

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

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
2024 STANDARD PLANS AND STANDARD SPECIFICATIONS



INDEX OF SHEETS

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| 4 | LAYOUT AND PROFILE |
| 5 | DRAINAGE AND UTILITIES |
| 6 | EROSION CONTROL |
| 7 | STAGE CONSTRUCTION |
| 8-13 | STRUCTURE PLANS |

NOTES

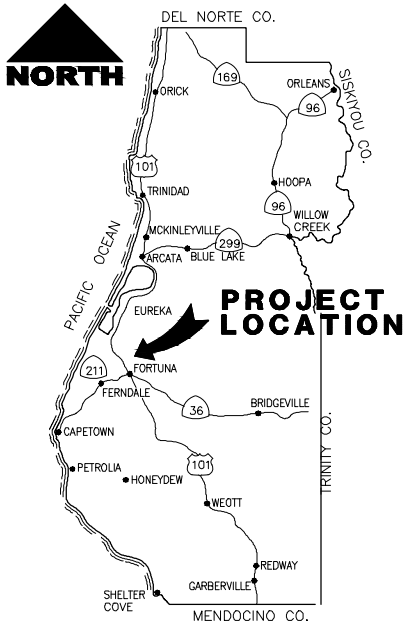
- THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.
- STANDARD PLAN LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE SPECIAL PROVISIONS.
- LATITUDE: 40.6080
LONGITUDE: -124.1740

GEOTECH REPORT

2022 CRAWFORD & ASSOCIATES, INC.

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	BRIDGE NO: N/A
DRAWING FILE NAME:	DESIGNED BY: SK
PLOT DATE: 10/09/2025	REVIEWED BY: GH
REVISION DATE:	APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS PALMER BLVD STORM DAMAGE (PM 0.33)	SHEET 1 OF 13
TITLE	



LOCATION MAP
NOT TO SCALE



APPROVED BY:
TONY SEGHETTI, RCE 63714
COUNTY OF HUMBOLDT
PUBLIC WORKS DEPUTY DIRECTOR
10/14/2025
DATE



JASON BRADFORD HICKEY
RSE S5783, EXP. 6/30/2026
10/09/2025
DATE

ORIGINAL LOW BID PRICE	CONSTRUCTED BY	RESIDENT ENGINEER
	PROJECT COMPLETED / /	CONSTRUCTION COST \$



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: PALMER BOULEVARD		MARK THOMAS	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		SHEET 2 OF 13
	ROAD NO: 3H065	MILE POST: 0.33		PALMER BLVD STORM DAMAGE (PM 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	PROJECT CONTROL
PLOT DATE: 10/09/2025	REVISION DATE:	APPROVED BY: EM				

NOTES:

1. CONTRACTOR MUST COMPLY WITH BUSINESS AND PROFESSIONS CODE SECTION 8771 (b) REGARDING REFERENCING, PRESERVING AND RECONSTRUCTING MONUMENTS, WHETHER OR NOT MONUMENTS ARE SHOWN IN THESE PLANS.
2. IF MONUMENT IS DAMAGED BY CONTRACTOR'S OPERATIONS, CONTRACTOR SHALL REPLACE MONUMENT AT CONTRACTOR'S EXPENSE.

BASIS OF BEARINGS:

BEARING SHOWN HEREON ARE BASED TIES BETWEEN FOUND BRASS PINS SET IN CONCRETE SET IN A CENTERLINE MONUMENT WELL AS SHOWN ON BOOK 12 OF MAPS, PAGE 33-39 (SHOWN ON SHEET 4 & 7) BEING CALCULATED BEARING OF N53°40'11"E. SEE ALSO CORNER NOTES 31 & 58 PER BOOK 68 OF SURVEYS, PAGE 140.

BASIS OF ELEVATIONS NOTE:

THIS PROJECT IS BASED UPON AN ASSUMED ELEVATION OF 5000.00' AT POINT #1.

ABBREVIATIONS:

NGS NATIONAL GEODETIC SURVEY
PID PERMANENT IDENTIFIER

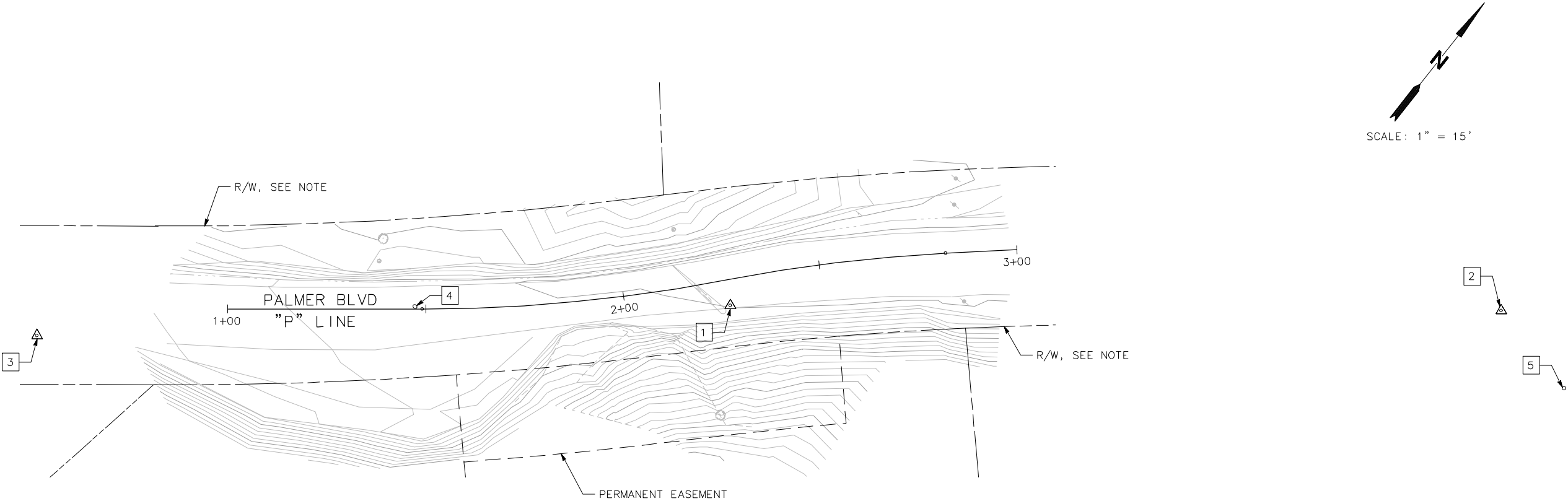
RIGHT OF WAY:

40' RIGHT OF WAY IS 40', 20' ON EACH SIDE OF THE CENTERLINE PER BOOK 12 OF MAPS, PAGES 33-39.

LEGEND:



- CONTROL POINT
- SURVEY MONUMENT

CONSTRUCTION SURVEY CONTROL DATA					
POINT #	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION	APPROX. LOCATION
1	4993.86	5005.27	5000.00	SET.GYNSPIKETAHUMCOSURVEY	"P" 2+26.08 6.54' Rt
2	5113.98	5157.99	5002.61	SET.GYNSPIKETAHUMCOSURVEY	N/A
3	4880.34	4871.86	4997.29	SET.GYNSPIKETAHUMCOSURVEY	N/A
4	4985.06	4942.22	4998.08	FDPININMONWELL	"P" 1+47.28 0.60' Lt
5	5307.34	5434.86	5005.96	FDPININMONWELL	N/A



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	
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	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**

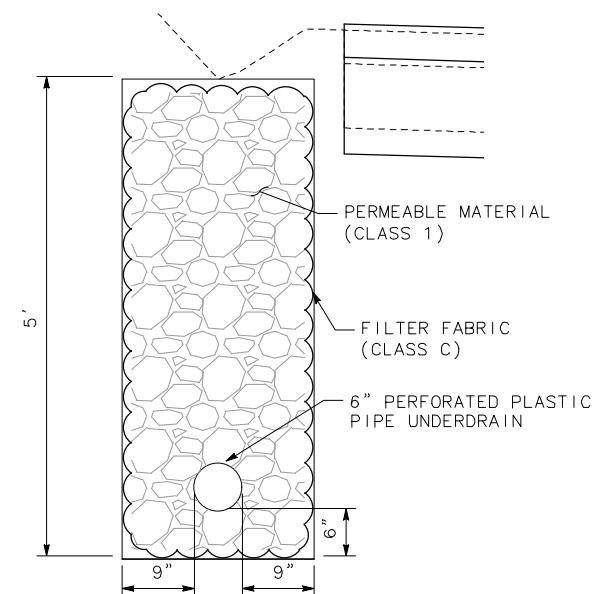
TYPICAL CROSS SECTIONS

	SHEET
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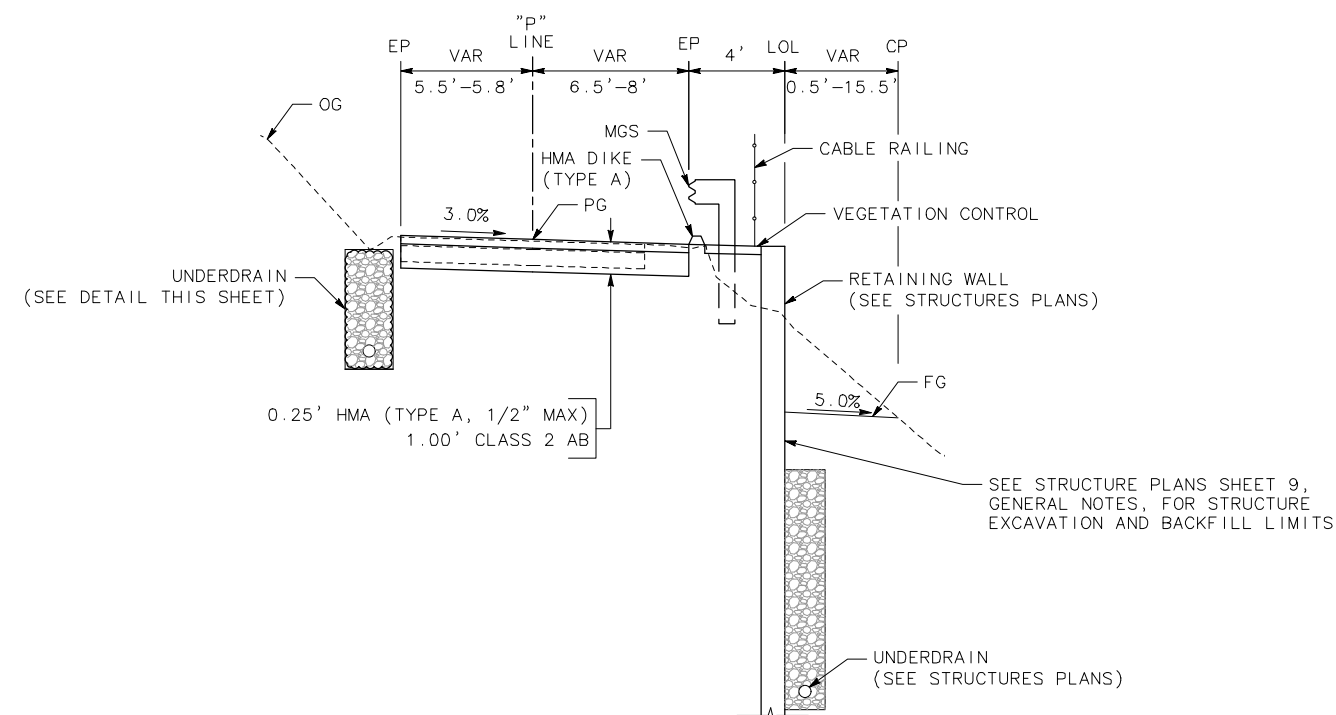
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OF

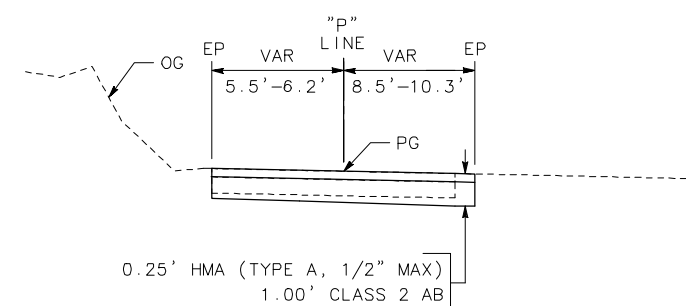
13



UNDERDRAIN DETAIL
NO SCALE



PALMER BOULEVARD
"P" 1+67.79 TO 2+34.05



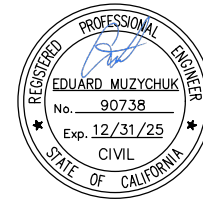
PALMER BOULEVARD
 "P" 1+37.19 TO 1+67.79
 "P" 2+34.05 TO 2+40.02

NOTE:

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

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



BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: PALMER BOULEVARD	
ROAD NO: 3H065	MILE POST: 0.33
PROJECT NO.: FEMA-4434-DR-CA P#-208	EA NO:
CONTRACT NO.: 219311	BRIDGE NO: N/A
DRAWING FILE NAME:	
PLOT DATE: 10/09/2025	REVISION DATE:

MARK THOMAS

DESIGNED BY: SK

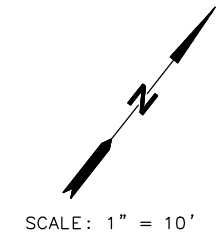
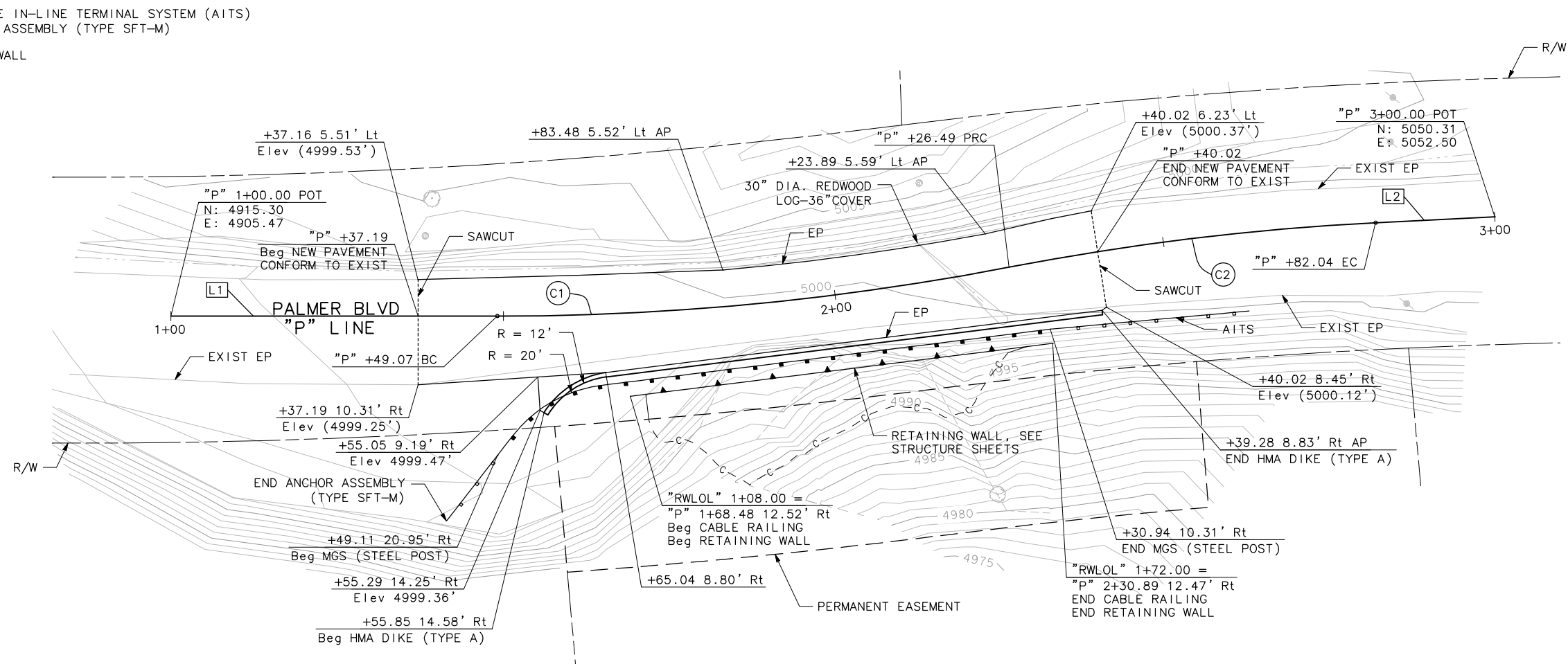
DRAWN BY: JA

REVIEWED BY: GH

APPROVED BY: EM

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

SHEET 4 OF 13



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

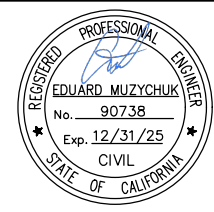


PROFILE

SCALE: HORIZ 1" = 10'

VERT 1" = 10'

ALIGNMENT CURVE TABLE				
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'

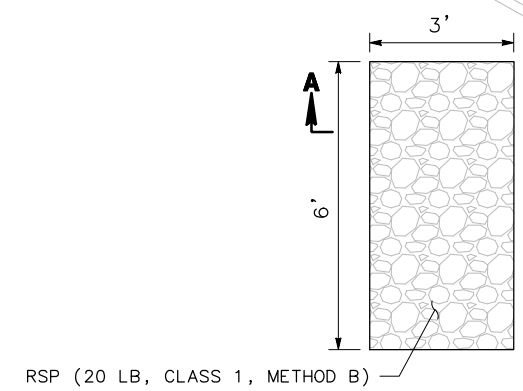
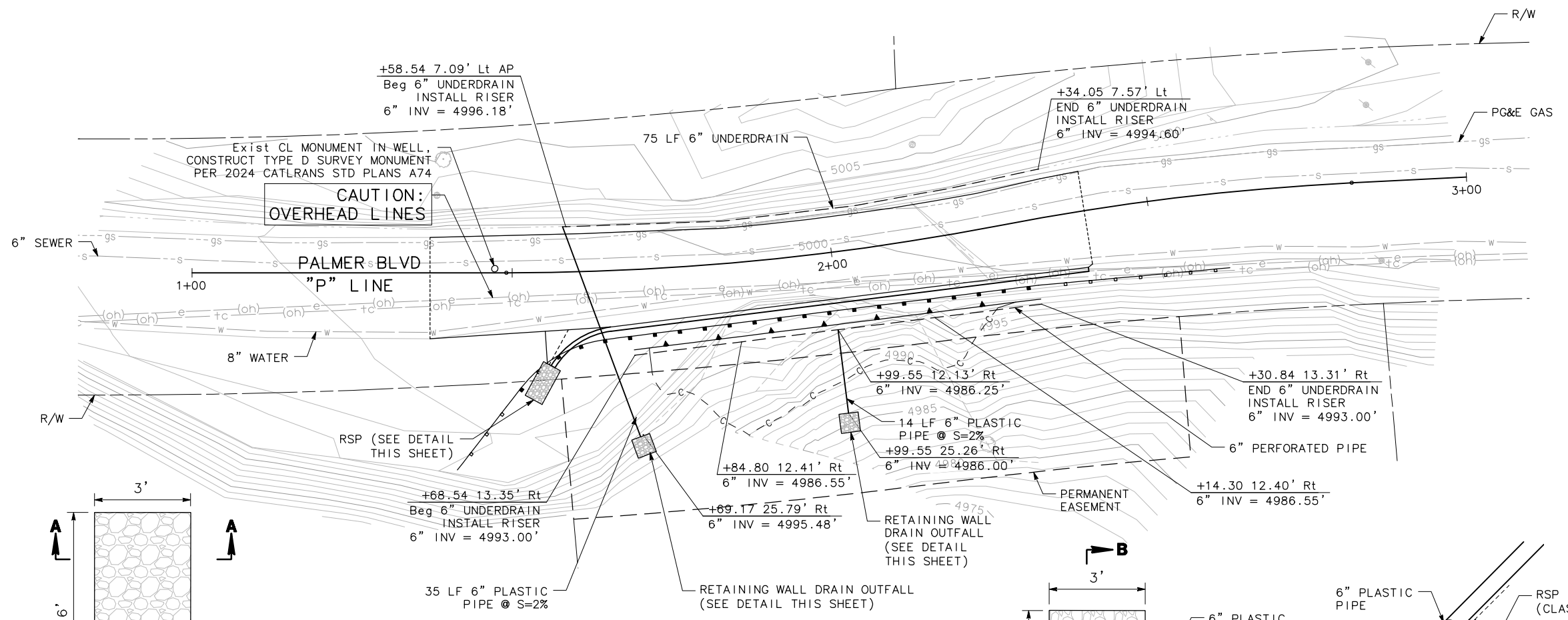
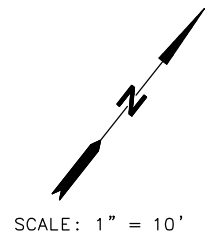


ROAD NAME: PALMER BOULEVARD		MARK THOMAS	
ROAD NO: 3H065	MILE POST: 0.33	DESIGNED BY: SK	
PROJECT NO.: FEMA-4434-DR-CA P#-208	EA NO.:	DRAWN BY: JA	
CONTRACT NO.: 219311	BRIDGE NO: N/A	REVIEWED BY: GH	
DRAWING FILE NAME:		APPROVED BY: EM	
PLOT DATE: 10/09/2025	REVISION DATE:		

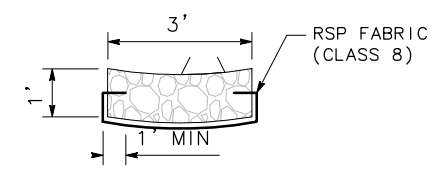
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 5 OF 13
PALMER BLVD STORM DAMAGE (PM 0.33)	
DRAINAGE AND UTILITIES	

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

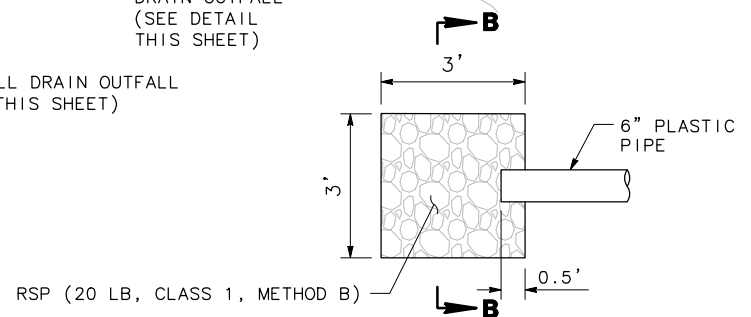
- LEGEND:**
- e—(oh)— EXIST OVERHEAD ELECTRICAL LINE
 - tc—(oh)— EXIST OVERHEAD TELECOMMUNICATIONS LINE
 - gs--- EXIST UNDERGROUND GAS LINE
 - s--- EXIST UNDERGROUND SANITARY SEWER LINE
 - SD--- STORM DRAIN
 - UNDERDRAIN



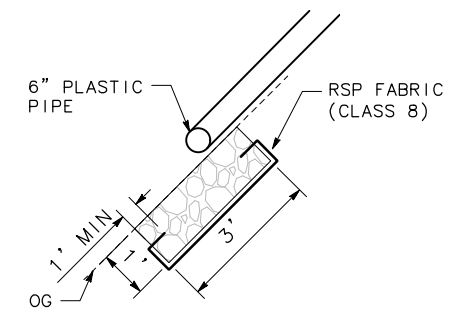
ROCK SLOPE PROTECTION (RSP)
NOT TO SCALE



SECTION A-A




RETAINING WALL DRAIN OUTFALL
NOT TO SCALE



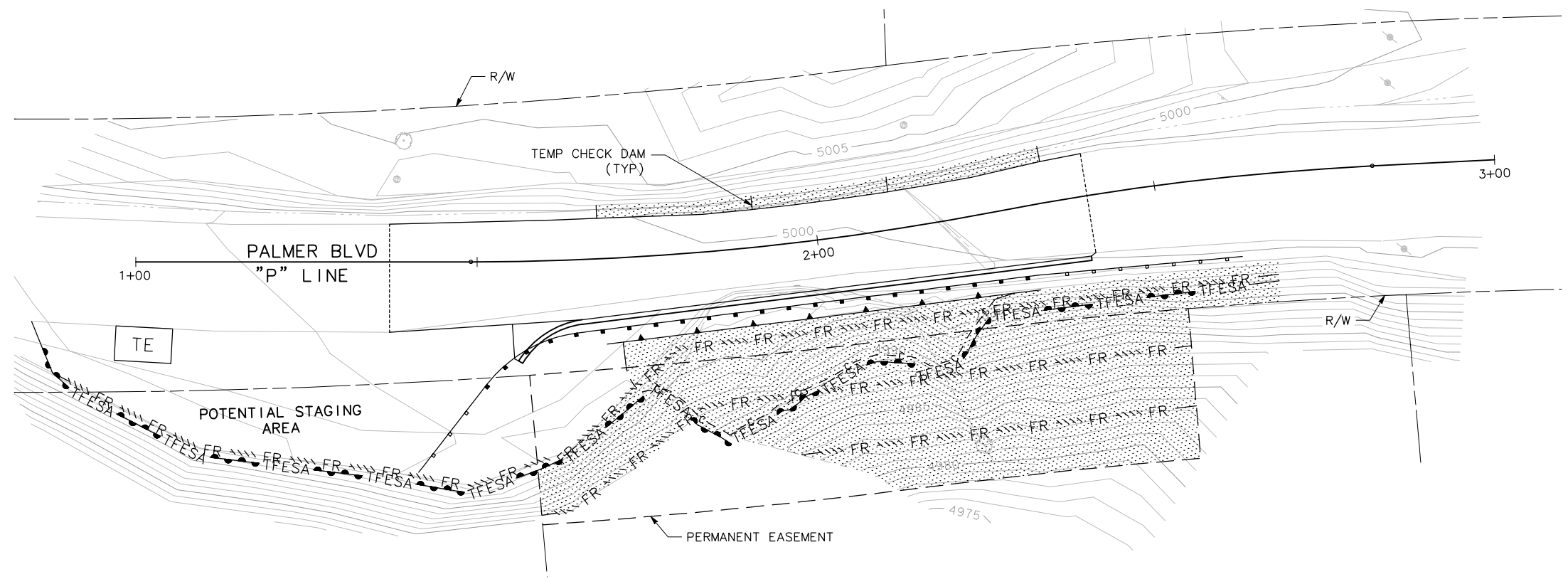
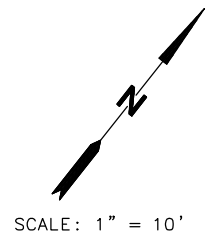
SECTION B-B



<div>BAR IS ONE INCH ON ORIGINAL DRAWING</div> <div>IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY</div>	ROAD NAME: PALMER BOULEVARD		 MARK THOMAS		COUNTY OF HUMBOLDT	SHEET 6 OF 13
	ROAD NO: 3H065		MILE POST: 0.33		DEPARTMENT OF PUBLIC WORKS	
	PROJECT NO.: FEMA-4434-DR-CA P#-208		EA NO.:		PALMER BLVD STORM DAMAGE (PM 0.33)	
	CONTRACT NO.: 219311		BRIDGE NO: N/A		EROSION CONTROL	
	DRAWING FILE NAME:		DESIGNED BY: SK			
	PLOT DATE: 10/09/2025		REVISION DATE:		DRAWN BY: JA	
			APPROVED BY: EM		REVIEWED BY: GH	

- 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

- LEGEND:**
- DRY SEED AND STRAW
 - FR — FIBER ROLLS
 - TFESA — TEMP REINFORCED SILT FENCE
 - CD — TEMP CHECK DAM
 - TE — TEMP CONSTRUCTION ENTRANCE



NOTES:

1. SEE DRAINAGE AND UTILITY PLAN FOR ANY PERMANENT STORM DRAIN/UTILITIES NOT SHOWN ON THESE PLANS.

LEGEND

- TEMPORARY CHANNELIZERS
- TEMPORARY RAILING (TYPE K)
- TEMPORARY 12" WHITE LIMIT LINE
- CONSTRUCTION AREA SIGN SINGLE POST
- TRAVEL DIRECTION(S)
- TEMPORARY CRASH CUSHION (ARRAY 'TL-2')
- STOP
- TEMPORARY STOP MARKING

CONSTRUCTION STAGE 1:

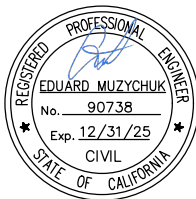
- PAINT TEMP 12" WIDE WHITE LIMIT LINE, EACH DIRECTION. PLACE ADVANCED WARNING CONSTRUCTION AREA SIGNS AS SHOWN.
- CONSTRUCT SOLDIER PILE WALL AND RETAINING WALL DRAIN OUTFALL.
- CONSTRUCT ROADWAY AND RSP PAD.

CONSTRUCTION STAGE 2:

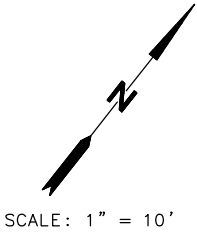
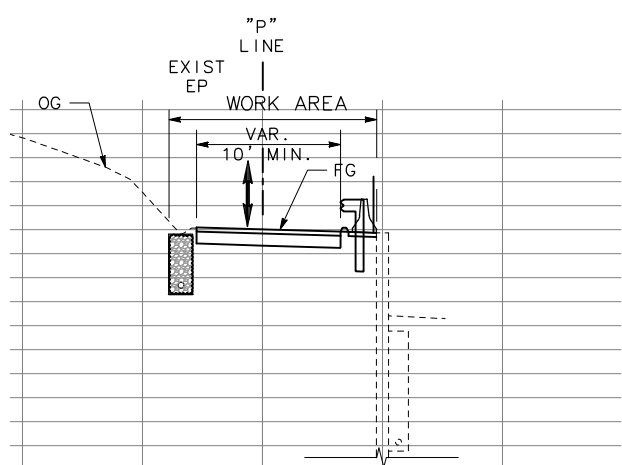
- CONSTRUCT UNDERDRAIN
- RECONSTRUCT ROADWAY
- INSTALL MGS, CABLE RAILING, AND DIKE

TRAFFIC CONTROL

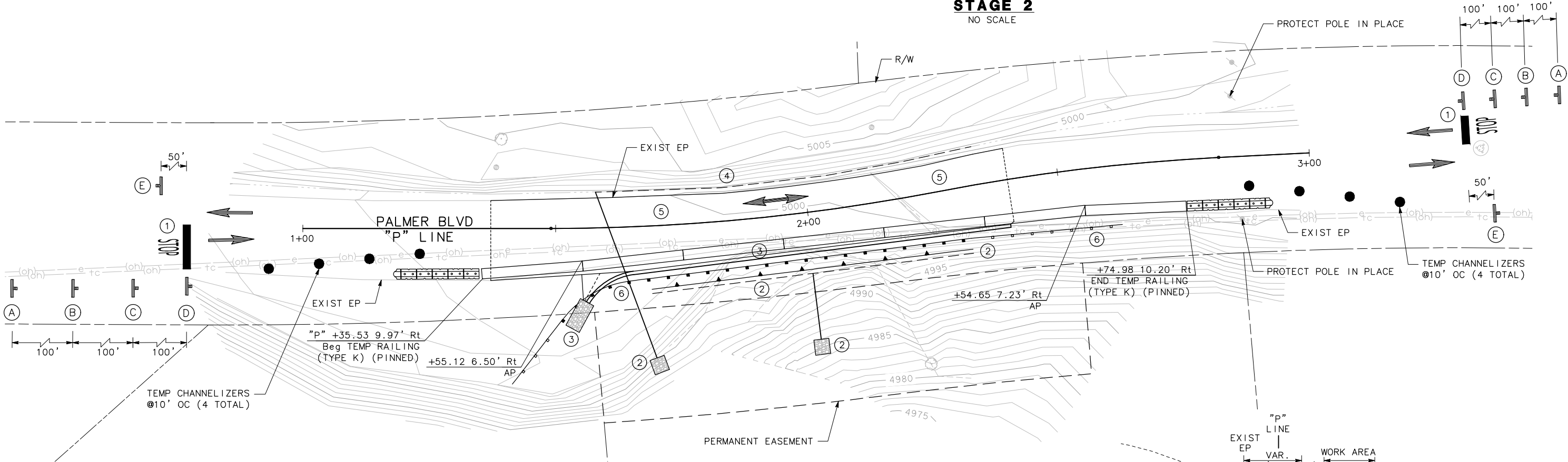
- ALLOW SINGLE-LANE CONTROLLED TRAFFIC AND PERIODIC TEMPORARY ROAD CLOSURES DURING CONSTRUCTION.
- PROVIDE MINIMUM NOTICE OF 2 WEEKS PRIOR TO CLOSURES LONGER THAN 15 MINUTES.



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

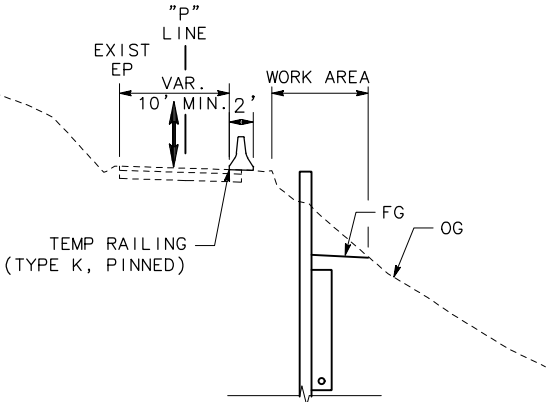


STAGE 2
NO SCALE



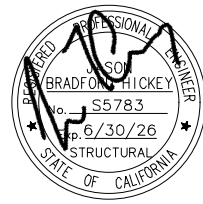
CONSTRUCTION AREA SIGNS


SIGN LETTER	SIGN CODE	SIGN MESSAGE
A	W20-1	ROAD WORK AHEAD
B	W20-4	ONE LANE ROAD AHEAD
	W13-1P	20 MPH
C	W3-1	STOP AHEAD
D	R1-1	STOP
E	G20-2	END ROAD WORK

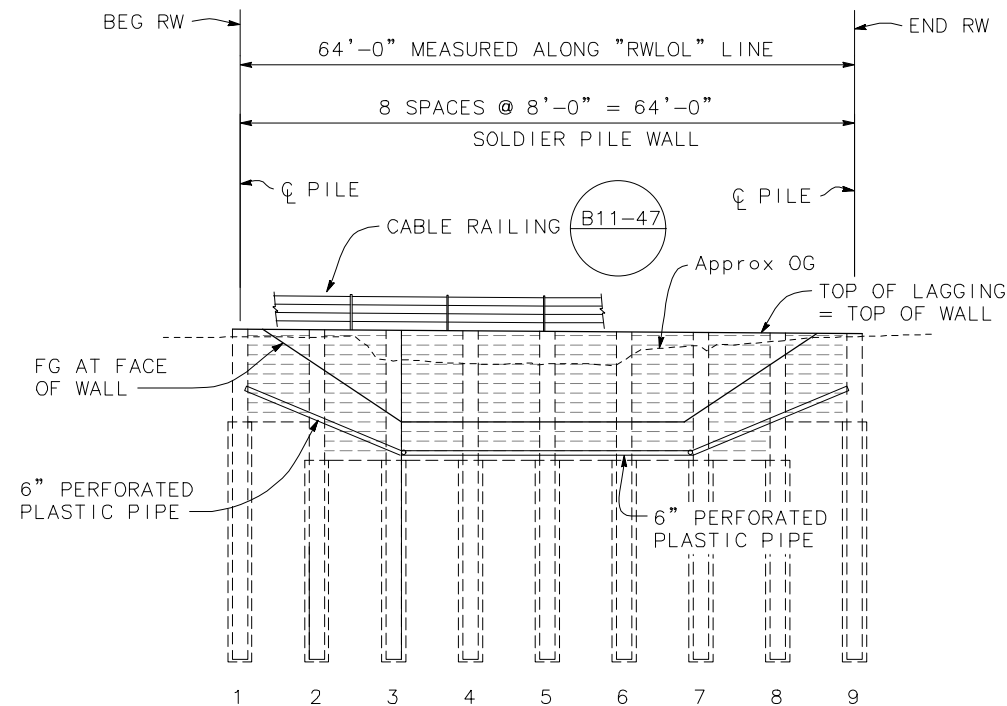


STAGE 1
NO SCALE

SC-1



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: PALMER BOULEVARD		 MARK THOMAS	COUNTY OF HUMBOLDT		SHEET 8 OF 13
				DEPARTMENT OF PUBLIC WORKS		
				HUMBOLDT-ON CALL ENG/ENV SERVICES		
				GENERAL PLAN		
	ROAD NO: 3H065	MILE POST: 0.33		DESIGNED BY: JS		
	PROJECT NO.: FEMA-4434-DR-CA PIW-208	EA NO.:		DRAWN BY: ASM		
	CONTRACT NO.: 219311	BRIDGE NO: N/A		REVIEWED BY: JH		
	DRAWING FILE NAME:			APPROVED BY: JH		
	PLOT DATE: 10/09/2025	REVISION DATE:				

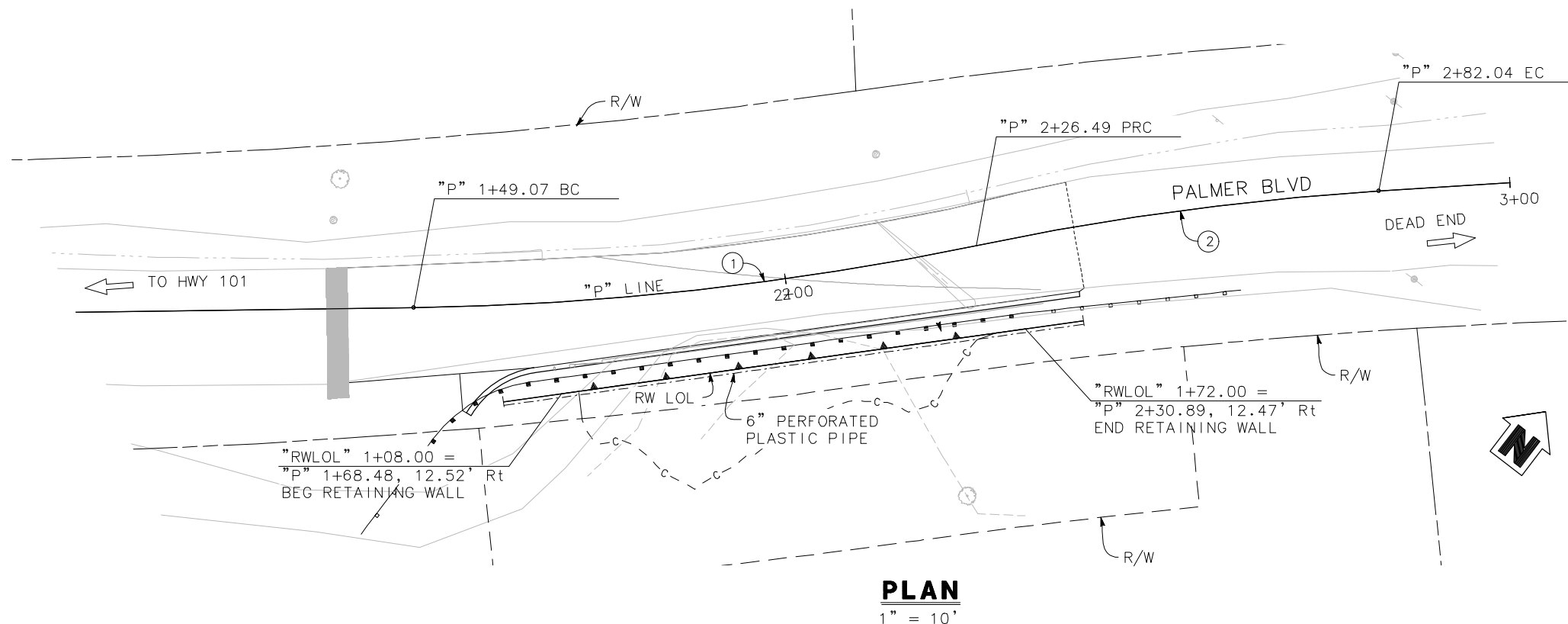


QUANTITIES

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

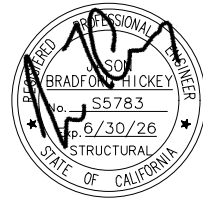




CURVE TABLE

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:

- For MGS, see "ROADWAY PLANS"
- For 6"Ø plastic pipe outfall, see "ROADWAY PLANS"
- For "TYPICAL SECTION," see "TYPICAL SECTION" Sheet



BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: PALMER BOULEVARD		 MARK THOMAS DESIGNED BY: JS DRAWN BY: ASM REVIEWED BY: JH APPROVED BY: JH	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 9 OF 13
	ROAD NO: 3H065	MILE POST: 0.33		HUMBOLDT-ON CALL ENG/ENV SERVICES	
	PROJECT NO.: FEMA-4434-DR-CA PIW-208	EA NO.:		GENERAL NOTES	
	CONTRACT NO.: 219311	BRIDGE NO: N/A			
	DRAWING FILE NAME:				
	PLOT DATE: 10/09/2025	REVISION DATE:			

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/ft ³
Friction Angle = 43°
Active Pressure coefficient, Ka = 0.336

SEISMIC
PARAMETERS:
Seismic Active Earth Pressure = 59 lb/ft ³

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

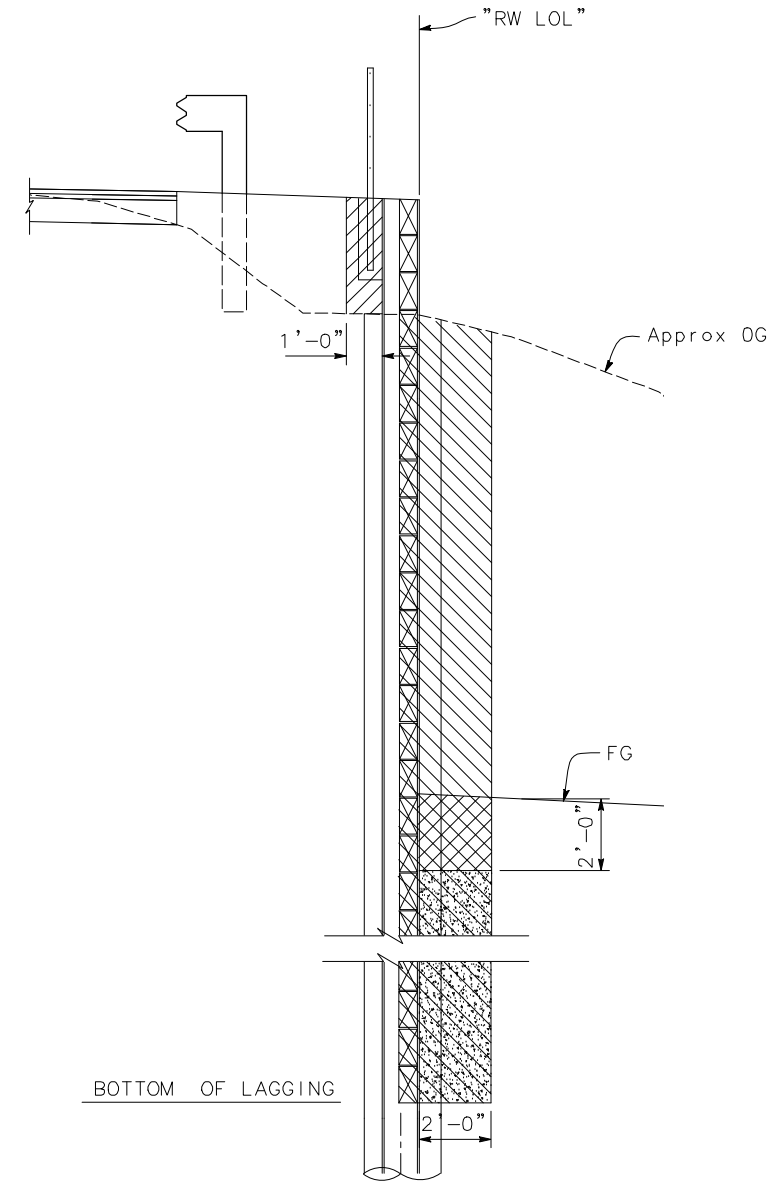
STRUCTURAL
TIMBER: Treated Douglas Fir, Grade No. 1 or better
Timber to be full sawn.

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






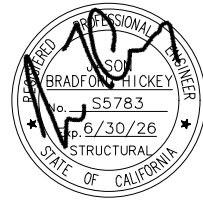
NOTES:
1. For limits of payments for roadway excavation, see "ROADWAY PLANS"



STRUCTURE BACKFILL AND EXCAVATION

NO SCALE

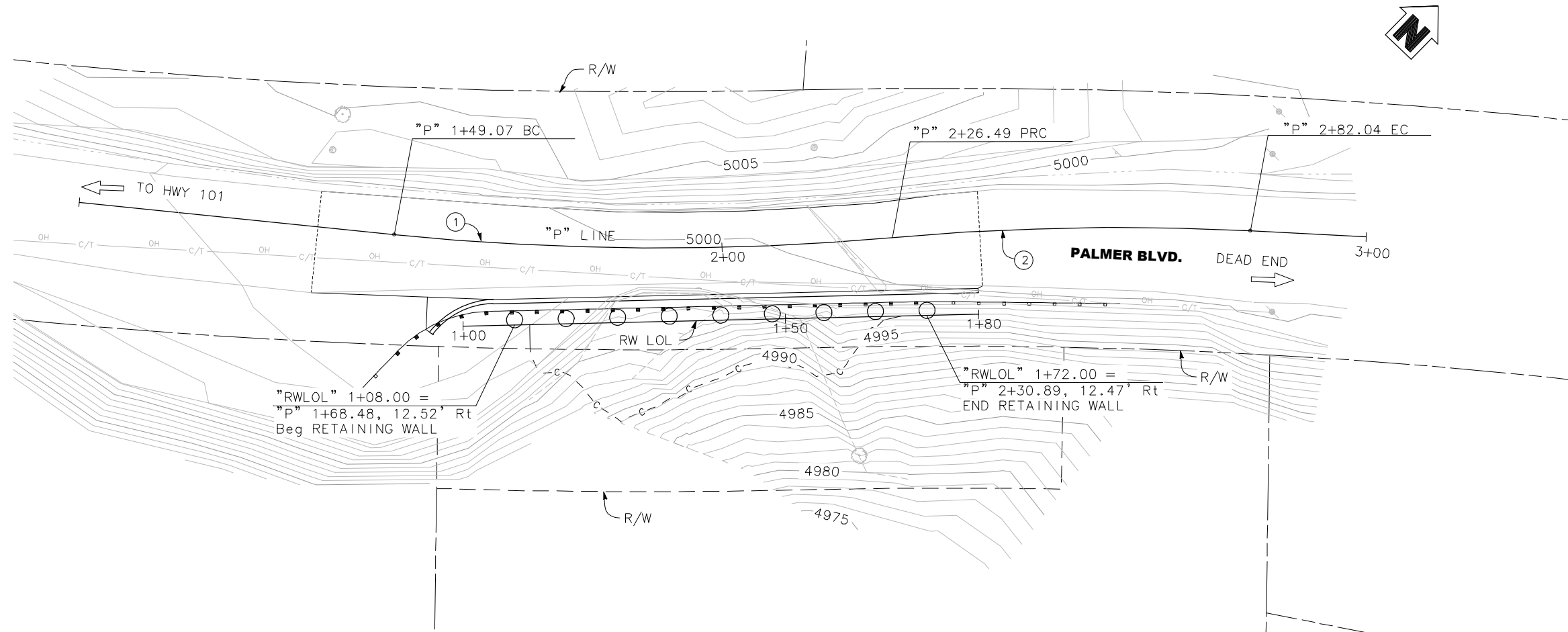
-  Indicates Structure Excavation, Soldier Pile Wall
-  Indicates Structure Backfill, Soldier Pile Wall
-  Indicates Permeable Material Class 1



BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: PALMER BOULEVARD		MARK THOMAS	COUNTY OF HUMBOLDT		SHEET 10 OF 13
ROAD NO: 3H065			DEPARTMENT OF PUBLIC WORKS		
PROJECT NO.: FEMA-4434-DR-CA PIW-208			HUMBOLDT-ON CALL ENG/ENV SERVICES		
CONTRACT NO.: 219311			EA NO.:	DESIGNED BY: JS	FOUNDATION PLAN
DRAWING FILE NAME:		BRIDGE NO: N/A	DRAWN BY: ASM		
PLOT DATE: 10/09/2025		REVISION DATE:	REVIEWED BY: JH		
			APPROVED BY: JH		

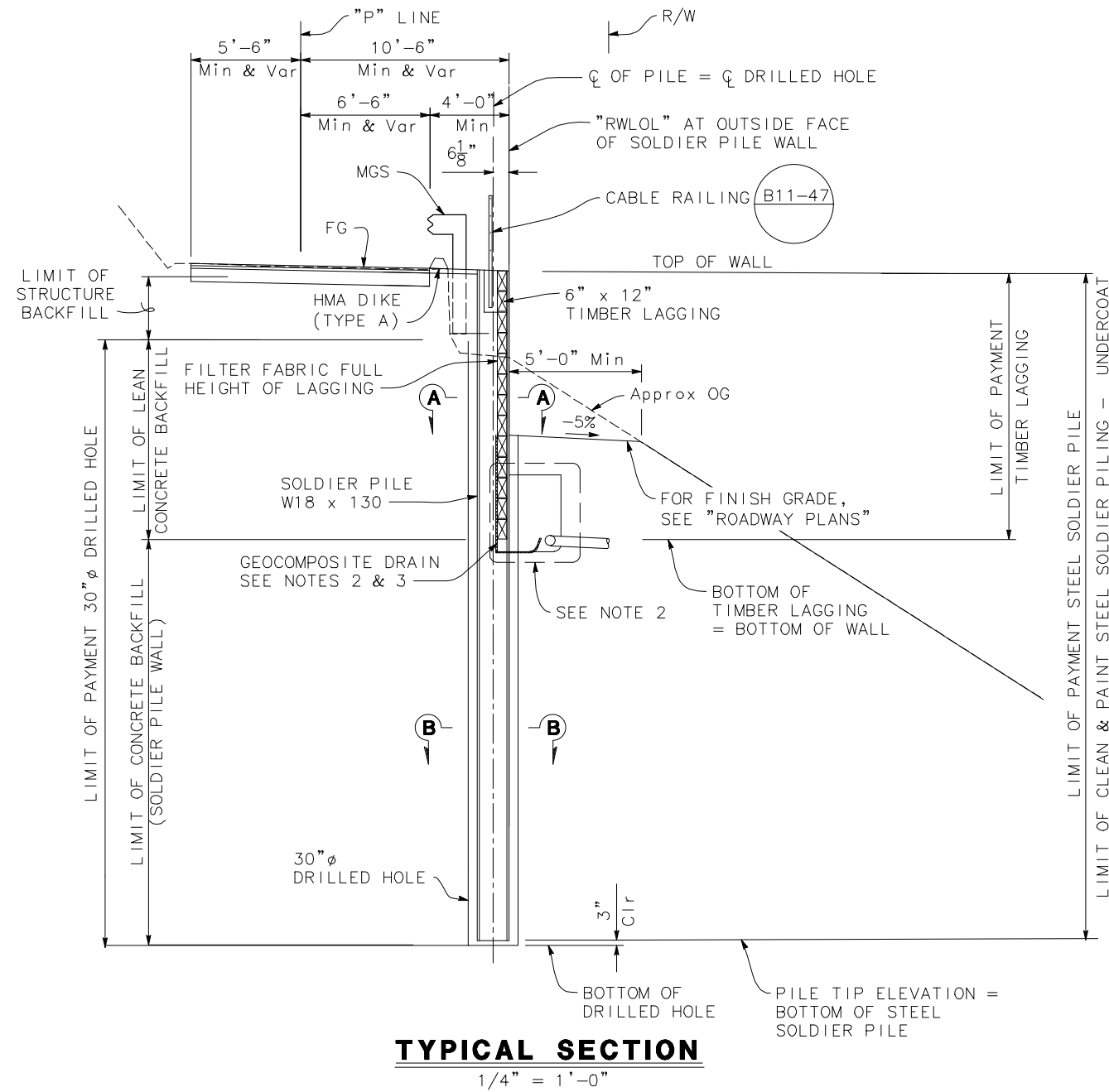
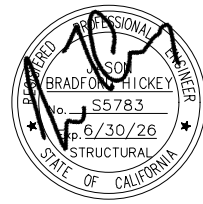


PLAN
1" = 10'

LEGEND

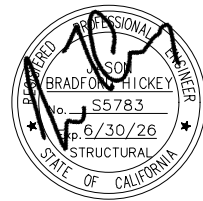
○ - 30 inch diameter drilled hole

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'

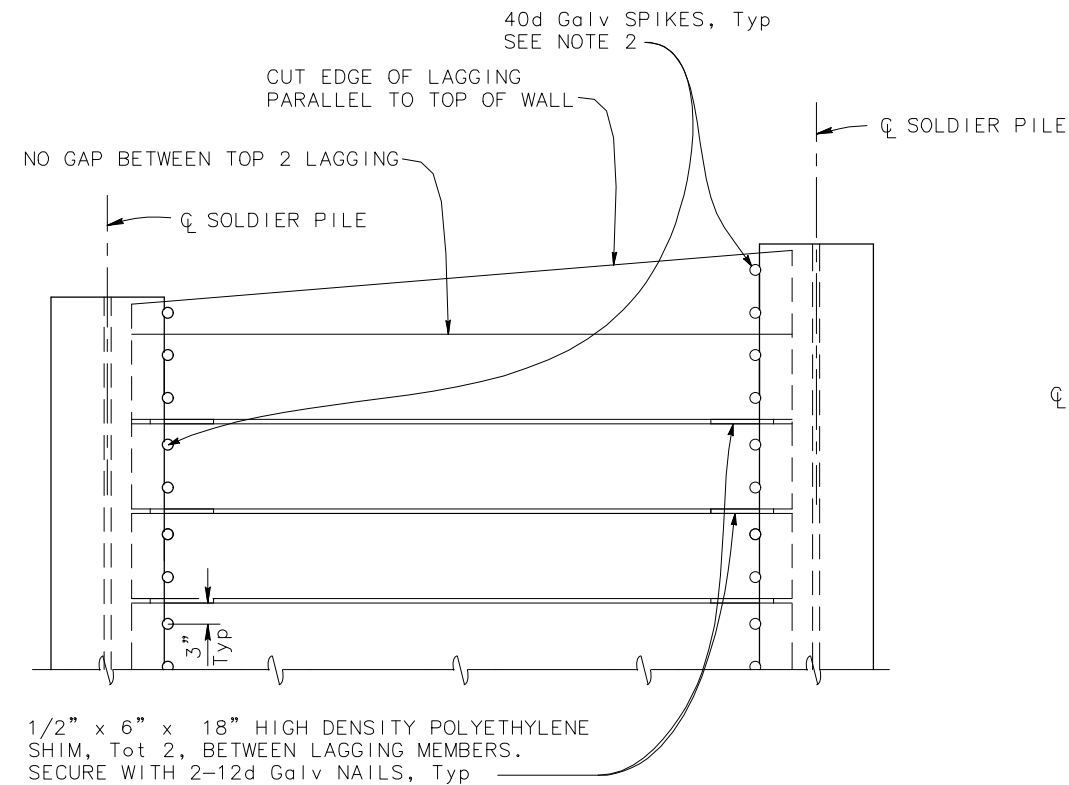


PILE DATA TABLE				
PILE NUMBER	"RWLOL" LINE STATION	TOP OF WALL ELEVATION	BOTTOM OF LAGGING ELEVATION	PILE TIP ELEVATION
		(ft)	(ft)	(ft)
1	1+08.00	4999.41	4989.75	4965.0
2	1+16.00	4999.35	4985.75	4965.0
3	1+24.00	4999.29	4985.75	4965.0
4	1+32.00	4999.23	4985.75	4965.0
5	1+40.00	4999.17	4985.75	4965.0
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

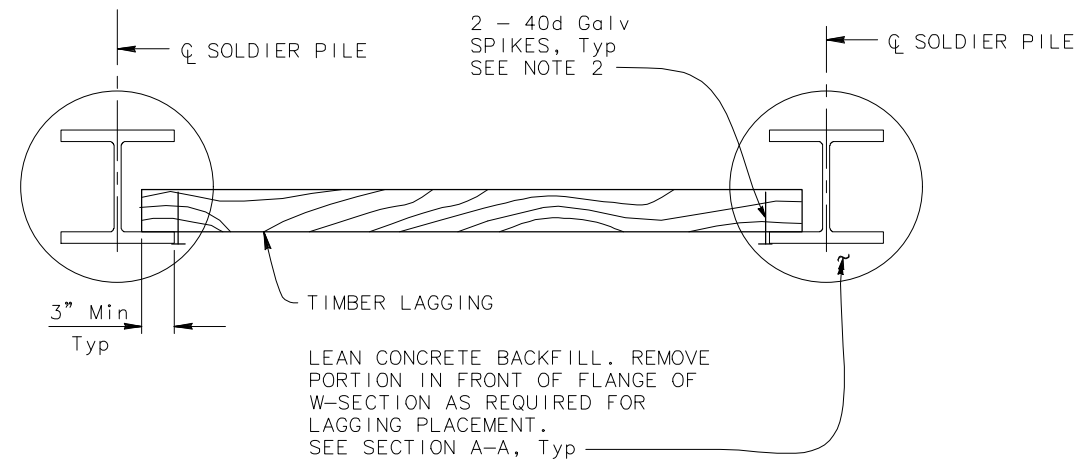
- NOTES:
- For "SECTION A-A" and "SECTION B-B", see "SOLDIER PILE WALL LAGGING DETAILS" sheet.
 - FOR "WALL DRAIN DETAIL", SEE "SOLDIER PILE WALL DETAILS NO. 1" SHEET.
 - CONTINUE GEOCOMPOSITE DRAIN UNDER TIMBER LAGGING INTO PERMEABLE MATERIAL



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: PALMER BOULEVARD		MARK THOMAS DESIGNED BY: JS DRAWN BY: ASM REVIEWED BY: JH APPROVED BY: JH	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS HUMBOLDT-ON CALL ENG/ENV SERVICES	SHEET 12 OF 13
	ROAD NO: 3H065	MILE POST: 0.33			
	PROJECT NO.: FEMA-4434-DR-CA P1W-208	EA NO.:			
	CONTRACT NO.: 219311	BRIDGE NO: N/A			
	DRAWING FILE NAME:				
	PLOT DATE: 10/09/2025	REVISION DATE:			

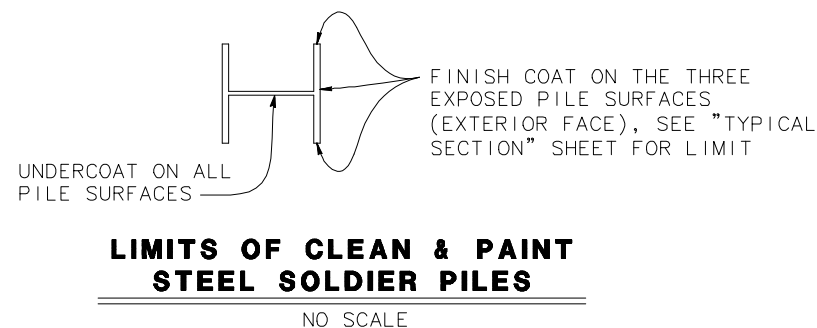
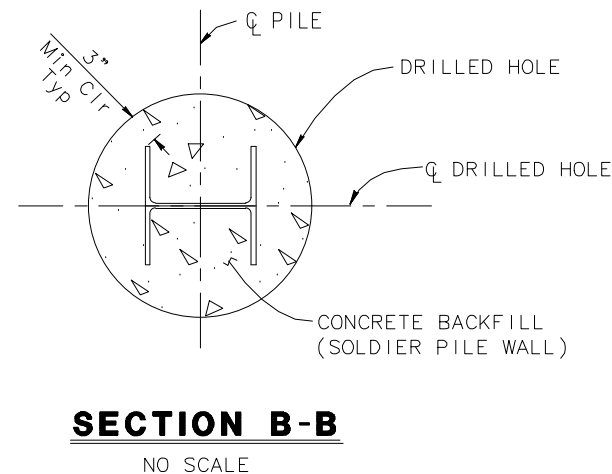
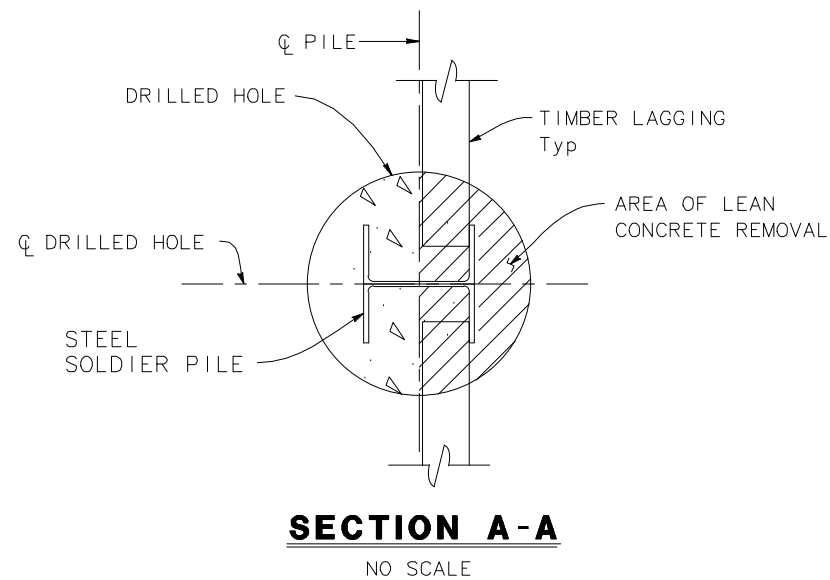


**PART ELEVATION
LAGGING DETAILS**
NO SCALE

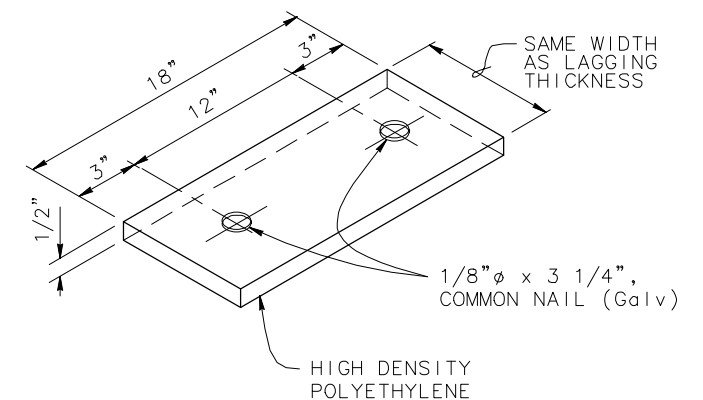


PART PLAN OF TIMBER LAGGING MEMBER
NO SCALE

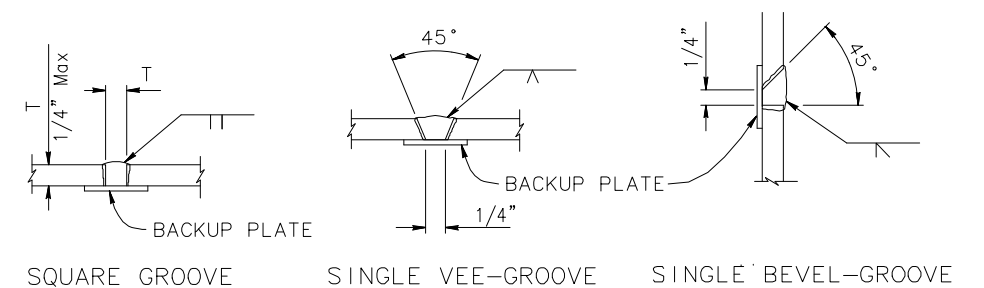
- NOTES:
1. No clipping of timber lagging corners allowed. Lagging corners may be chamfered to facilitate placement. Max 2 corner per lagging
 2. Spikes shall not be bent



- NOTES:
1. FINISH COAT TO BE FEDERAL STANDARD 595 30097 PAINT

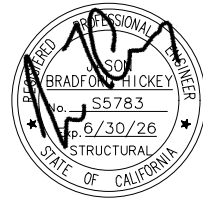


SHIM DETAIL
NO SCALE



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

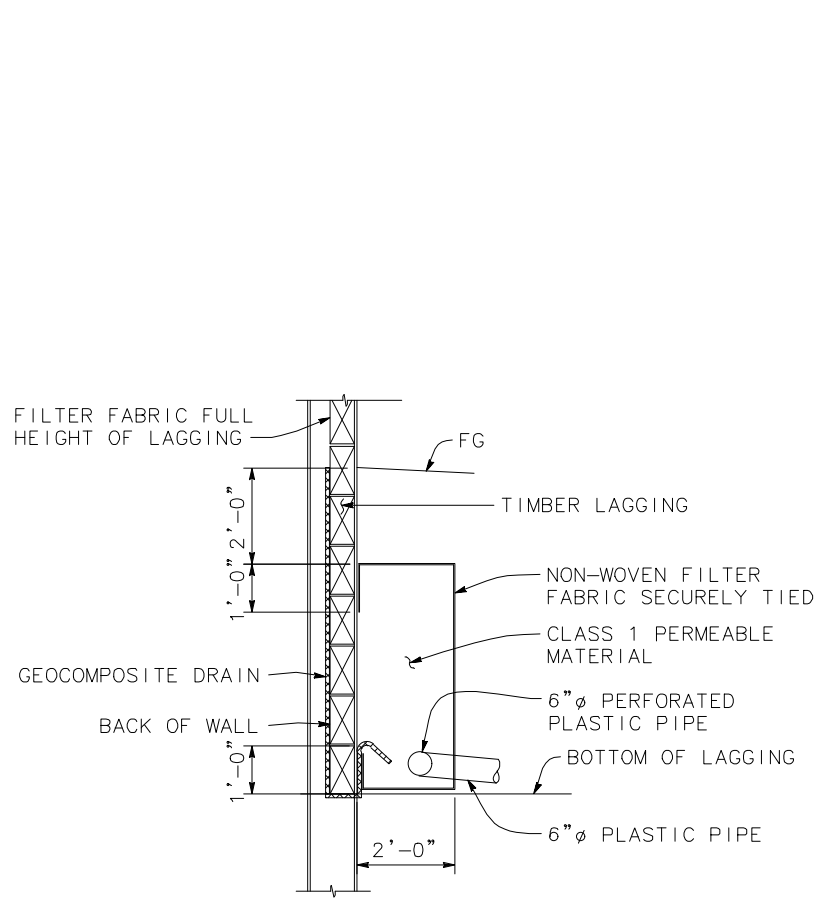
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: PALMER BOULEVARD		MARK THOMAS
ROAD NO: 3H065	MILE POST: 0.33	
PROJECT NO.: FEMA-4434-DR-CA P1W-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

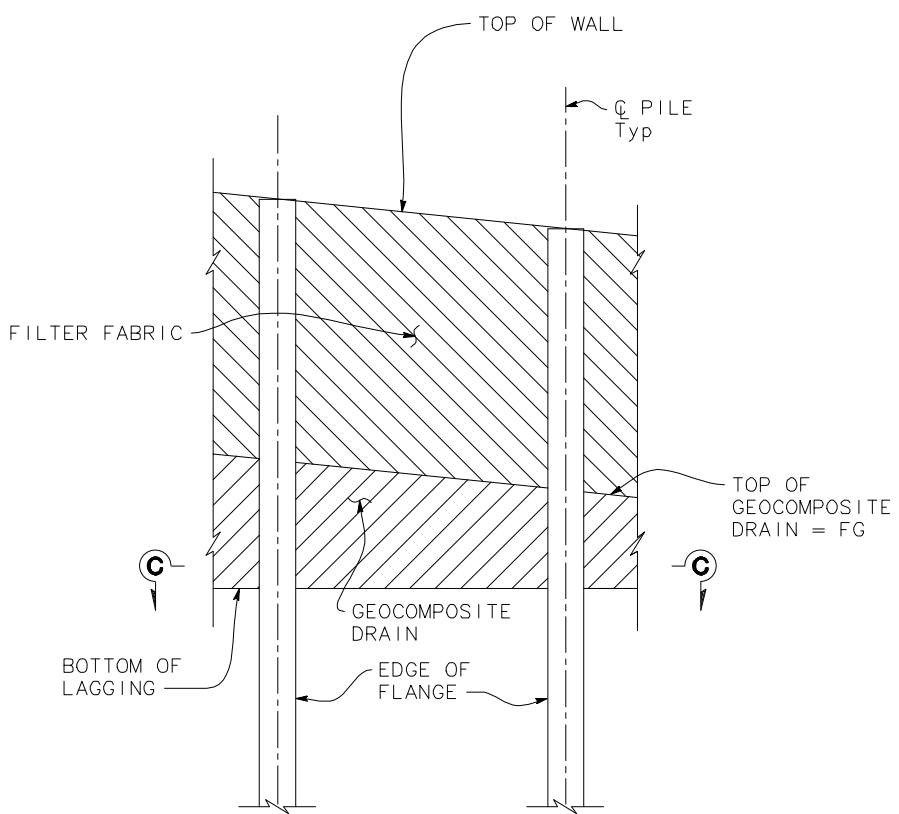
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
HUMBOLDT-ON CALL ENG/ENV SERVICES
SOLDIER PILE WALL DETAILS NO. 1

SHEET
13
OF
13

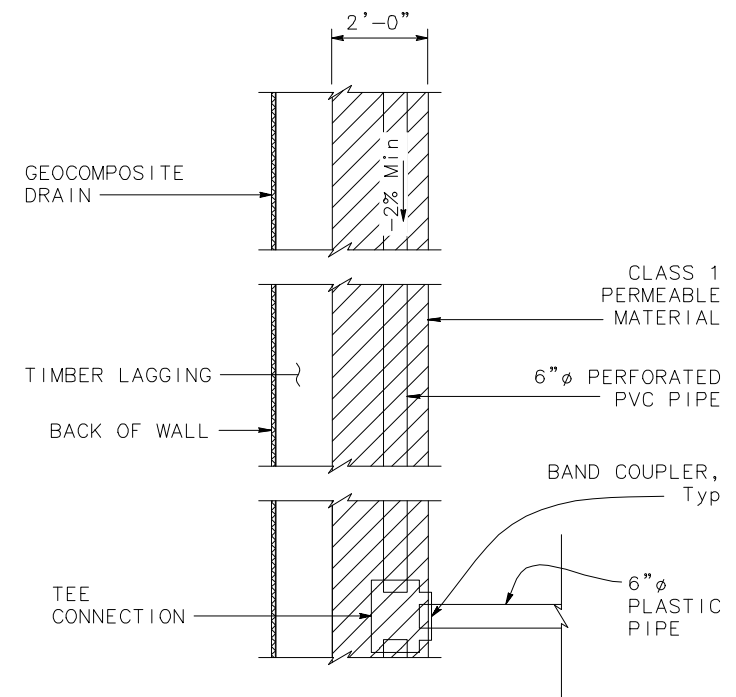
- NOTES:
- Geocomposite drain strip per Section 96 Geosynthetics of the Standard Specifications
 - Place plastic pipe 6" minimum from bottom of lagging.



WALL DRAIN DETAIL
NO SCALE



PART ELEVATION DRAIN AT SOLDIER PILE WALL
NO SCALE



SECTION C-C
NO SCALE