDIMENT CONTROL PLANS**

DATE: 12/09/2021  
HORIZ. SCALE: 1"=40'  
VERT. SCALE: N/A  
JOB No. 20-127  
SHEET 11 of 14

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 EAST-WEST ROADWAY FROM VILLAGE PARKWAY EAST TO ANTHONY F. SANSONE SR. BLVD.

THE PROJECT ALSO INVOLVES DRAINAGE IMPROVEMENTS AND UTILITY EXPANSION.

THE LIMITS OF THE PROJECT INCLUDE:

2.073+ LF OF ROADWAY, DRAINAGE AND UTILITIES FROM VILLAGE PARKWAY EAST TO ANTHONY F. SANSONE SR. BLVD.

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: 6.4 ± AC
TOTAL AREA TO BE DISTURBED: 6.4 ± 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 PROPOSED DUDA LAKE.

SURFACE WATERS: PROPOSED DUDA LAKE AND EXISTING DUDA CANAL.

DISCHARGE POINTS TO SURFACE WATERS:

THE DISCHARGE POINT IS THE DUDA CANAL.

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 SFWMD 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.

Table with 4 columns: Name, Title, Company Name, Address and Phone Number, Date.

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

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

- COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

- REMOVING EXCESS DIRT FROM ROADS DAILY.

- STABILIZED CONSTRUCTION ENTRANCES ACCORDING TO FLORIDA EROSION & SEDIMENT CONTROL MANUAL.

- USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

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

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

2.C.4 FERTILIZERS AND PESTICIDES:

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

2.C.5 TOXIC SUBSTANCES:

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

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

-THE PROJECT IS CURRENTLY UNDER REVIEW.

3.0 MAINTENANCE:

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

- SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS OR AS 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.

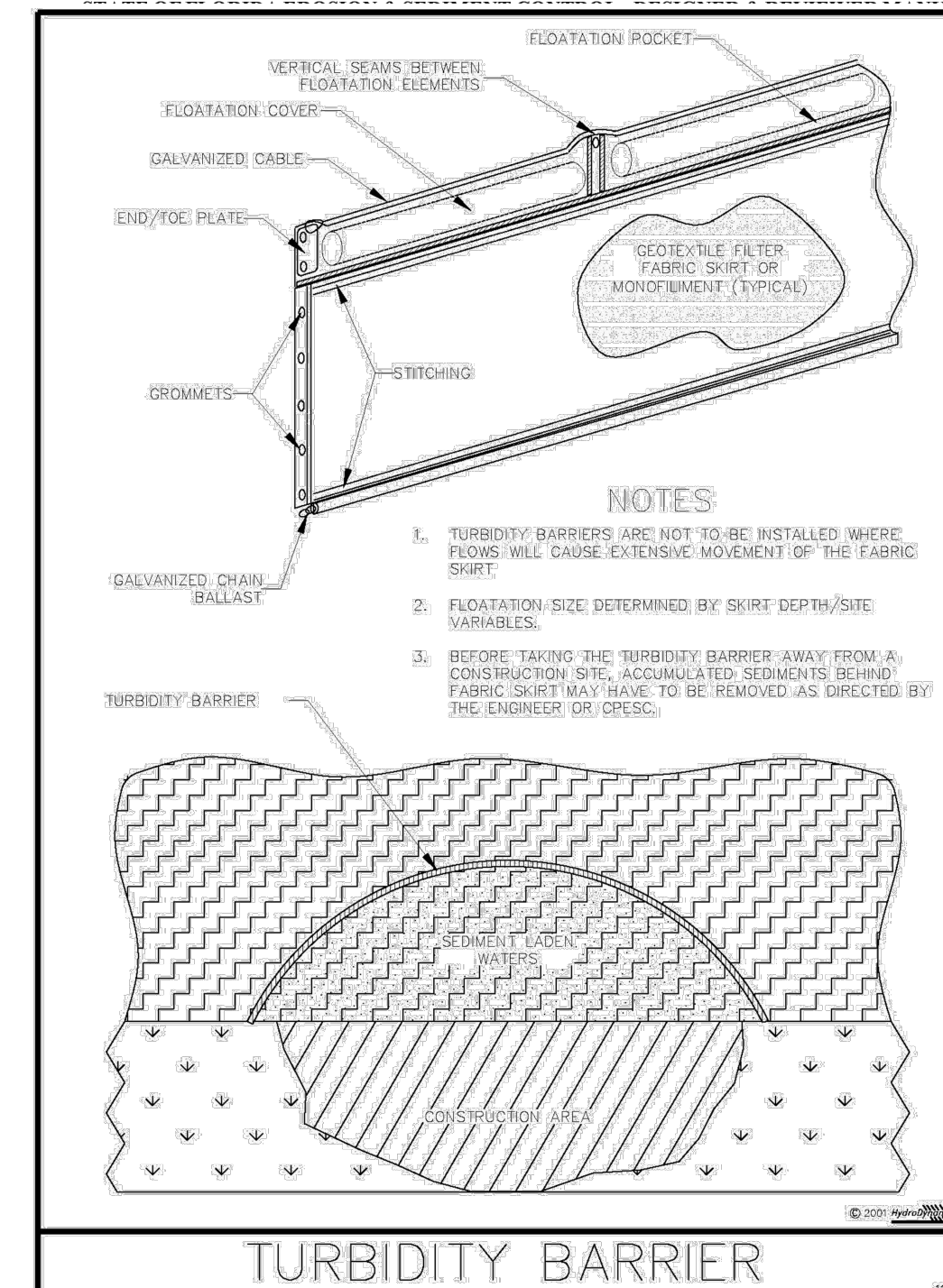


Figure V-44: Illustration of a Turbidity Barrier Curtain

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V-15

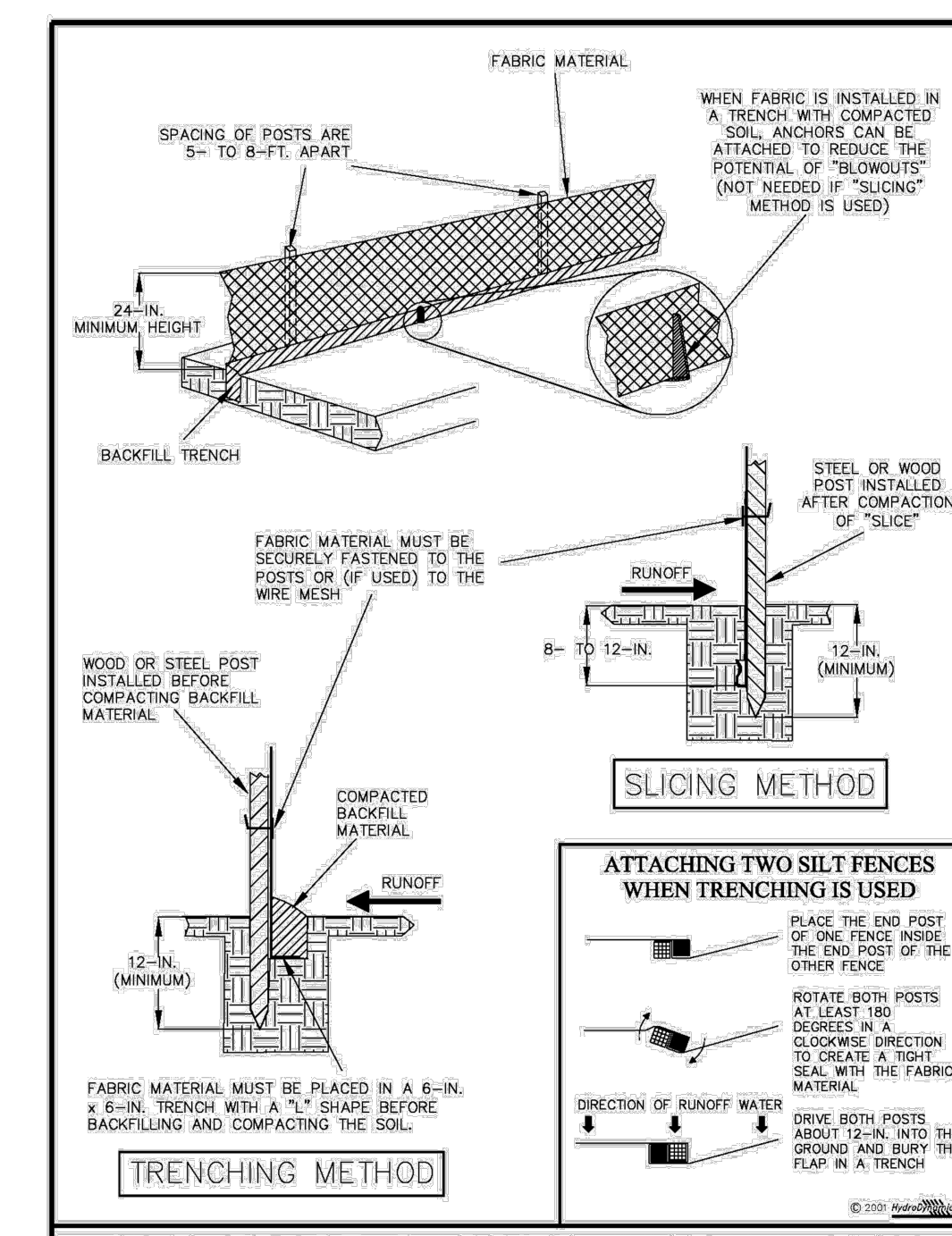


Figure V-40: Illustration of a Silt Fence Barrier

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V-7

CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

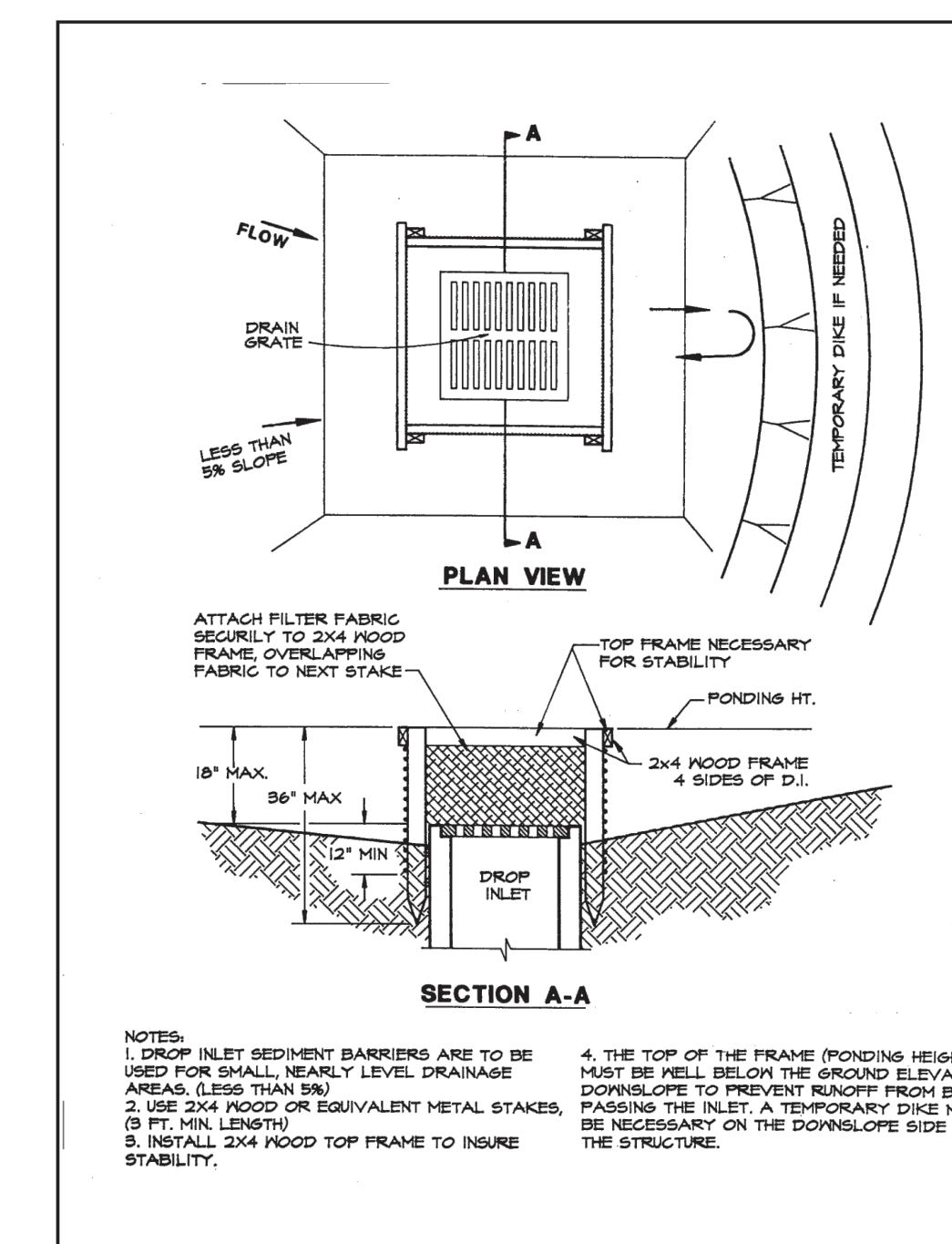


Figure 4.5a. Silt Fence Drop Inlet Sediment Barrier

Source: Erosion Draw

77

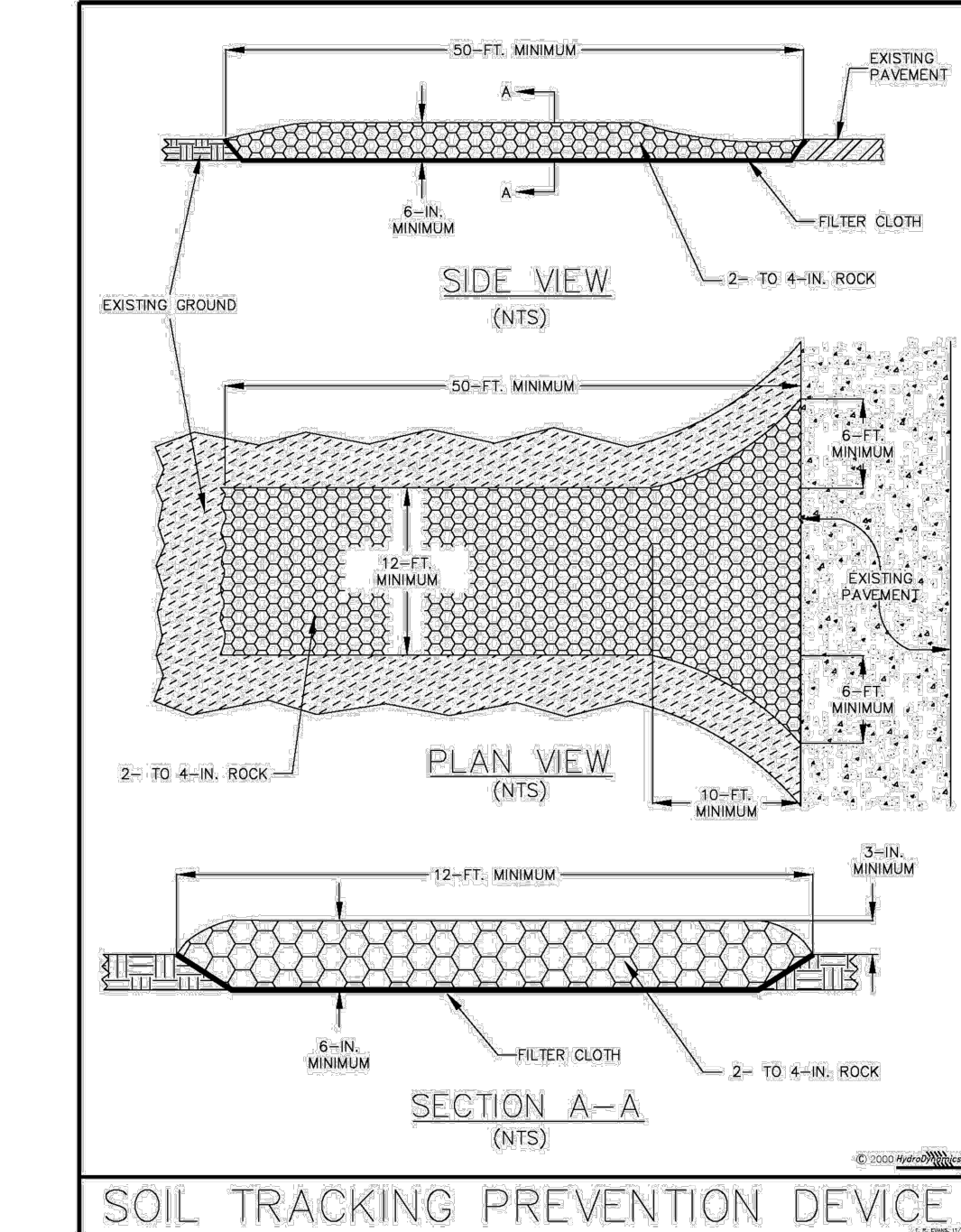
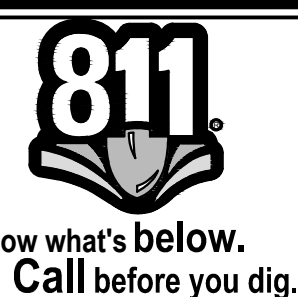


Figure V-52: Illustration of a Soil Tracking Prevention Device

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V-31



NOTES:
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REVISIONS table with columns: REVISIONS, BY, DATE.

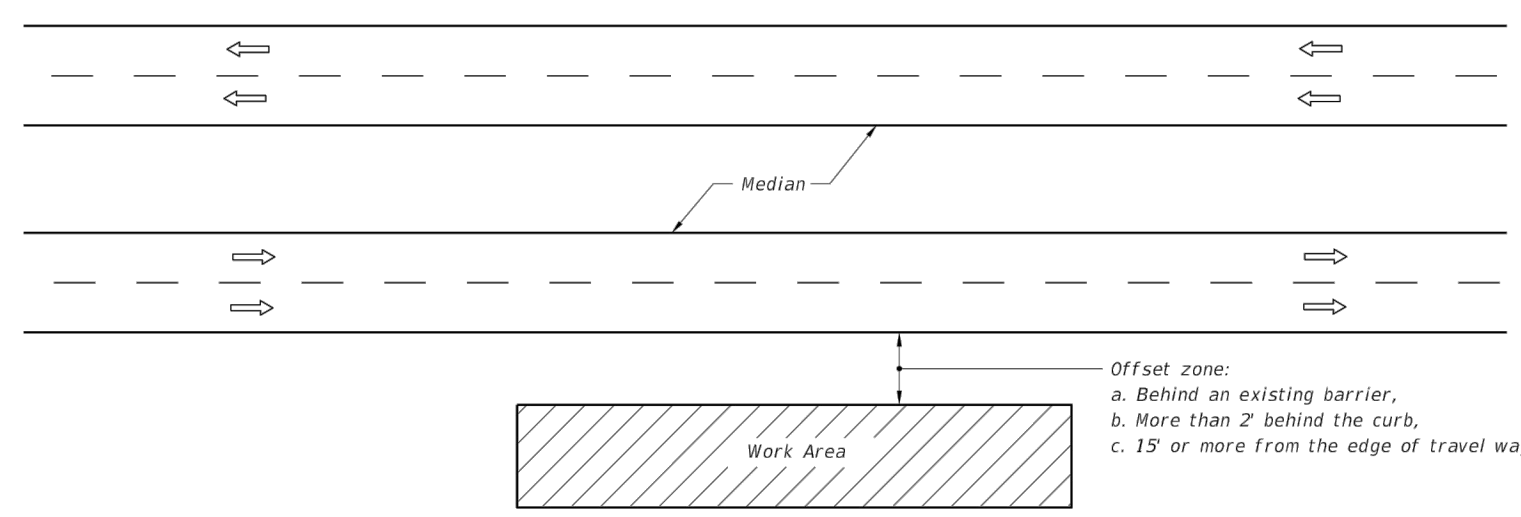
Table with columns: DESIGNED, BY, DATE, CALCS., DRAWN, DETAILED, CHECKED, APPROVED.

LEGACY PARK - E-W ROADWAY
EROSION AND SEDIMENT CONTROL PLANS

Table with columns: DATE, HORIZ. SCALE, VERT. SCALE, JOB No., SHEET.

PSLUSD PROJECT NO. 5360-5
CITY OF PSL PROJECT NO. P21-256

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



**GENERAL NOTES**

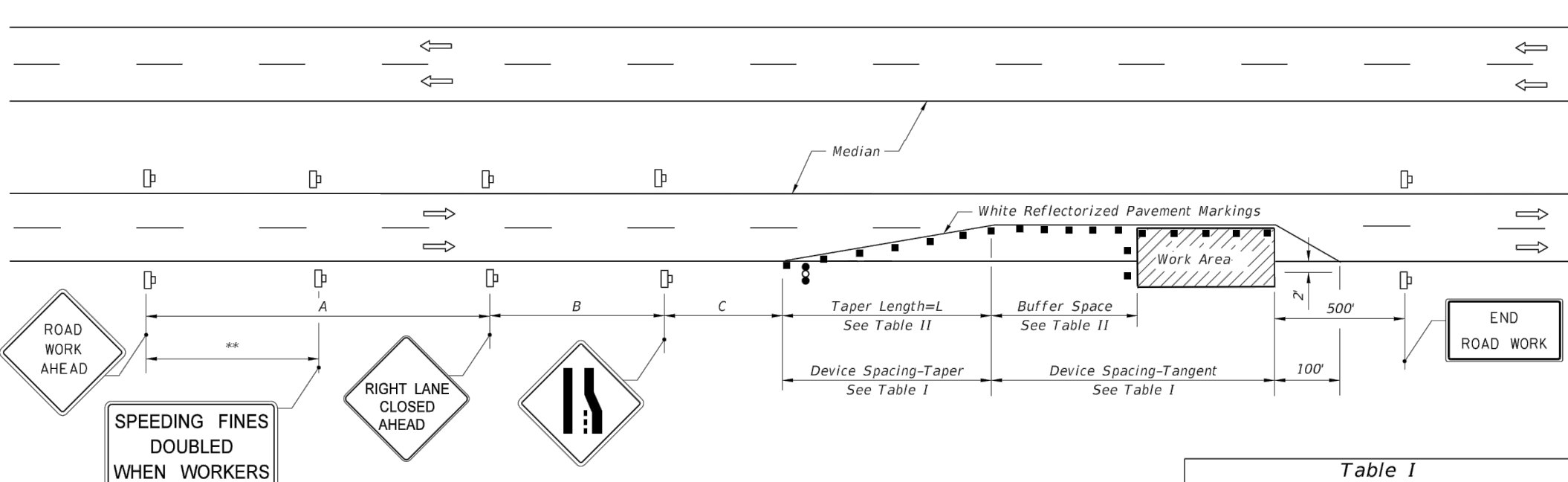
- If the work operation (excluding establishing and terminating the work area), requires that two or more work vehicles cross the offset zone in any one hour, traffic control will be in accordance with Index 102-612.
- No special signing is required.
- This index also applies when work is being performed on a multilane undivided highway.
- This index also applies to work performed in the median behind an existing barrier or more than 15' from the edge of travel way, both roadways. Work performed in the median behind curb and gutter shall be in accordance with Index 102-612.
- When a side road intersects the highway within the work area, additional traffic control devices shall be placed in accordance with other applicable TCZ Indexes.
- When construction activities encroach on a sidewalk, refer to Index 102-660.
- For general TCZ requirements and additional information, refer to Index 102-600.

- SYMBOLS**
- Work Area
  - Channelizing Device + Direction of Traffic

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUSH ON AN EXISTING BARRIER, MORE THAN 2' BEHIND THE CURB, OR 15' OR MORE FROM THE EDGE OF TRAVEL WAY.

LAST REVISION 11/01/17	DESCRIPTION:	FY 2020-21 STANDARD PLANS	MULTILANE, WORK OUTSIDE SHOULDER	INDEX 102-611	SHEET 1 of 1
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**Table II Buffer Space and Taper Length**

Speed (mph)	Buffer Space		Taper Length (12' Lateral Transition)		Notes (Merge)
	Dist. (ft.)	L (ft.)	L	Notes	
25	155	125			L = WS* 60
30	200	180			
35	250	245			L = WS
40	305	320			
45	360	400			
50	425	500			
55	495	600			
60	570	720			
65	645	840			
70	730	960			

**Table I Device Spacing**

Speed (mph)	Max. Distance Between Devices (ft.)			
	Type I or Type II Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

**GENERAL NOTES**

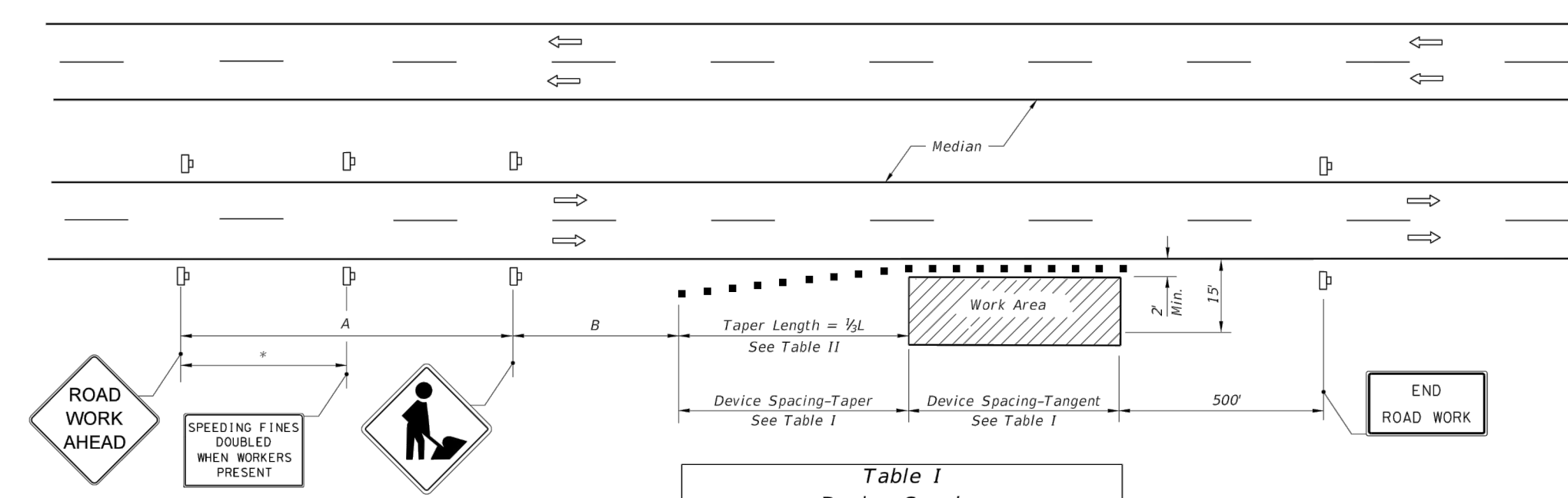
- Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
- On undivided highways the median signs as shown are to be omitted.
- When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left lane closed and lane ends signs substituted for the right lane closed and lane end signs.
- The same applies to undivided highways with the following exceptions:
  - Work shall be confined within one median lane.
  - Additional barricades, cones, or drums shall be placed along the centerline abutting the work area and across the trailing end of the work area.
- When work on undivided highways occurs across the centerline so as to encroach on both median lanes, the inverted plan is applied to the approach of both roadways.
- Signs and traffic control devices are to be modified in accordance with INTERMITTENT WORK STOPPAGE details (sheet 2 of 2) when no work is being performed and the highway is open to traffic.
- The two channelizing devices directly in front of the work area may be omitted providing vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
- When paved shoulders having a width of 8 ft. or more are closed, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the travel way. See Index 102-612 for shoulder taper formulas.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- This TCZ plan does not apply when work is being performed in the middle lane(s) of a six or more lane highway. See Index 102-614.
- For general TCZ requirements and additional information, refer to Index 102-600.

- SYMBOLS**
- Work Area
  - Channelizing Device (See Index 102-600)
  - Work Zone Sign
  - Advance Warning Arrow Board

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUSH ON THE LANE ADJACENT TO EITHER SHOULDER AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY.

LAST REVISION 11/01/17	DESCRIPTION:	FY 2020-21 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 1 of 2
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**Table I Device Spacing**

Speed (mph)	Max. Distance Between Devices (ft.)			
	Type I or Type II Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

**Table II Taper Length - Shoulder**

Speed (mph)	1/4 (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS* 60
30	40	50	60	
35	55	68	82	L = WS
40	72	90	107	
45	120	150	180	
50	132	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

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

**GENERAL NOTES**

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an M07-S-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index 102-600.

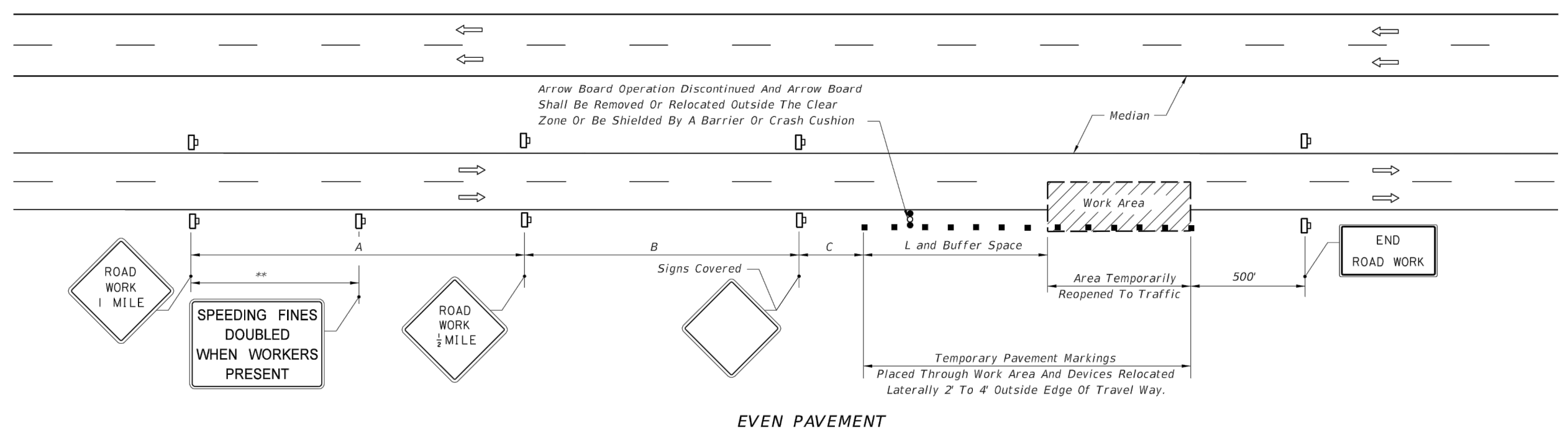
**DURATION NOTES**

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

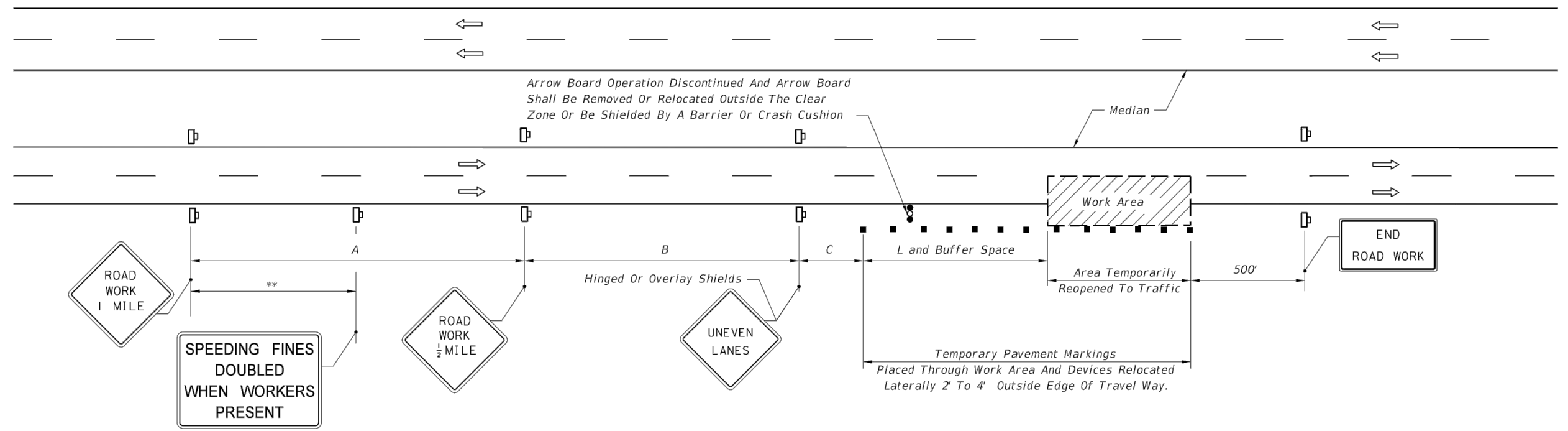
**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUSH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

LAST REVISION 11/01/17	DESCRIPTION:	FY 2020-21 STANDARD PLANS	MULTILANE, WORK ON SHOULDER	INDEX 102-612	SHEET 1 of 1
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**EVEN PAVEMENT**



**UNEVEN PAVEMENT**

**INTERMITTENT WORK STOPPAGE - LANE REOPENED TO TRAFFIC**

LAST REVISION 11/01/17	DESCRIPTION:	FY 2020-21 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 2 of 2
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PSLUSD PROJECT NO. 5360-5  
CITY OF PSL PROJECT NO. P21-256

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**- REVISIONS -**

NO.	BY	DATE

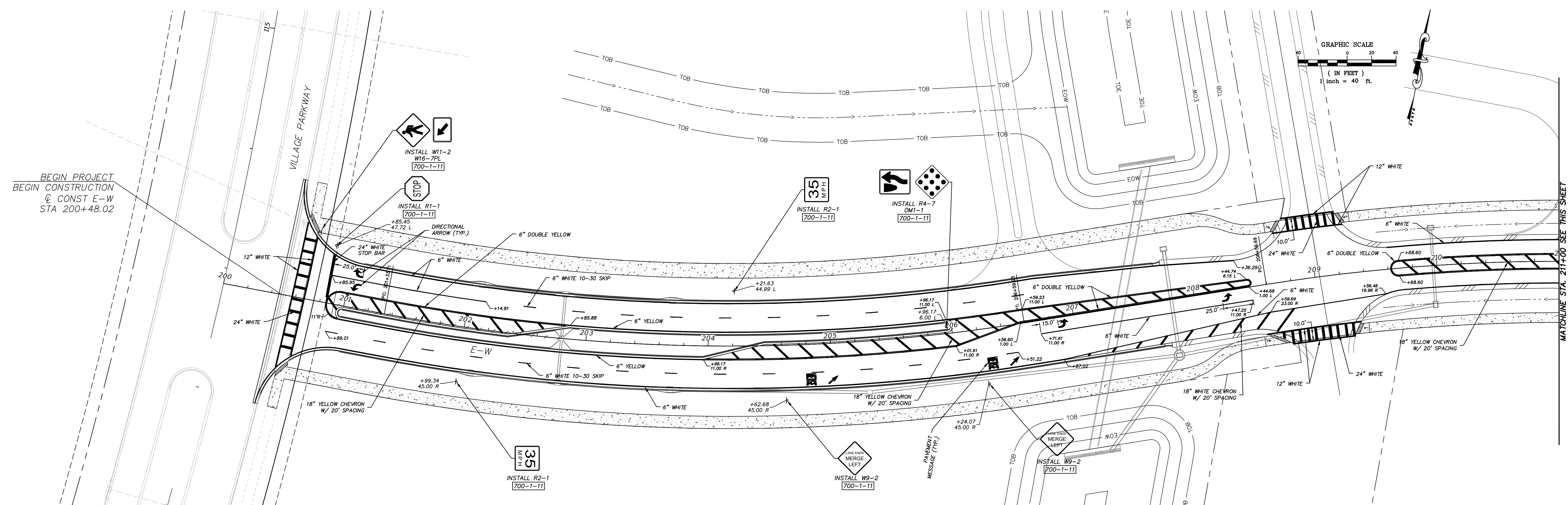
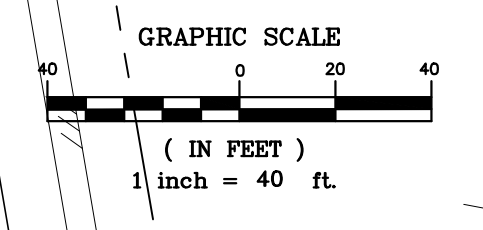
DESIGNED	BY	DATE
CALCS.		
DRAWN	DRP	
DETAILED		
CHECKED	SKM	
APPROVED		

**LEGACY PARK - E-W ROADWAY**

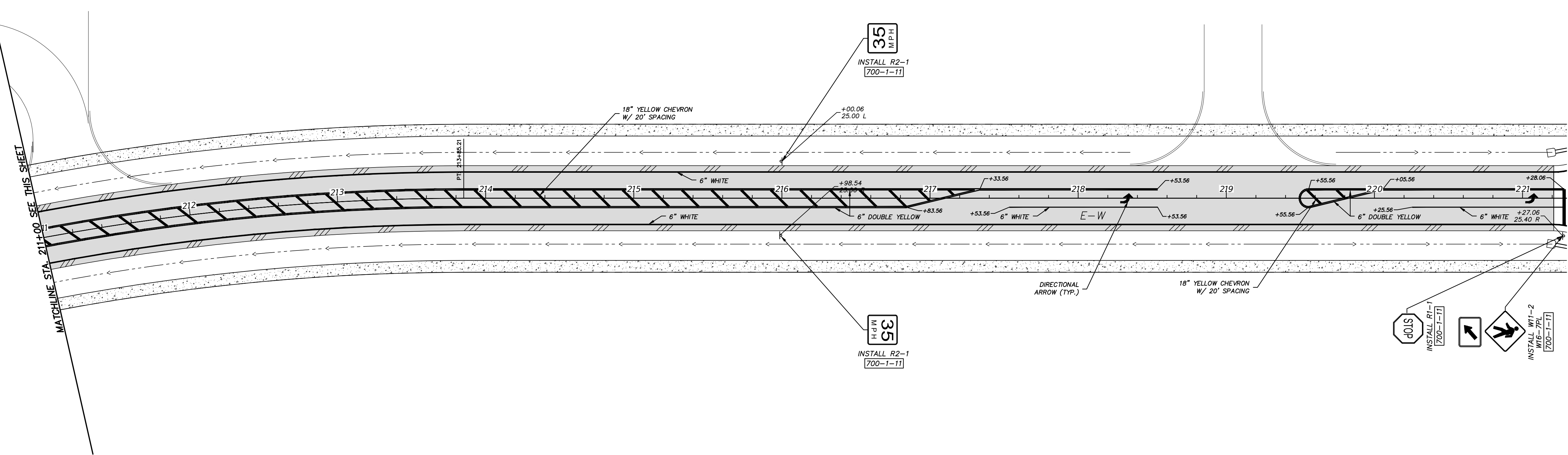
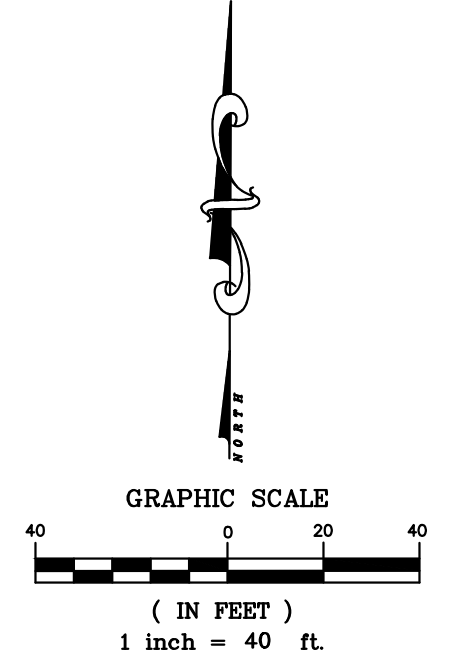
**TRAFFIC CONTROL DETAILS**

DATE: 12/09/2021
HORIZ. SCALE: SCALE
VERT. SCALE: SCALE
JOB No. 20-127
SHEET 13 of 14

BEGIN PROJECT  
 BEGIN CONSTRUCTION  
 @ CONST E-W  
 STA 200+48.02



MATCHLINE STA. 211+00 SEE THIS SHEET



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PSLUSD PROJECT NO. 5360-5  
 CITY OF PSL PROJECT NO. P21-256

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- REVISIONS -		BY	DATE

DESIGNED	BY	DATE

**LEGACY PARK - E-W ROADWAY**  
**E-W ROADWAY**  
**SIGNING AND PAVEMENT MARKING PLAN**

DATE: 12/09/2021  
 HORIZ. SCALE: 1"=40'  
 VERT. SCALE: N/A  
 JOB No. 20-127  
 SHEET 14 of 14

P:\Proj-2020\20-127 Arco Murray\Eng\20-127 SIGNING.dwg Plotted: 12/9/2021 6:09 PM By: DONNIE PINKERTON