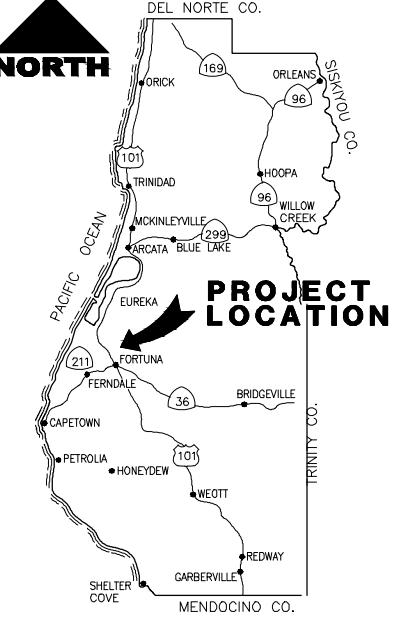
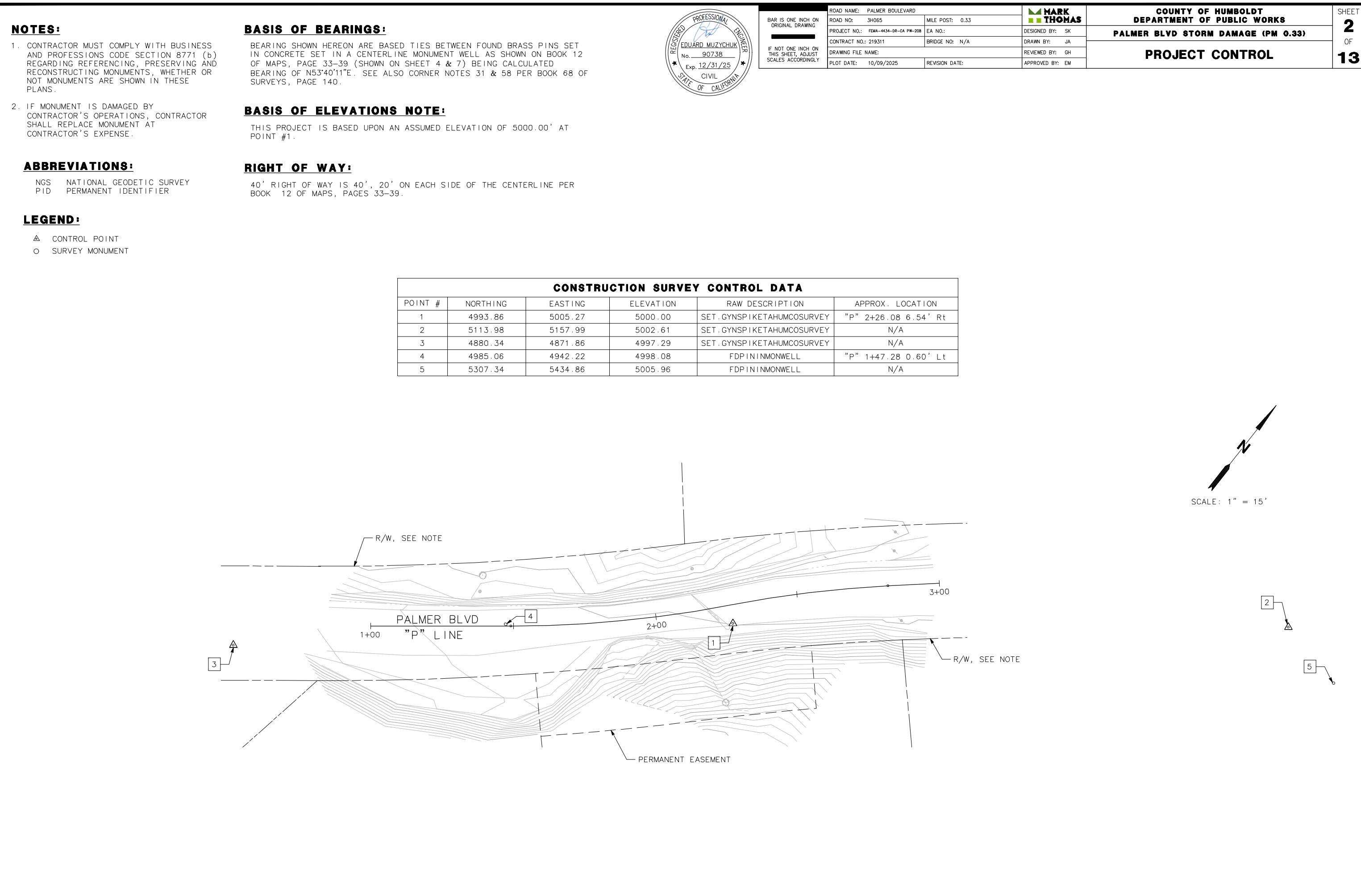
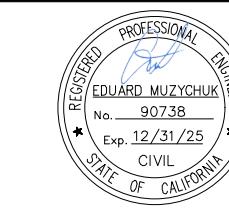
 <p>VICINITY MAP NOT TO SCALE</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">BAR IS ONE INCH ON ORIGINAL DRAWING</td> <td style="width: 50px; text-align: center;">ROAD NAME: PALMER BOULEVARD</td> </tr> <tr> <td>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</td> <td>ROAD NO: 3H065 MILE POST: 0.33</td> </tr> <tr> <td></td> <td>PROJECT NO.: FEMA-4434-DR-CA PW-208 EA NO.:</td> </tr> <tr> <td></td> <td>CONTRACT NO: 219311 BRIDGE NO: N/A DRAWN BY: JA</td> </tr> <tr> <td></td> <td>DRAWING FILE NAME: REVIEWED BY: GH</td> </tr> <tr> <td></td> <td>PLOT DATE: 10/09/2025 REVISION DATE: APPROVED BY: EM</td> </tr> </table>		BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: PALMER BOULEVARD	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: 3H065 MILE POST: 0.33		PROJECT NO.: FEMA-4434-DR-CA PW-208 EA NO.:		CONTRACT NO: 219311 BRIDGE NO: N/A DRAWN BY: JA		DRAWING FILE NAME: REVIEWED BY: GH		PLOT DATE: 10/09/2025 REVISION DATE: APPROVED BY: EM	 <p>COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS PALMER BLVD STORM DAMAGE (PM 0.33)</p>					
		BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: PALMER BOULEVARD																		
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	DRAWING FILE NAME: REVIEWED BY: GH																				
	PLOT DATE: 10/09/2025 REVISION DATE: APPROVED BY: EM																				
				<p>TITLE</p>																	
SHEET 1 OF 13																					
<p>COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS PROJECT PLANS FOR CONSTRUCTION TO STORM DAMAGE REPAIR ON PALMER BOULEVARD [3H065] AT P.M. 0.33 FEDERAL PROJECT NO. FEMA-4434-DR-CA PW-208 CONTRACT NO. 219311</p>																					
<p>TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION 2024 STANDARD PLANS AND STANDARD SPECIFICATIONS</p>																					
																					
 <p>LOCATION MAP NOT TO SCALE</p>																					
<p>INDEX OF SHEETS</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10px;">1</td> <td>TITLE SHEET</td> </tr> <tr> <td>2</td> <td>PROJECT CONTROL</td> </tr> <tr> <td>3</td> <td>TYPICAL CROSS SECTION</td> </tr> <tr> <td>4</td> <td>LAYOUT AND PROFILE</td> </tr> <tr> <td>5</td> <td>DRAINAGE AND UTILITIES</td> </tr> <tr> <td>6</td> <td>EROSION CONTROL</td> </tr> <tr> <td>7</td> <td>STAGE CONSTRUCTION</td> </tr> <tr> <td>8-13</td> <td>STRUCTURE PLANS</td> </tr> </table>						1	TITLE SHEET	2	PROJECT CONTROL	3	TYPICAL CROSS SECTION	4	LAYOUT AND PROFILE	5	DRAINAGE AND UTILITIES	6	EROSION CONTROL	7	STAGE CONSTRUCTION	8-13	STRUCTURE PLANS
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7	STAGE CONSTRUCTION																				
8-13	STRUCTURE PLANS																				
<p>NOTES</p> <ol style="list-style-type: none"> 1. THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT. 2. STANDARD PLAN LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE SPECIAL PROVISIONS. 3. LATITUDE: 40.6080 LONGITUDE: -124.1740 																					
<p>GEOTECH REPORT</p> <p>2022 CRAWFORD & ASSOCIATES, INC.</p>																					
																					
<p>APPROVED BY:  TONY SEGHETTI, RCE 6374 COUNTY OF HUMBOLDT PUBLIC WORKS DEPUTY DIRECTOR</p>																					
<p>10/14/2025 DATE</p>																					
<p>PROPOSED LOCATION</p>																					
<p>REGISTERED PROFESSIONAL ENGINEER JASON BRADFORD HICKEY No. S5783 Exp. 6/30/26 STRUCTURAL STATE OF CALIFORNIA</p>																					
<p>JASON BRADFORD HICKEY RSE S5783, EXP. 6/30/2026</p>																					
<p>10/09/2025 DATE</p>																					
<p>ORIGINAL LOW BID PRICE / CONSTRUCTED BY / / PROJECT COMPLETED / / RESIDENT ENGINEER CONSTRUCTION COST \$</p>																					



NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATION.
2. FOR CABLE RAILING DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, B11-47.
3. FOR UNDERDRAIN DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, D102.
4. FOR PLASTIC CULVERT EXCAVATION AND BACKFILL NOT SHOWN, SEE CALTRANS STANDARD PLANS, A62F.
5. FOR HMA DIKE DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, A87B AND A77N4.
6. FOR NARROW ROADWAY INSTALLATION OF MGS, SEE CALTRANS STANDARD PLAN, A77N3.



BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD	ROAD NO: 3H065	MILE POST: 0.33
PROJECT NO: FEMA-4434-DR-CA PW-208	EA NO.:	DESIGNED BY: SK
CONTRACT NO: 219311	BRIDGE NO: N/A	DRAWN BY: JA
DRAWING FILE NAME:		REVIEWED BY: GH
PLOT DATE: 10/09/2025	REVISION DATE:	APPROVED BY: EM

MARK
THOMAS

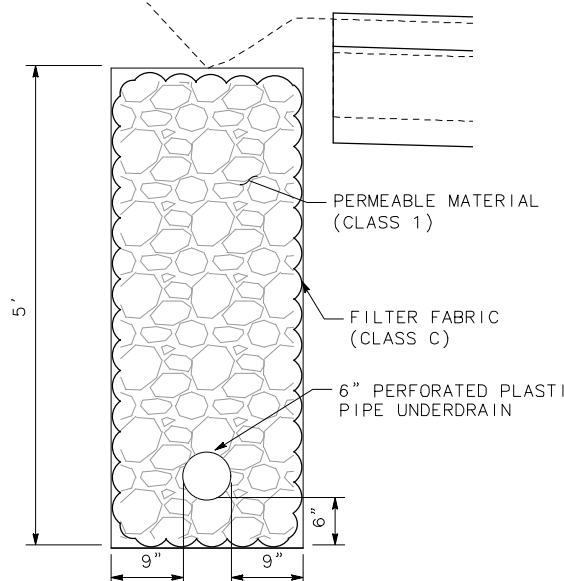
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PALMER BLVD STORM DAMAGE (PM 0.33)

TYPICAL CROSS SECTIONS

SHEET

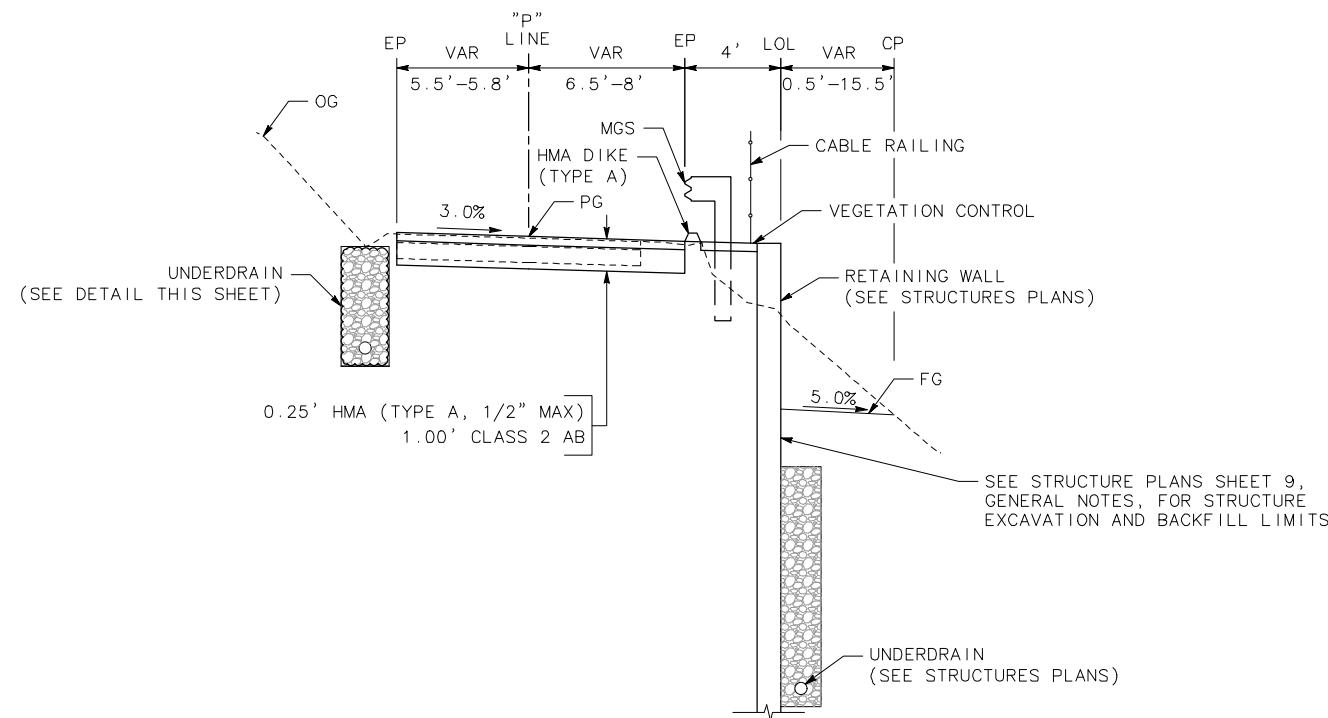
3
OF

13



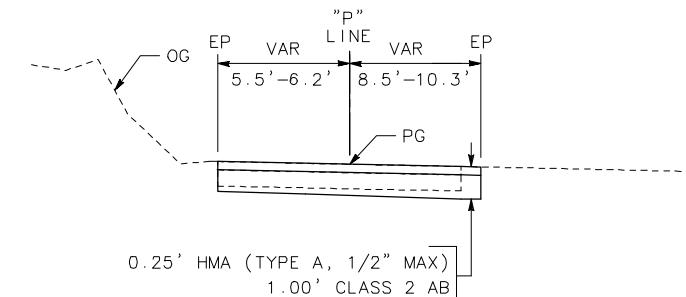
UNDERDRAIN DETAIL

NO SCALE



PALMER BOULEVARD

"P" 1+67.79 TO 2+34.05



PALMER BOULEVARD

"P" 1+37.19 TO 1+67.79

"P" 2+34.05 TO 2+40.02

NOTE:

- ALL CALLOUTS ON THIS SHEET REFERENCE THE "P" LINE UNLESS OTHERWISE NOTED.
- NO DRAINAGE SHALL BE DIRECTED TOWARD THE HOUSE.



BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD	MARK
ROAD NO: 3H065	THOMAS
MILE POST: 0.33	
PROJECT NO: FEMA-4434-DR-CA PW-208	DESIGNED BY: SK
EA NO:	
CONTRACT NO: 219311	BRIDGE NO: N/A
	DRAWN BY: JA
	REVIEWED BY: GH
DRAWING FILE NAME:	
PLOT DATE: 10/09/2025	REVISION DATE:
	APPROVED BY: EM

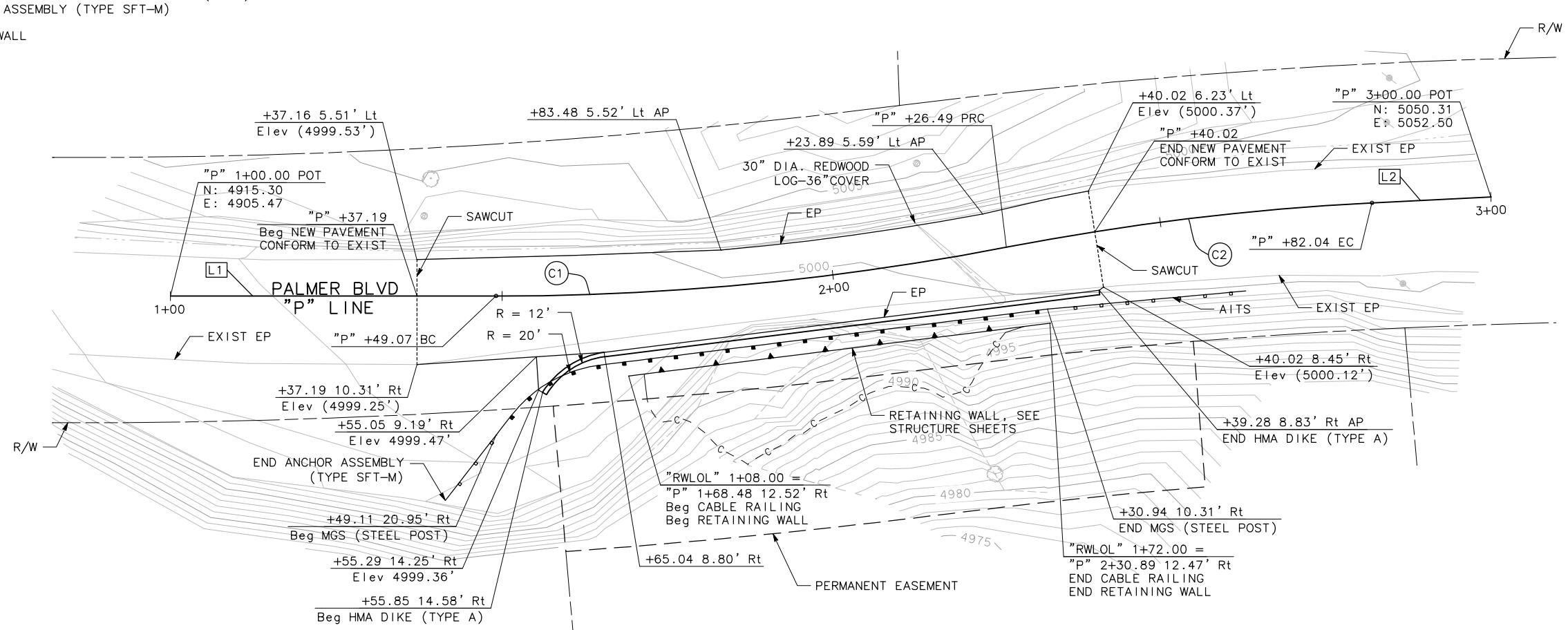
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PALMER BLVD STORM DAMAGE (PM 0.33)

LAYOUT AND PROFILE

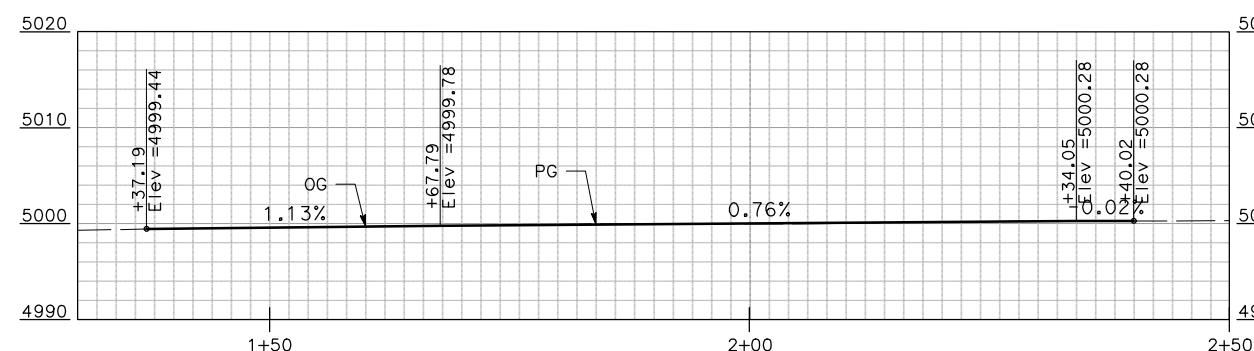
SHEET
4
OF
13

LEGEND

- C — CUT LINE
- F — FILL LINE
- SAWCUT
- RIGHT OF WAY
- EASEMENT
- MGS
- ALTERNATIVE IN-LINE TERMINAL SYSTEM (AITS)
- END ANCHOR ASSEMBLY (TYPE SFT-M)
- RETAINING WALL



ALIGNMENT LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	49.07'	N51°43'55"E
L2	17.96'	N48°51'46"E



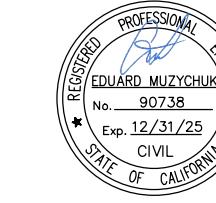
PROFILE
SCALE: HORIZ 1" = 10'
VERT 1" = 10'

CURVE	RADIUS	DELTA	TANGENT	LENGTH
C1	405.50'	10°56'17"	38.82'	77.41'
C2	394.50'	8°04'08"	27.82'	55.56'

L-1

NOTES:

1. ALL CALLOUTS ON THIS SHEET REFERENCE THE "P" LINE UNLESS OTHERWISE NOTED.
2. FOR UNDERDRAIN AND RISER DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLAN D102.
3. ROCK SLOPE PROTECTION (RSP) EXCAVATION AND RSP FABRIC ARE PAID UNDER RSP.



BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD	MARK
ROAD NO: 3H065	THOMAS
MILE POST: 0.33	
PROJECT NO: FEMA-4434-DR-CA PW-208	DESIGNED BY: SK
CONTRACT NO: 219311	BRIDGE NO: N/A
DRAWING FILE NAME:	DRAWN BY: JA
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PLOT DATE: 10/09/2025	REVISION DATE:
	APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PALMER BLVD STORM DAMAGE (PM 0.33)

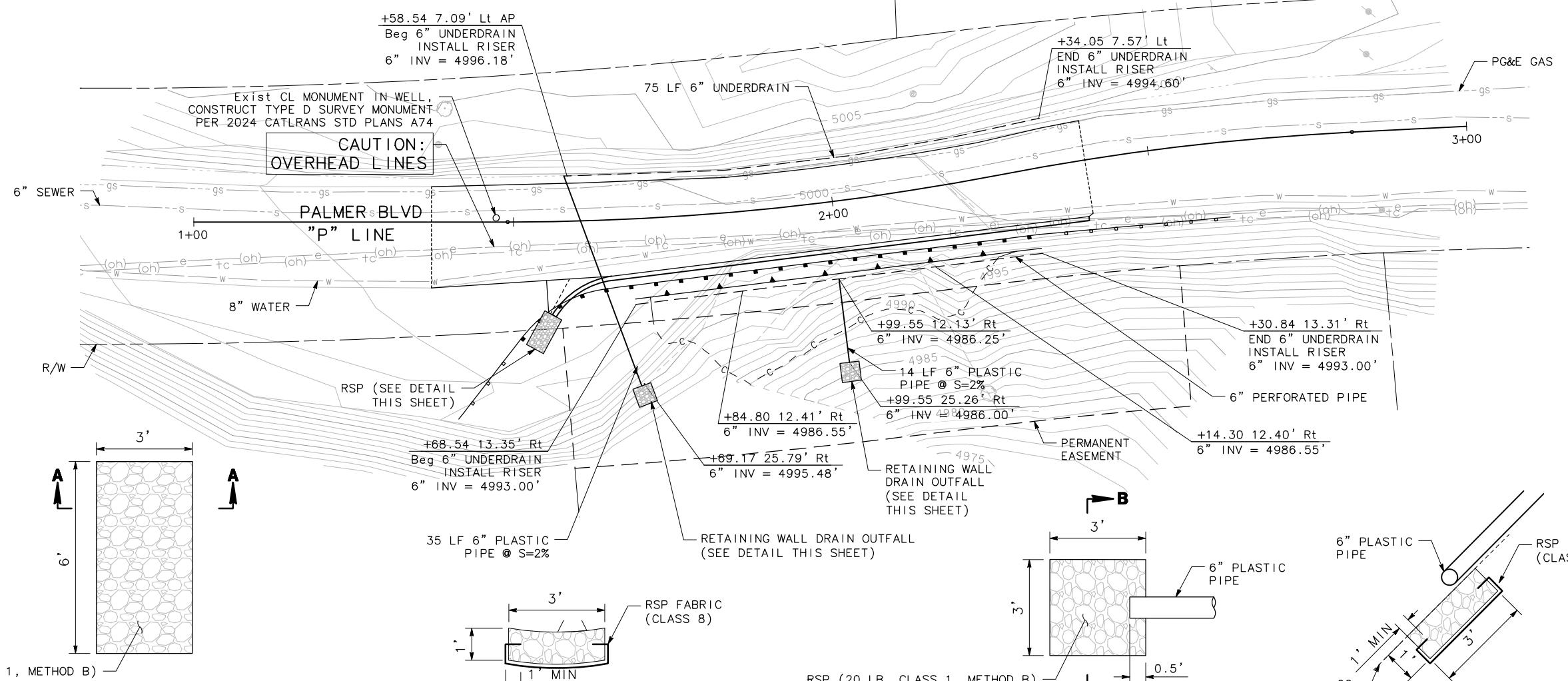
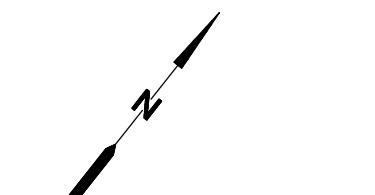
DRAINAGE AND UTILITIES

SHEET

5

OF
13**LEGEND:**

—e—(oh) EXIST OVERHEAD ELECTRICAL LINE
—tc—(oh) EXIST OVERHEAD TELECOMMUNICATIONS LINE
—gs— EXIST UNDERGROUND GAS LINE
—s— EXIST UNDERGROUND SANITARY SEWER LINE
—SD— STORM DRAIN
— — — — UNDERDRAIN



ROCK SLOPE PROTECTION (RSP)
NOT TO SCALE

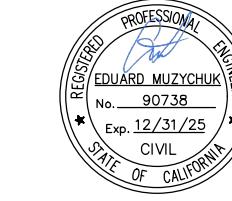
SECTION A-A

**RETAINING WALL
DRAIN OUTFALL**
NOT TO SCALE

DU-1

NOTES:

1. CONSTRUCTION ENTRANCE BMP'S MUST BE INSTALLED TO CONTROL VEHICLE TRACKING.
2. FOR FIBER ROLLS, INSTALL TYPE 2 INSTALLATION PER LATEST CALTRANS BMP MANUAL



BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD	ROAD NO: 3H065	MILE POST: 0.33
PROJECT NO: FEMA-4434-DR-CA PW-208	EA NO.:	DESIGNED BY: SK
CONTRACT NO: 219311	BRIDGE NO: N/A	DRAWN BY: JA
DRAWING FILE NAME:		REVIEWED BY: GH
PLOT DATE: 10/09/2025	REVISION DATE:	APPROVED BY: EM



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PALMER BLVD STORM DAMAGE (PM 0.33)

EROSION CONTROL

SHEET

6

OF

13

LEGEND:

DRY SEED AND STRAW

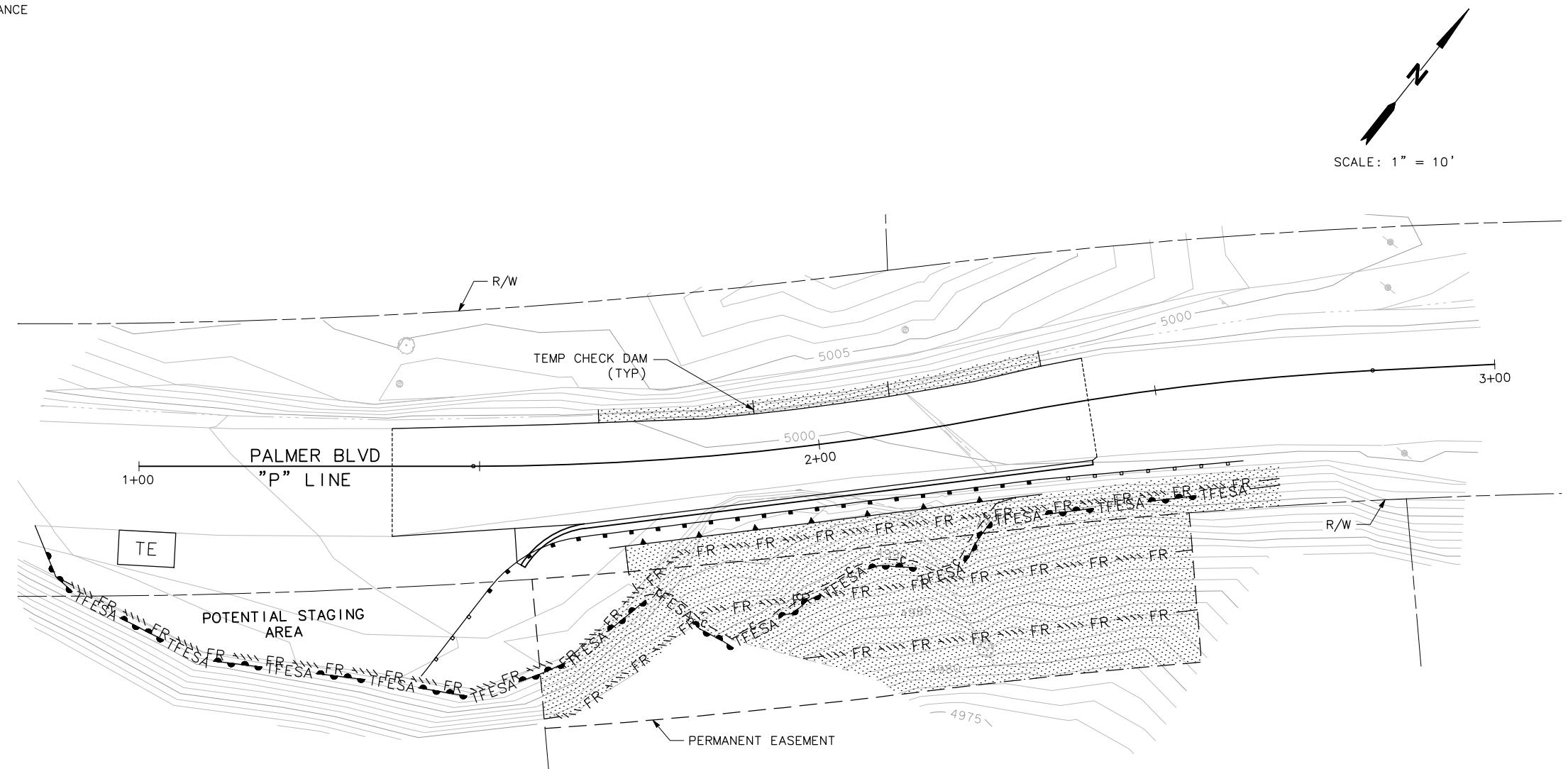
FR — FIBER ROLLS

TFESA — TEMP REINFORCED SILT FENCE

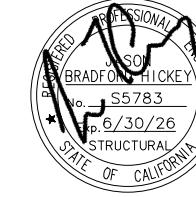
CD — TEMP CHECK DAM

TE — TEMP CONSTRUCTION ENTRANCE

SCALE: 1" = 10'



EC-1



BAR IS ONE INCH ON
ORIGINAL DRAWING

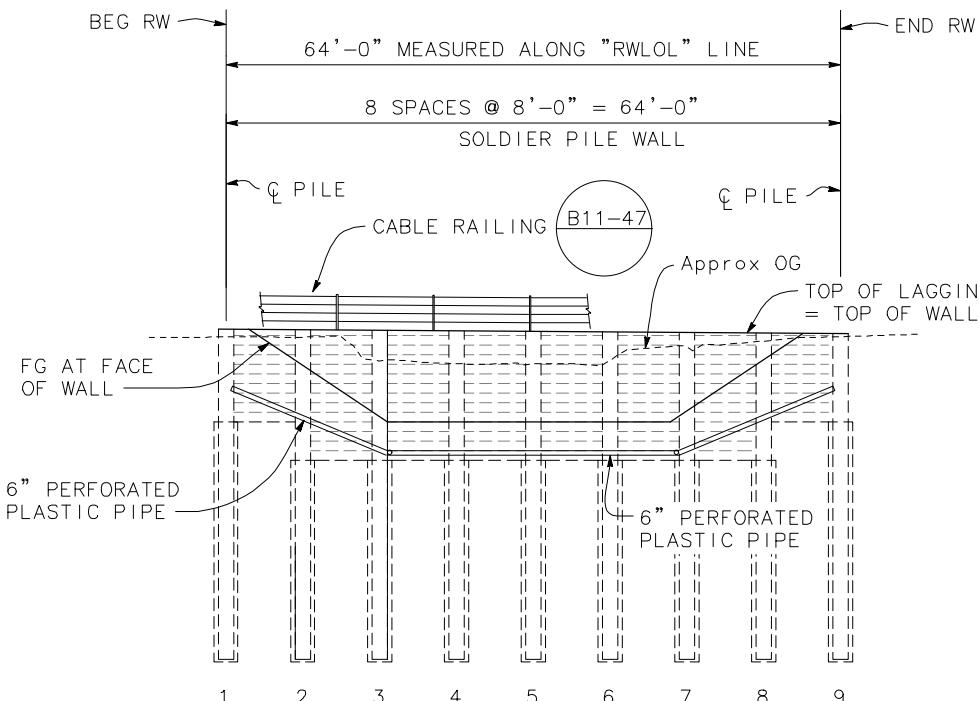
ROAD NAME: PALMER BOULEVARD	MARK THOMAS
ROAD NO: 3H065	MILE POST: 0.33
PROJECT NO: FEMA-4434-DR-CA PW-208	EA NO.:
CONTRACT NO: 219311	DESIGNED BY: JS
	BRIDGE NO: N/A
	DRAWN BY: ASM
	REVIEWED BY: JH
PLOT DATE: 10/09/2025	REVISION DATE:
	APPROVED BY: JH

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES

GENERAL PLAN

SHEET
8

OF
13



DATUM Elev = 4950.00

1:100

DEVELOPED ELEVATION

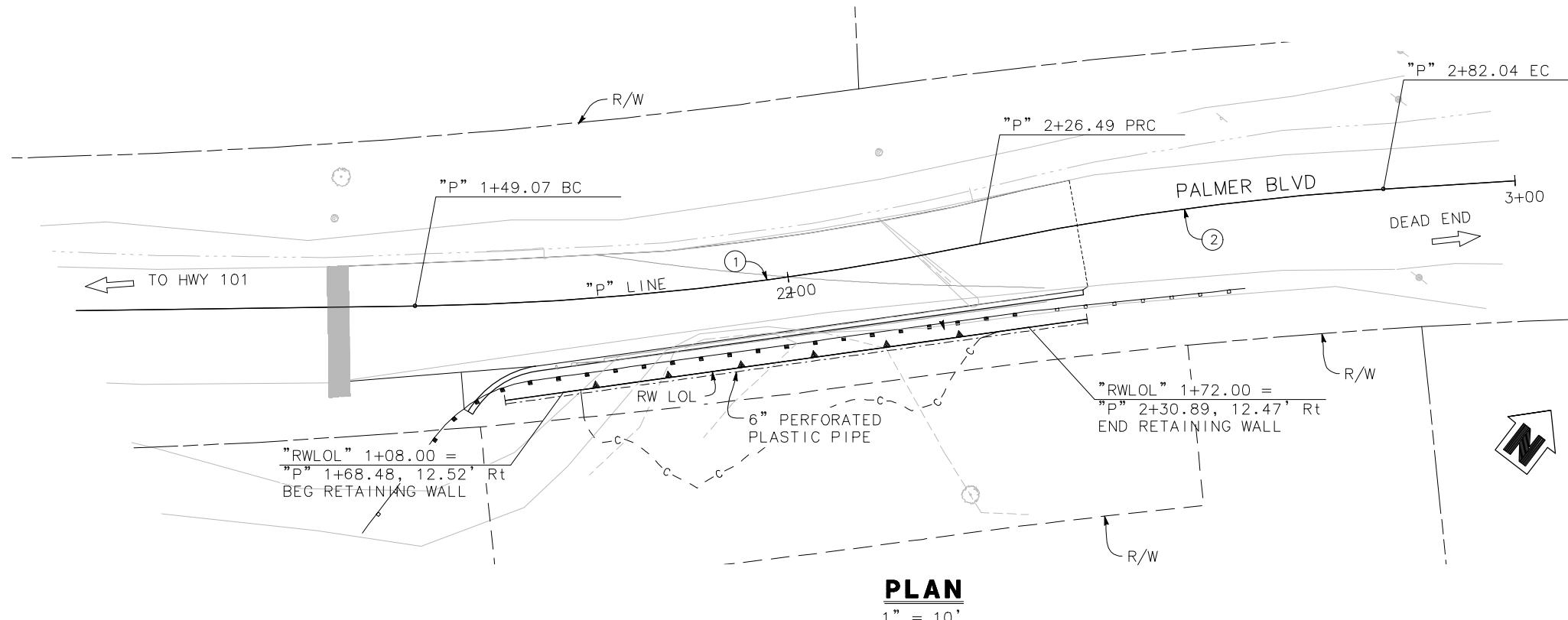
1" = 10'

QUANTITIES

STRUCTURE EXCAVATION (SOLDIER PILE WALL)	27 CY
STRUCTURE BACKFILL (SOLDIER PILE WALL)	14 CY
CONCRETE BACKFILL (SOLDIER PILE WALL)	36 CY
LEAN CONCRETE BACKFILL	16 CY
STEEL SOLDIER PILE (W 18 X 130)	308 LF
30" DRILLED HOLE	295 LF
TIMBER LAGGING	5 MFBM
CLEAN AND PAINT STEEL SOLDIER PILING	1 LS
6" PERFORATED PLASTIC PIPE UNDERDRAIN	64 LF
CLASS 1 PERMEABLE MATERIAL	19 CY
CABLE RAILING	64 LF

INDEX TO PLANS

SHEET NO.	TITLE
8	GENERAL PLAN
9	GENERAL NOTES
10	FOUNDATION PLAN
11	TYPICAL SECTION
12	SOLDIER PILE WALL LAGGING DETAILS
13	SOLDIER PILE WALL DETAILS NO. 1



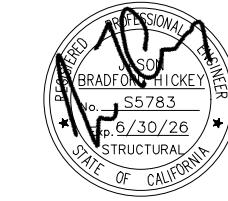
PLAN

1" = 10'

CURVE TABLE				
CURVE #	RADIUS	DELTA	TANGENT	LENGTH
(1)	405.50'	10° 56' 17"	38.82'	77.42'
(2)	394.50'	8° 04' 08"	27.82'	55.55'

NOTES:

1. For MGS, see "ROADWAY PLANS"
2. For 6"φ plastic pipe outfall, see "ROADWAY PLANS"
3. For "TYPICAL SECTION," see "TYPICAL SECTION" Sheet



BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD	ROAD NO: 3H065	MILE POST: 0.33	MARK THOMAS
PROJECT NO: FEMA-4434-DR-CA PW-208	EA NO.:	DESIGNED BY: JS	
CONTRACT NO: 219311	BRIDGE NO: N/A	DRAWN BY: ASM	
DRAWING FILE NAME:		REVIEWED BY: JH	
PLOT DATE: 10/09/2025	REVISION DATE:	APPROVED BY: JH	

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES

GENERAL NOTES

SHEET 9 OF 13

GENERAL NOTES

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments.

LIVE LOAD: 240 psf equivalent to 2 feet soil weight.

SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)
 Backfill soil weight = 128 lb/ft³
 Friction Angle = 43°
 Active Pressure coefficient, K_a = 0.336

SEISMIC PARAMETERS:
 Seismic Active Earth Pressure = 59 lb/ft³

STEEL SOLDIER PILES: ASTM A572/A, ASTM 572M Grade 50 Min, or ASTM A992

STRUCTURAL TIMBER: Treated Douglas Fir, Grade No. 1 or better
 Timber to be full sawn.

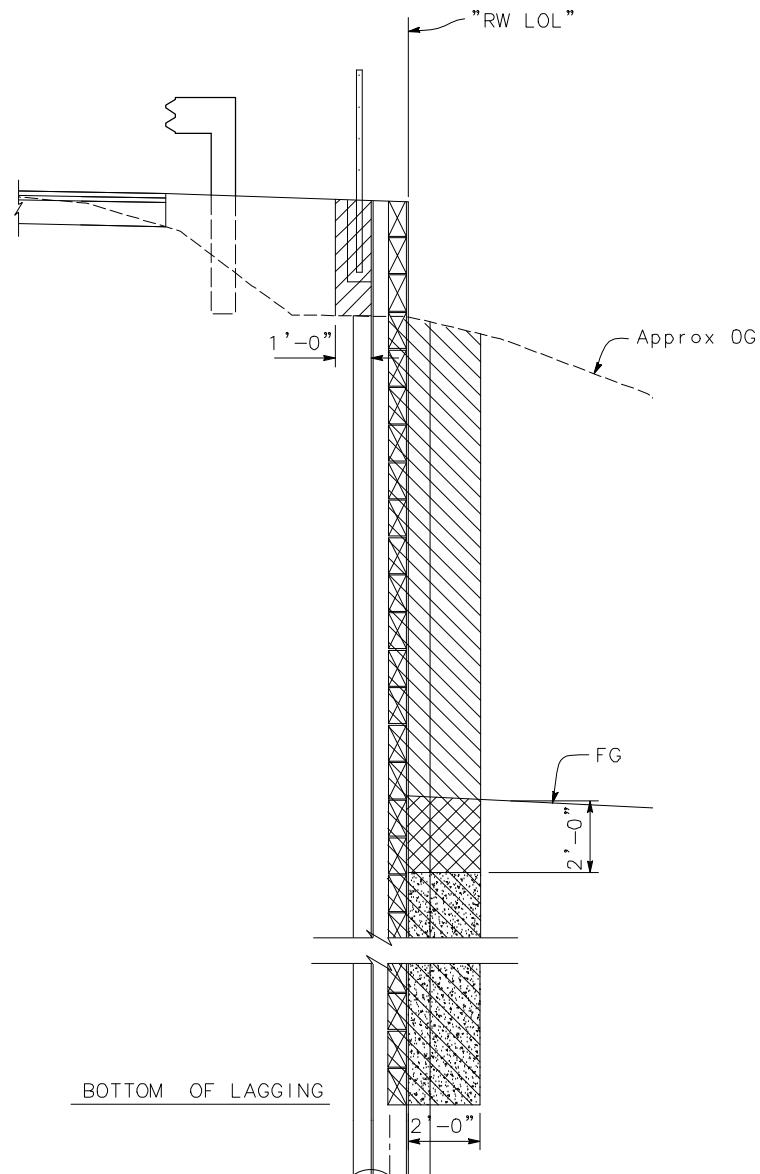
STANDARD PLANS DATED 2024

A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL
B11-47	CABLE RAILING

STANDARD PLANS No.
 DETAIL No.

NOTES:

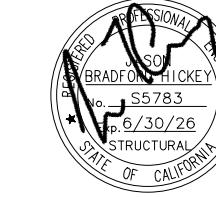
- For limits of payments for roadway excavation, see "ROADWAY PLANS"



STRUCTURE BACKFILL AND EXCAVATION

NO SCALE

- Indicates Structure Excavation, Soldier Pile Wall
- Indicates Structure Backfill, Soldier Pile Wall
- Indicates Permeable Material Class 1



BAR IS ONE INCH ON
ORIGINAL DRAWING

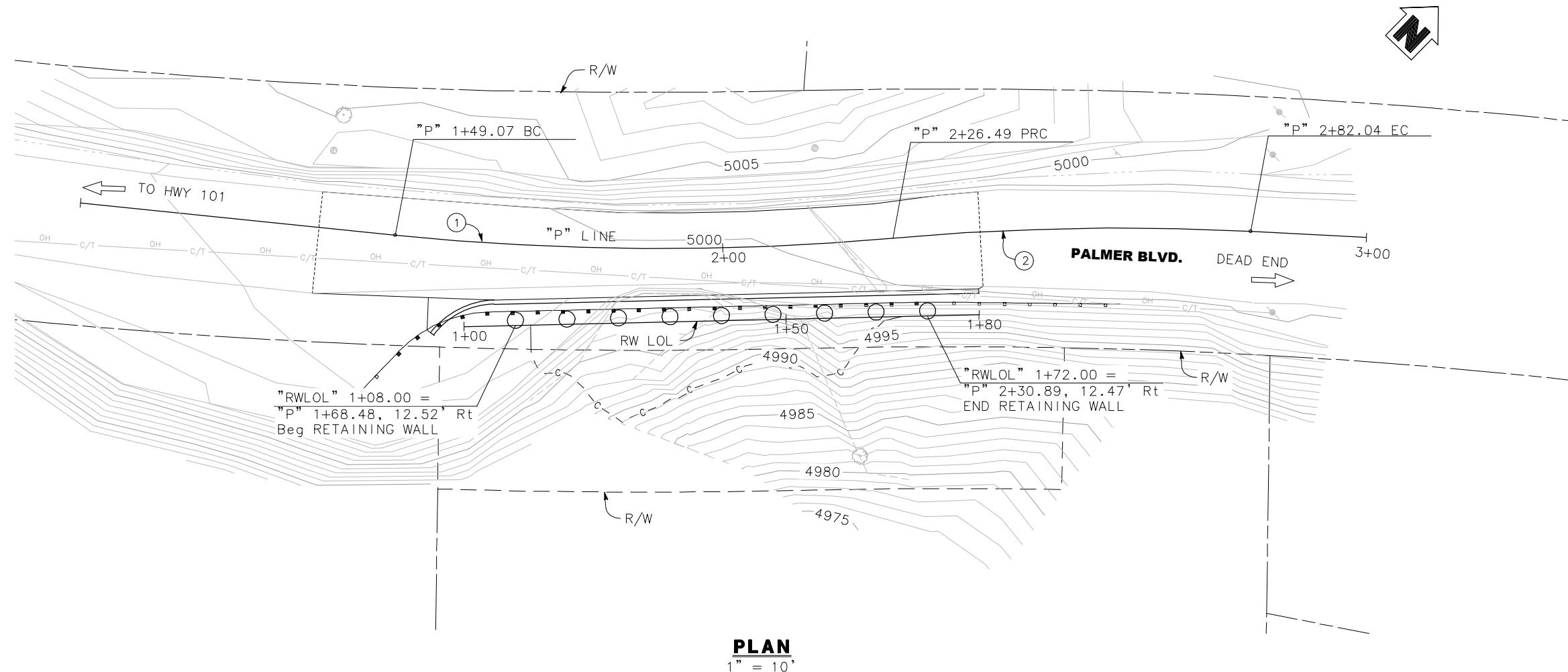
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PLOT DATE: 10/09/2025	REVISION DATE:	APPROVED BY: JH



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES

FOUNDATION PLAN

SHEET
10
OF
13

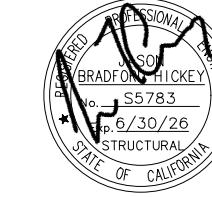


LEGEND

○ - 30 inch diameter drilled hole

CURVE TABLE

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
①	405.50'	10°56'17"	38.82'	77.42'
②	394.50'	8°04'08"	27.82'	55.55'



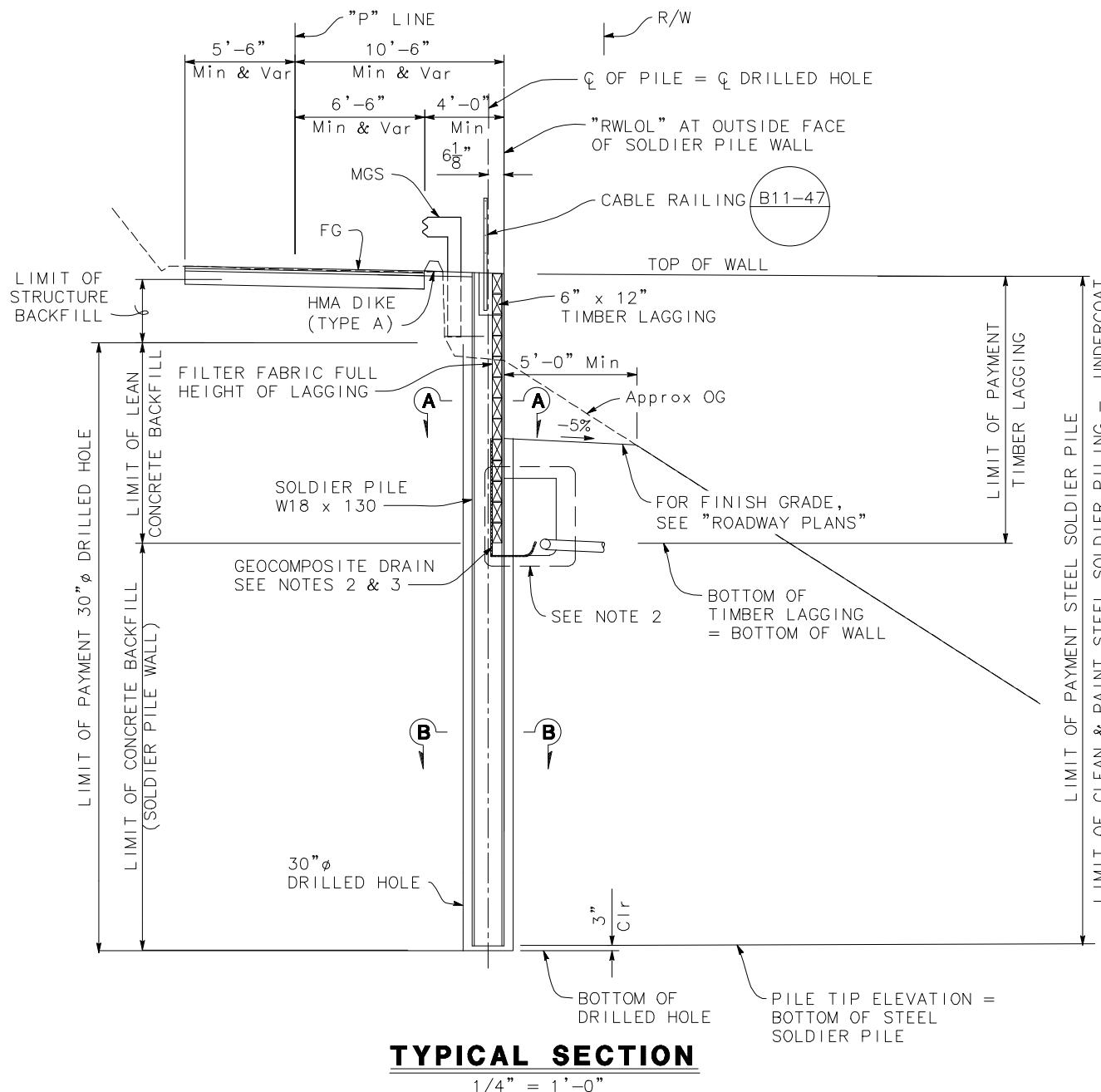
BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD	MARK
ROAD NO: 3H065	MILE POST: 0.33
PROJECT NO: FEMA-4434-DR-CA PW-208	EA NO: JS
CONTRACT NO: 219311	BRIDGE NO: N/A
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	REVIEWED BY: JH
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COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES

TYPICAL SECTION

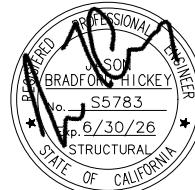
SHEET
11
OF
13



NOTES:

1. For "SECTION A-A" and "SECTION B-B", see "SOLDIER PILE WALL LAGGING DETAILS" sheet.
2. FOR "WALL DRAIN DETAIL", SEE "SOLDIER PILE WALL DETAILS NO. 1" SHEET.
3. CONTINUE GEOCOMPOSITE DRAIN UNDER TIMBER LAGGING INTO PERMEABLE MATERIAL

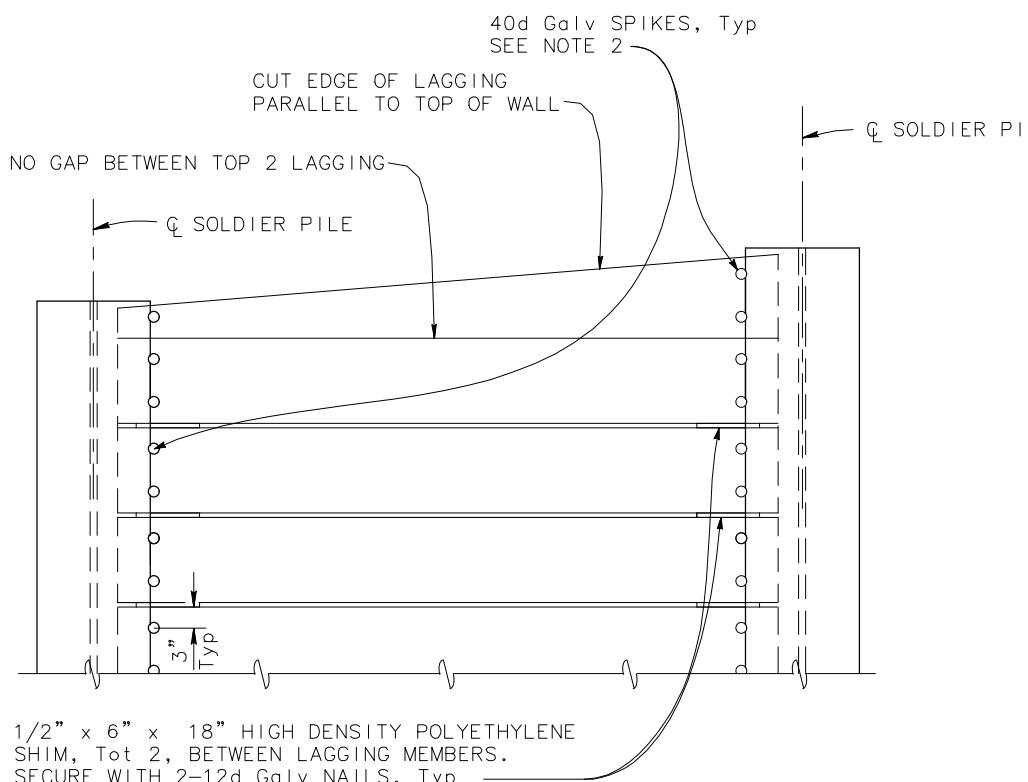
PILE DATA TABLE				
PILE NUMBER	"RWLOL" LINE STATION	TOP OF WALL ELEVATION	BOTTOM OF LAGGING ELEVATION	PILE TIP ELEVATION
		(ft)	(ft)	(ft)
1	1+08.00	4999.41	4989.75	4965.0
2	1+16.00	4999.35	4985.75	4965.0
3	1+24.00	4999.29	4985.75	4965.0
4	1+32.00	4999.23	4985.75	4965.0
5	1+40.00	4999.17	4985.75	4965.0
6	1+48.00	4999.10	4985.75	4965.0
7	1+56.00	4999.04	4985.75	4965.0
8	1+64.00	4998.98	4985.75	4965.0
9	1+72.00	4998.92	4989.75	4965.0



ROAD NAME: PALMER BOULEVARD	MARK THOMAS
ROAD NO: 3H065	MILE POST: 0.33
PROJECT NO: FEMA-4434-DR-CA PW-208	EA NO: JS
CONTRACT NO: 219311	BRIDGE NO: N/A
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COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES
SOLDIER PILE WALL LAGGING DETAILS

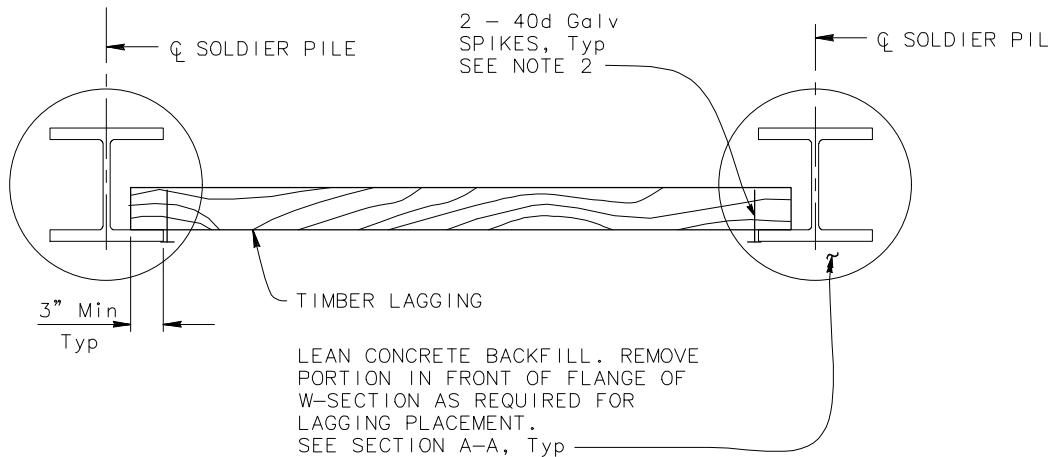
SHEET 12 OF 13



PART ELEVATION

LAGGING DETAILS

NO SCALE

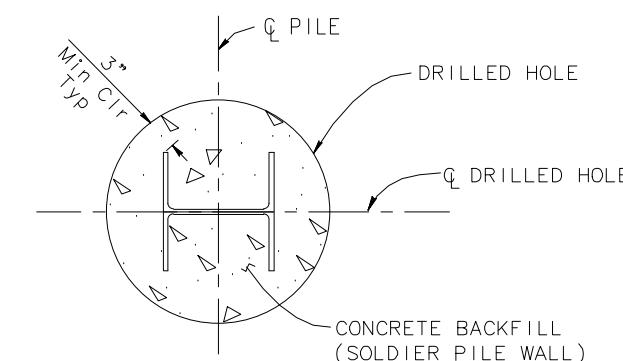
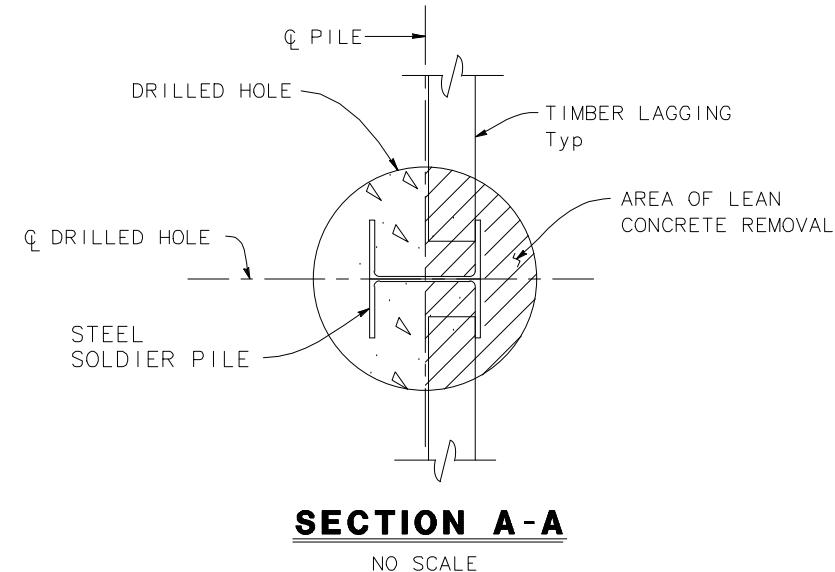


PART PLAN OF TIMBER LAGGING MEMBER

NO SCALE

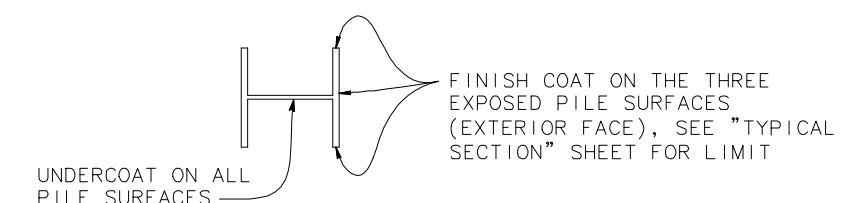
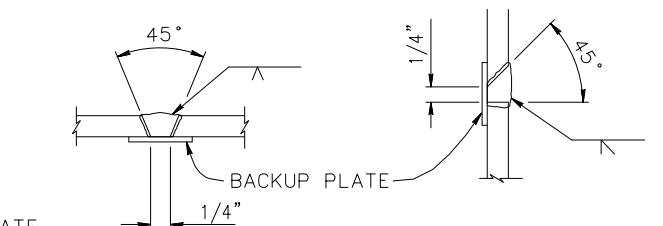
NOTES:

1. No clipping of timber lagging corners allowed. Lagging corners may be chamfered to facilitate placement. Max 2 corner per lagging
2. Spikes shall not be bent



SHIM DETAIL

NO SCALE



**LIMITS OF CLEAN & PAINT
STEEL SOLDIER PILES**

NO SCALE

NOTES:

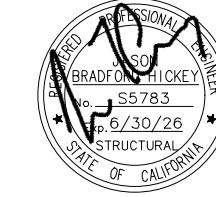
1. FINISH COAT TO BE FEDERAL STANDARD 595 30097 PAINT

PILE WELDING DETAIL-BUTT JOINTS

NO SCALE

NOTES:

1. Single vee-groove and square groove permitted for all positions.
2. Single bevel-groove permitted for horizontal joints only.



BAR IS ONE INCH ON
ORIGINAL DRAWING

ROAD NAME: PALMER BOULEVARD
ROAD NO: 3H065 MILE POST: 0.33
PROJECT NO: FEMA-4434-DR-CA PW-208 EA NO.:
CONTRACT NO: 219311 BRIDGE NO: N/A DRAWN BY: ASM
DRAWING FILE NAME: REVIEWED BY: JH
PLOT DATE: 10/09/2025 REVISION DATE: APPROVED BY: JH

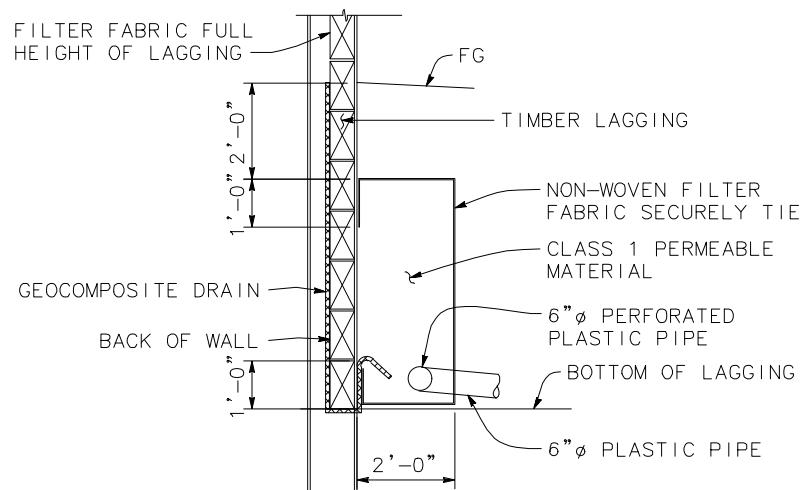


COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES
SOLDIER PILE WALL DETAILS NO. 1

SHEET
13
OF
13

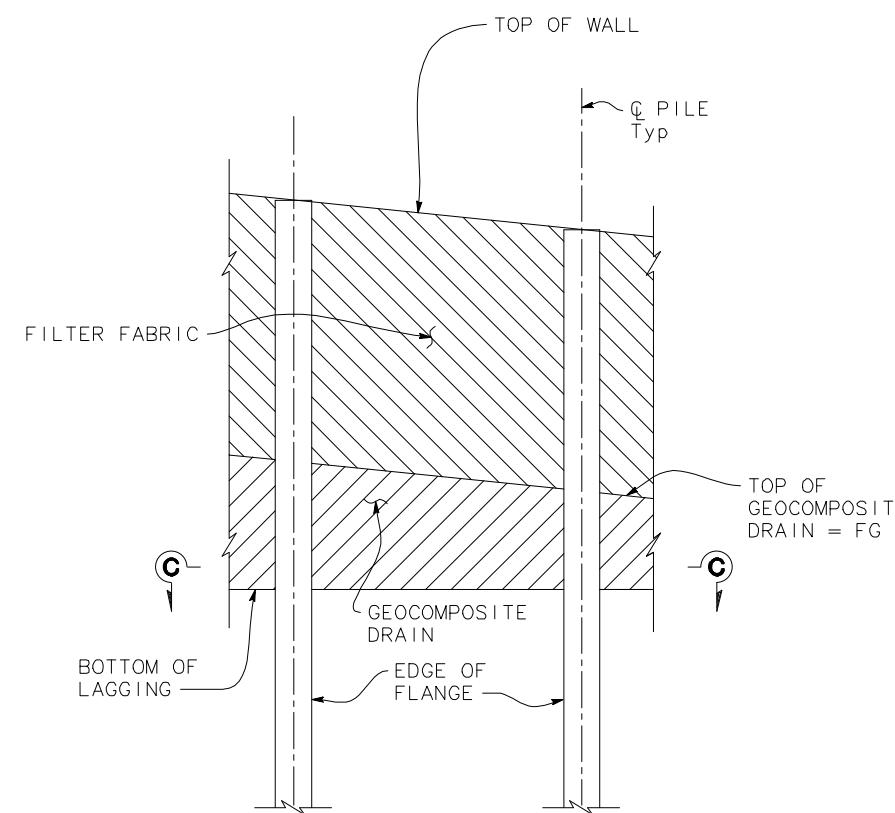
NOTES:

1. Geocomposite drain strip per Section 96
Geosynthetics of the Standard Specifications
2. Place plastic pipe 6" minimum from bottom of
lagging.



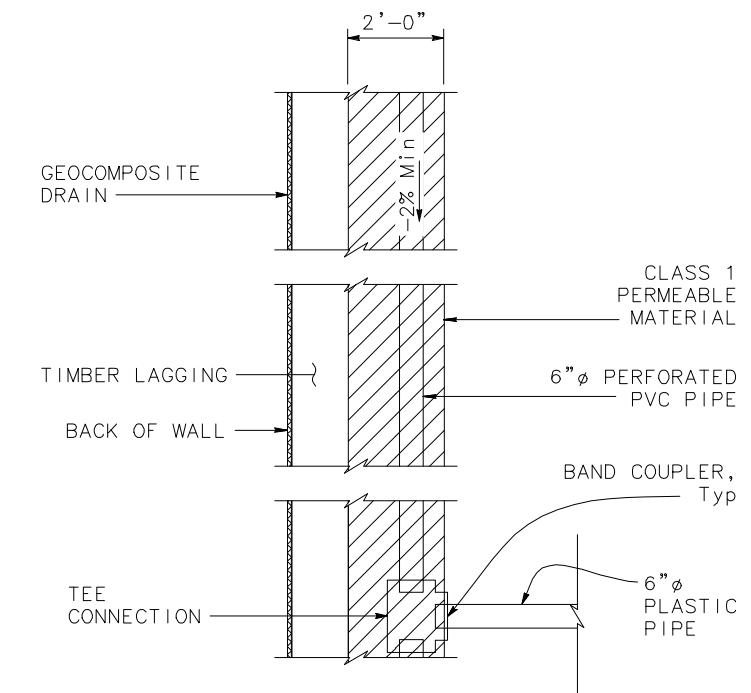
WALL DRAIN DETAIL

NO SCALE



**PART ELEVATION DRAIN AT
SOLDIER PILE WALL**

NO SCALE



SECTION C-C

NO SCALE