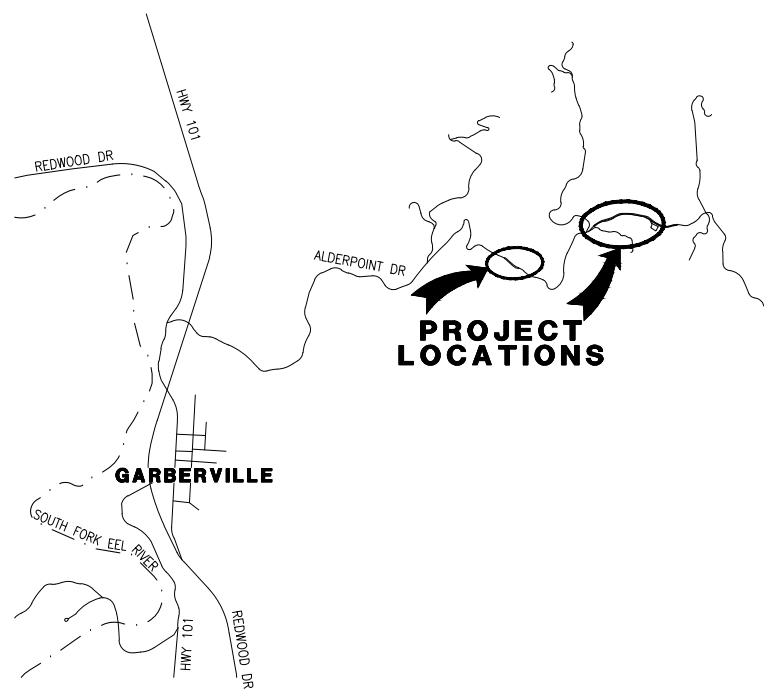


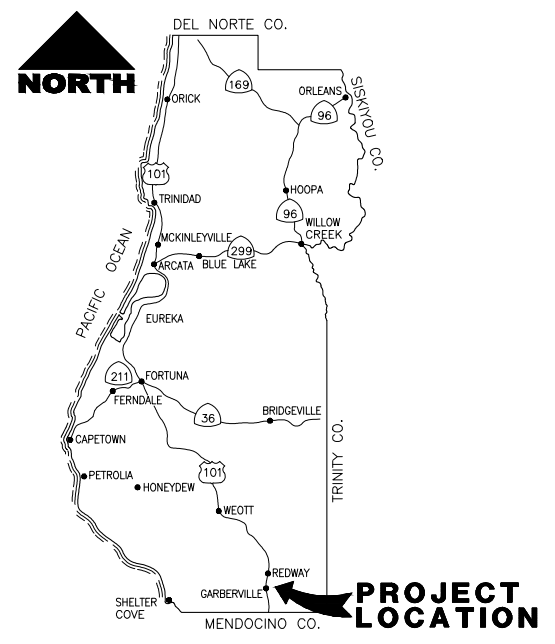
BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	MARK THOMAS
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: F6B165	DESIGNED BY: CM
	PROJECT NO.: ER32LO(268/270/271)	EA NO.:
	CONTRACT NO.: 217245/217247	BRIDGE NO: N/A
	DRAWING FILE NAME:	REVIEWED BY: KD
	PLOT DATE: APRIL 2023	APPROVED BY: EM
	REVISION DATE:	



VICINITY MAP
NOT TO SCALE

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS PROJECT PLANS FOR CONSTRUCTION OF STORM DAMAGE REPAIRS ON ALDERPOINT ROAD [F6B165] AT P.M. 2.10, 2.70 AND 2.98 PROJECT NO. ER32LO(268), ER32LO(270) AND ER32LO(271) CONTRACT NO. 217245, 217247 AND 217248

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
STANDARD PLANS, STANDARD SPECIFICATIONS, AND LATEST REVISED 2022 STANDARD SPECIFICATIONS



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

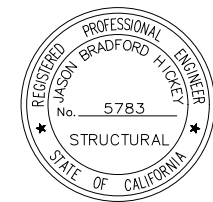
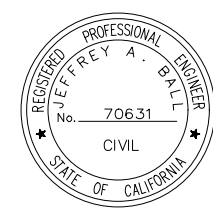
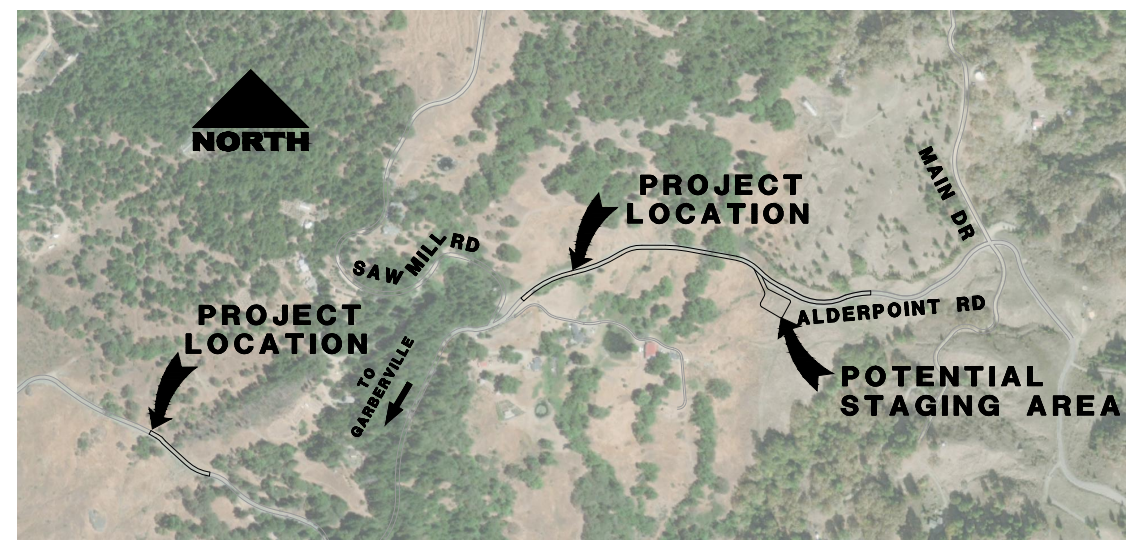
- 1 TITLE SHEET
- 2 QUANTITY SUMMARY SHEET
- PM 2.10
- 3 TRAFFIC CONTROL PLAN, STAGING & STOCKPILE LOCATIONS, PROJECT QUANTITIES AND ALIGNMENT DATA
- 4 SURVEY CONTROL
- 5 TYPICAL SECTIONS & GABION WALL PROFILE
- 6 ALDERPOINT ROAD PLAN AND PROFILE
- 7 EROSION CONTROL AND CULVERT HEADWALL DETAILS
- 8-10 ALDERPOINT ROAD SECTIONS
- PM 2.70 AND PM 2.98
- 11 PROJECT CONTROL
- 12-15 TYPICAL CROSS SECTIONS
- 16-19 LAYOUT
- 20-23 PROFILE AND SUPERELEVATION
- 24-27 DRAINAGE AND UTILITY PLAN
- 28-30 DRAINAGE DETAILS
- 31-34 EROSION CONTROL PLAN
- 35-38 STAGE CONSTRUCTION
- 39-42 SIGNING AND STRIPING

NOTES

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: 40.114594
LONGITUDE: -123.762078

GEOTECH REPORT

JUNE 3, 2022
CRAWFORD & ASSOCIATES, INC.
FOR ALDERPOINT ROAD PM 2.7/2.98



APPROVED BY:
Tony Seghetti
TONY SEGHETTI, PCE 65714
COUNTY OF HUMBOLDT
PUBLIC WORKS DEPUTY DIRECTOR
5/1/2023
DATE

Jeff Ball
JEFFREY BALL, PE 70631
4/27/2023
DATE

Jason Hickey
JASON HICKEY, SE 5783
04/19/23
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: ALDERPOINT ROAD
 ROAD NO: F6B165 MILE POST: 2.10, 2.70 AND 2.98
 PROJECT NO.: ER32LO(268/270/271) EA NO.:
 CONTRACT NO.: 217245/217247 BRIDGE NO: N/A
 DRAWING FILE NAME:
 PLOT DATE: APRIL 2023 REVISION DATE:

MARK THOMAS

DESIGNED BY: CM
 DRAWN BY: CM/FL
 REVIEWED BY: KD
 APPROVED BY: EM

**COUNTY OF HUMBOLDT
 DEPARTMENT OF PUBLIC WORKS**

ALDERPOINT RD STORM DAMAGE (PM 2.70)

QUANTITY SUMMARY SHEET

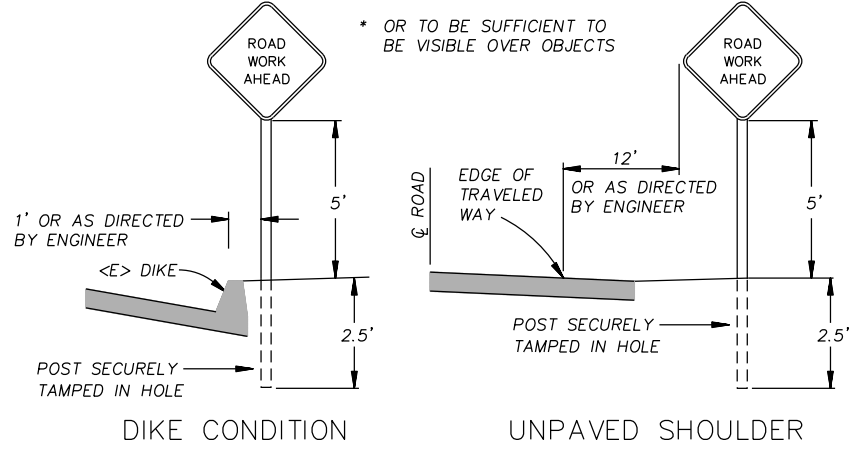
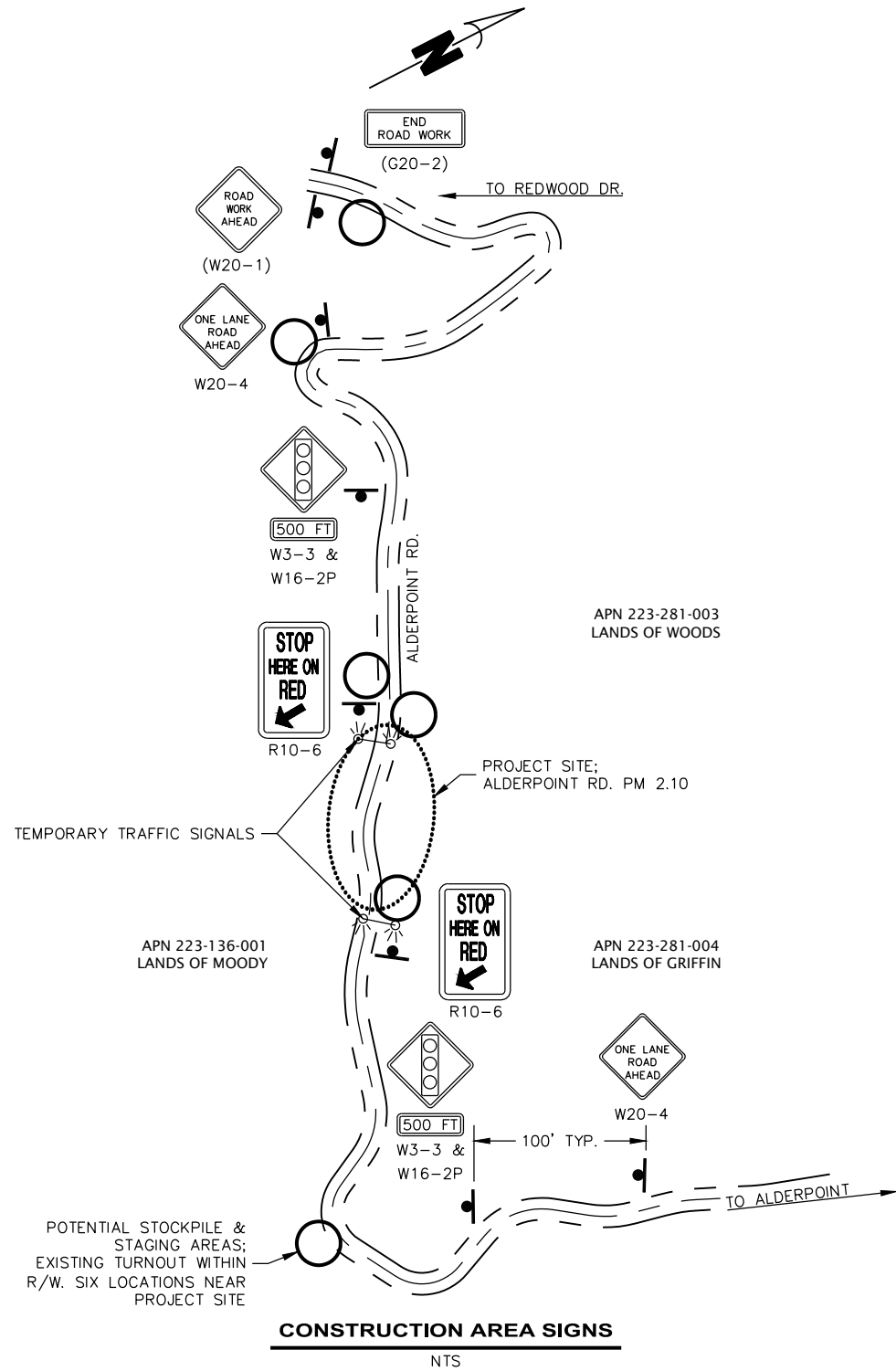
SHEET **2**
 OF
42

QUANTITY SUMMARY							
ITEM No.	BEES ITEM NUMBER	ITEM DESCRIPTION	UNITS	LOCATION			TOTAL
				PM 2.10	PM 2.70	PM 2.98	
1	100100	DEVELOP WATER SUPPLY	LS	0.15	0.7	0.15	1
2	120090	CONSTRUCTION AREA SIGNS	EA	8	6	8	22
3	120100	TRAFFIC CONTROL SYSTEM	LS	0.15	0.7	0.15	1
4	120165	CHANNELIZER (SURFACE MOUNTED)	EA		24	24	48
5	129000	TEMPORARY RAILING (TYPE K)	LF	180	2920	280	3380
6	129100	TEMPORARY CRASH CUSHION (ABSORB-M, TL-2)	EA	2	4	2	8
7	130100	JOB SITE MANAGEMENT	LS	0.15	0.7	0.15	1
8	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	0.15	0.7	0.15	1
9	130310	RAIN EVENT ACTION PLAN	EA	3	14	3	20
10	130320	STORM WATER SAMPLING ANALYSIS DAY	EA	1	4	1	6
11	130330	STORM WATER ANNUAL REPORT	EA	0.15	0.70	0.15	1
12	130610	TEMPORARY CHECK DAM	LF	90		105	195
13	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA		6	1	7
14	130680	TEMPORARY SILT FENCE	LF	430	1260	300	1990
15	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA		2	2	4
16	170103	CLEARING AND GRUBBING	LS	0.15	0.70	0.15	1
17	190101	ROADWAY EXCAVATION	CY	5223	25020	1875	32118
18	190185	SHOULDER BACKING	TON	200	202	64	466
19	192001	STRUCTURE EXCAVATION	CY	720			720
20	198050	EMBANKMENT	CY	520	18930	1250	20700
21	198215	SUBGRADE ENHANCEMENT GEOGRID	SY		32535	1910	34445
22	210212	DRY SEED	SF	8028	66700	9600	84328
23	210350	FIBER ROLL	LF		5110	215	5325
24	210420	STRAW	SF	8028	66700	9600	84328
25	260203	CLASS 2 AGGREGATE BASE	CY	338	1069	209	1616
26	390132	HOT MIX ASPHALT (TYPE A)	TON	171	891	165	1227
27	510092	STRUCTURAL CONCRETE, HEADWALL	CY	6			6
28	520101	8" PLASTIC PIPEBAR REINFORCING STEEL	LB	313			313
29	641XXX	8" PLASTIC PIPE	LF		55		55
30	641113	24" PLASTIC PIPE	LF	60			60
31	665016	18" CORRUGATED STEEL PIPE (0.064" THICK)	LF		387	57	444
32	680902	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	145	2232	220	2597
33	681023	6" PLASTIC PIPE	LF		45	63	108
34	682020	CLASS 1 PERMEABLE MATERIAL	CY		3660	260	3920
35	692307	18" ANCHOR ASSEMBLY	EA		17	3	20
36	692409	CABLE ANCHORAGE ASSEMBLY	EA		4		4
37	700637	36" CORRUGATED STEEL PIPE INLET (0.064" THICK)	LF		39	7	46
38	710102	ABANDON CULVERT (LF)	LF		55		55
39	710130	REMOVE CULVERT (EA)	EA	1			1
40	710136	REMOVE PIPE	LF		279	117	396
41	722020	GABION	CY	240			240
42	723020	ROCK SLOPE PROTECTION (1T, CLASS VIII, METHOD A) (CY)	CY	2120			2120
43	723070	ROCK SLOPE PROTECTION (150 lb, CLASS III, METHOD B) (CY)	CY		70		70
44	723080	ROCK SLOPE PROTECTION (60lb, CLASS II, METHOD B) (CY)	CY	1			1
45	723095	ROCK SLOPE PROTECTION (20 lb, CLASS I, METHOD B) (CY)	CY		15	4	19
46	723110	ROCK SLOPE PROTECTION (1/4 T, CLASS V, METHOD B) (CY)	CY	1			1
47	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SY	292	68	16	376
48	840501	THERMOPLASTIC TRAFFIC STRIPE	LF		2862	575	3437
49	980903	6" NON PERFORATED PLATIC PIPE UNDERDRAIN	LF	22			22
50	999990	MOBILIZATION	LS	0.15	0.7	0.15	1



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10 CONSTRUCTION AREA SIGNS, STAGING & STOCKPILE LOCATIONS, PROJECT QUANTITIES AND ALIGNMENT DATA
	ROAD NO.: 6B165	MILE POST: 2.10	
	PROJECT NO.: ER-3210(268)	DESIGNED BY: RMD	
	CONTRACT NO.: 217245	DRAWN BY: RMD	
	DRAWING FILE NAME: 217245 ALD 2.1	REVIEWED BY: JAB	
	PLOT DATE: 04/26/2023	REVISION DATE:	APPROVED BY: TRS

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RURAL CONSTRUCTION AREA SIGN

- NOT TO SCALE -

NOTES

- 1) SIGNS SHALL BE PLACED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- 2) FINAL PLACEMENT OF SIGNS SHALL BE APPROVED BY RESIDENT ENGINEER.
- 3) ADDITIONAL PORTABLE SIGNS SHALL BE USED AS REQUIRED FOR OTHER ROADSIDE WORK.
- 4) SEE STANDARD PLAN T13 FOR TRAFFIC CONTROL SYSTEM.
- 5) IN ADDITION TO CONSTRUCTION AREA SIGNS AND WHEN DIRECTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGMEN AS NECESSARY TO DIRECT TRAFFIC.
- 6) DISTANCE TO W20-1 AND G20-2 MAY BE EXTENDED TO ENCOMPASS SITES WITHIN ONE MILE OF EACH OTHER.
- 7) KEEP A MINIMUM OF 1 TRAFFIC LANE AT LEAST 10 FEET WIDE OPEN FOR TRAFFIC, EXCEPT THE FULL WIDTH OF THE TRAVELED WAY (18' MINIMUM) MUST BE OPEN WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVE OR AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

'A' LINE ALIGNMENT						
SEGMENT	LENGTH	BEARING/DELTA	RADIUS	TANGENT	START	END
L1	96.30'	S63°06'37"E			STA: 0+00.00 N: 1929142.04 E: 6066259.91	STA: 0+96.30 N: 1929098.49 E: 6066345.80
C1	68.61'	006°33'08"	600.00'	34.34'	STA: 0+96.30 N: 1929098.49 E: 6066345.80	STA: 1+64.91 N: 1929071.02 E: 6066408.63
L2	39.29'	S69°39'45"E			STA: 1+64.91 N: 1929071.02 E: 6066408.63	STA: 2+04.20 N: 1929057.36 E: 6066445.47
C2	60.15'	021°32'26"	160.00'	30.44'	STA: 2+04.20 N: 1929057.36 E: 6066445.47	STA: 2+64.35 N: 1929026.47 E: 6066496.67
L3	144.00'	S48°07'19"E			STA: 2+64.35 N: 1929026.47 E: 6066496.67	STA: 4+08.36 N: 1928930.34 E: 6066603.89
C3	106.30'	016°14'28"	375.00'	53.51'	STA: 4+08.36 N: 1928930.34 E: 6066603.89	STA: 5+14.66 N: 1928871.47 E: 6066691.97
L4	125.02'	S64°21'47"E			STA: 5+14.66 N: 1928871.47 E: 6066691.97	STA: 6+39.68 N: 1928817.38 E: 6066804.25
C4	95.02'	014°31'04"	375.00'	47.77'	STA: 6+39.68 N: 1928817.38 E: 6066804.25	STA: 7+34.69 N: 1928765.91 E: 6066884.25
L5	44.42'	S49°50'43"E			STA: 7+34.69 N: 1928765.91 E: 6066884.25	STA: 7+79.11 N: 1928737.26 E: 6066918.20

'G' LINE ALIGNMENT						
SEGMENT	LENGTH	BEARING/DELTA	RADIUS	TANGENT	START	END
L10	32.00'	S51°13'45"E			STA: -0+32.00 N: 1928960.52 E: 6066529.18	STA: 0+00.00 N: 1928940.48 E: 6066554.12
L11	79.50'	S51°13'45"E			STA: 0+00.00 N: 1928940.48 E: 6066554.12	STA: 0+79.50 N: 1928890.69 E: 6066616.11
L12	64.50'	S58°00'10"E			STA: 0+79.50 N: 1928890.69 E: 6066616.11	STA: 1+44.00 N: 1928856.52 E: 6066670.81
L13	32.00'	S58°00'10"E			STA: 1+44.00 N: 1928856.52 E: 6066670.81	STA: 1+76.00 N: 1928839.56 E: 6066697.95

CONSTRUCTION AREA SIGN SUMMARY

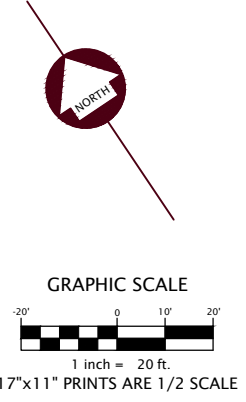
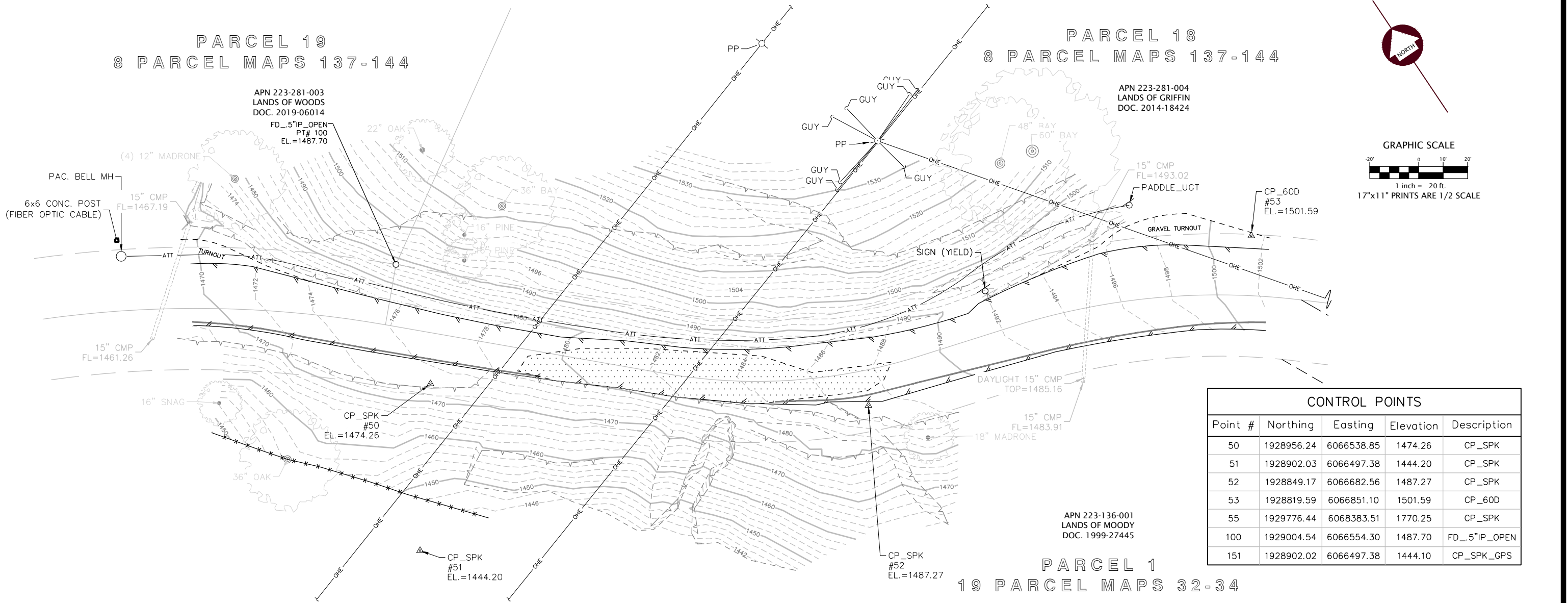
SIGN CODE	QTY	SIGN MESSAGE	PANEL SIZE	POST SIZE & QTY
W20-1	1	ROAD WORK AHEAD	36" x 36"	4" x 4" (1)
W20-4	2	ONE LANE ROAD AHEAD	36" x 36"	4" x 4" (1)
W3-3 & W16-2P	2	SIGNAL AHEAD 500 FEET	36" x 36"	4" x 4" (1)
R10-6	2	STOP HERE ON RED	24" x 36"	4" x 4" (1)
G20-2	1	END ROAD WORK	36" x 18"	4" x 4" (1)

STOCKPILE NOTES- STD PLAN T53

- 1) SHALL HAVE STRAW WADDLES, HAY BALES AND OR SILT FENCE AROUND STOCKPILE (SILT FENCE DETAIL SHOWN).
- 2) SHALL BE COVERED WITH PLASTIC WHEN NOT IN USE AND BE WEIGHTED DOWN WITH SANDBAGS OR EQUIVALENT (AS PER STANDARD PLAN T53).
- 3) IF STOCKPILE AREA IS IN A TURNOUT, THE TURNOUT SHALL BE REESTABLISHED TO PRE-CONSTRUCTION CONDITIONS.
- 4) IF TEMPORARY CULVERTS ARE INSTALLED, THE DITCH LINE SHALL BE RECONSTRUCTED AT THE END OF THE PROJECT.
- 5) STOCKPILE LOCATIONS HAVE BEEN APPROVED BY PUBLIC WORKS AS DETAILED IN THE ENVIRONMENTAL REPORT. ALTERNATIVE SITES MAY BE APPROVED THROUGH PUBLIC WORKS IN WRITING.



ROAD NAME: ALDERPOINT ROAD ROAD NO.: 68165 PROJECT NO.: ER-3210(268) CONTRACT NO.: 217245 DRAWING FILE NAME: 217245_ALD_2.1 PLOT DATE: 04/26/2023	MILE POST: 2.10 DESIGNED BY: RMD DRAWN BY: RMD REVIEWED BY: JAB APPROVED BY: TRS	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 4 OF 42
		STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10	



CONTROL POINTS				
Point #	Northing	Easting	Elevation	Description
50	1928956.24	6066538.85	1474.26	CP_SPK
51	1928902.03	6066497.38	1444.20	CP_SPK
52	1928849.17	6066682.56	1487.27	CP_SPK
53	1928819.59	6066851.10	1501.59	CP_60D
55	1929776.44	6068383.51	1770.25	CP_SPK
100	1929004.54	6066554.30	1487.70	FD_5"IP_OPEN
151	1928902.02	6066497.38	1444.10	CP_SPK_GPS

LEGEND	
	PROPERTY LINES
	RIGHT OF WAY EASEMENT LINES
	DRAINAGE FLOW LINE
	EDGES OF PAVEMENT
	ASPHALT PATCH
	CRACKS IN ASPHALT PAVEMENT
	EDGE OF TRAVELED WAY (DIRT ROAD)
	EXISTING GROUND CONTOURS (TWO FOOT INTERVALS)
	TOP OF SLOPE
	TOE OF SLOPE / GRADE BREAK
	STORM DRAIN CULVERT
	OVERHEAD TELEPHONE LINE
	WATER LINES
	UNDERGROUND FIBER OPTIC CABLE

UNDERGROUND UTILITY NOTE

Underground utilities are shown based on a combination of visible physical evidence and records made available to the surveyor. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities are in the exact locations indicated. The surveyor has not physically located the underground utilities.

Call Underground Service Alert (USA) 1-800-642-2444 a minimum of 48 hours prior to any excavations.

- SURVEY NOTES:**
- The purpose of this survey is to determine topography for an emergency storm damage repair site at Post Mile 2.10 of Alderpoint Road. This survey reflects conditions at the time of survey; field work was performed on September 24 and October 7, 2019.
 - Coordinates for this survey are California Coordinate System of 1983 (CCS83) Zone 1, NAD 83 (2011), Epoch 2010.0 based on a static GPS Control Survey using the NGS OPUS Post Processing Software. The control point identified as Point 50 was held for horizontal positions shown hereon. The mapping angle is 1 degree 09 minutes 27 seconds; rotate bearings hereon counterclockwise by this angle to obtain "True" or Geodetic Bearings. Grid distances shown should be divided by the Combined Scale factor of 0.99990803 to obtain ground distances. Mapping angle and grid scale factor are taken at control point number 50, a 12 inch spike. Elevations are NAVD 88 datum based on OPUS solution utilizing the GEOID 12B model: an elevation of 1474.26' feet was measured at the aforementioned Control Point 50.
 - Contours and spot elevations were obtained by conventional survey techniques. Only trees 12 inch and bigger were located. Tree locations are generally shown at breast height and are approximate due to the fact not all trees are growing vertically.
 - The Right of Way shown is based on the maps recorded in Book 8 of Parcel Maps, pages 137-144 and Book 19 of Parcel Maps, pages 32-34. Alderpoint Road is a fifty foot wide Road with the centerline also being the property line for the two subdivisions. Both maps dedicated "A Maintenance Easement" to extend 10 feet beyond catch points of all cuts and fills. This survey has not attempted to define the limits of the "maintenance easement" dedicated by said maps.
 - Underground utility mapping was not available for this site. The underground telephone line/fiber optic cable shown north of the Alderpoint Road is based on ties to telephone markers- it's exact location is unknown. See Underground Utility Note hereon.

TOPOGRAPHIC SURVEY
 for
County of Humboldt
Alderpoint Road PM 2.10
Project No. 217245
Task Order DPW2017-005-T27
 SECTION 18, T4S, R4E,
 HUMBOLDT MERIDIAN
 IN THE UNINCORPORATED AREA OF GARBERVILLE,
 HUMBOLDT COUNTY, STATE OF CALIFORNIA
 SEPTEMBER 2019

SCALE: 1" = 30' SHEET 1 OF 2

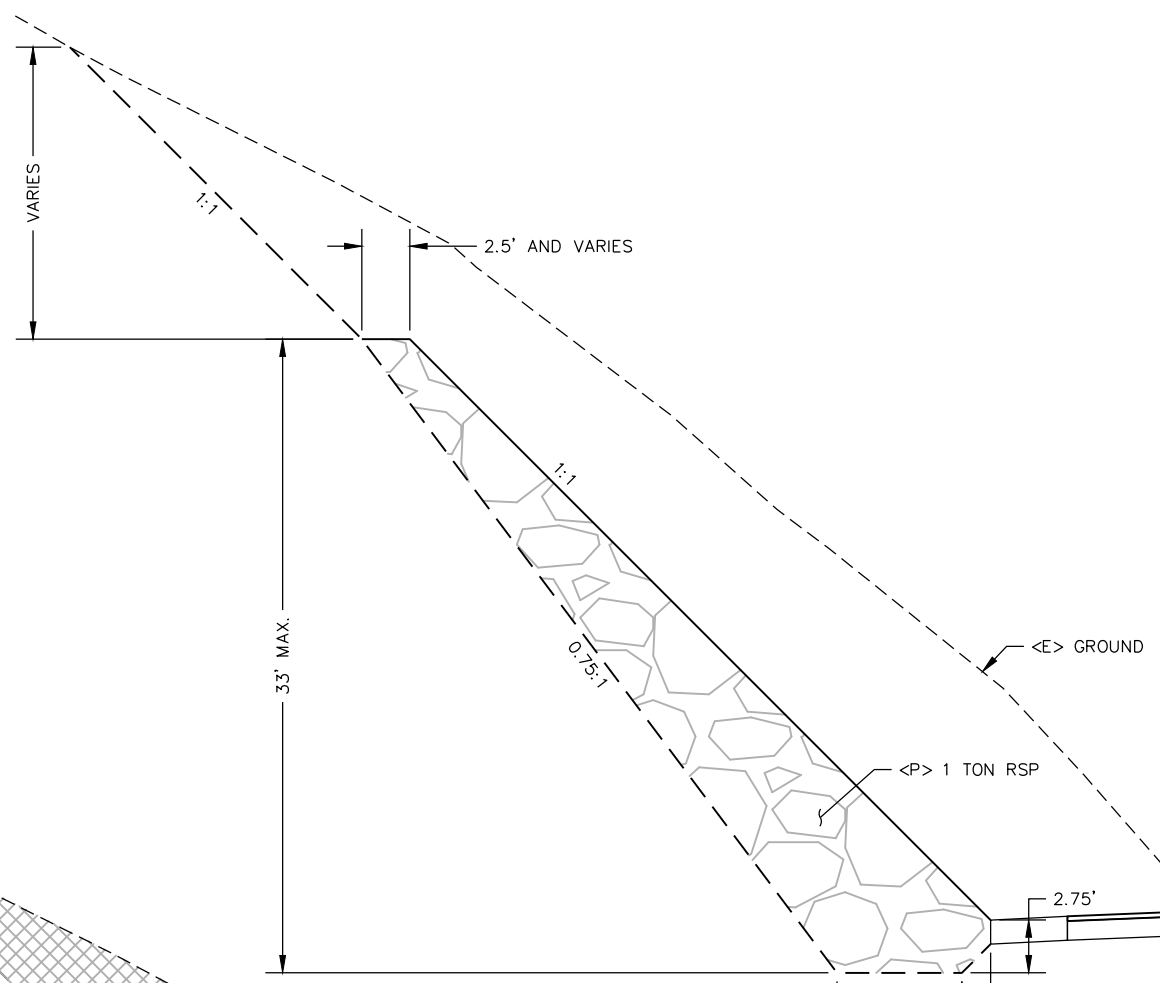
POINTS WEST SURVEYING Co.
 5201 Carlson Park Dr., Suite 3 · Arcata, CA 95521
 707·840·9510 · Phone 707·840·9542 · Fax



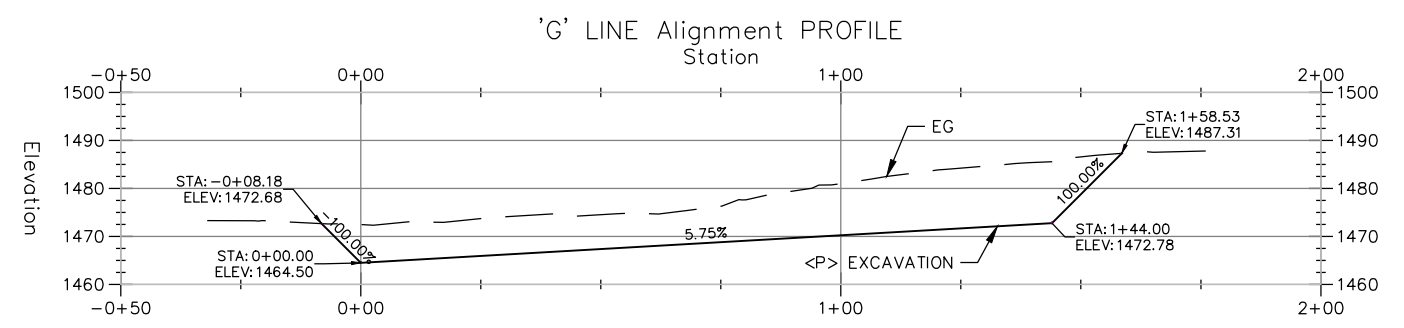
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: 6B165 MILE POST: 2.10	ENGINEERING
	PROJECT NO.: ER-3210(268)	DESIGNED BY: RMD
	CONTRACT NO.: 217245	DRAWN BY: RMD
	DRAWING FILE NAME: 217245 ALD 2.1	REVIEWED BY: JAB
	PLOT DATE: 04/26/2023	APPROVED BY: TRS
	REVISION DATE:	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10
TYPICAL SECTIONS & GABION WALL PROFILE

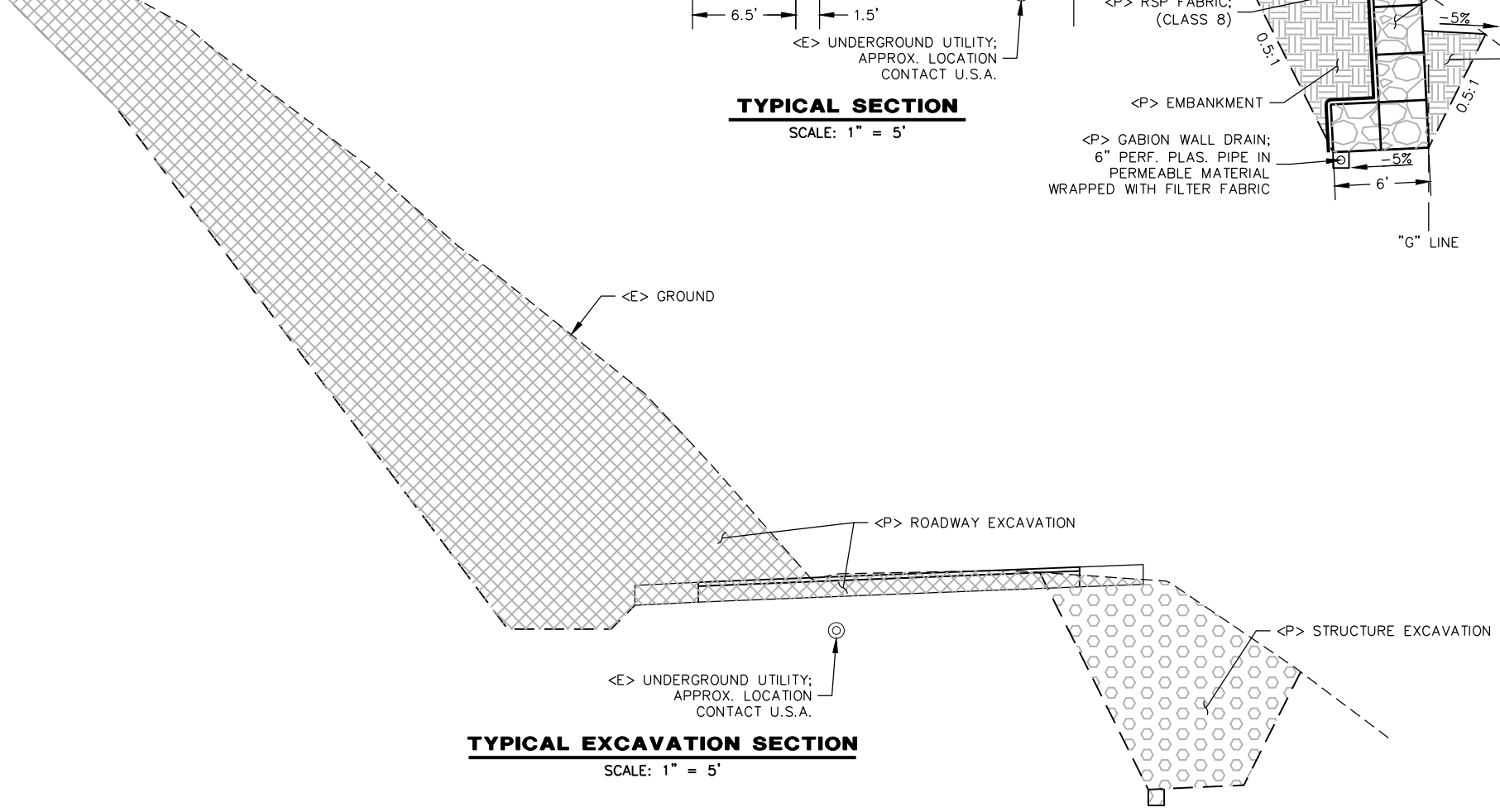
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OF
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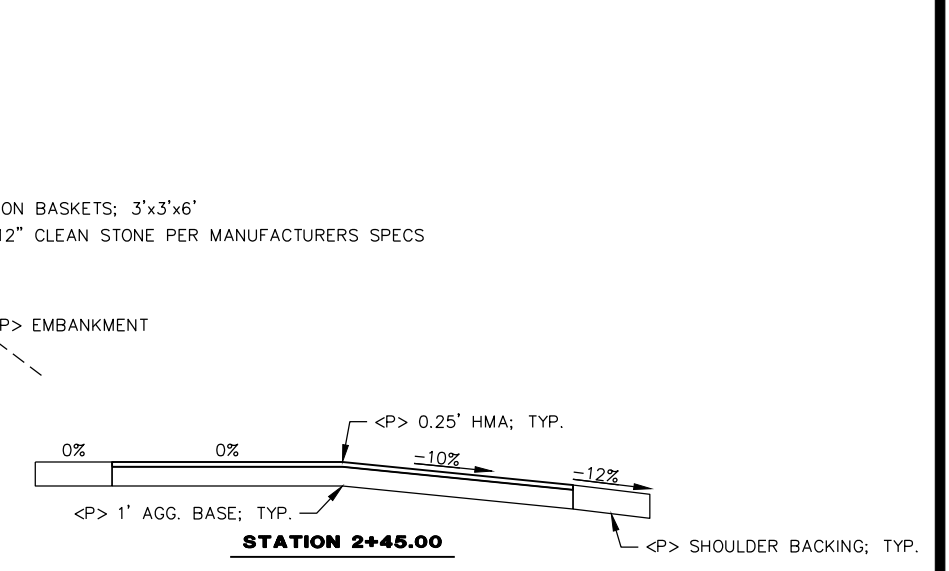
TYPICAL SECTION
SCALE: 1" = 5'



PROFILE VIEW
SCALE: 1"=20'(H,V)



TYPICAL EXCAVATION SECTION
SCALE: 1" = 5'



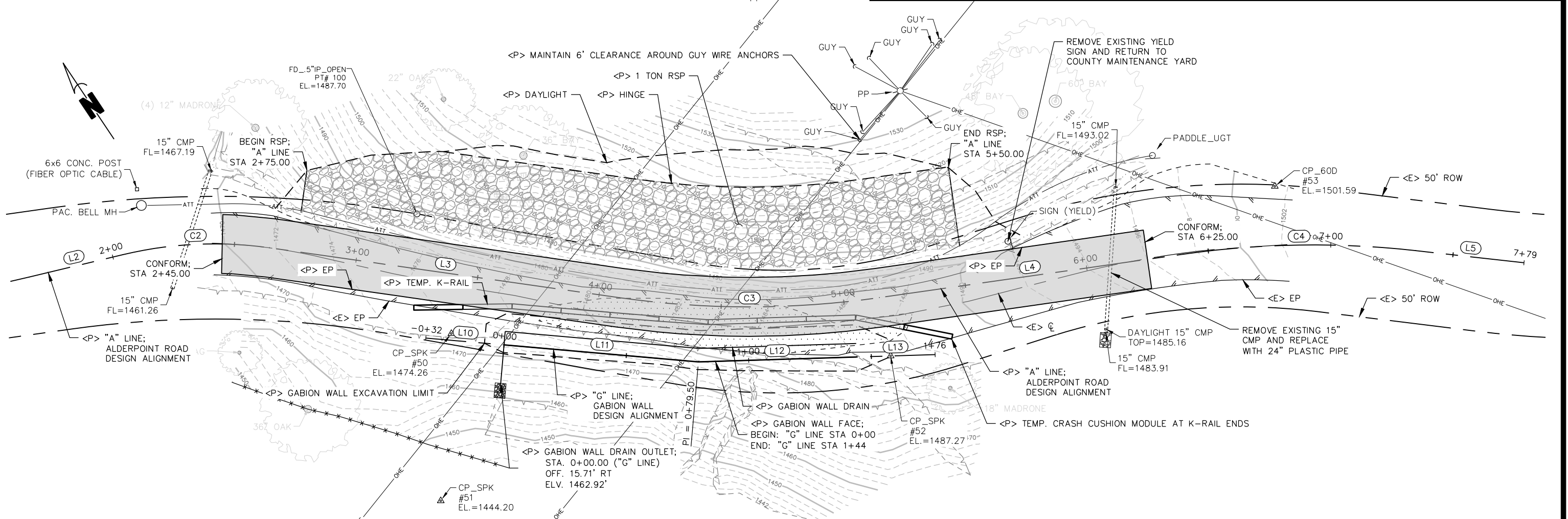
TYPICAL ROADWAY SECTIONS
SCALE: 1" = 5'

- NOTE:
- UNDERGROUND UTILITIES EXIST IN PROJECT VICINITY. CONTACT U.S.A. PRIOR TO ANY AND ALL EXCAVATION.
 - SEE SHEET 2 FOR ALIGNMENT DATA



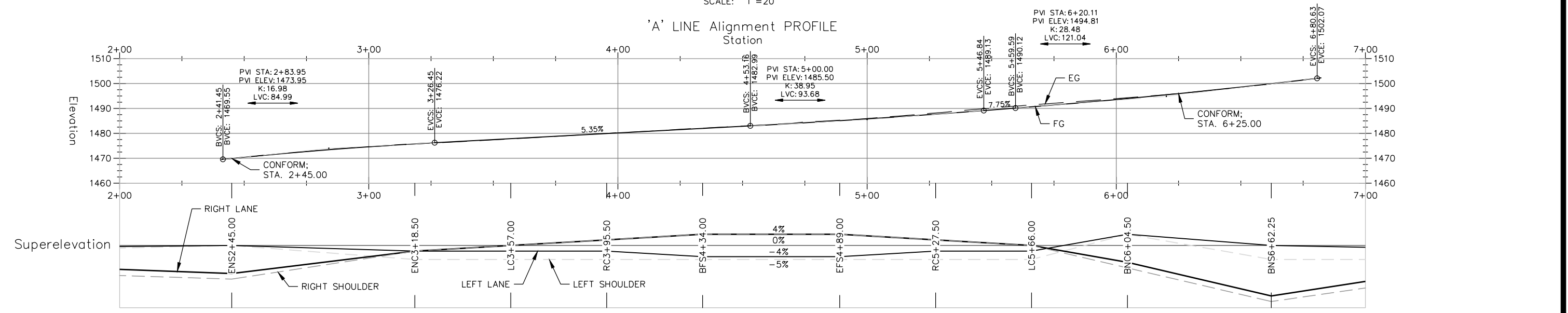
ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION: ENGINEERING
ROAD NO: 68165	MILE POST: 2.10
PROJECT NO.: ER-3210(268)	DESIGNED BY: RMD
CONTRACT NO.: 217245	DRAWN BY: RMD
DRAWING FILE NAME: 217245_ALD_2.1	REVIEWED BY: JAB
PLOT DATE: 09/28/2022	REVISION DATE:
	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10 ALDERPOINT ROAD PLAN AND PROFILE	SHEET 6 OF 42
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SITE PLAN
SCALE: 1"=20'

'A' LINE Alignment PROFILE
Station



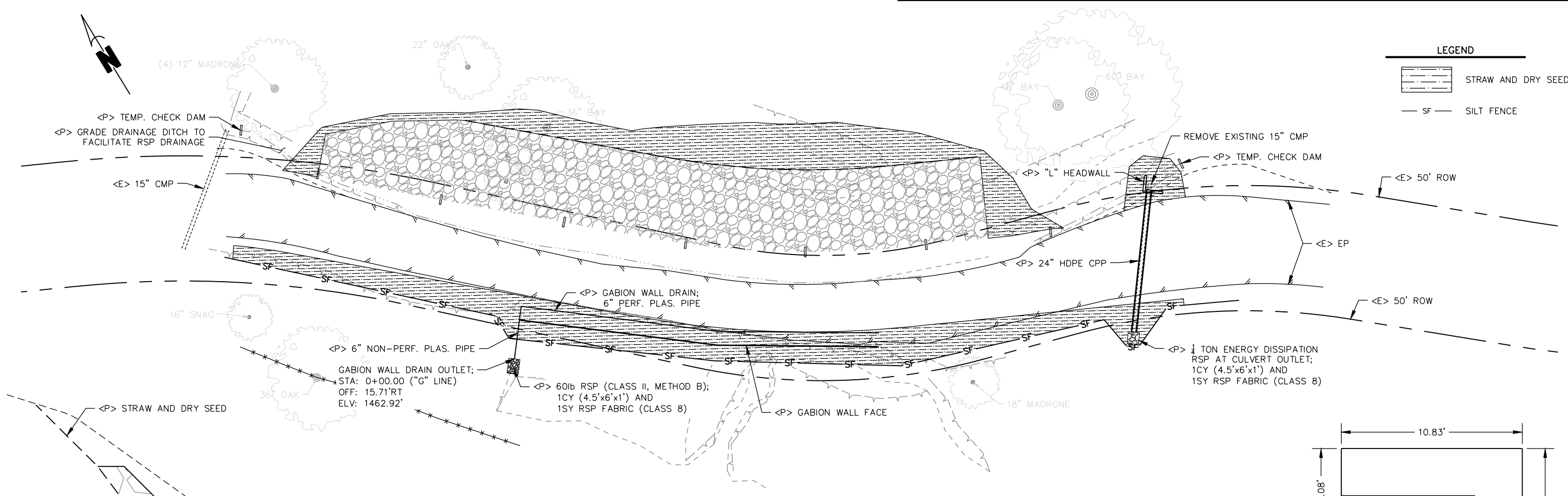
SUPERELEVATION & PROFILE VIEW
SCALE: 1"=20'(H,V)

NOTE:
1. APPLY STRAW AND DRY SEED TO ALL DISTURBED SOIL



ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10 EROSION CONTROL AND CULVERT HEADWALL DETAILS
ROAD NO: 6B165	ENGINEERING	
PROJECT NO.: ER-3210(268)	DESIGNED BY: RMD	
CONTRACT NO.: 217245	DRAWN BY: RMD	
DRAWING FILE NAME: 217245 ALD 2.1	REVIEWED BY: JAB	
PLOT DATE: 04/26/2023	REVISION DATE:	APPROVED BY: TRS

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42

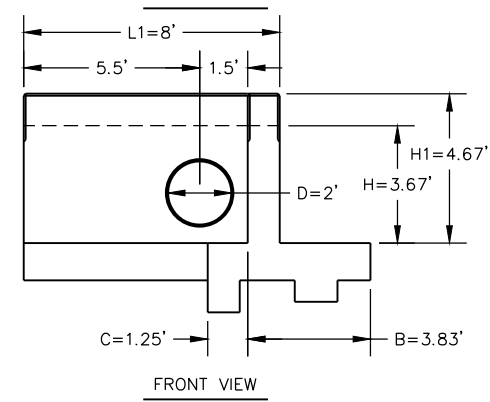
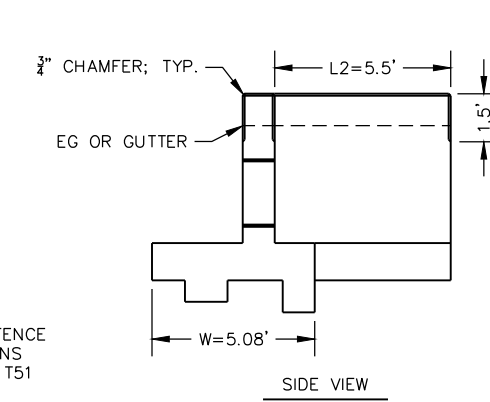
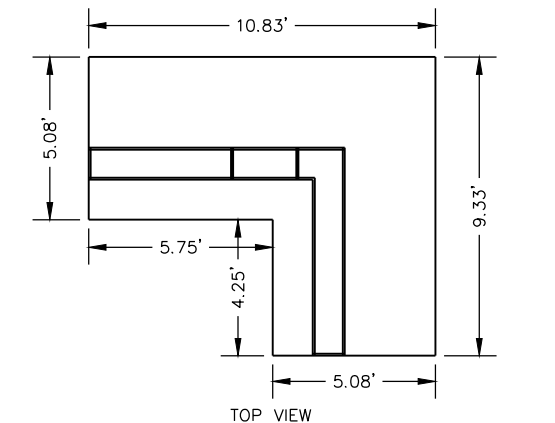


LEGEND

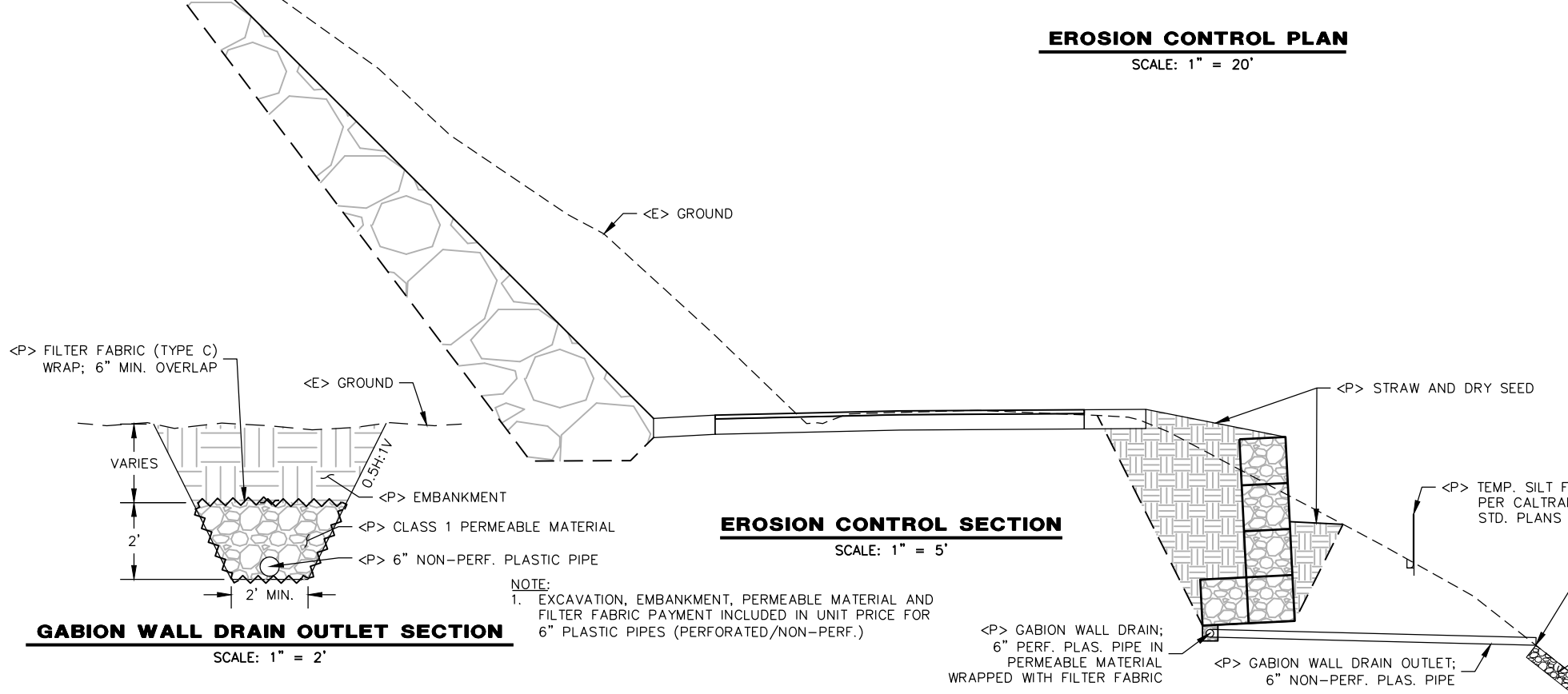
	STRAW AND DRY SEED
	SILT FENCE

EROSION CONTROL PLAN
SCALE: 1" = 20'

- NOTES:
1. SEE CALTRANS STD. PLANS D89 FOR FURTHER DETAILS
 2. CASE II HEADWALL DESIGN
 3. CONCRETE AND REBAR CALCULATED FROM STANDARD PLANS D89 TABLE



'L' HEADWALL DETAILS
SCALE: 1" = 3'



EROSION CONTROL SECTION
SCALE: 1" = 5'

GABION WALL DRAIN OUTLET SECTION
SCALE: 1" = 2'

NOTE:
1. EXCAVATION, EMBANKMENT, PERMEABLE MATERIAL AND FILTER FABRIC PAYMENT INCLUDED IN UNIT PRICE FOR 6" PLASTIC PIPES (PERFORATED/NON-PERF.)

STA: 0+00.00 ("G" LINE)
OFF: 15.71'RT
ELV: 1462.92'

<P> GABION WALL DRAIN;
6" PERF. PLAS. PIPE IN PERMEABLE MATERIAL WRAPPED WITH FILTER FABRIC

<P> GABION WALL DRAIN OUTLET;
6" NON-PERF. PLAS. PIPE

<P> 60lb RSP (CLASS II, METHOD B);
1CY (4.5'x6'x1') AND
1SY RSP FABRIC (CLASS 8)

<P> STRAW AND DRY SEED

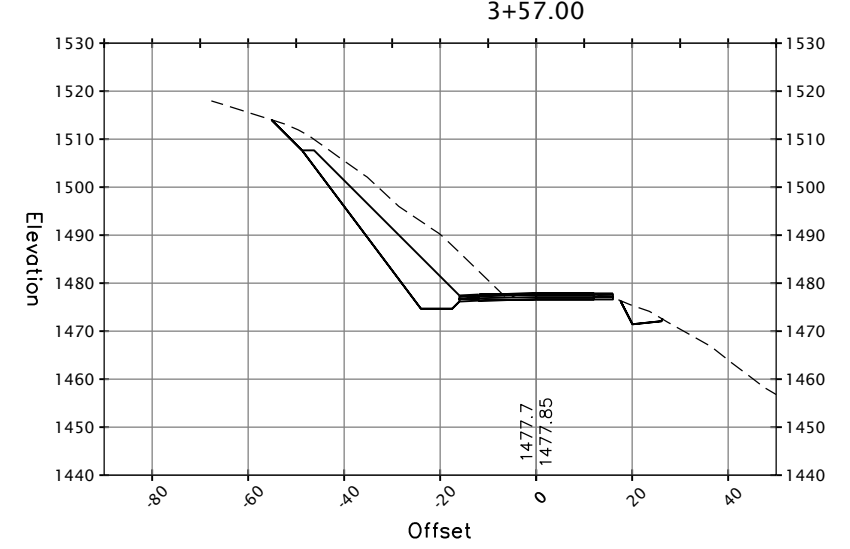
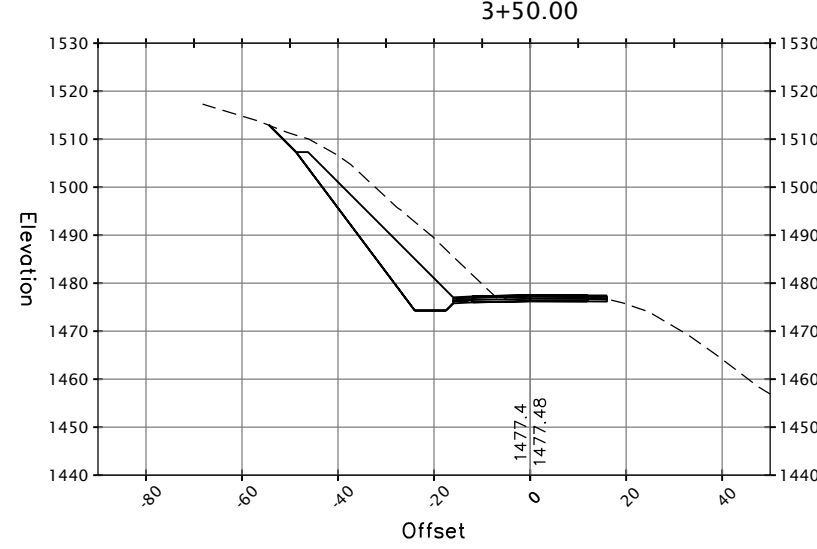
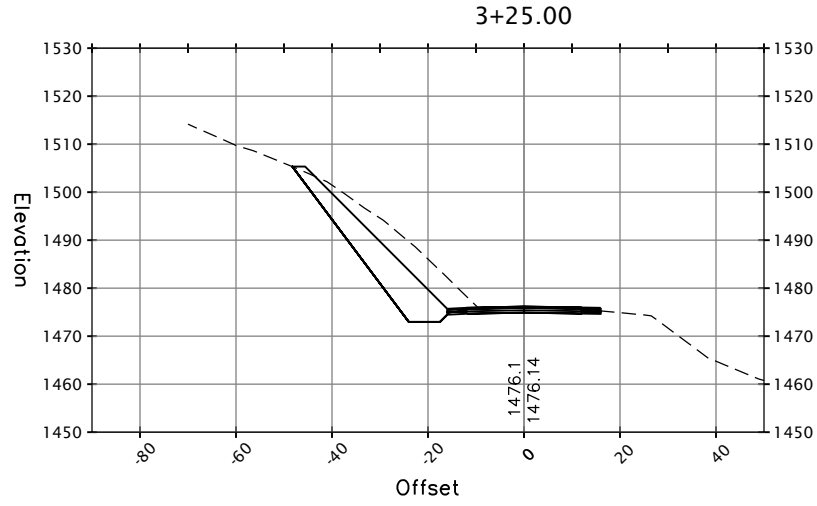
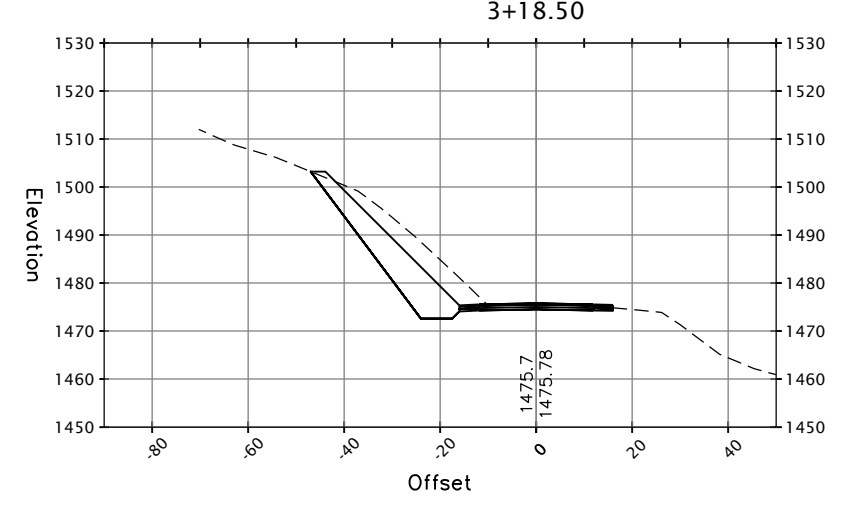
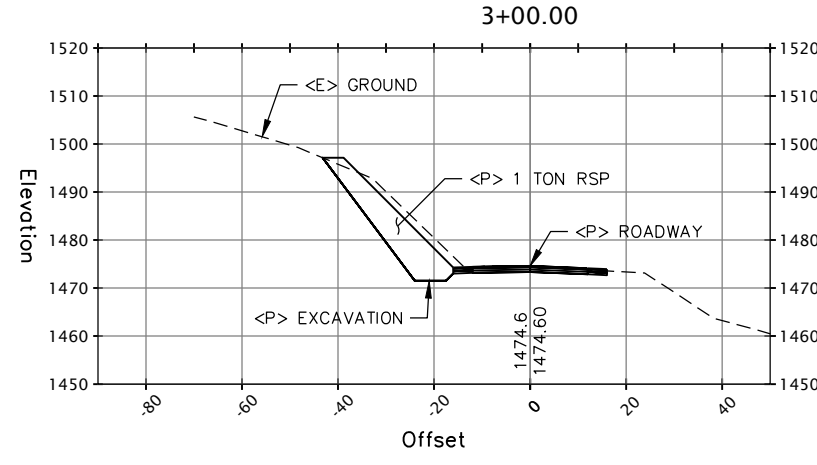
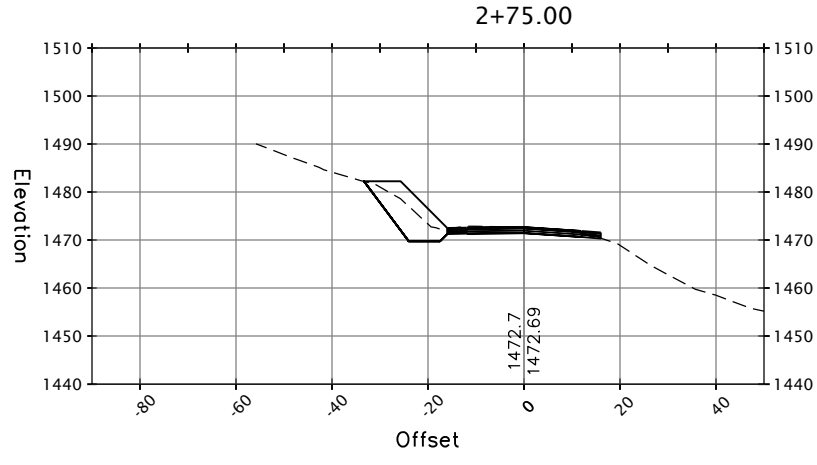
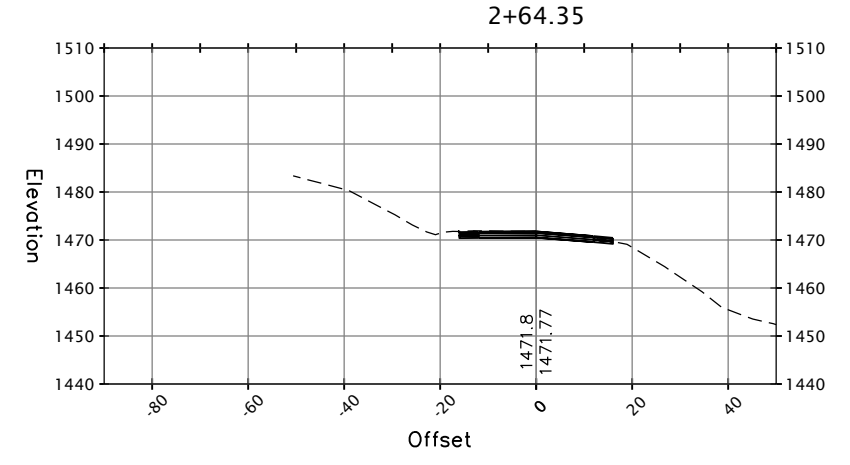
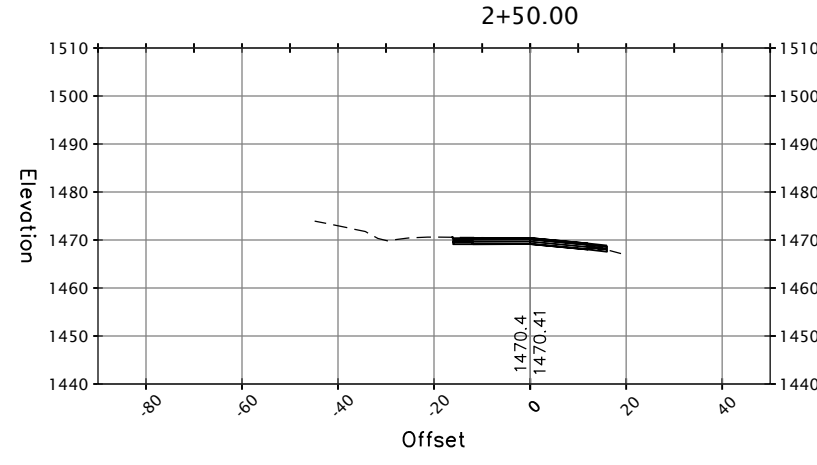
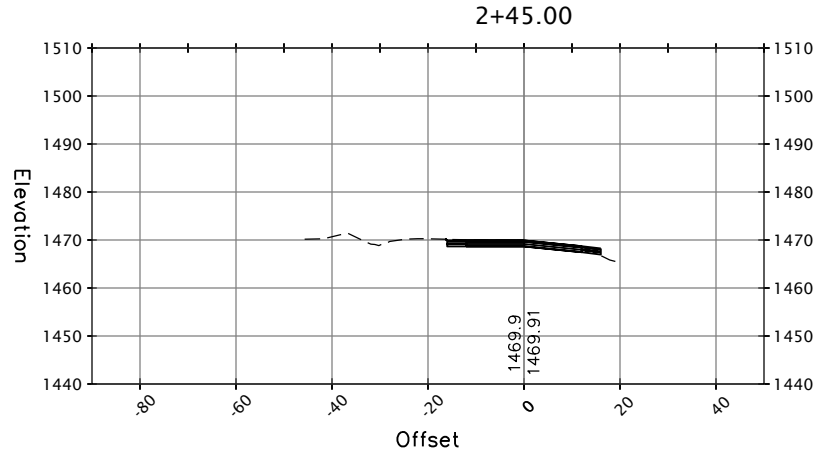
<P> TEMP. SILT FENCE PER CALTRANS STD. PLANS T51



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
	ROAD NO.: 6B165	ENGINEERING
	MILE POST: 2.10	DESIGNED BY: RMD
	PROJECT NO.: ER-3210(268)	DRAWN BY: RMD
	CONTRACT NO.: 217245	REVIEWED BY: JAB
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING FILE NAME: 217245_ALD_2.1	APPROVED BY: TRS
	PLOT DATE: 09/28/2022	REVISION DATE:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10
ALDERPOINT ROAD SECTIONS

SHEET
8
OF
42

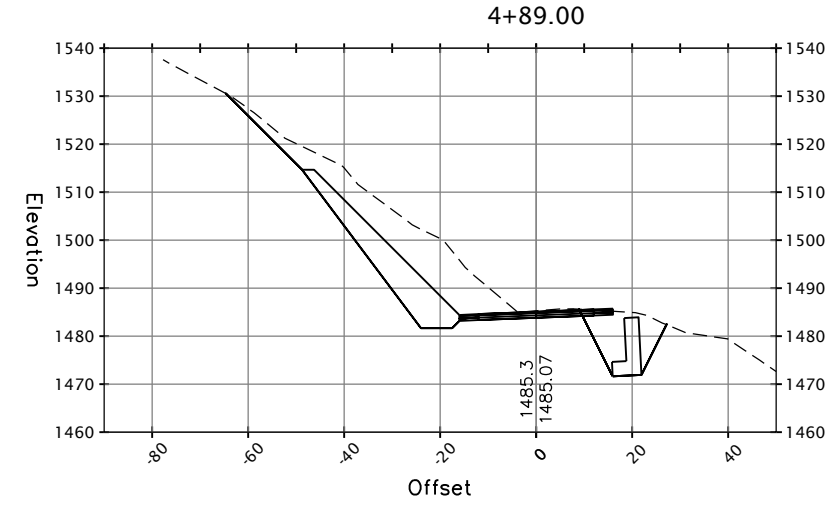
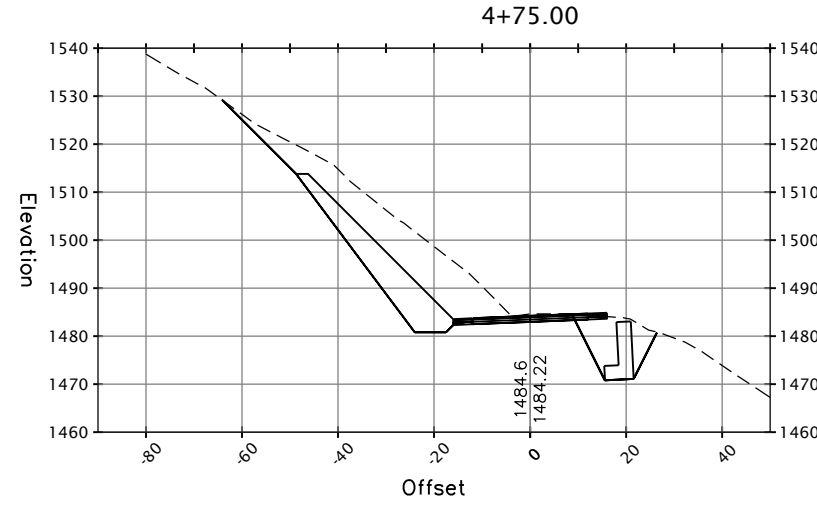
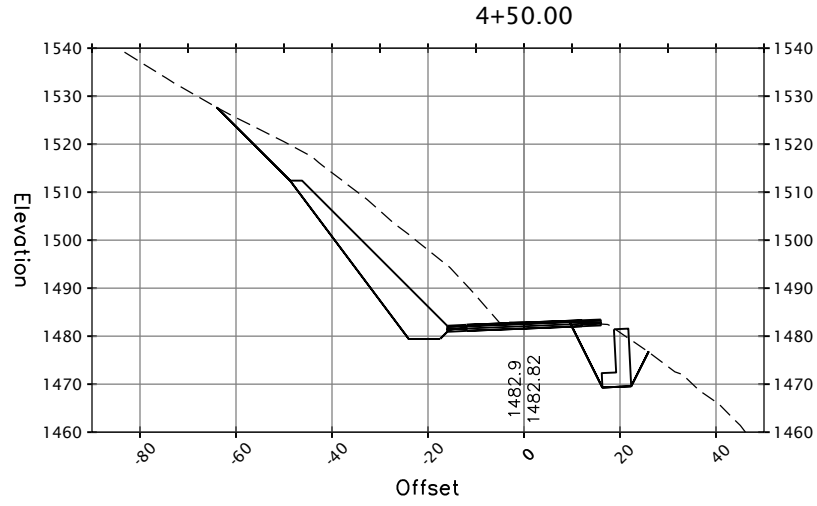
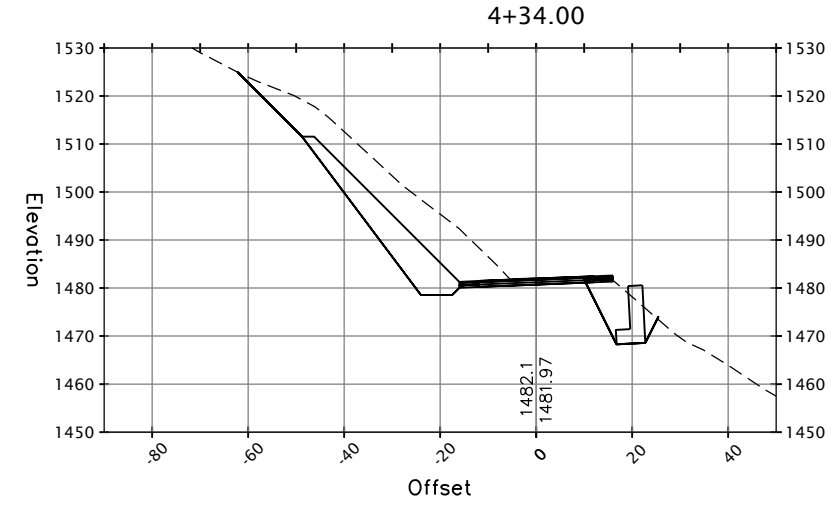
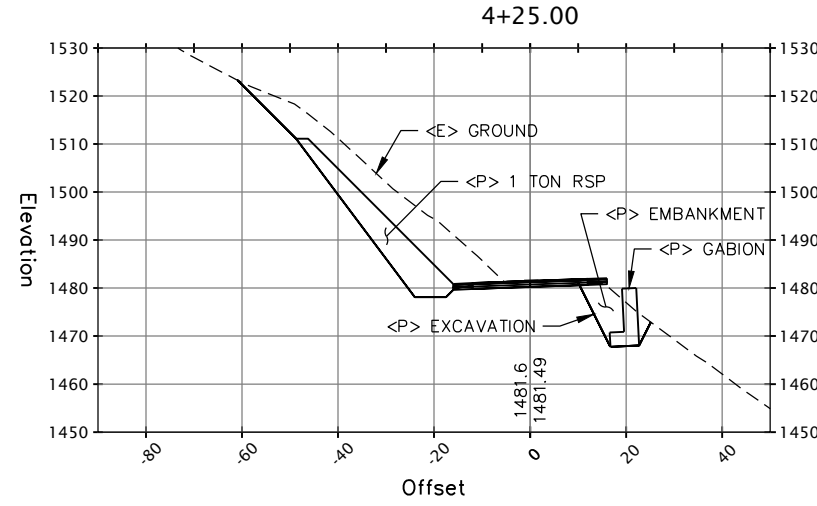
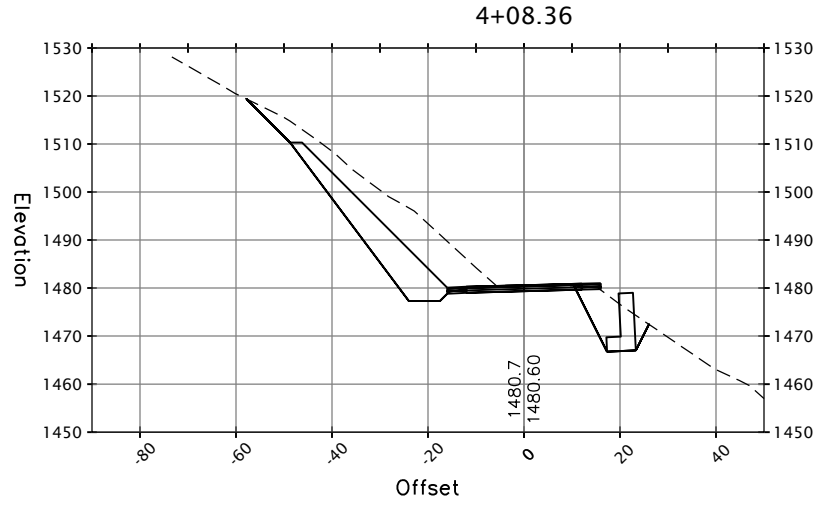
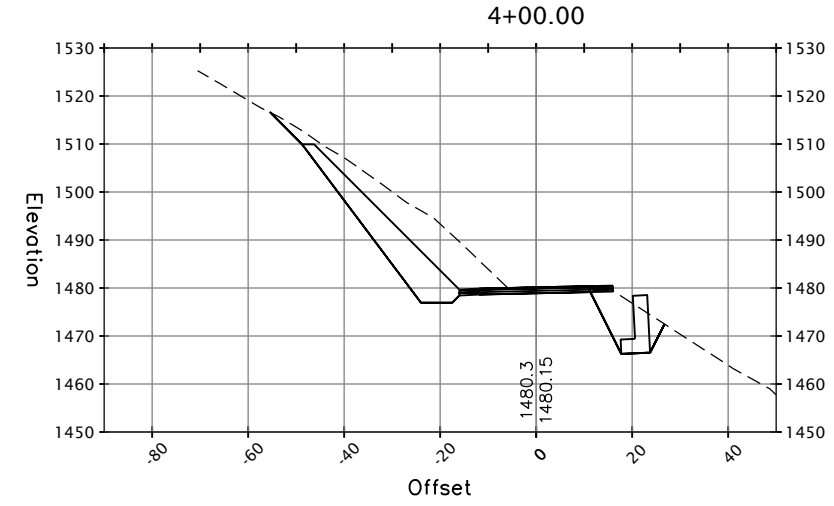
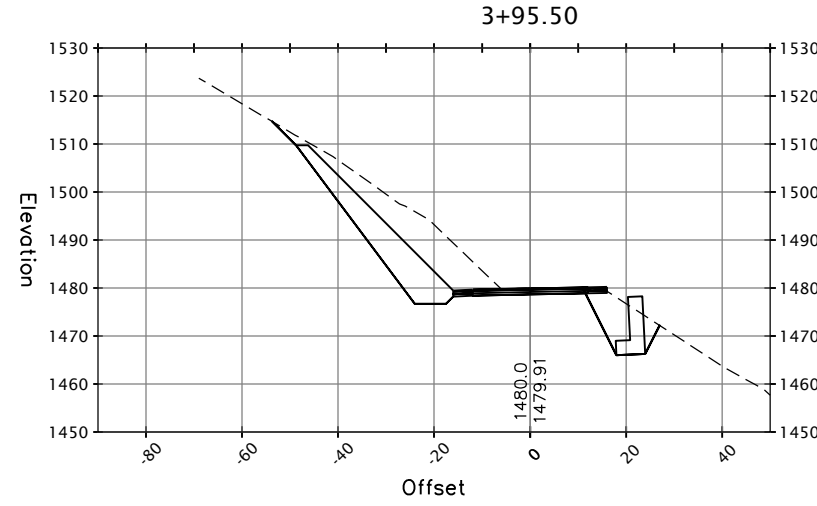
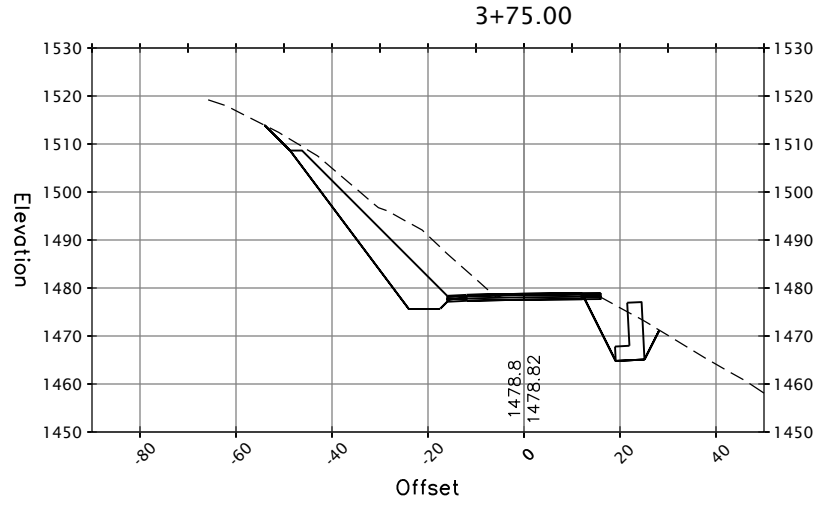


SECTION VIEWS
SCALE: 1" = 20'



ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10
ROAD NO.: 6B165	ENGINEERING		
PROJECT NO.: ER-3210(268)	DESIGNED BY: RMD		
CONTRACT NO.: 217245	DRAWN BY: RMD		
DRAWING FILE NAME: 217245_ALD_2.1	REVIEWED BY: JAB		
PLOT DATE: 09/28/2022	REVISION DATE:	APPROVED BY: TRS	
BAR IS ONE INCH ON ORIGINAL DRAWING			
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY			

SHEET
9
OF
42



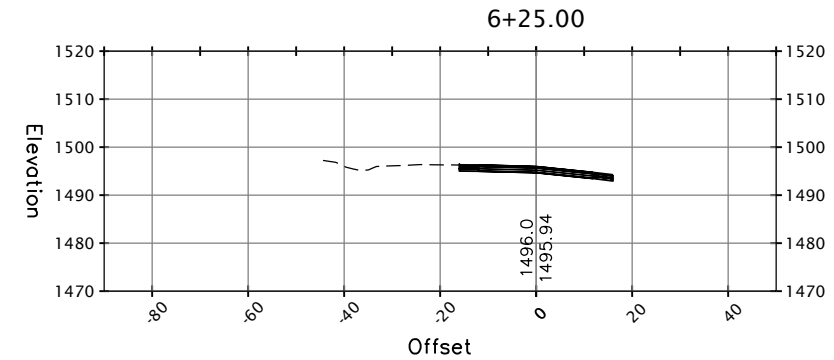
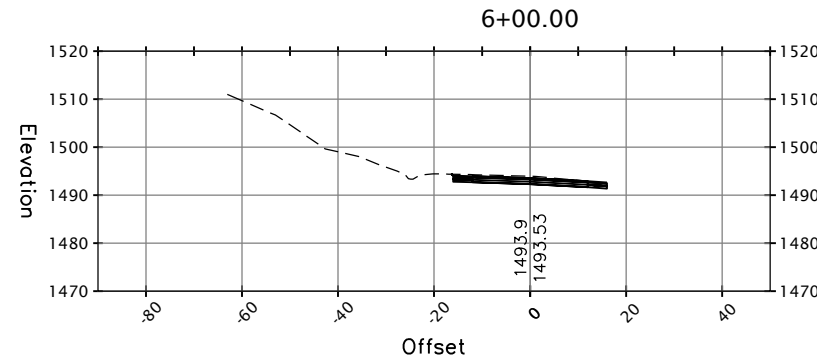
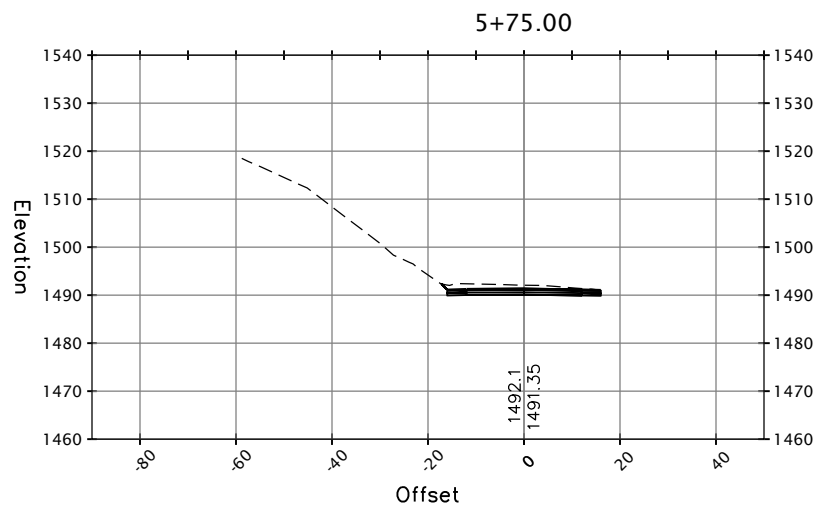
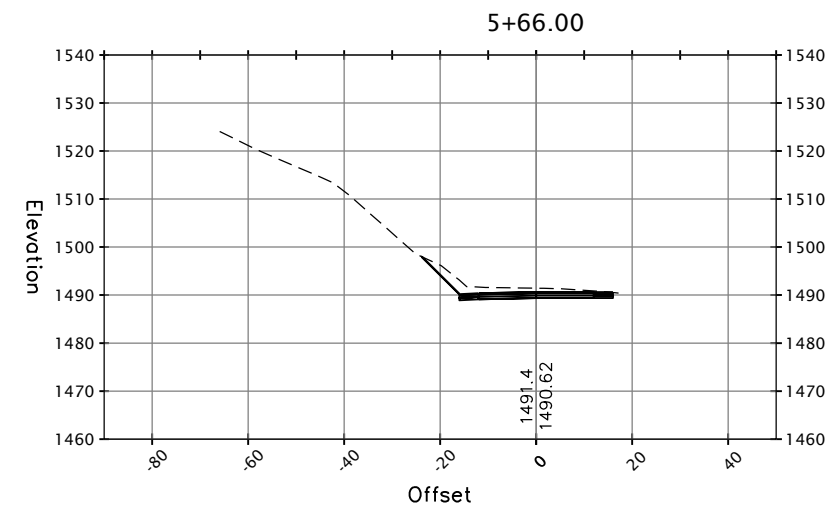
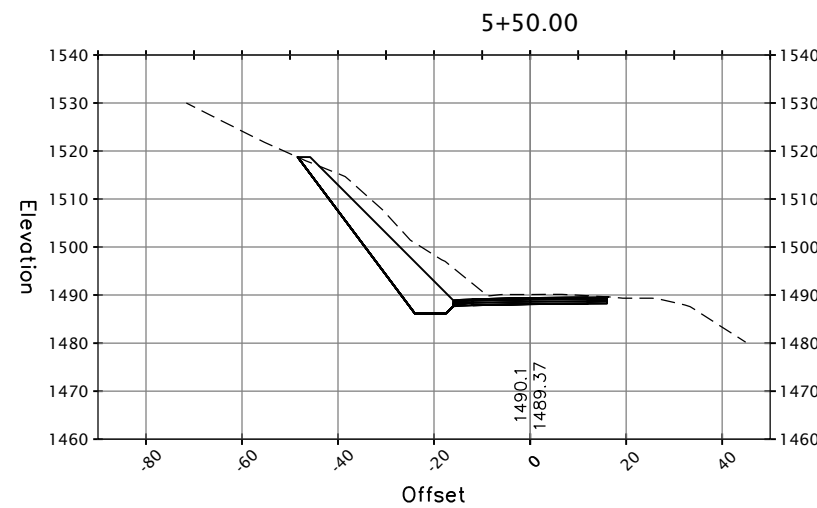
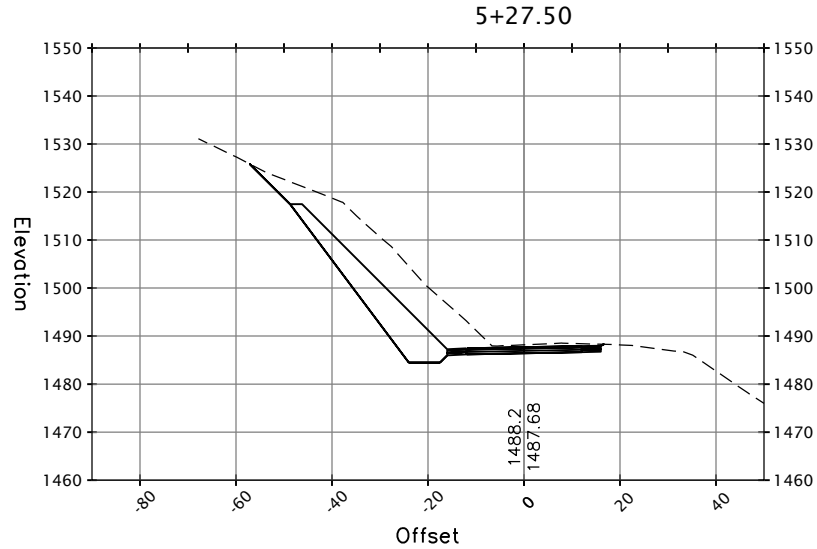
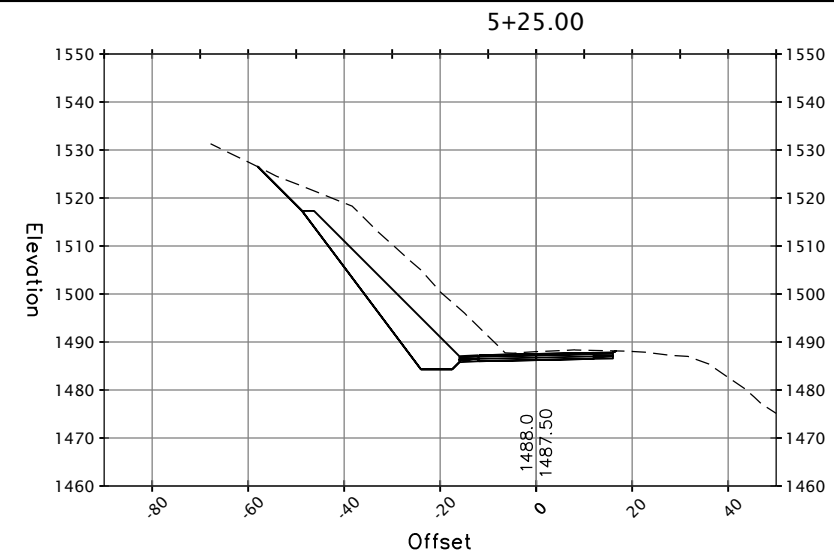
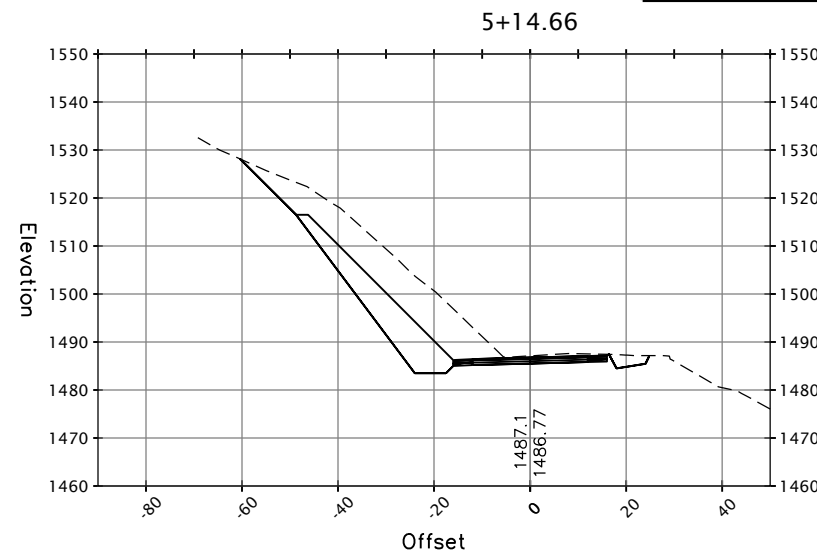
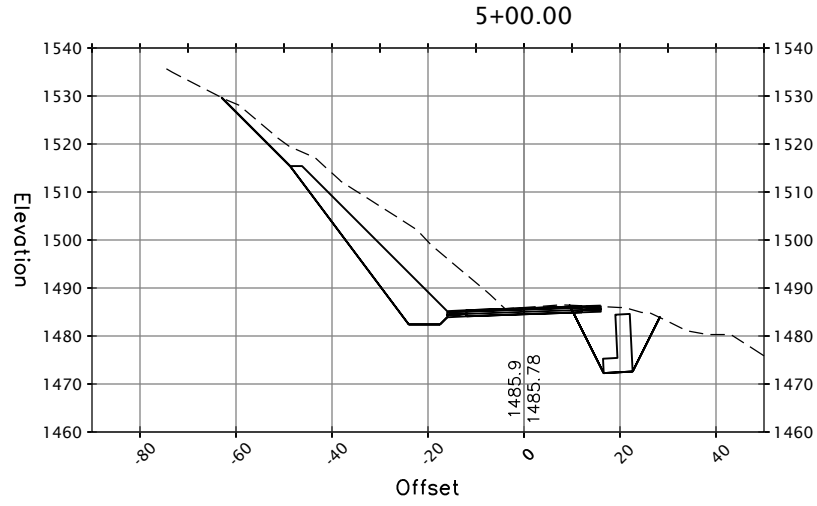
SECTION VIEWS
SCALE: 1" = 20'



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
	ROAD NO.: 6B165	MILE POST: 2.10	
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NO.: ER-3210(268)	DESIGNED BY: RMD	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 2.10
	CONTRACT NO.: 217245	DRAWN BY: RMD	
	DRAWING FILE NAME: 217245_ALD_2.1	REVIEWED BY: JAB	
	PLOT DATE: 09/28/2022	REVISION DATE:	APPROVED BY: TRS

SHEET
10
OF
42

ALDERPOINT ROAD SECTIONS



SECTION VIEWS

SCALE: 1" = 20'

NOTES:

- 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.
- IF MONUMENT IS DAMAGED BY CONTRACTOR'S OPERATIONS, CONTRACTOR SHALL REPLACE MONUMENT AT CONTRACTOR'S EXPENSE.

ABBREVIATIONS:

NGS NATIONAL GEODETIC SURVEY
PID PERMANENT IDENTIFIER

LEGEND:

- △ CONTROL POINT
- SURVEY MONUMENT

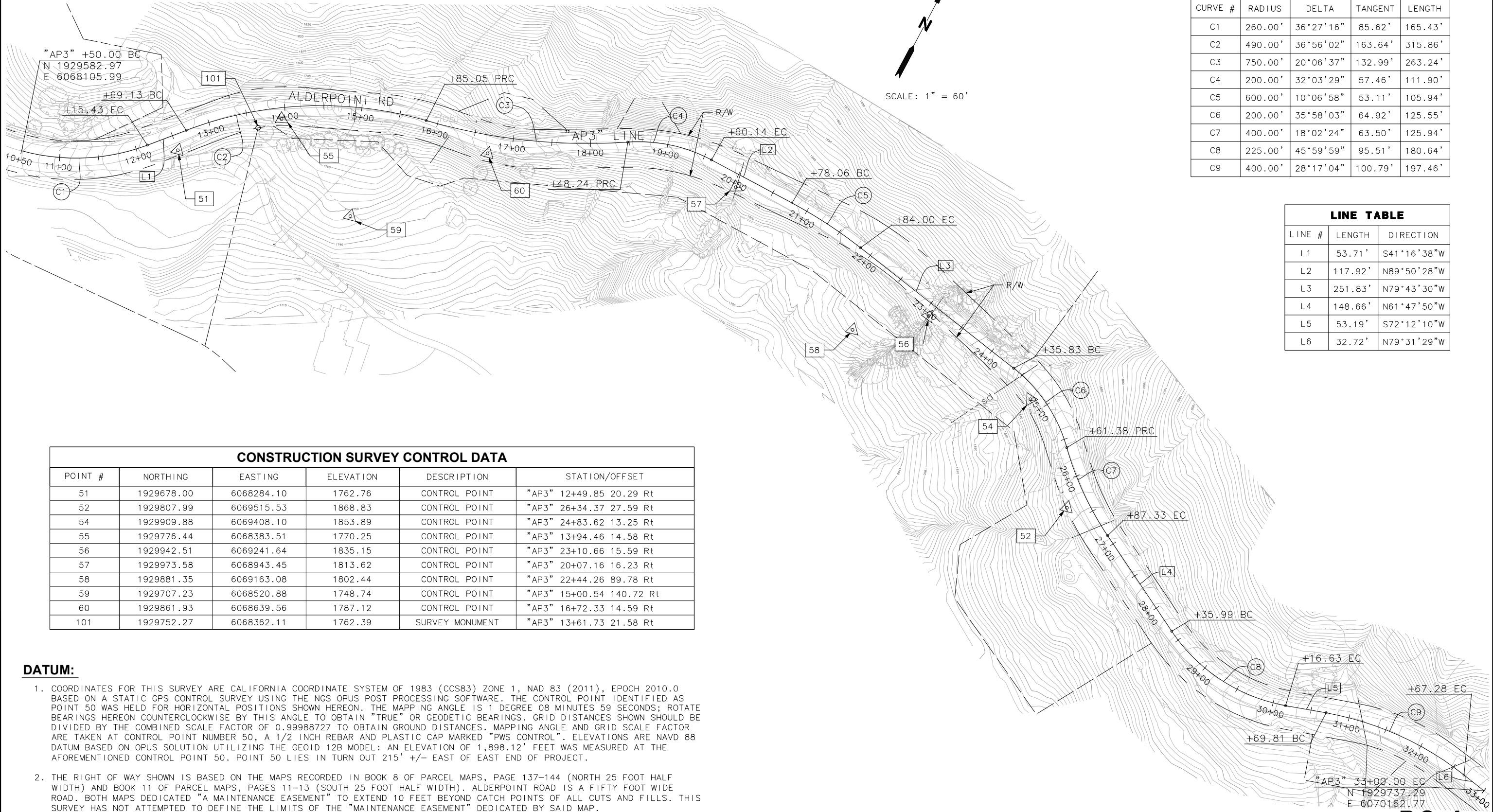


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
PROJECT CONTROL

SHEET **11**
OF
42



CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C1	260.00'	36°27'16"	85.62'	165.43'
C2	490.00'	36°56'02"	163.64'	315.86'
C3	750.00'	20°06'37"	132.99'	263.24'
C4	200.00'	32°03'29"	57.46'	111.90'
C5	600.00'	10°06'58"	53.11'	105.94'
C6	200.00'	35°58'03"	64.92'	125.55'
C7	400.00'	18°02'24"	63.50'	125.94'
C8	225.00'	45°59'59"	95.51'	180.64'
C9	400.00'	28°17'04"	100.79'	197.46'

LINE #	LENGTH	DIRECTION
L1	53.71'	S41°16'38"W
L2	117.92'	N89°50'28"W
L3	251.83'	N79°43'30"W
L4	148.66'	N61°47'50"W
L5	53.19'	S72°12'10"W
L6	32.72'	N79°31'29"W

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION/OFFSET
51	1929678.00	6068284.10	1762.76	CONTROL POINT	"AP3" 12+49.85 20.29 Rt
52	1929807.99	6069515.53	1868.83	CONTROL POINT	"AP3" 26+34.37 27.59 Rt
54	1929909.88	6069408.10	1853.89	CONTROL POINT	"AP3" 24+83.62 13.25 Rt
55	1929776.44	6068383.51	1770.25	CONTROL POINT	"AP3" 13+94.46 14.58 Rt
56	1929942.51	6069241.64	1835.15	CONTROL POINT	"AP3" 23+10.66 15.59 Rt
57	1929973.58	6068943.45	1813.62	CONTROL POINT	"AP3" 20+07.16 16.23 Rt
58	1929881.35	6069163.08	1802.44	CONTROL POINT	"AP3" 22+44.26 89.78 Rt
59	1929707.23	6068520.88	1748.74	CONTROL POINT	"AP3" 15+00.54 140.72 Rt
60	1929861.93	6068639.56	1787.12	CONTROL POINT	"AP3" 16+72.33 14.59 Rt
101	1929752.27	6068362.11	1762.39	SURVEY MONUMENT	"AP3" 13+61.73 21.58 Rt





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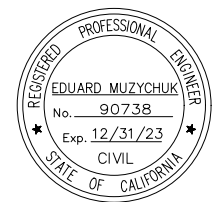
- COORDINATES FOR THIS SURVEY ARE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE 1, NAD 83 (2011), EPOCH 2010.0 BASED ON A STATIC GPS CONTROL SURVEY USING THE NGS OPUS POST PROCESSING SOFTWARE. THE CONTROL POINT IDENTIFIED AS POINT 50 WAS HELD FOR HORIZONTAL POSITIONS SHOWN HEREON. THE MAPPING ANGLE IS 1 DEGREE 08 MINUTES 59 SECONDS; ROTATE BEARINGS HEREON COUNTERCLOCKWISE BY THIS ANGLE TO OBTAIN "TRUE" OR GEODETIC BEARINGS. GRID DISTANCES SHOWN SHOULD BE DIVIDED BY THE COMBINED SCALE FACTOR OF 0.99988727 TO OBTAIN GROUND DISTANCES. MAPPING ANGLE AND GRID SCALE FACTOR ARE TAKEN AT CONTROL POINT NUMBER 50, A 1/2 INCH REBAR AND PLASTIC CAP MARKED "PWS CONTROL". ELEVATIONS ARE NAVD 88 DATUM BASED ON OPUS SOLUTION UTILIZING THE GEOID 12B MODEL: AN ELEVATION OF 1,898.12' FEET WAS MEASURED AT THE AFOREMENTIONED CONTROL POINT 50. POINT 50 LIES IN TURN OUT 215' +/- EAST OF EAST END OF PROJECT.
- THE RIGHT OF WAY SHOWN IS BASED ON THE MAPS RECORDED IN BOOK 8 OF PARCEL MAPS, PAGE 137-144 (NORTH 25 FOOT HALF WIDTH) AND BOOK 11 OF PARCEL MAPS, PAGES 11-13 (SOUTH 25 FOOT HALF WIDTH). ALDERPOINT ROAD IS A FIFTY FOOT WIDE ROAD. BOTH MAPS DEDICATED "A MAINTENANCE EASEMENT" TO EXTEND 10 FEET BEYOND CATCH POINTS OF ALL CUTS AND FILLS. THIS SURVEY HAS NOT ATTEMPTED TO DEFINE THE LIMITS OF THE "MAINTENANCE EASEMENT" DEDICATED BY SAID MAP.

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATION.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATIONS DIAGRAM.
3. FOR UNDERDRAIN DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, D102.
4. THE CENTERLINE OF THE UNDERDRAIN SHALL FOLLOW THE DITCH CENTERLINE

LEGEND

-  PERMEABLE MATERIAL (CLASS 1, TYPE A)
-  STRUCTURE BACKFILL (IMPERVIOUS COMPACTED SOIL)
-  EMBANKMENT
-  ROCK SLOPE PROTECTION (RSP) (CLASS 3)

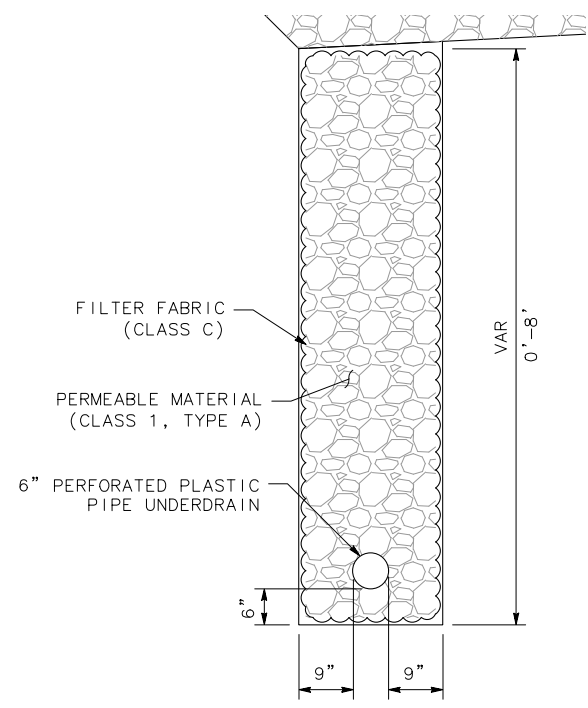
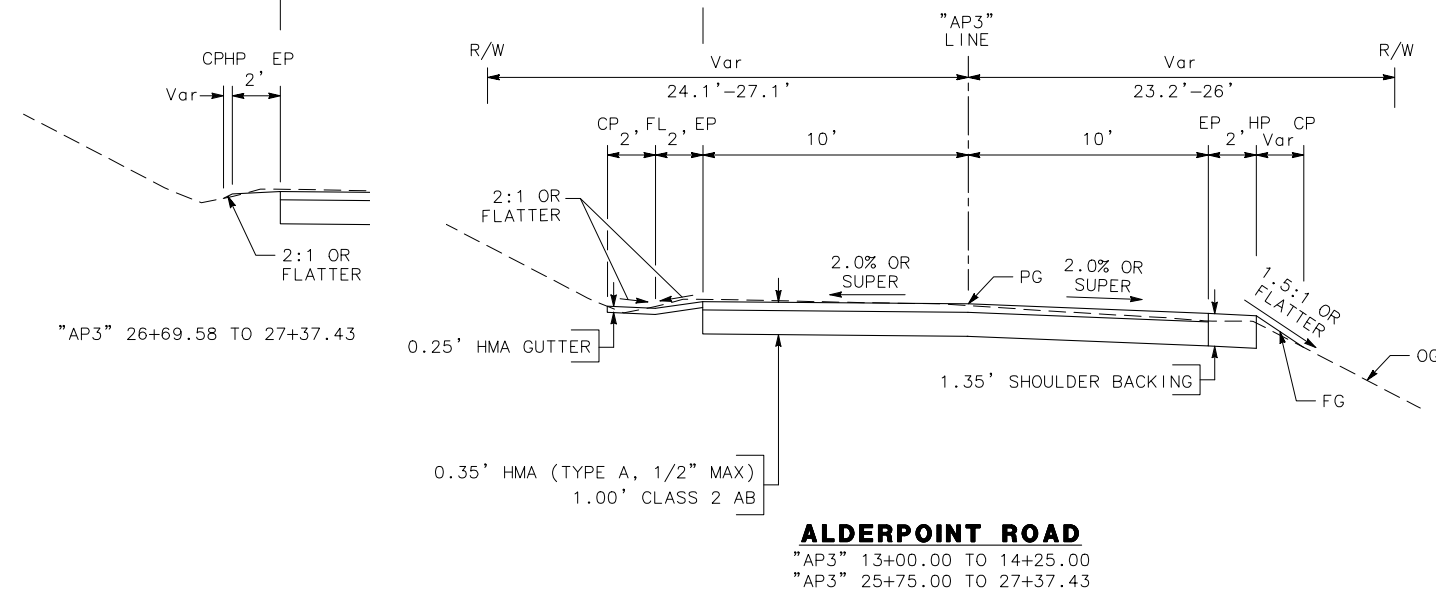
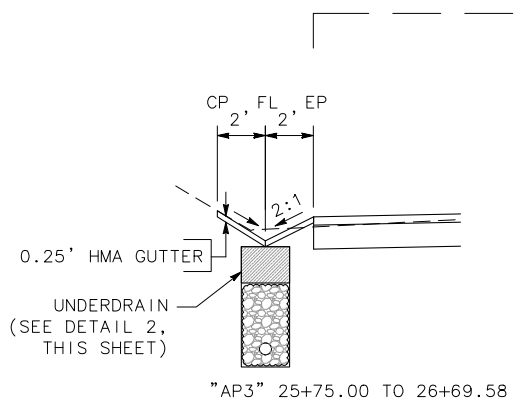
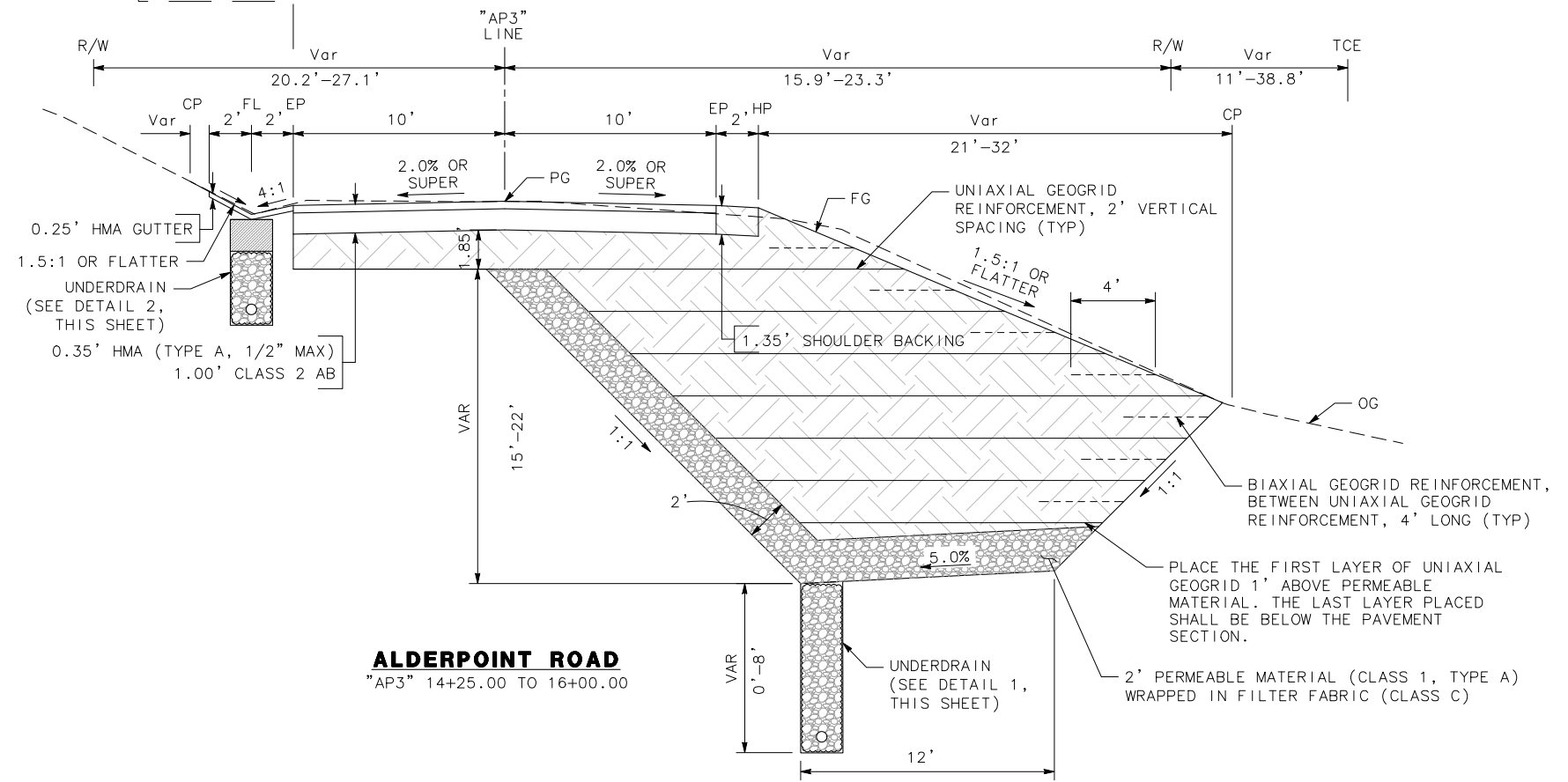
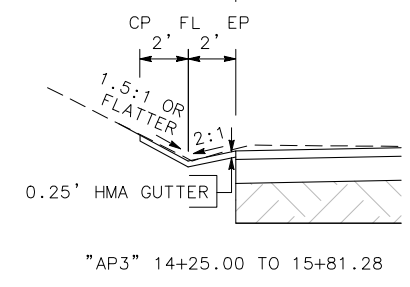


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

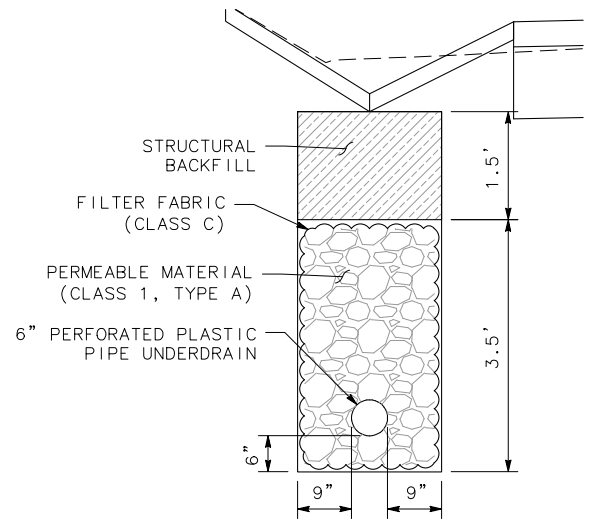
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
TYPICAL CROSS SECTIONS

SHEET **12**
OF
42

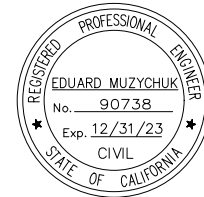


UNDERDRAIN DETAIL 1
NO SCALE



UNDERDRAIN DETAIL 2
NO SCALE

X-1



ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

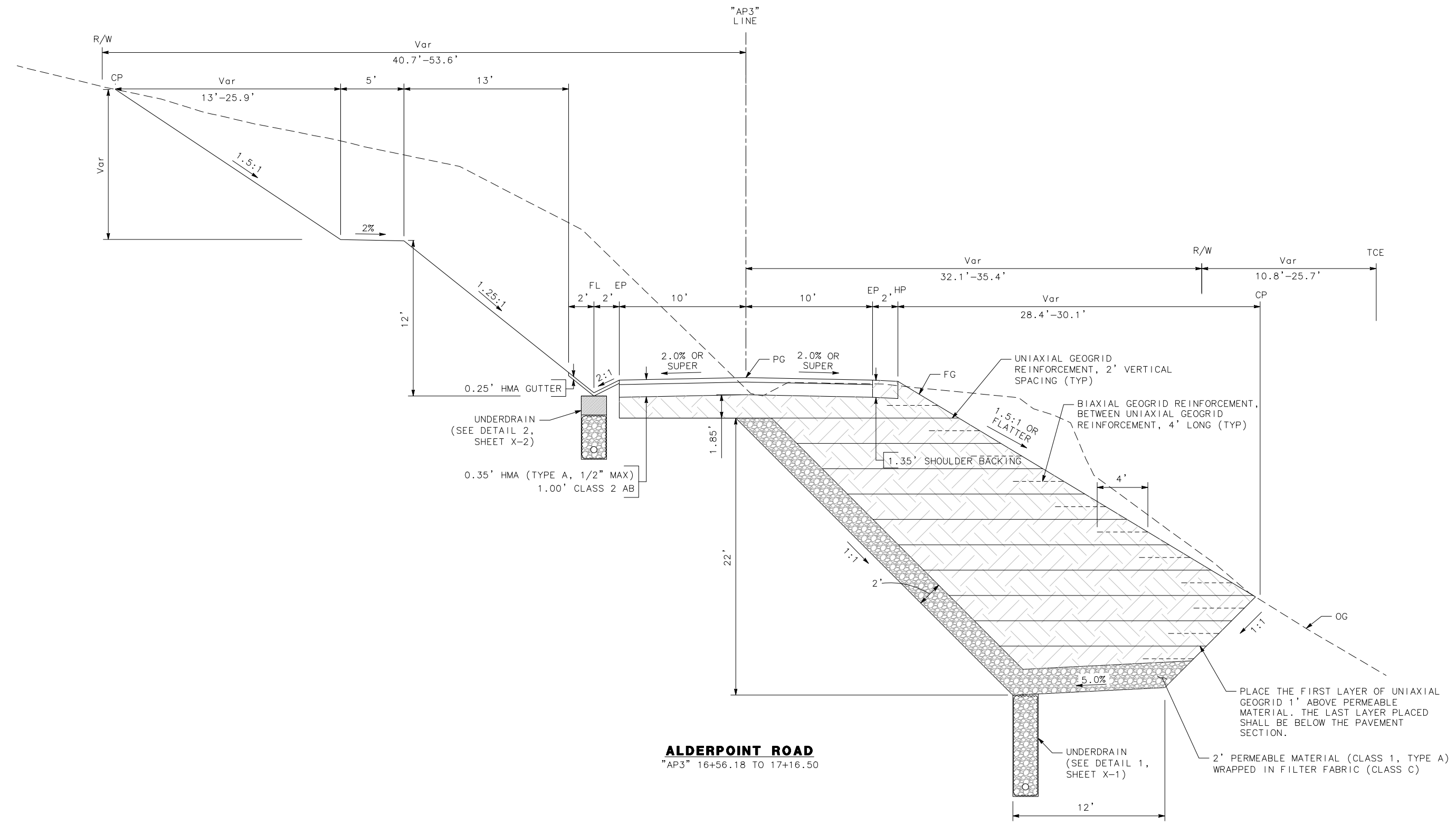
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS**

ALDERPOINT RD STORM DAMAGE (PM 2.70)

TYPICAL CROSS SECTIONS

SHEET **14**
OF
42

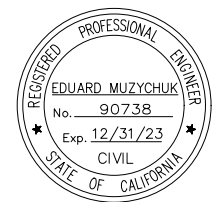


ALDERPOINT ROAD
"AP3" 16+56.18 TO 17+16.50

PLACE THE FIRST LAYER OF UNIAXIAL GEOGRID 1' ABOVE PERMEABLE MATERIAL. THE LAST LAYER PLACED SHALL BE BELOW THE PAVEMENT SECTION.

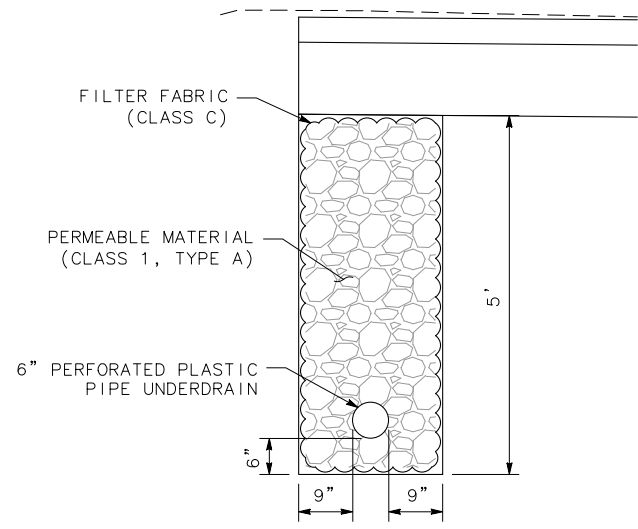
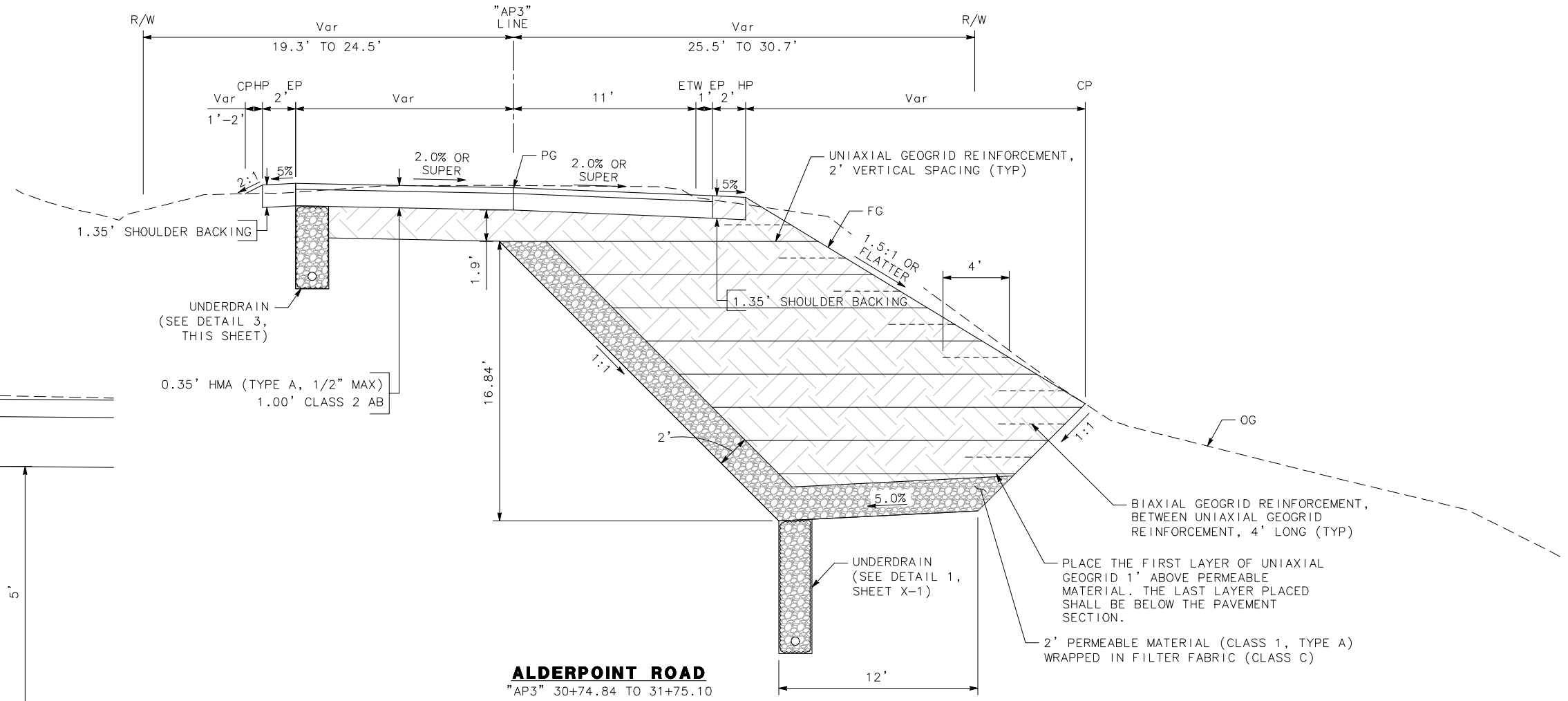
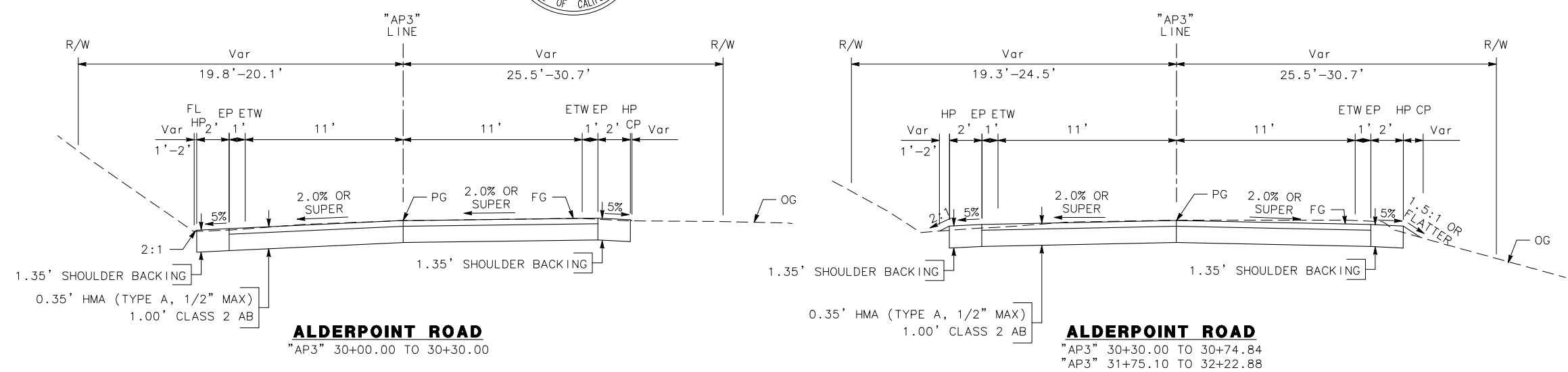
2' PERMEABLE MATERIAL (CLASS 1, TYPE A) WRAPPED IN FILTER FABRIC (CLASS C)

X-3



ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: FL
DRAWN BY: SS/FL
REVIEWED BY: GH
APPROVED BY: EM

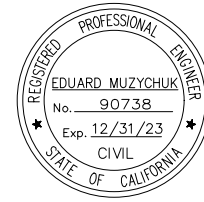


UNDERDRAIN DETAIL 3
NO SCALE

X-4

NOTE:

1. NO DRAINAGE SHALL BE DIRECTED TOWARD THE HOUSE.



ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

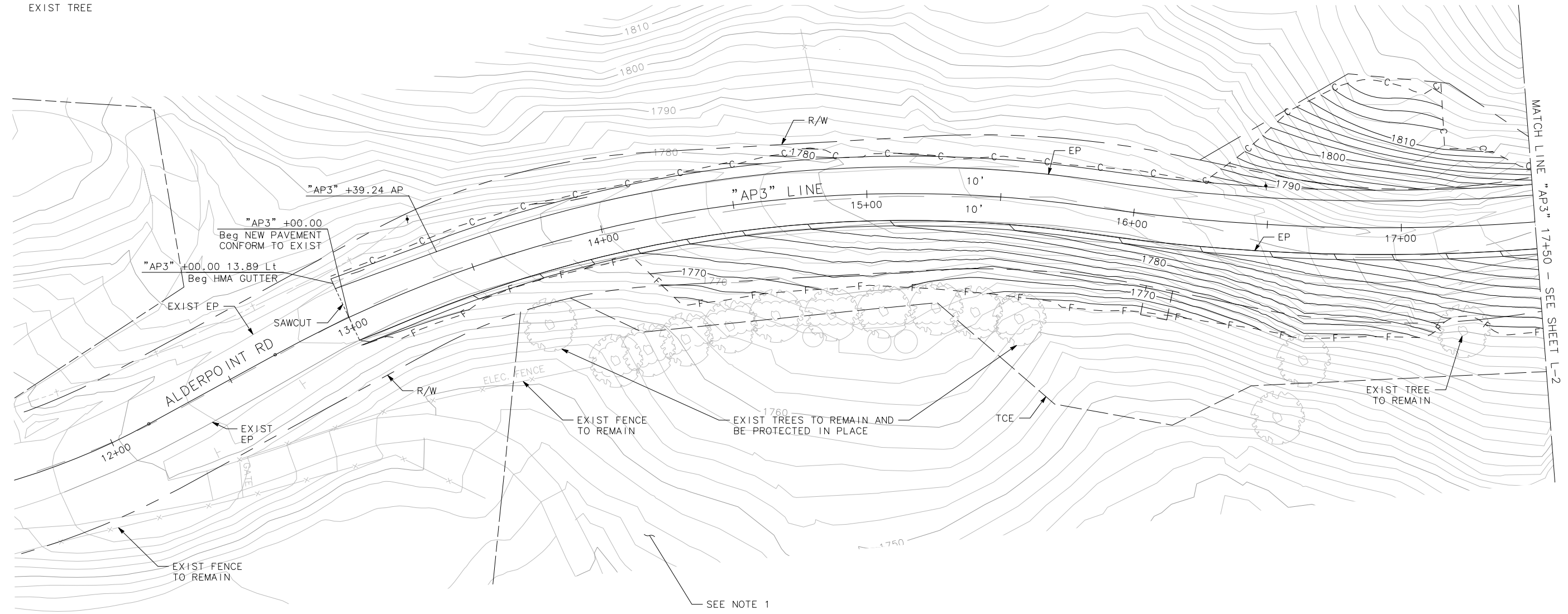
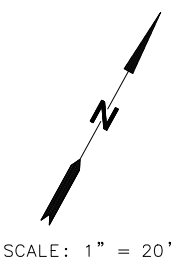
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)

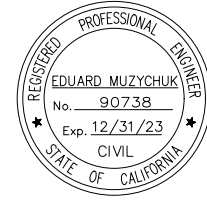
LAYOUT

SHEET **16**
OF
42

LEGEND

- HMA OVERLAY
- CUT LINE
- FILL LINE
- SAWCUT
- TEMP CONSTRUCTION (TCE)
- RIGHT OF WAY
- EXIST TREE





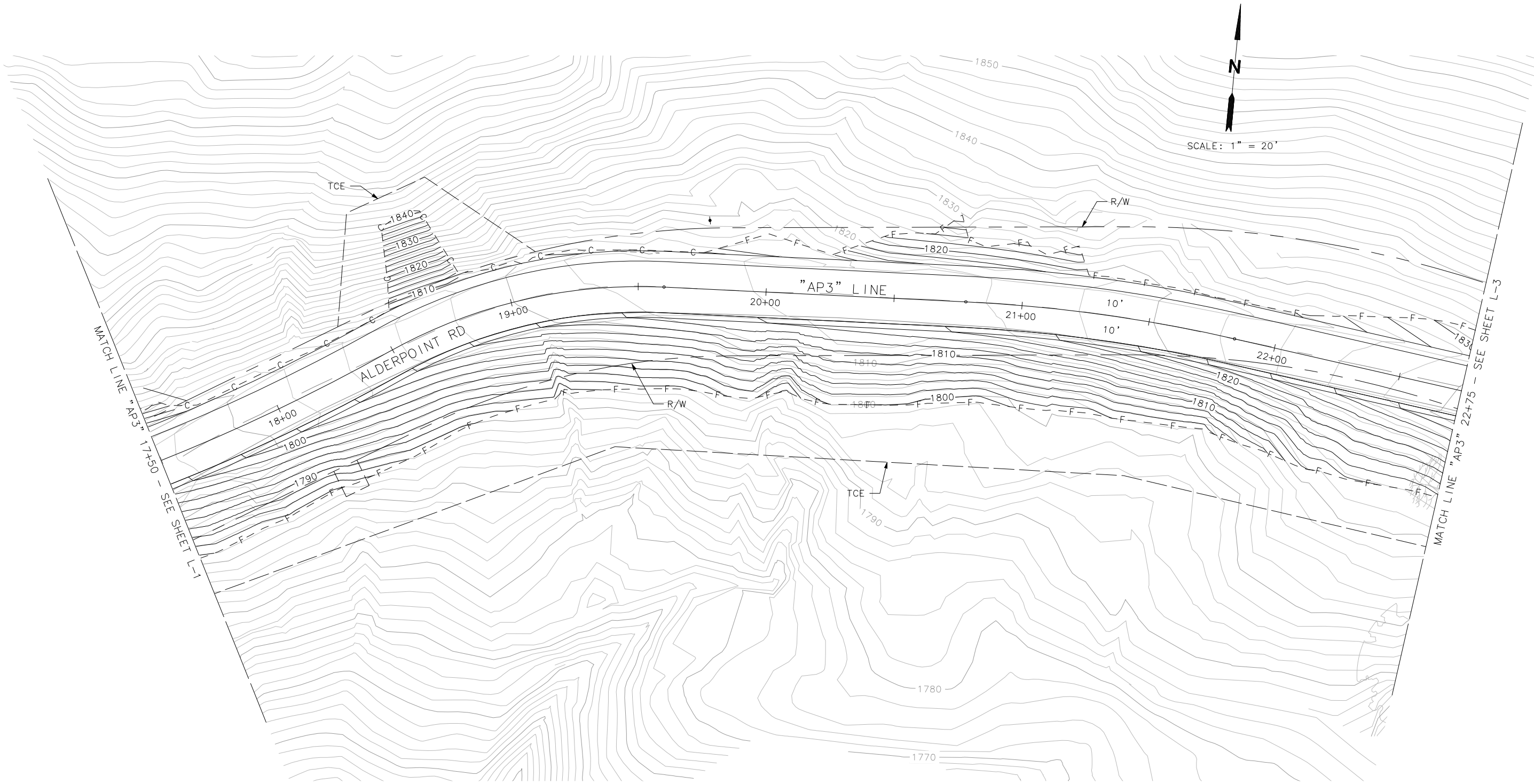
ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

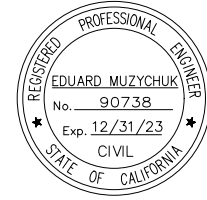
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)

LAYOUT

SHEET 17
OF 42





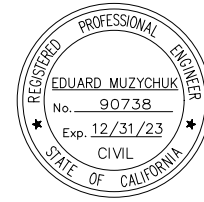
ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F68165	EA NO:
PROJECT NO: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
LAYOUT

SHEET
18
OF
42



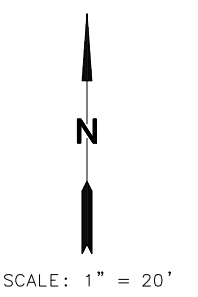
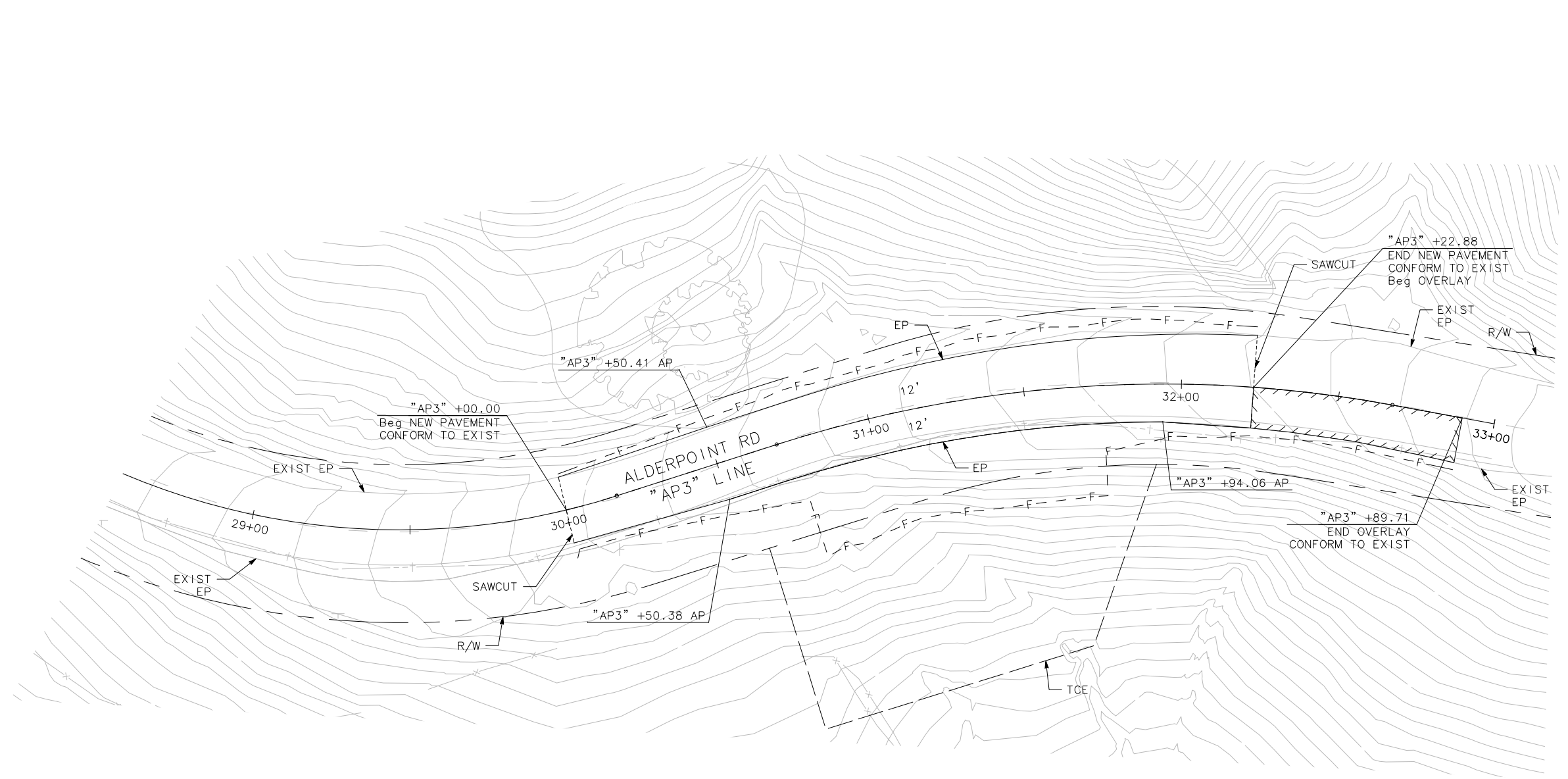


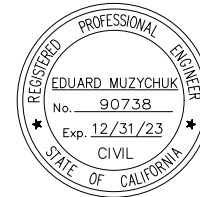
ROAD NAME: ALDERPOINT ROAD	
ROAD NO: F6B165	MILE POST: 2.10, 2.70 AND 2.98
PROJECT NO.: ER32LO(268/270/271)	EA NO.:
CONTRACT NO.: 217245/217247	BRIDGE NO: N/A
DRAWING FILE NAME:	
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: FL
DRAWN BY: SS/FL
REVIEWED BY: GH
APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.98)
LAYOUT

SHEET
19
OF
42





ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

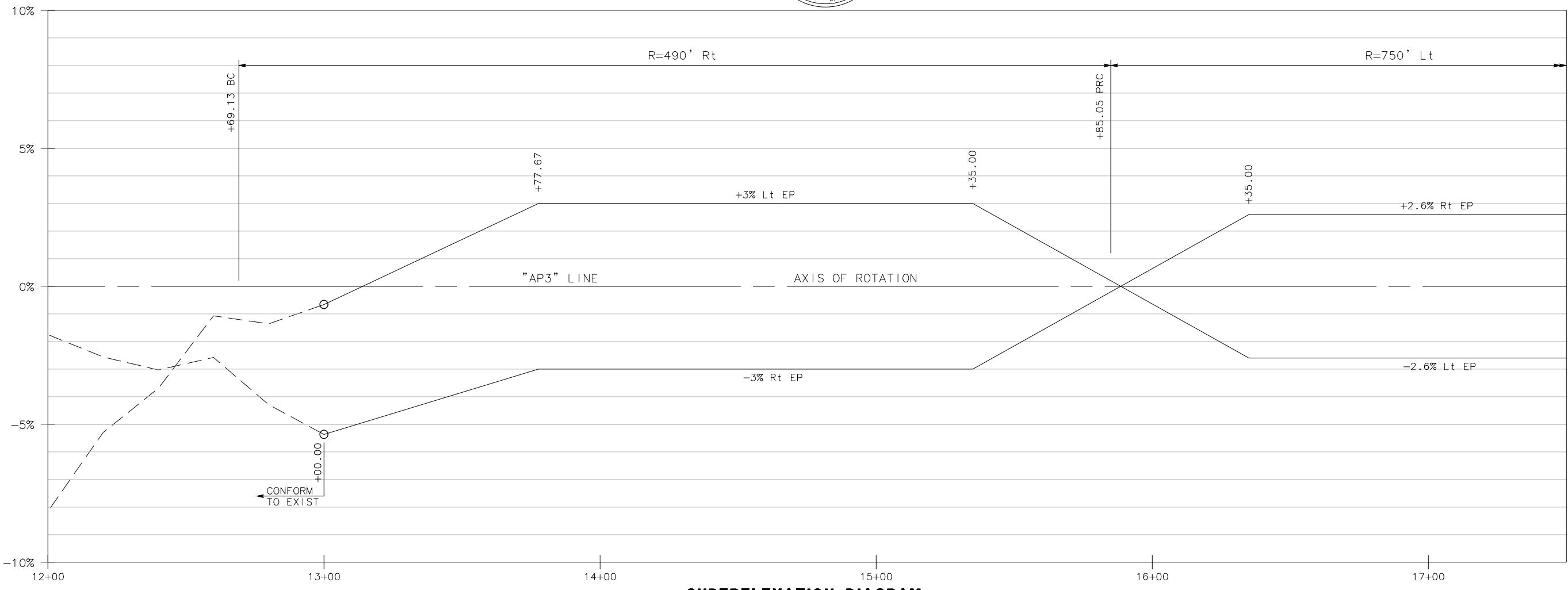
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS**

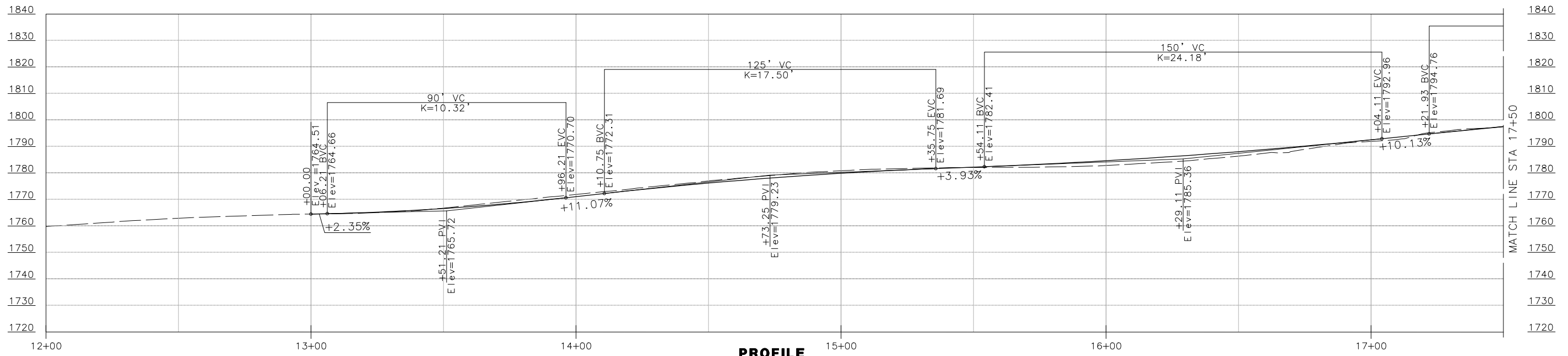
ALDERPOINT RD STORM DAMAGE (PM 2.70)

PROFILE AND SUPERELEVATION

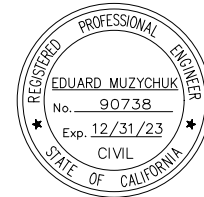
SHEET
20
OF
42



SUPERELEVATION DIAGRAM
SCALE: HORIZ 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 5'

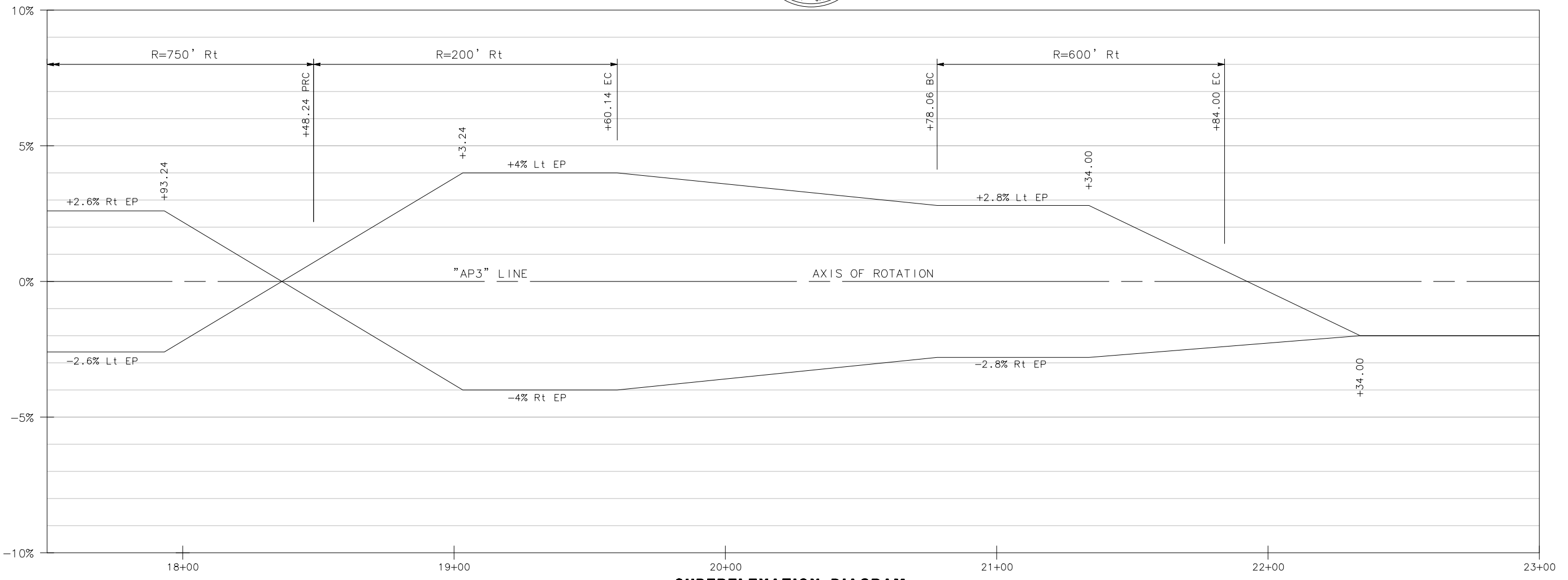


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F68165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

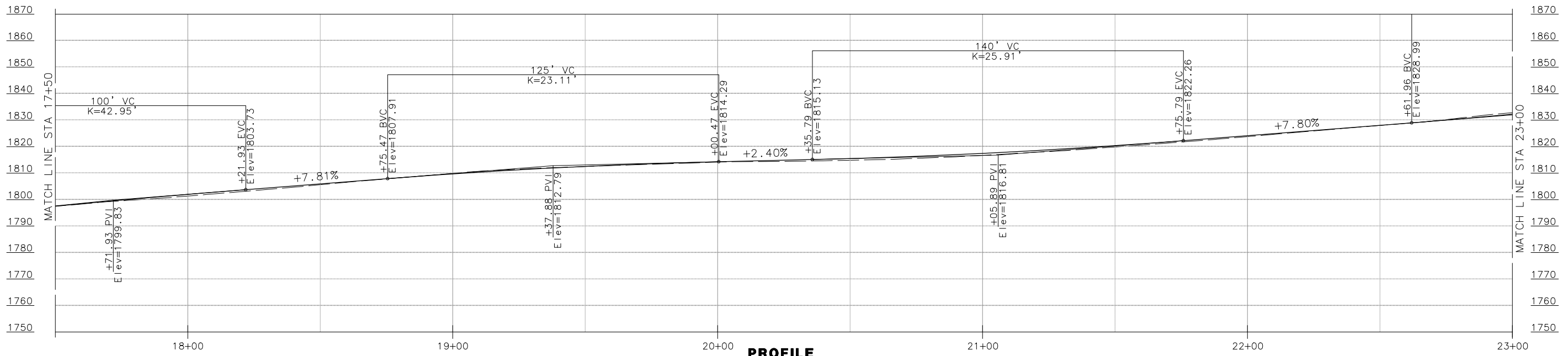
MARK THOMAS
 DESIGNED BY: CM
 DRAWN BY: CM/FL
 REVIEWED BY: KD
 APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
PROFILE AND SUPERELEVATION

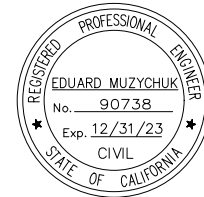
SHEET **21**
 OF
42



SUPERELEVATION DIAGRAM
 SCALE: HORIZ 1" = 20'



PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 5'



ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

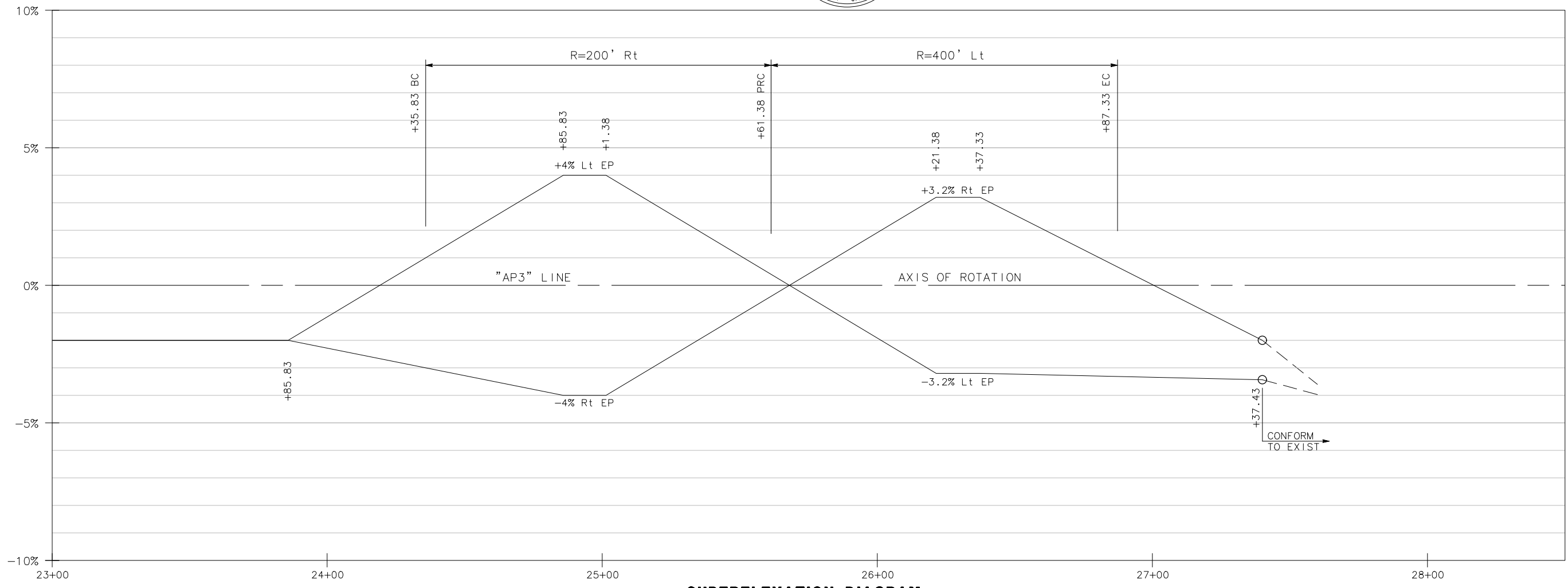
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS**

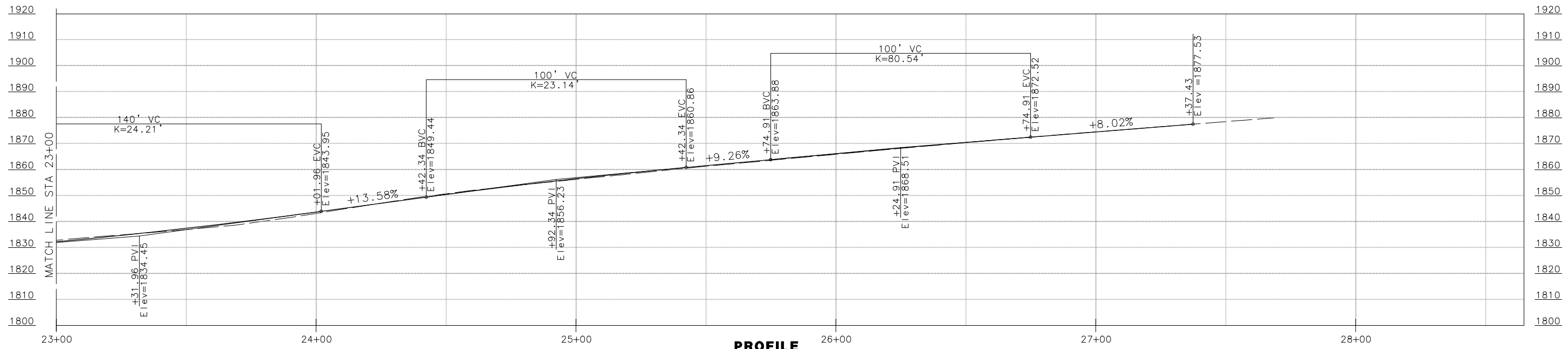
ALDERPOINT RD STORM DAMAGE (PM 2.70)

PROFILE AND SUPERELEVATION

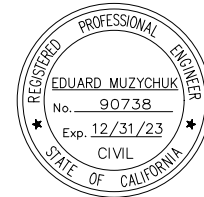
SHEET
22
OF
42



SUPERELEVATION DIAGRAM
SCALE: HORIZ 1" = 20'

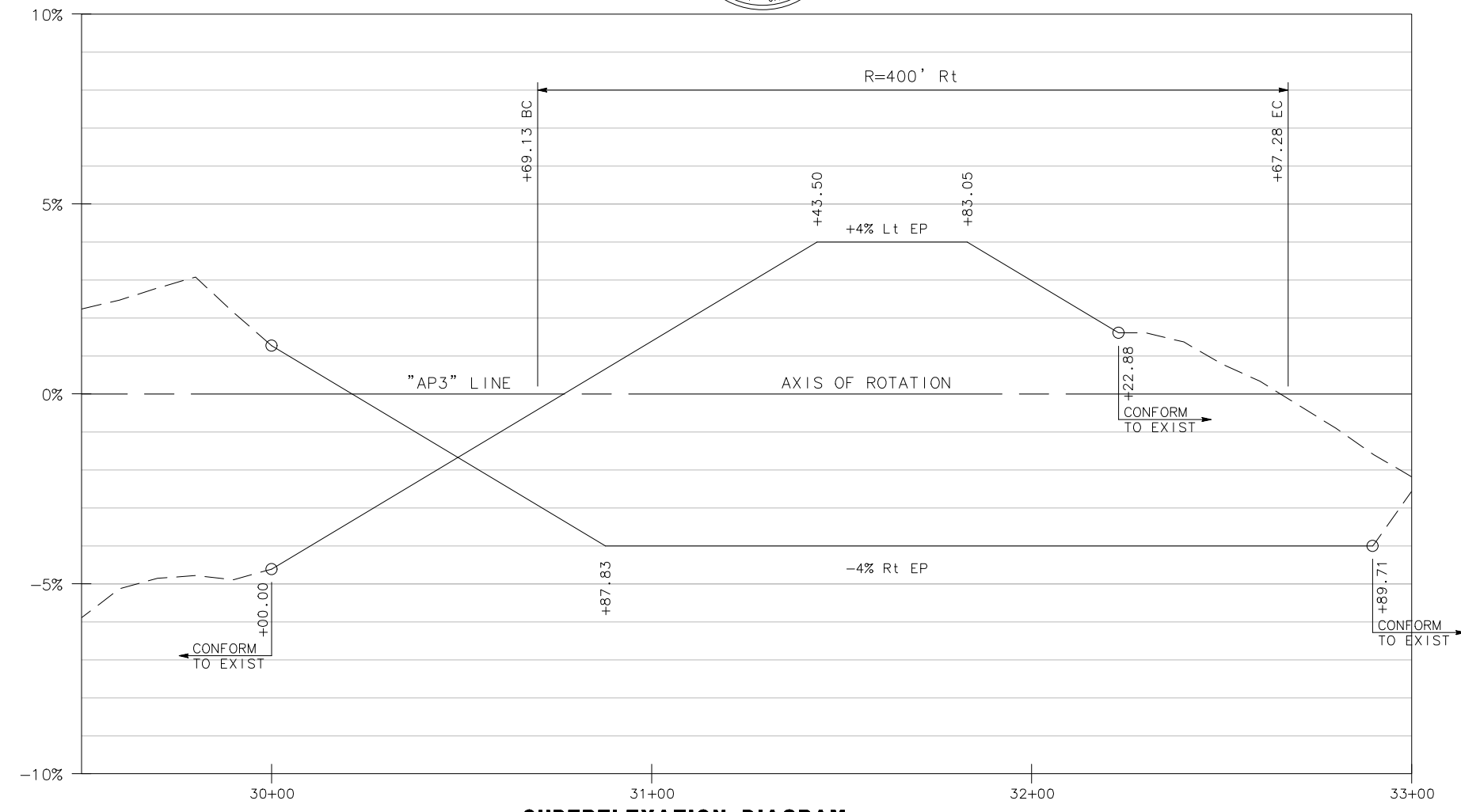


PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 5'

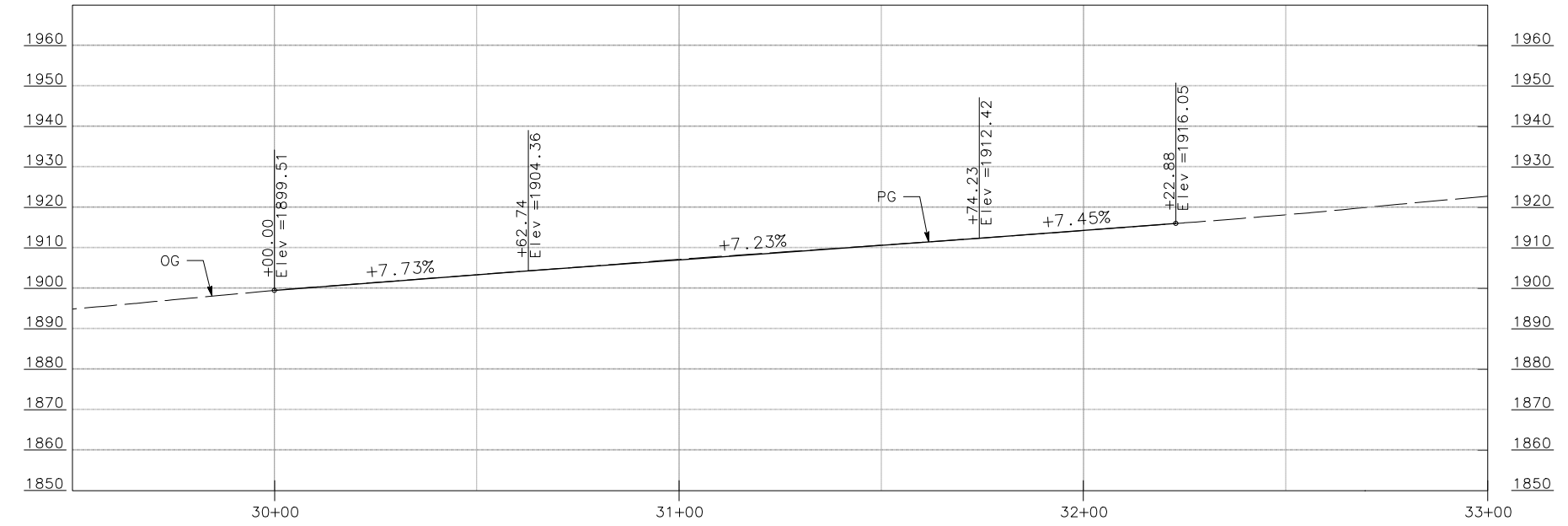


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: FL
DRAWN BY: SS/FL
REVIEWED BY: GH
APPROVED BY: EM



SUPERELEVATION DIAGRAM
SCALE: HORIZ 1" = 20'



PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 5'

NOTE:

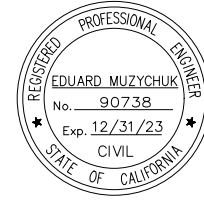
1. NO DRAINAGE SHALL BE DIRECTED TOWARDS THE HOUSE.
2. FOR STEEL PIPE INLET DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, D75A.

LEGEND:

- +---(oh)--- EXIST AT&T OVERHEAD TELEPHONE LINE
- sd--- EXIST STORM DRAIN
- w--- EXIST WATER LINE
- sd---sd--- STORM DRAIN
- +---+--- WATER LINE
- +---+--- UNDERDRAIN

DRAINAGE SYSTEM ID

SCALE: 1" = 20'

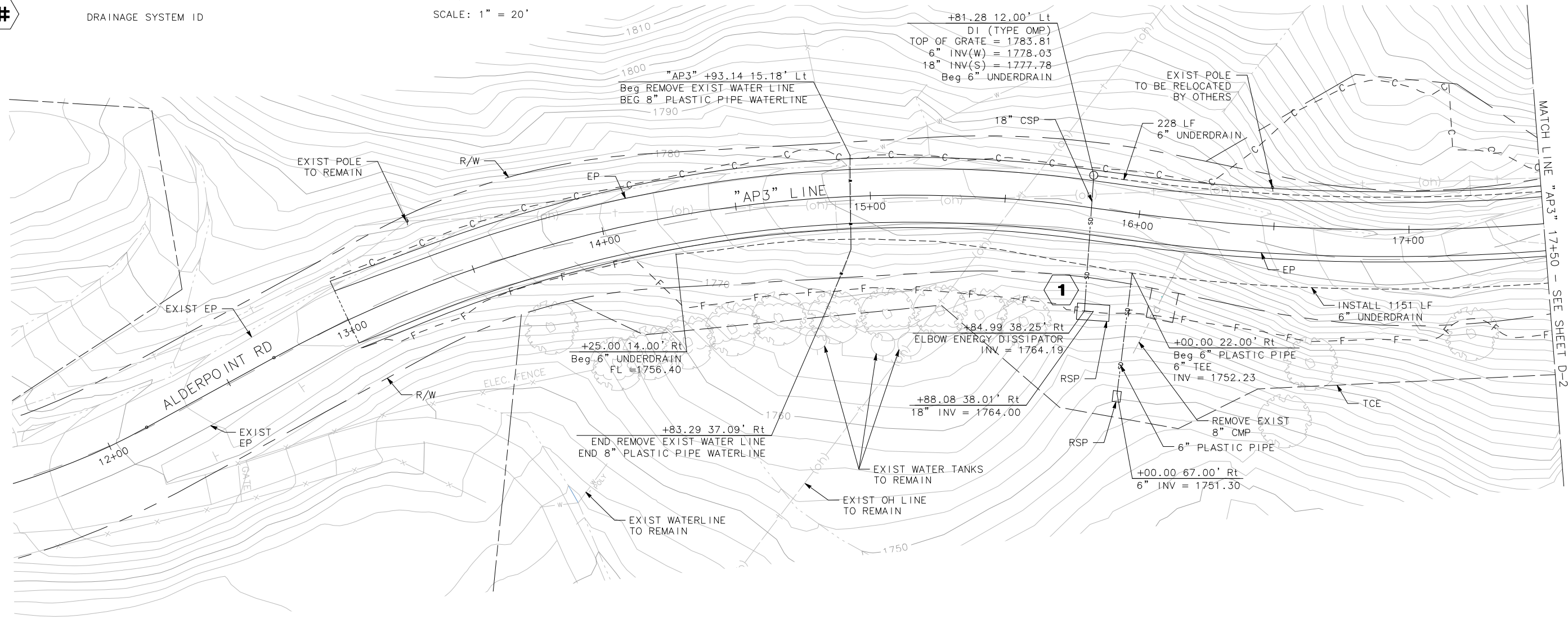


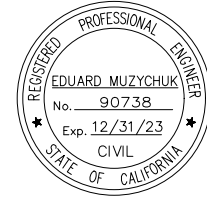
ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
DRAINAGE AND UTILITIES**

SHEET
24
OF
42





ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

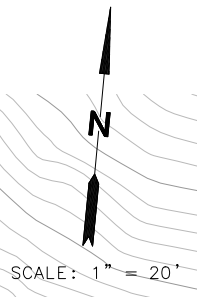
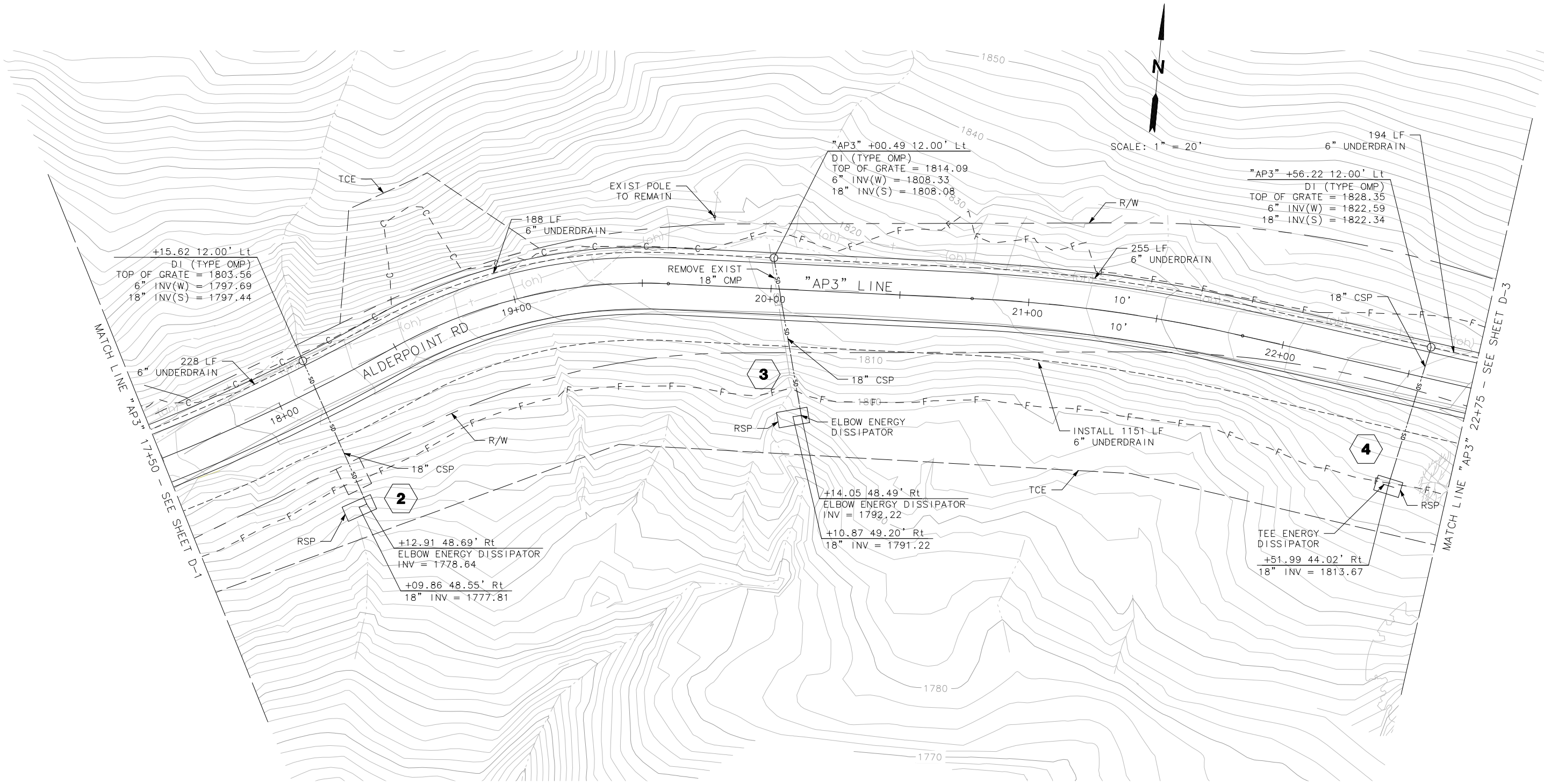
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

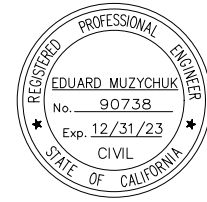
**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS**

ALDERPOINT RD STORM DAMAGE (PM 2.70)

DRAINAGE AND UTILITIES

SHEET
25
OF
42



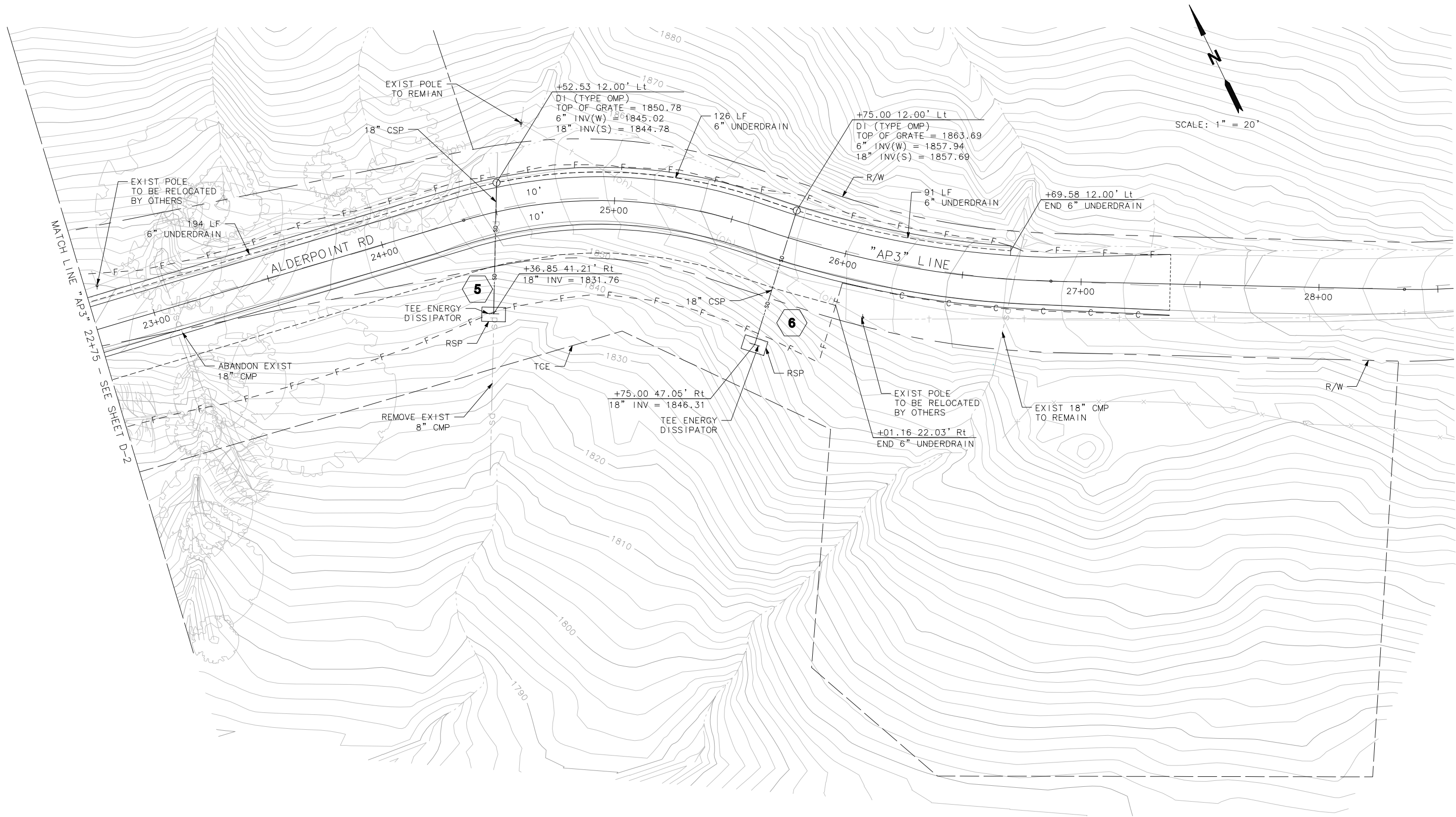


BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: F6B165	EA NO:
	PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
	CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
	PLOT DATE: APRIL 2023	REVISION DATE:

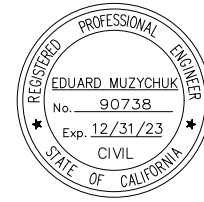
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
DRAINAGE AND UTILITIES

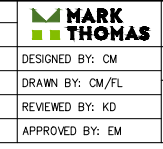
SHEET
26
OF
42



D-3

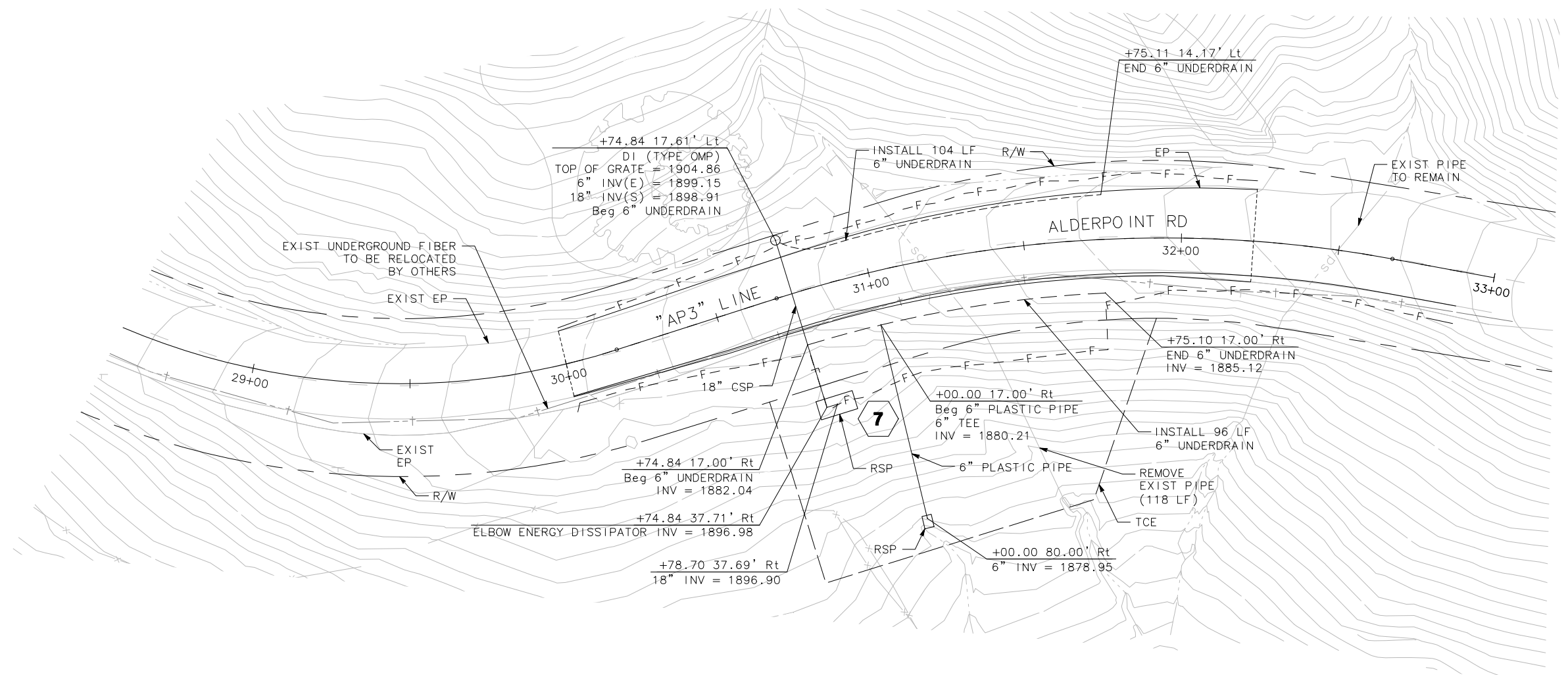
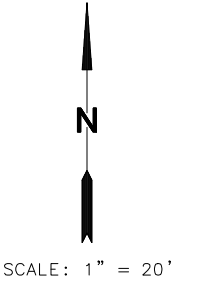


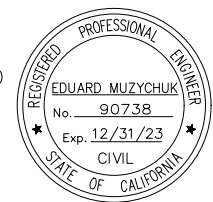
ROAD NAME: ALDERPOINT ROAD		MILE POST: 2.10, 2.70 AND 2.98	
ROAD NO: F6B165	PROJECT NO.: ER32LO(268/270/271)	EA NO.:	DESIGNED BY: CM
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:	BRIDGE NO: N/A	DRAWN BY: CM/FL
PLOT DATE: APRIL 2023	REVISION DATE:	REVIEWED BY: KD	APPROVED BY: EM



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
DRAINAGE AND UTILITIES

SHEET
27
OF
42

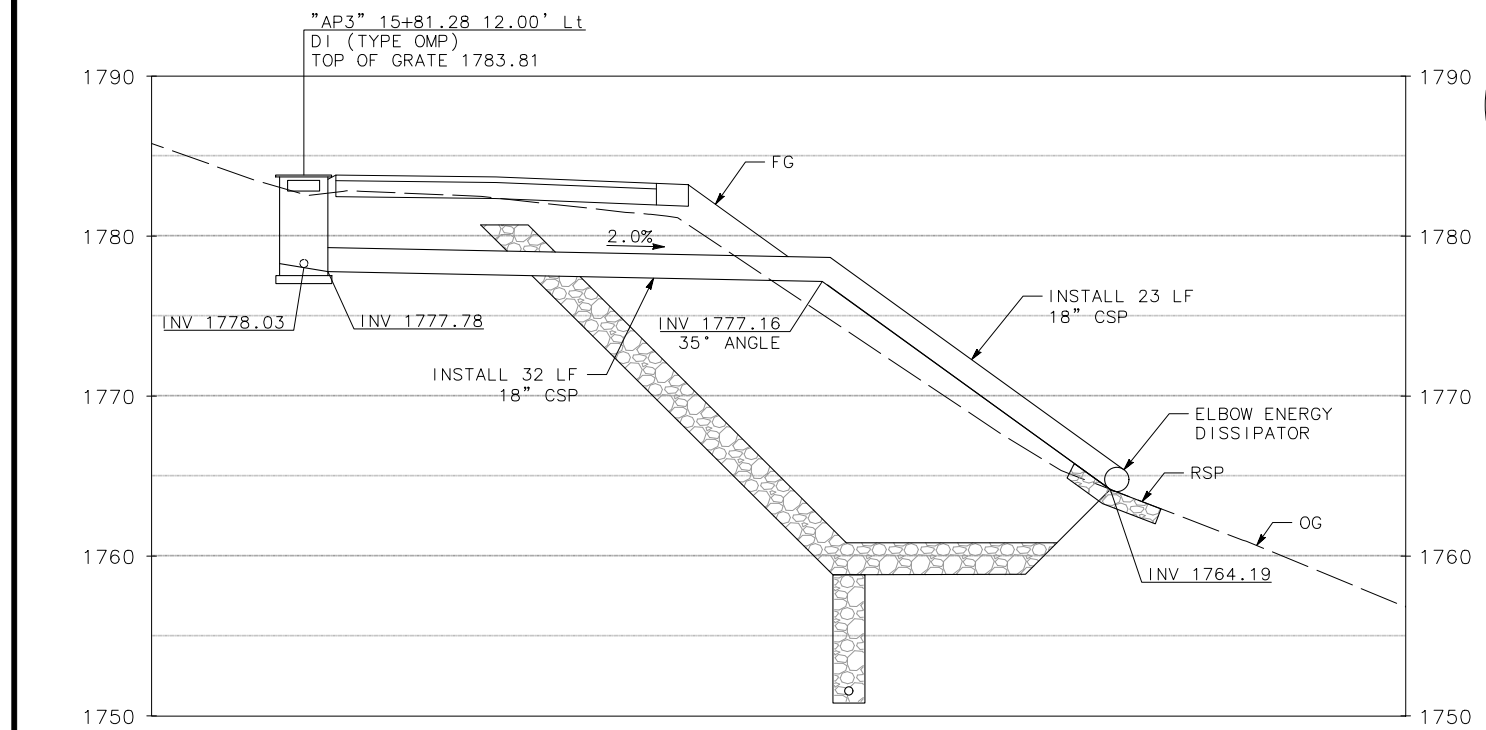




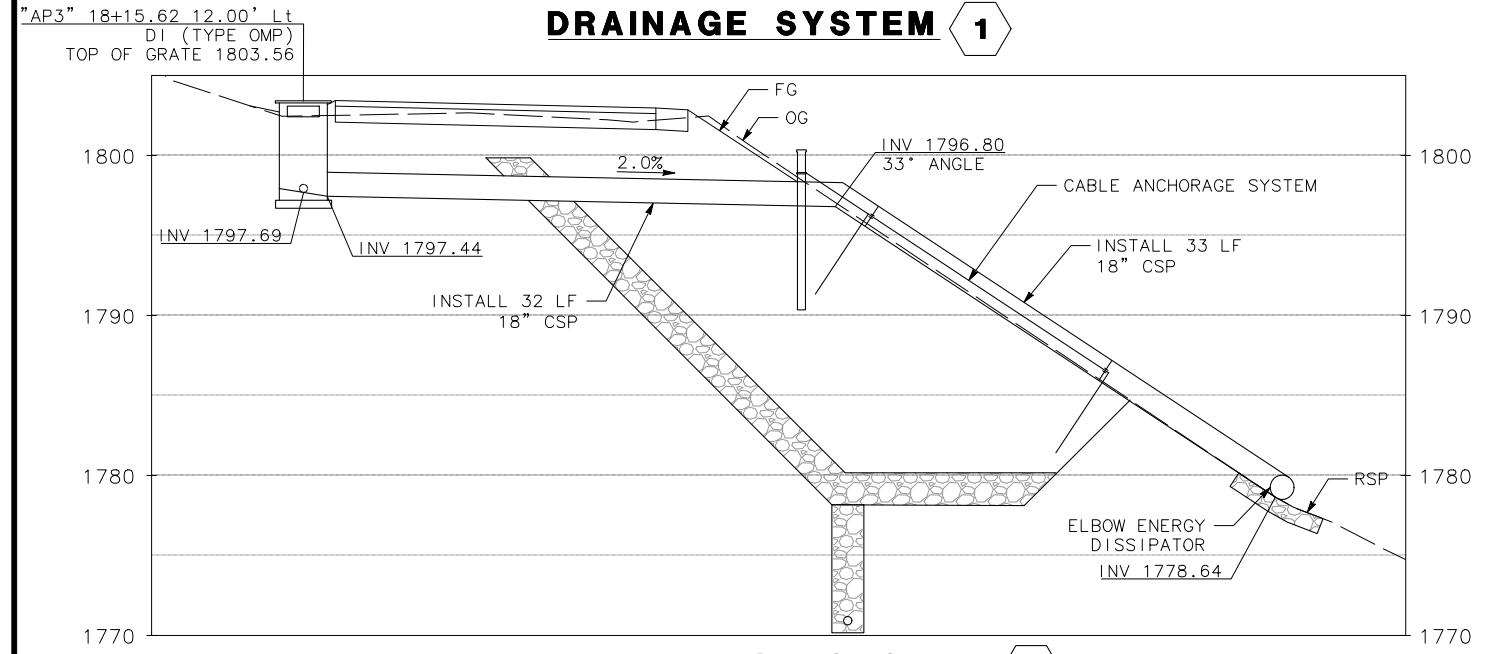
ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F68165	EA NO:
PROJECT NO: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

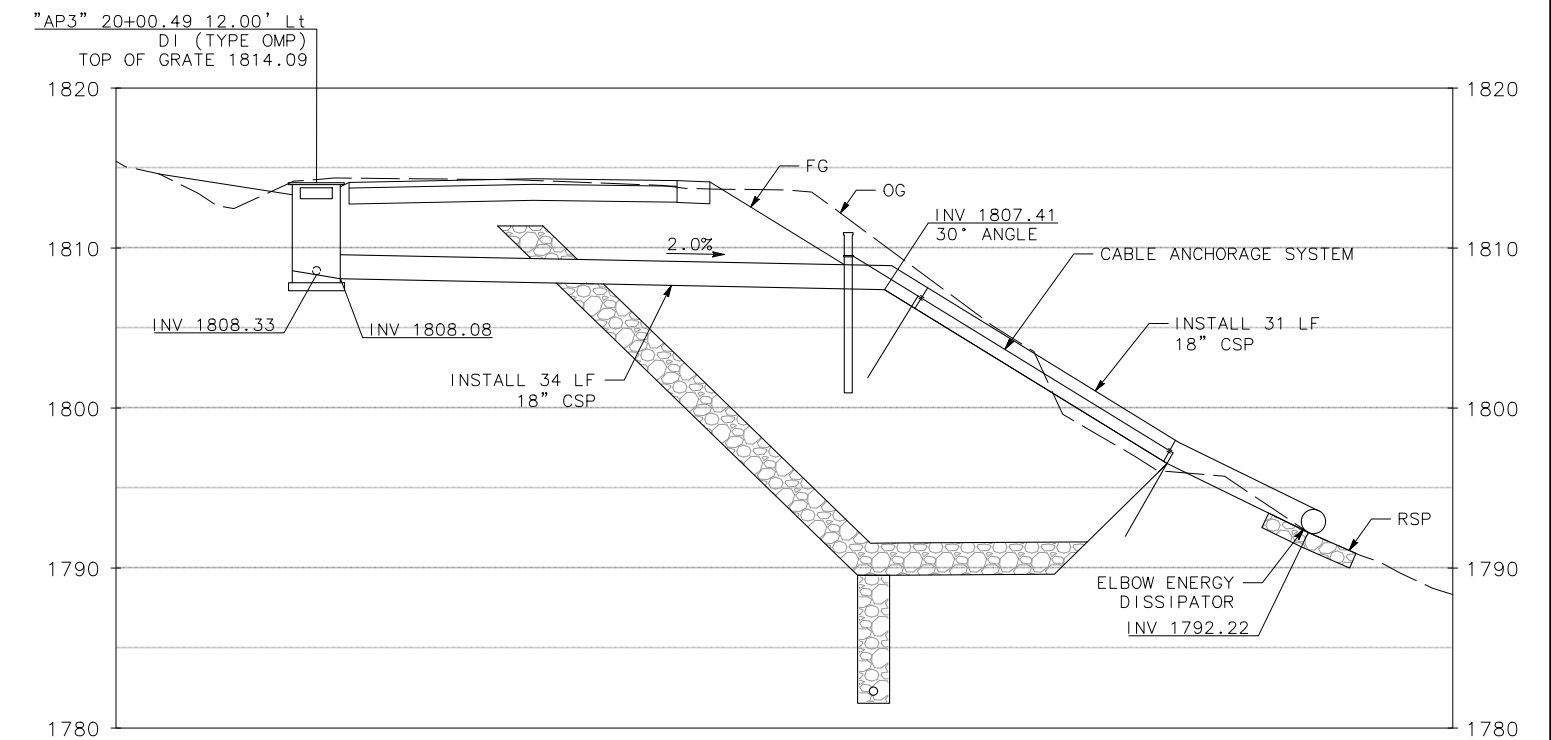
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 28
ALDERPOINT RD STORM DAMAGE (PM 2.70)	OF 42
DRAINAGE DETAILS	



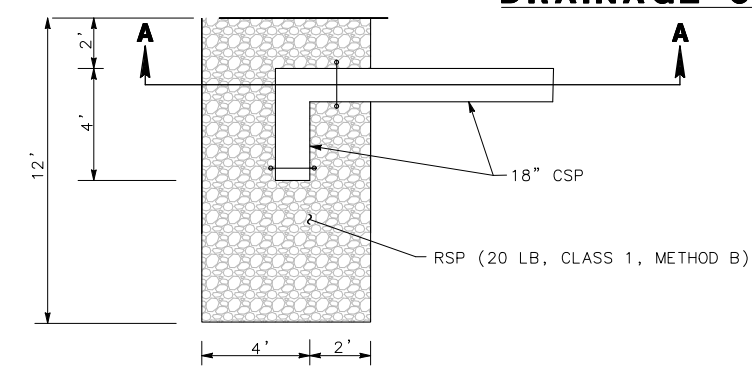
DRAINAGE SYSTEM 1



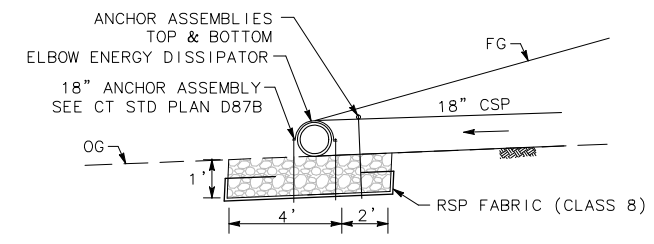
DRAINAGE SYSTEM 2



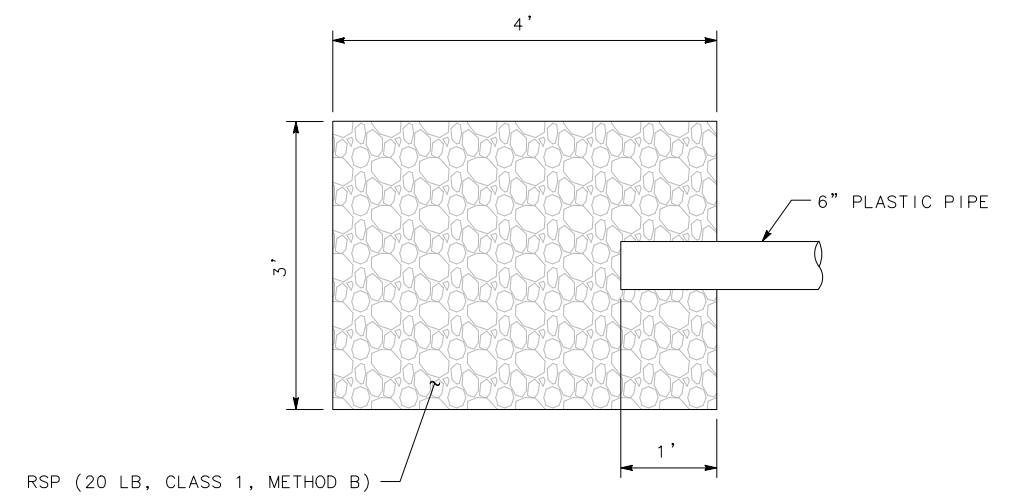
DRAINAGE SYSTEM 3



PLAN



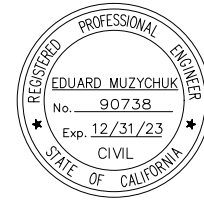
SECTION A-A



UNDERDRAIN OUTFALL

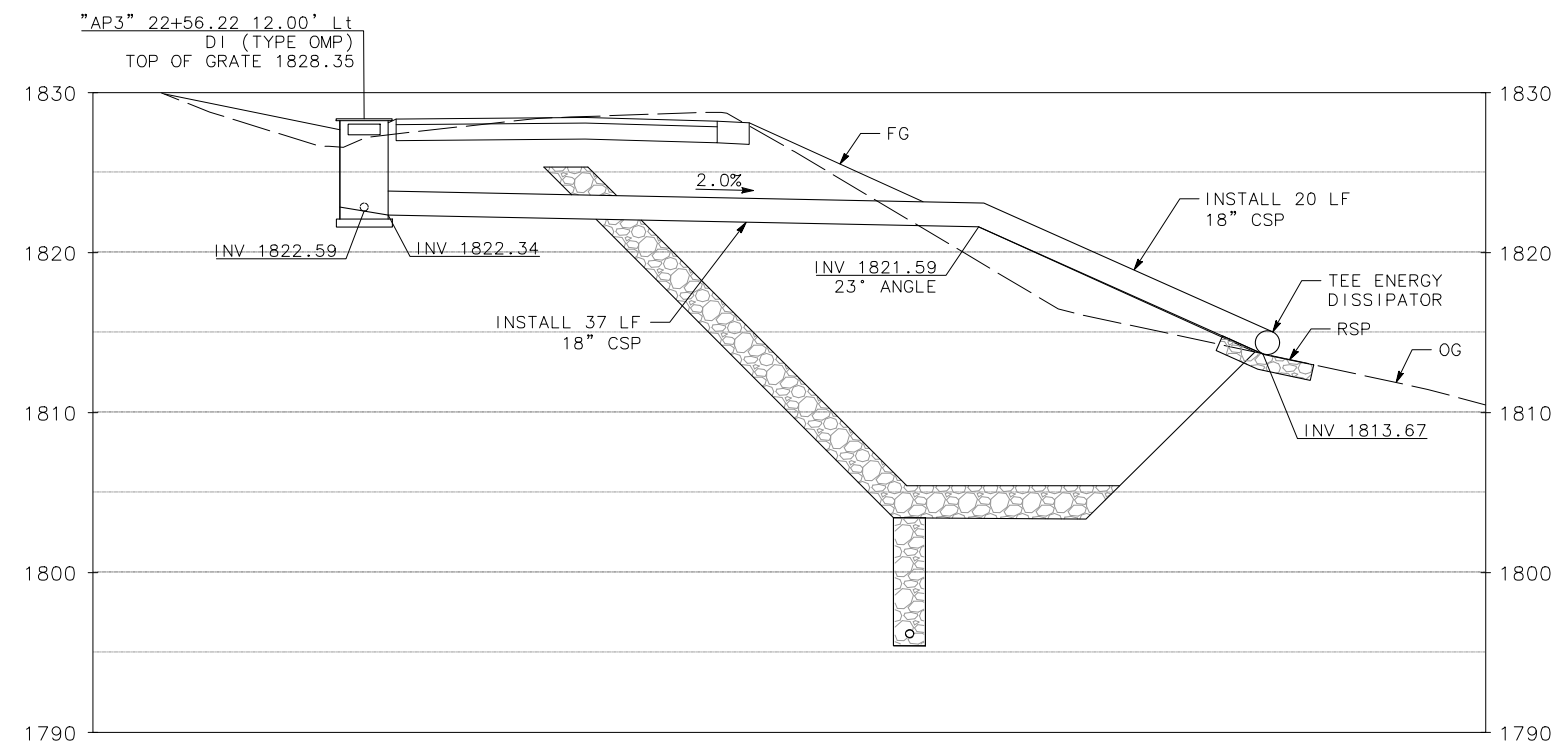
ELBOW ENERGY DISSIPATOR & ROCK SLOPE PROTECTION (RSP)

- 1
- 2
- 3
- 7

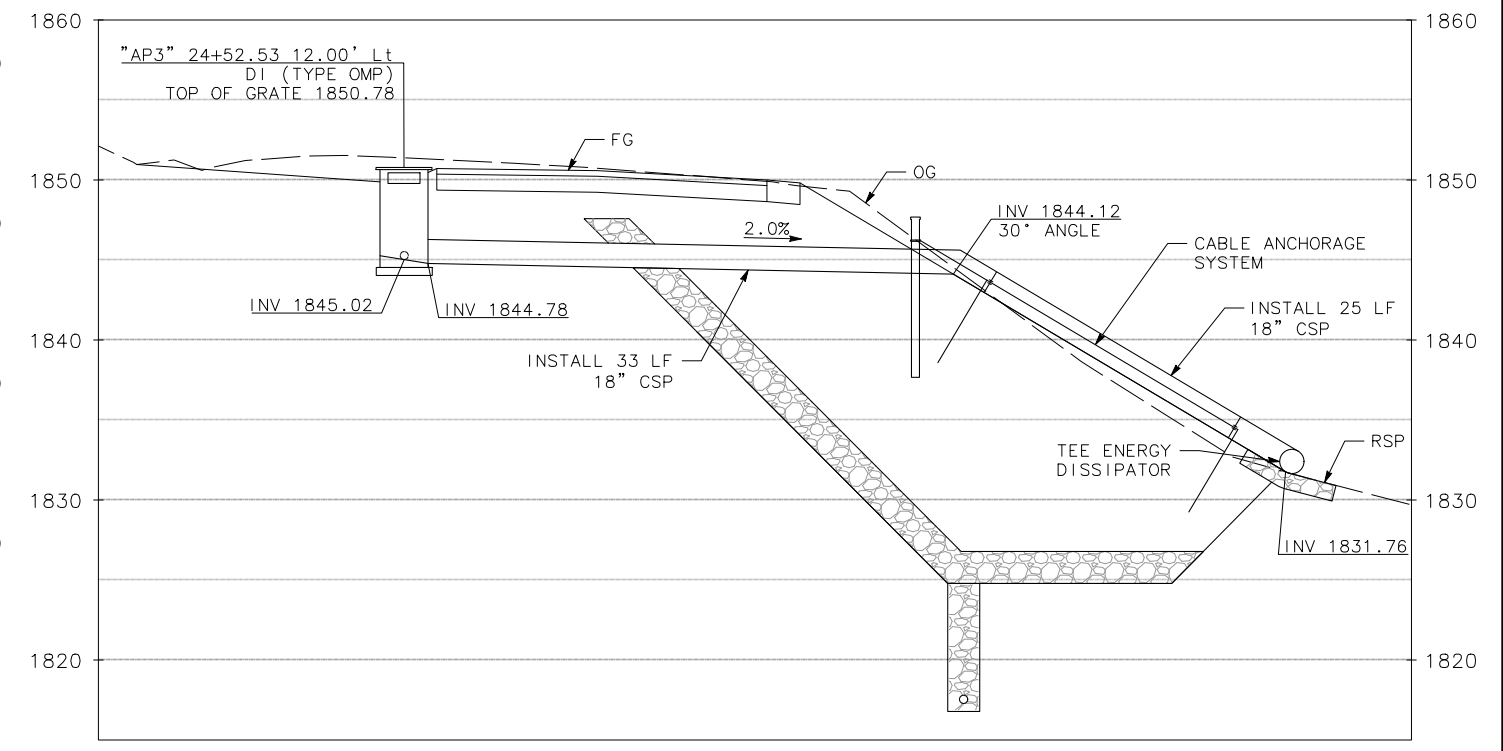


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

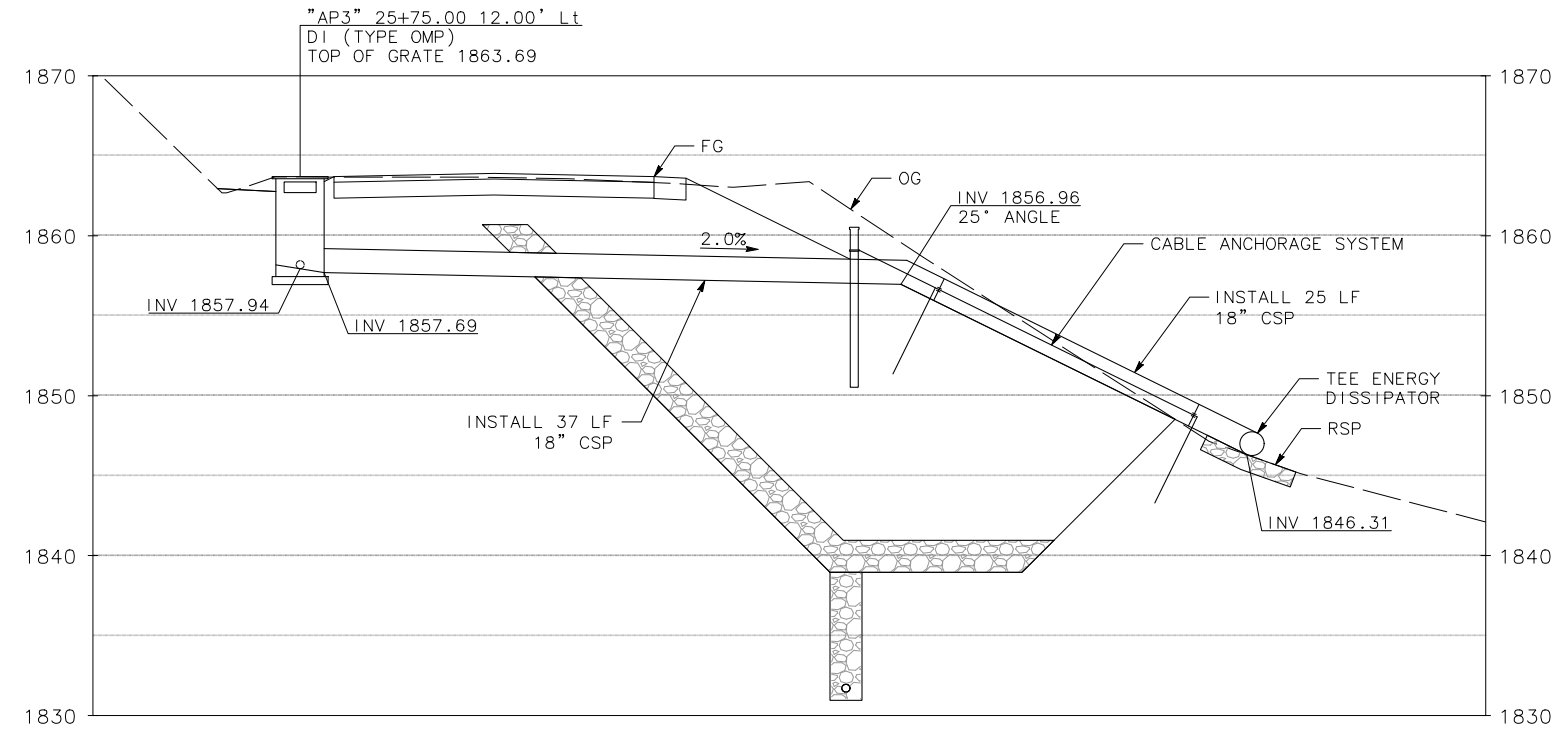
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM



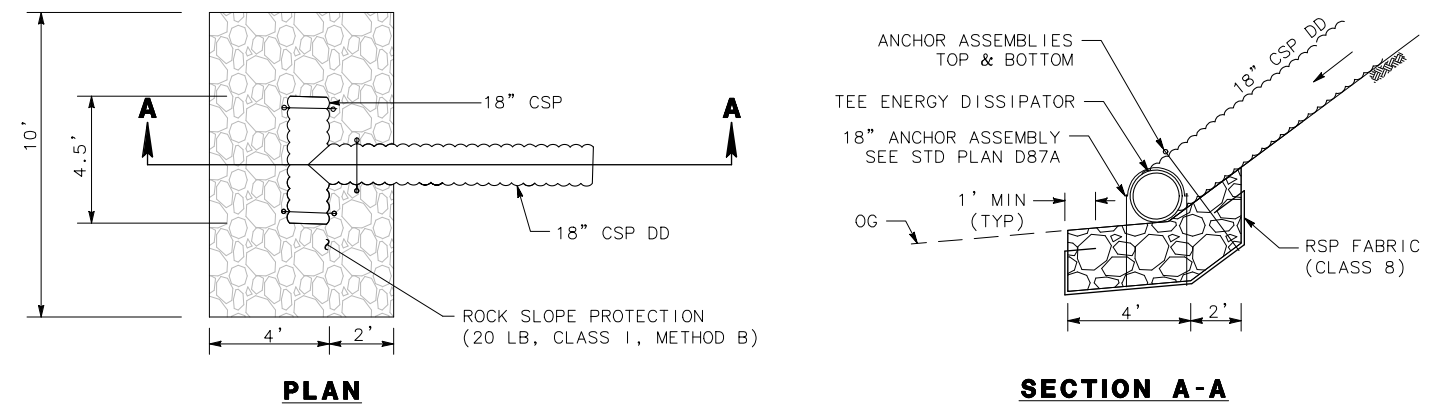
DRAINAGE SYSTEM 4



DRAINAGE SYSTEM 5



DRAINAGE SYSTEM 6



TEE ENERGY DISSIPATOR & ROCK SLOPE PROTECTION (RSP)

4 5 6

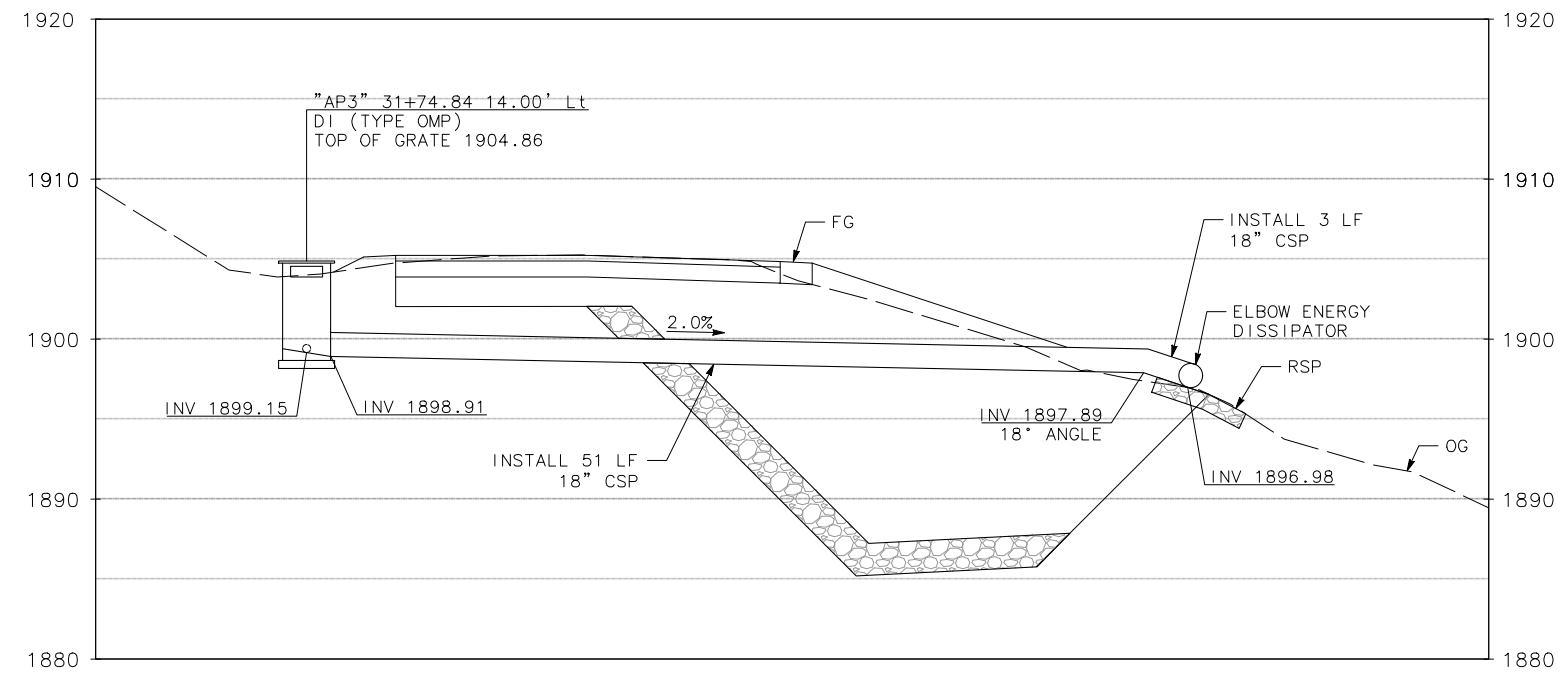


ROAD NAME: ALDERPOINT ROAD	
ROAD NO: F6B165	MILE POST: 2.10, 2.70 AND 2.98
PROJECT NO.: ER32LO(268/270/271)	EA NO.:
CONTRACT NO.: 217245/217247	BRIDGE NO: N/A
DRAWING FILE NAME:	
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: FL
DRAWN BY: SS/FL
REVIEWED BY: GH
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.98)
DRAINAGE DETAILS

SHEET **30**
OF
42


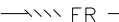

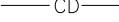




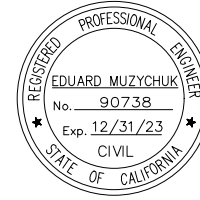
DRAINAGE SYSTEM 7

NOTES:

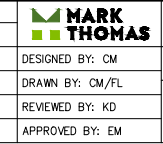
1. CONSTRUCTION ENTRANCE BMP'S MUST BE INSTALLED TO CONTROL VEHICLE TRACKING.

LEGEND:

-  DRY SEED AND STRAW
-  FR — FIBER ROLL
-  TSF — TEMP SILT FENCE
-  CD — TEMP CHECK DAM
-  [] — TEMP INLET PROTECTION
-  [] — TEMP CONSTRUCTION ENTRANCE



ROAD NAME: ALDERPOINT ROAD		MILE POST: 2.10, 2.70 AND 2.98	
ROAD NO: F68165	PROJECT NO.: ER32LO(268/270/271)	EA NO.:	DESIGNED BY: CM
CONTRACT NO.: 217245/217247	BRIDGE NO: N/A		DRAWN BY: CM/FL
DRAWING FILE NAME:		REVIEWED BY: KD	
PLOT DATE: APRIL 2023	REVISION DATE:		APPROVED BY: EM

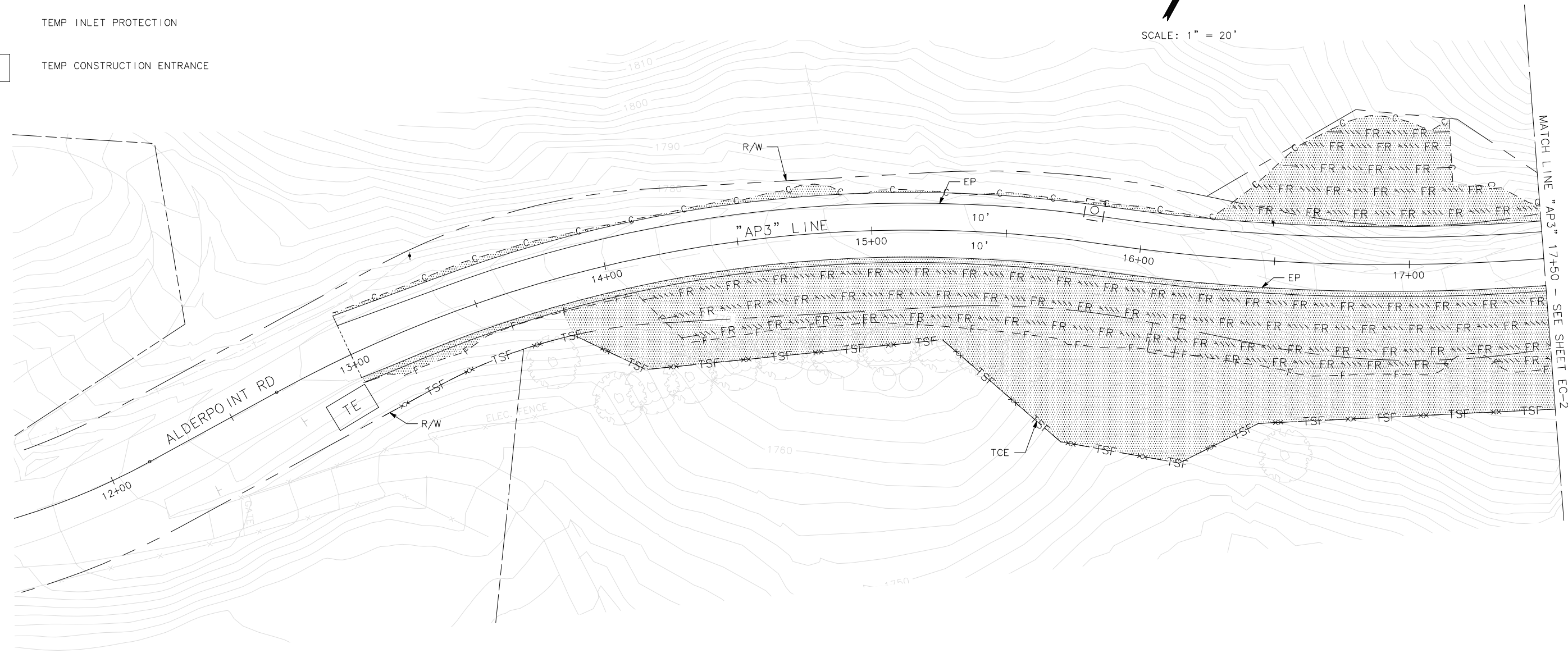
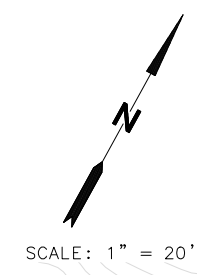


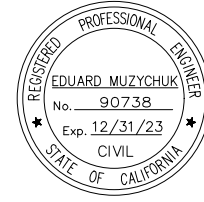
**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS**

ALDERPOINT RD STORM DAMAGE (PM 2.70)

EROSION CONTROL PLAN

SHEET
31
OF
42



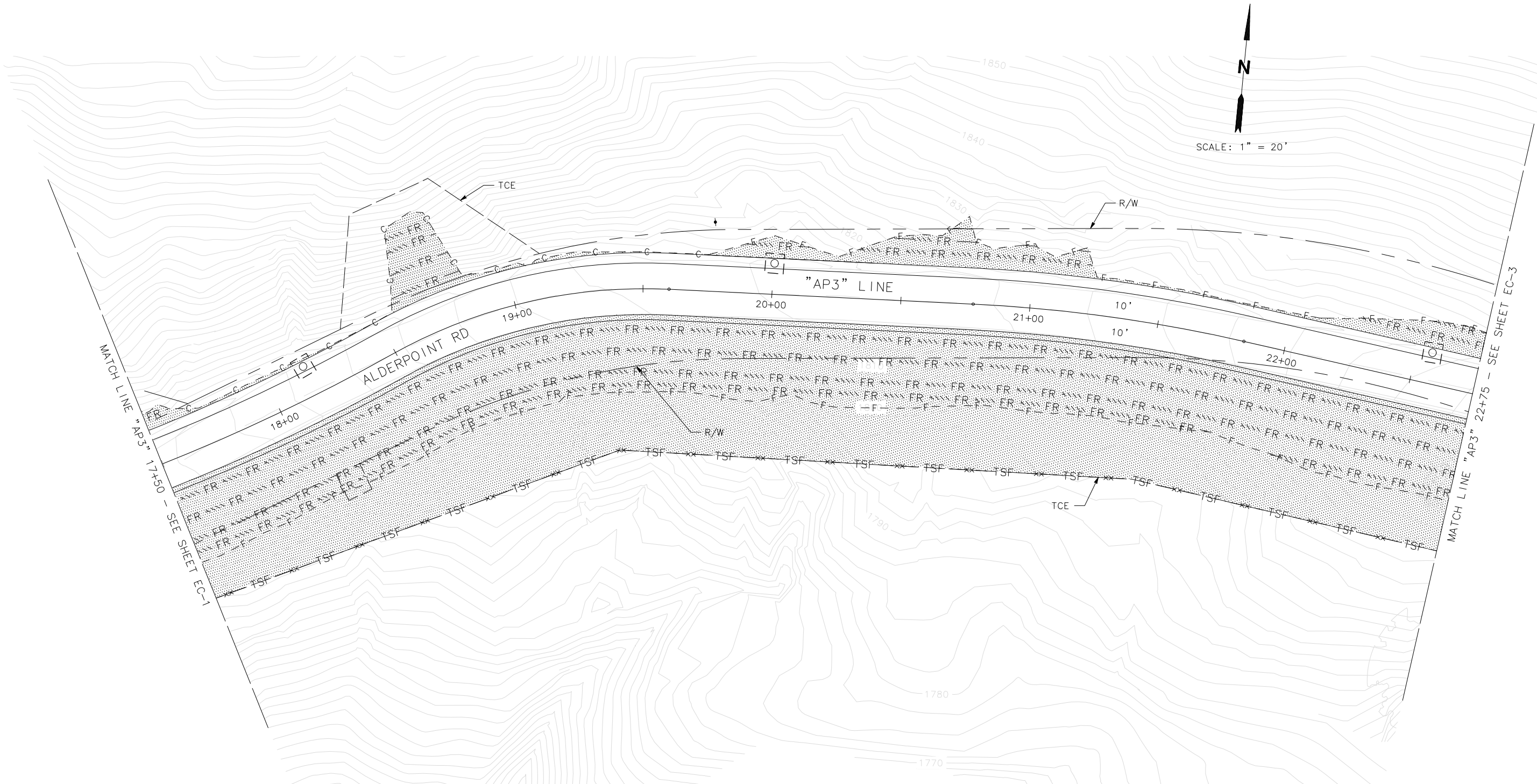


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
EROSION CONTROL PLAN

SHEET
32
OF
42

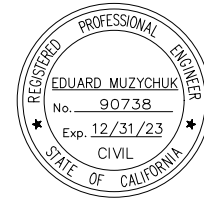


MATCH LINE "AP3" 17+50 - SEE SHEET EC-1

MATCH LINE "AP3" 22+75 - SEE SHEET EC-3

EC-2

THIS PLAN ACCURATE FOR EROSION CONTROL ONLY

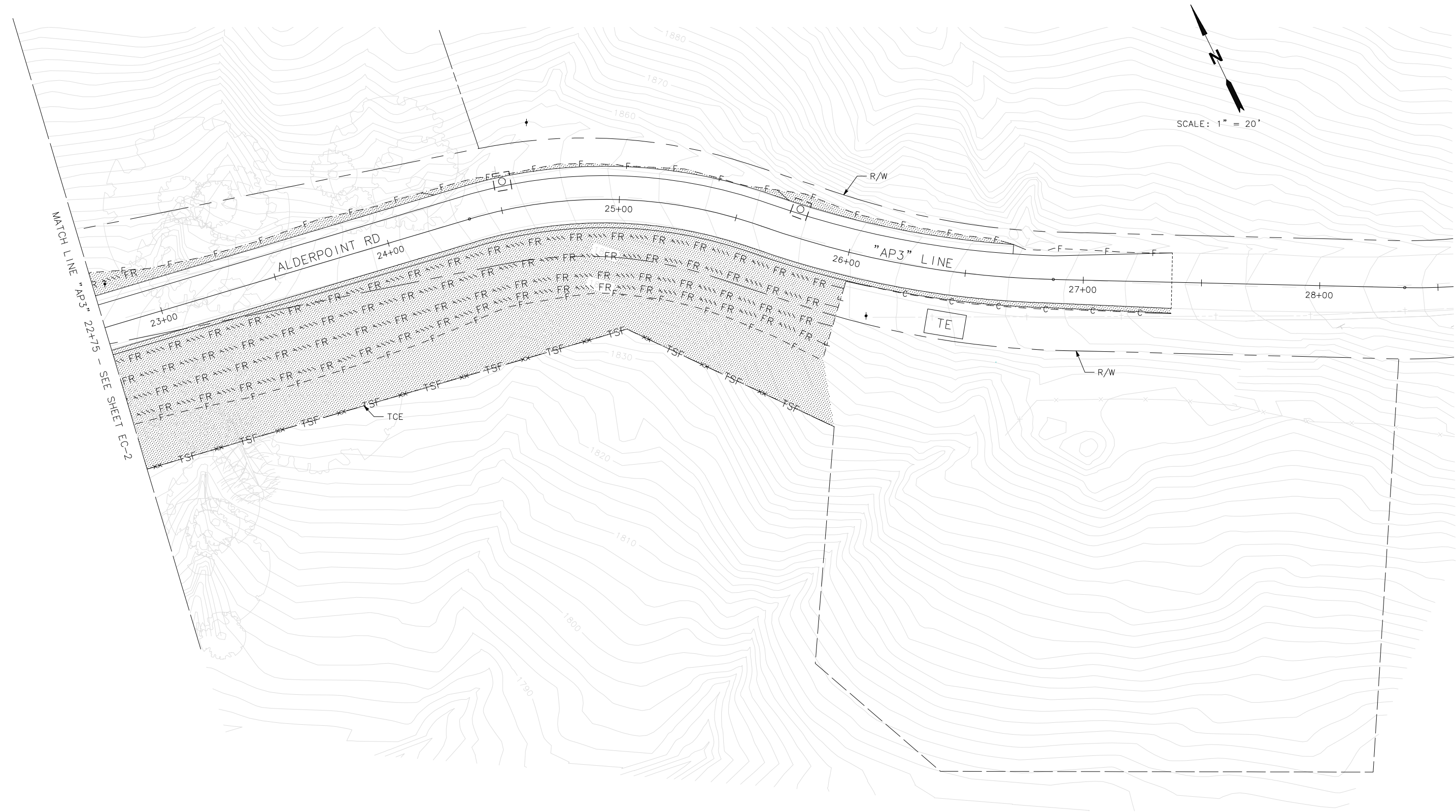


BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
	ROAD NO: F6B165	EA NO:
	PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
	PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
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COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
EROSION CONTROL PLAN

SHEET
33
OF
42










EC-3

NOTES:

1. PERMANENT DRAINAGE AND UTILITIES NOT SHOWN ON THESE PLANS. SEE DRAINAGE AND UTILITY PLAN.
2. CONSTRUCT PAVING UNDER TRAFFIC CONTROL. MAINTAIN AT LEAST 10' FOR TWO-WAY ONE-LANE TRAFFIC.
3. ALL EXISTING PAVEMENT DELINEATION IN CONFLICT WITH STAGE CONSTRUCTION SHALL BE REMOVED.

LEGEND

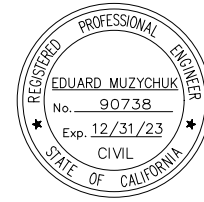
-  WORK AREA
-  TRAVEL DIRECTION(S)
-  TEMP RAILING (TYPE K)
-  CONSTRUCTION AREA SIGN SINGLE POST
-  TEMP 12" WHITE LIMIT LINE
-  CHANNELIZERS
-  TEMP TRAFFIC SIGNAL

CONSTRUCTION THIS STAGE:

- ① PAINT TEMP 12" WIDE WHITE LIMIT LINE, EACH DIRECTION. PLACE ADVANCED WARNING CONSTRUCTION AREA SIGNS AS SHOWN.
- ② CONSTRUCT DRAINAGE INLET, UNDER DRAINS AND OUTFALL PIPE.
- ③ CONSTRUCT REINFORCED EMBANKMENT, NEW PAVEMENT SECTION, AND OVSIDE DRAIN PER PLANS.

TRAFFIC THIS STAGE:

1. ALLOW SINGLE-LANE CONTROLLED TRAFFIC AND PERIODIC TEMPORARY ROAD CLOSURES DURING CONSTRUCTION.

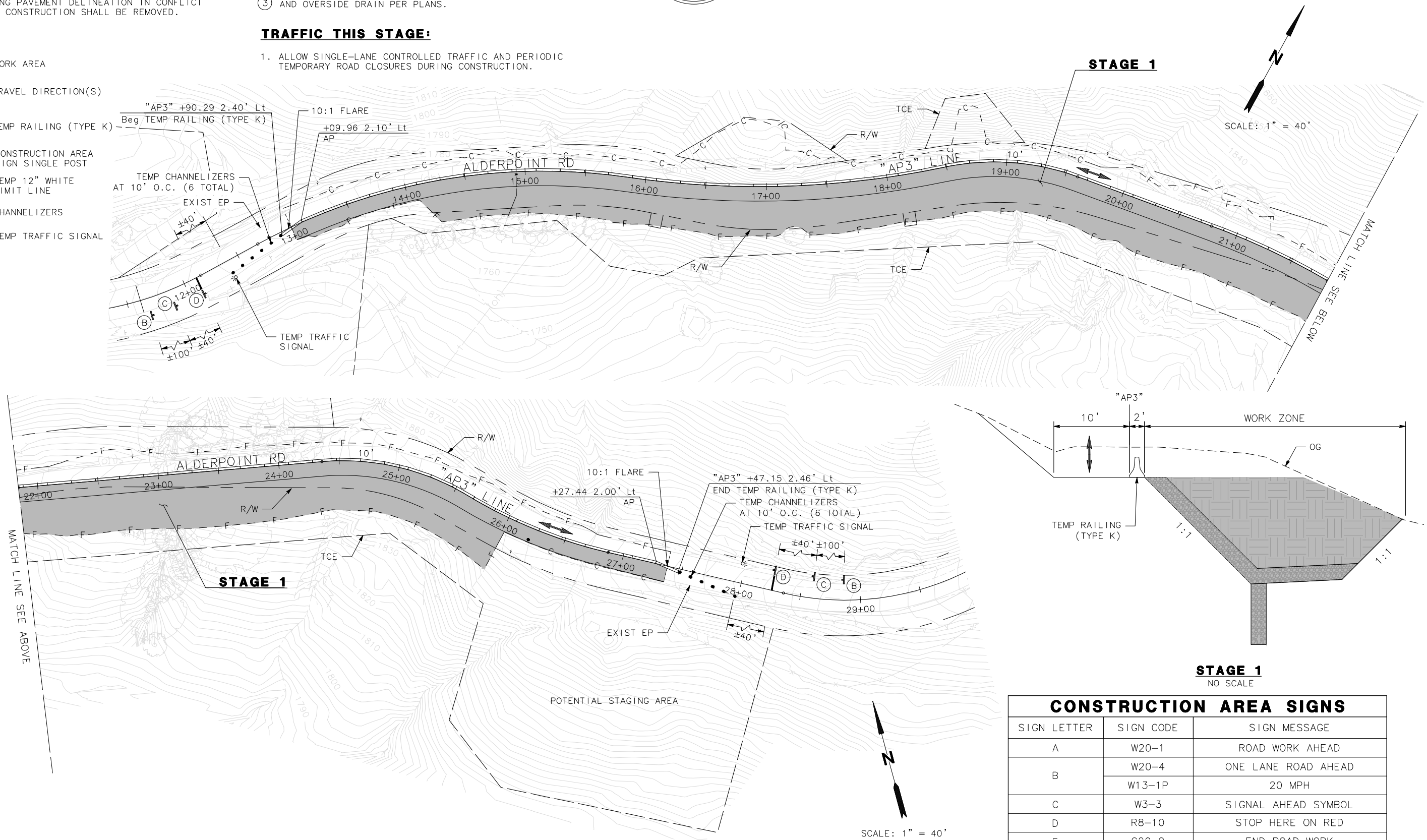


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
STAGING AND TRAFFIC HANDLING PLAN

SHEET
35
OF
42



STAGE 1
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	W3-3	SIGNAL AHEAD SYMBOL
D	R8-10	STOP HERE ON RED
E	G20-2	END ROAD WORK

STAGE 1 TRAFFIC CONTROL PLAN

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

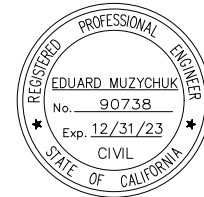
SC-1

CONSTRUCTION THIS STAGE:

- ① CONSTRUCT DRAINAGE INLET, UNDER DRAINS AND OUTFALL PIPE.
- ② CONSTRUCT REINFORCED EMBANKMENT, NEW PAVEMENT SECTION, AND OVERSIDE DRAIN PER PLANS.

TRAFFIC THIS STAGE:

1. ALLOW SINGLE-LANE CONTROLLED TRAFFIC AND PERIODIC TEMPORARY ROAD CLOSURES DURING CONSTRUCTION.

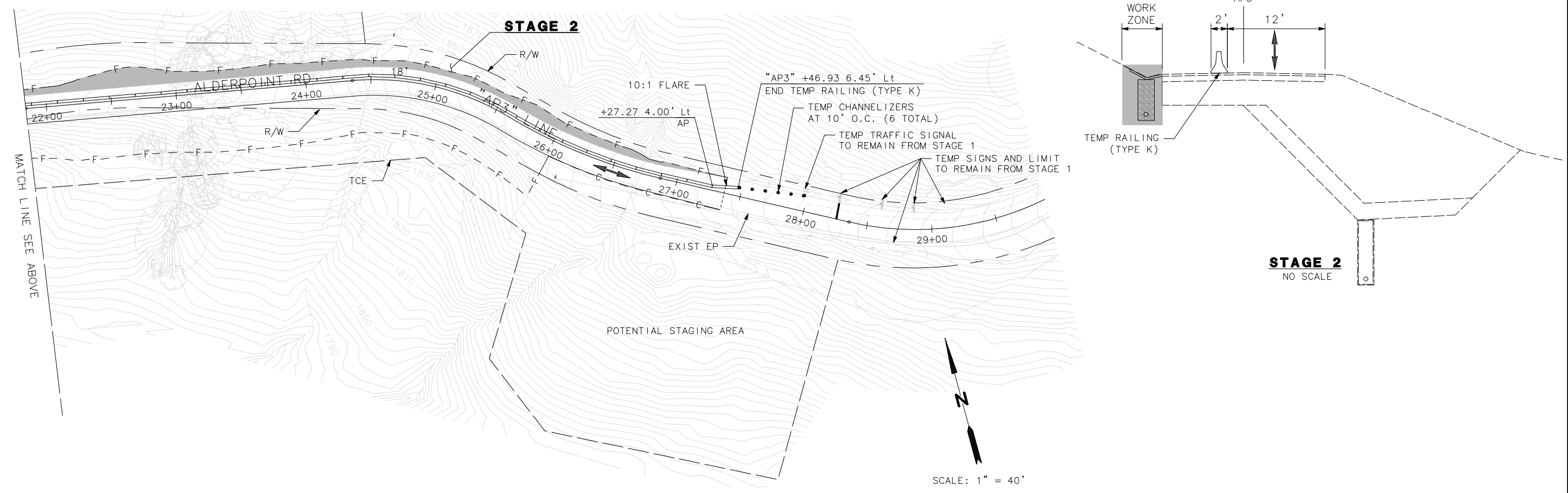
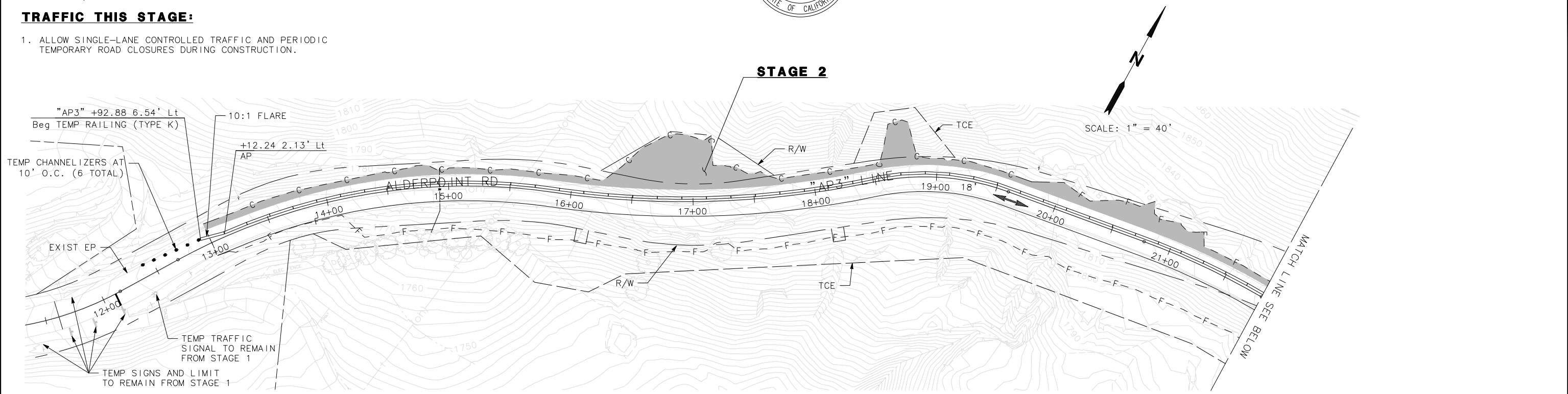


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
STAGING AND TRAFFIC HANDLING PLAN

SHEET **36**
OF
42



STAGE 2 TRAFFIC CONTROL PLAN

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

SC-2

NOTES:

1. PERMANENT DRAINAGE AND UTILITIES NOT SHOWN ON THESE PLANS. SEE DRAINAGE AND UTILITY PLAN.
2. CONSTRUCT PAVING UNDER TRAFFIC CONTROL. MAINTAIN AT LEAST 10' FOR TWO-WAY ONE-LANE TRAFFIC.
3. ALL EXISTING PAVEMENT DELINEATION IN CONFLICT WITH STAGE CONSTRUCTION SHALL BE REMOVED.








CONSTRUCTION THIS STAGE:

- ① PAINT TEMP 12" WIDE WHITE LIMIT LINE, EACH DIRECTION. PLACE ADVANCED WARNING CONSTRUCTION AREA SIGNS AS SHOWN.
- ② CONSTRUCT UNDER DRAINS AND OUTFALL PIPE.
- ③ CONSTRUCT REINFORCED EMBANKMENT AND OVSERIDE DRAIN PER PLANS.

TRAFFIC THIS STAGE:

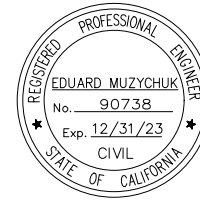
1. ALLOW SINGLE-LANE CONTROLLED TRAFFIC AND PERIODIC TEMPORARY ROAD CLOSURES DURING CONSTRUCTION.

LEGEND

-  WORK AREA
-  TRAVEL DIRECTION(S)
-  TEMP RAILING (TYPE K)
-  CONSTRUCTION AREA SIGN SINGLE POST
-  TEMP 12" WHITE LIMIT LINE
-  CHANNELIZERS
-  TEMP TRAFFIC SIGNAL

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	W3-3	SIGNAL AHEAD SYMBOL
D	R8-10	STOP HERE ON RED
E	G20-2	END ROAD WORK

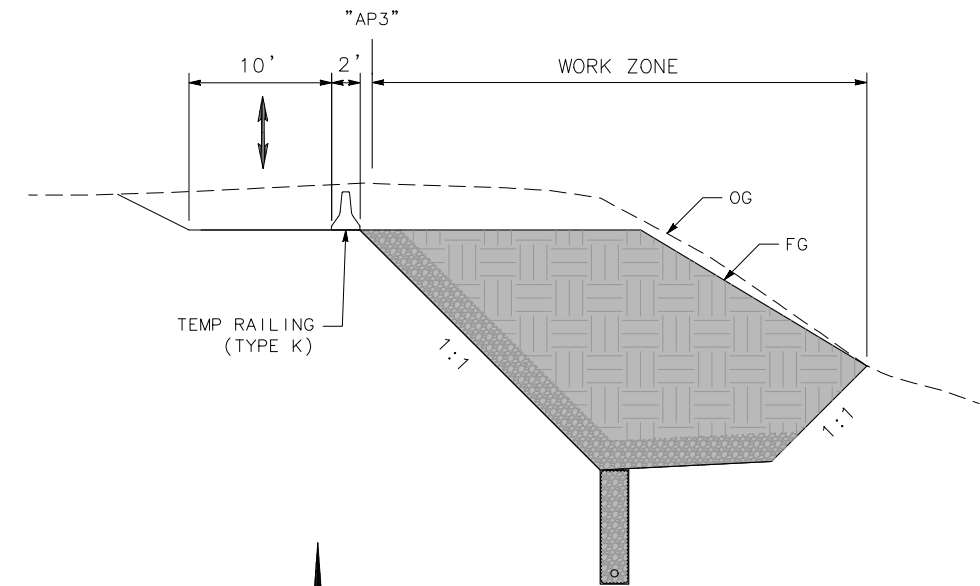


ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

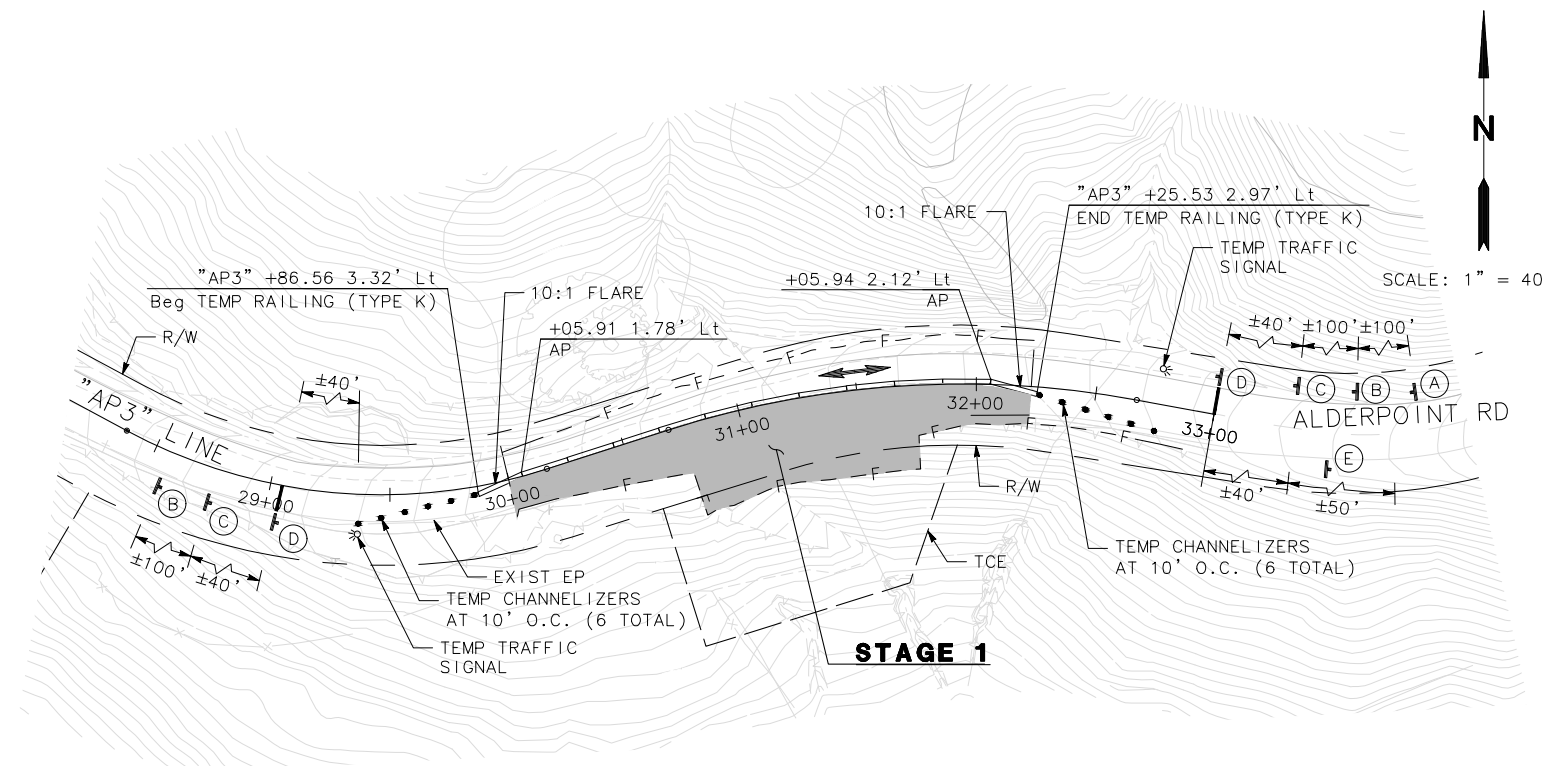
MARK THOMAS
DESIGNED BY: FL
DRAWN BY: SS/FL
REVIEWED BY: GH
APPROVED BY: EM

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.08)
STAGING AND TRAFFIC HANDLING PLAN

SHEET
37
OF
42



STAGE 1
NO SCALE



STAGE 1

STAGE 1 TRAFFIC CONTROL PLAN

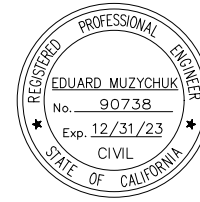
THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

CONSTRUCTION THIS STAGE:

- ① CONSTRUCT DRAINAGE INLET, UNDER DRAINS AND OUTFALL PIPE.
- ② CONSTRUCT REINFORCED EMBANKMENT, NEW PAVEMENT SECTION, AND UNDERDRAIN.

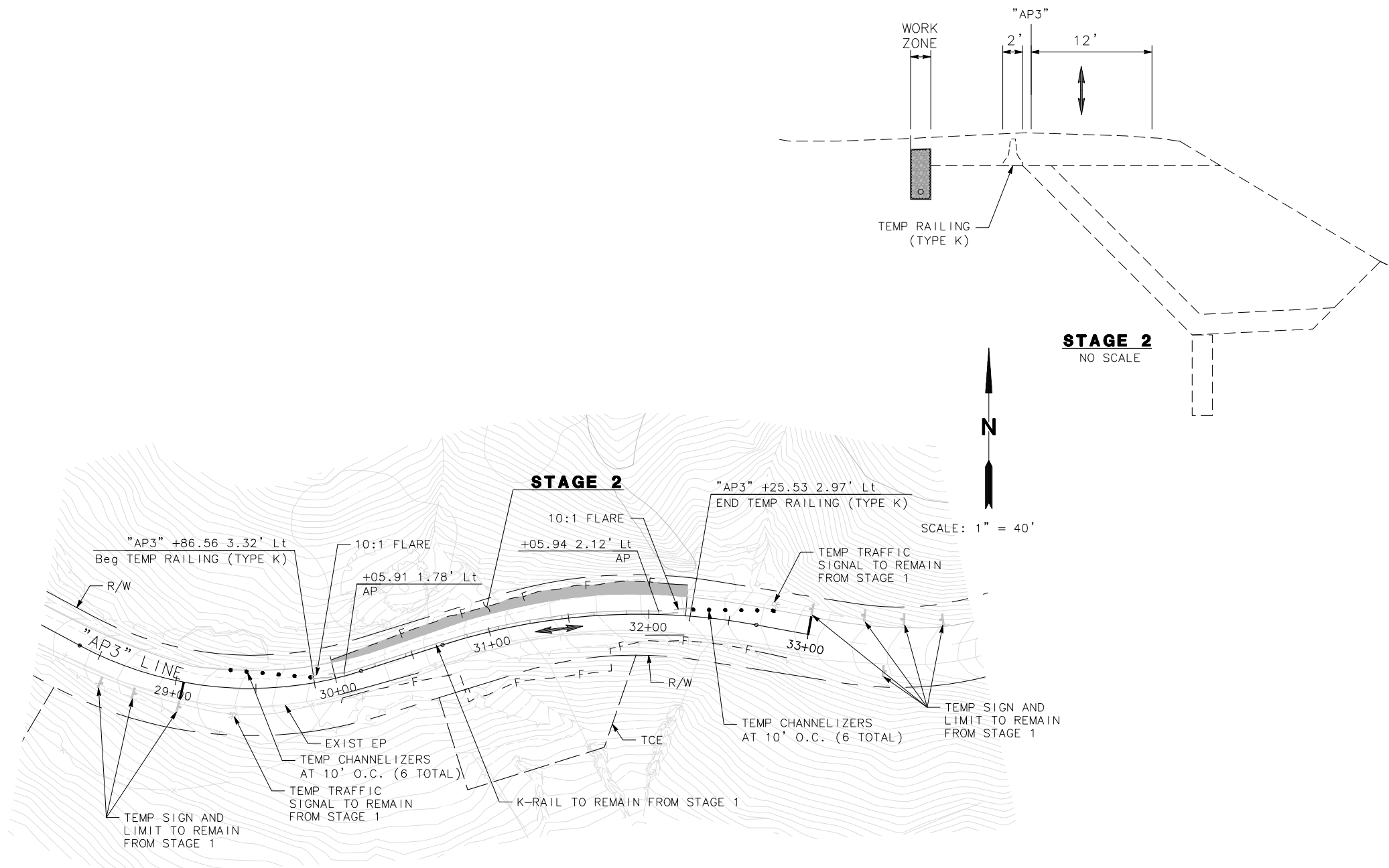
TRAFFIC THIS STAGE:

1. ALLOW SINGLE-LANE CONTROLLED TRAFFIC AND PERIODIC TEMPORARY ROAD CLOSURES DURING CONSTRUCTION.



ROAD NAME: ALDERPOINT ROAD		MARK THOMAS	
ROAD NO: F68165	MILE POST: 2.10, 2.70 AND 2.98	DESIGNED BY: FL	
PROJECT NO.: ER32LO(268/270/271)	EA NO.:	DRAWN BY: SS/FL	
CONTRACT NO.: 217245/217247	BRIDGE NO: N/A	REVIEWED BY: GH	
DRAWING FILE NAME:		APPROVED BY: EM	
PLOT DATE: APRIL 2023	REVISION DATE:		

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		SHEET
ALDERPOINT RD STORM DAMAGE (PM 2.08)		38
STAGING AND TRAFFIC HANDLING PLAN		OF
		42







STAGE 2 TRAFFIC CONTROL PLAN

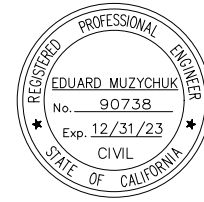
THIS PLAN ACCURATE FOR STAGE CONSTRUCTION ONLY

NOTE:

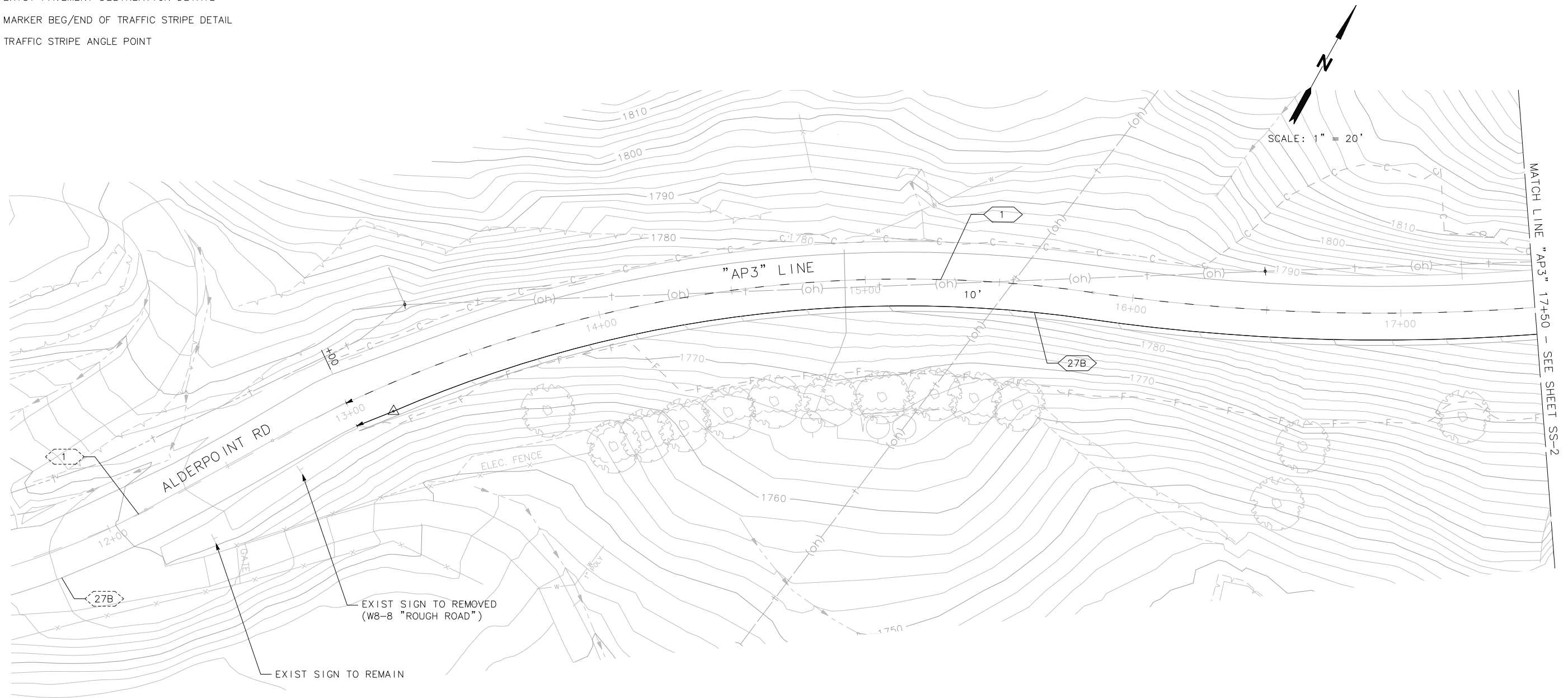
1. CA MUTCD CODES SHOWN AS DESIGNATED BY <CA> WHICH INDICATED A CALIFORNIA SIGN CODE. OTHERWISE, FEDERAL MUTCD CODES ARE SHOWN.

LEGEND:

-  PAVEMENT DELINEATION DETAIL
-  EXIST PAVEMENT DELINEATION DETAIL
-  MARKER BEG/END OF TRAFFIC STRIPE DETAIL
-  TRAFFIC STRIPE ANGLE POINT

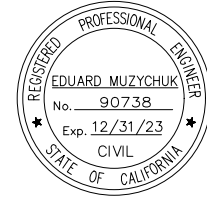


ROAD NAME: ALDERPOINT ROAD		MARK THOMAS		COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		SHEET 39 OF 42
ROAD NO: F6B165	MILE POST: 2.10, 2.70 AND 2.98	DESIGNED BY: CM		ALDERPOINT RD STORM DAMAGE (PM 2.70)		
PROJECT NO.: ER32LO(268/270/271)	EA NO.:	DRAWN BY: CM/FL		SIGNING AND STRIPING		
CONTRACT NO.: 217245/217247	BRIDGE NO: N/A	REVIEWED BY: KD				
DRAWING FILE NAME:		APPROVED BY: EM				
PLOT DATE: APRIL 2023	REVISION DATE:					



THIS PLAN ACCURATE FOR SIGNING AND STRIPING ONLY

SS-1

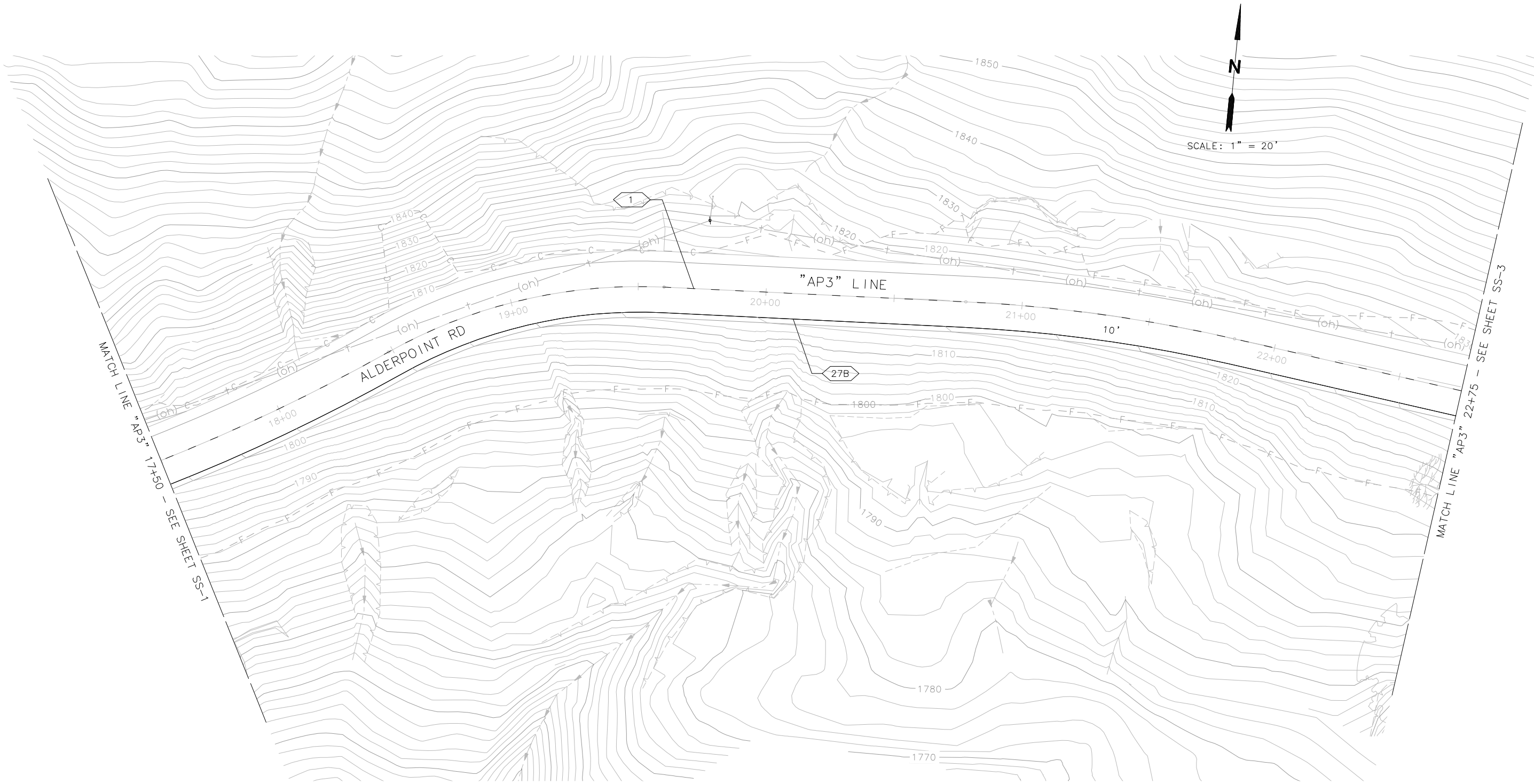


BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: F6B165	EA NO:
	PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
	CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
	PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

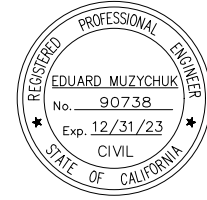
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
SIGNING AND STRIPING

SHEET **40**
OF
42



THIS PLAN ACCURATE FOR SIGNING AND STRIPING ONLY

SS-2



ROAD NAME: ALDERPOINT ROAD	MILE POST: 2.10, 2.70 AND 2.98
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER32LO(268/270/271)	BRIDGE NO: N/A
CONTRACT NO.: 217245/217247	DRAWING FILE NAME:
PLOT DATE: APRIL 2023	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM/FL
REVIEWED BY: KD
APPROVED BY: EM

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 2.70)
SIGNING AND STRIPING

SHEET
41
OF
42







SS-3

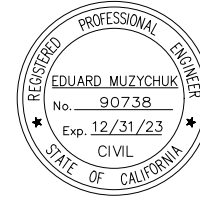
THIS PLAN ACCURATE FOR SIGNING AND STRIPING ONLY

NOTE:

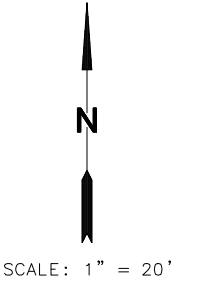
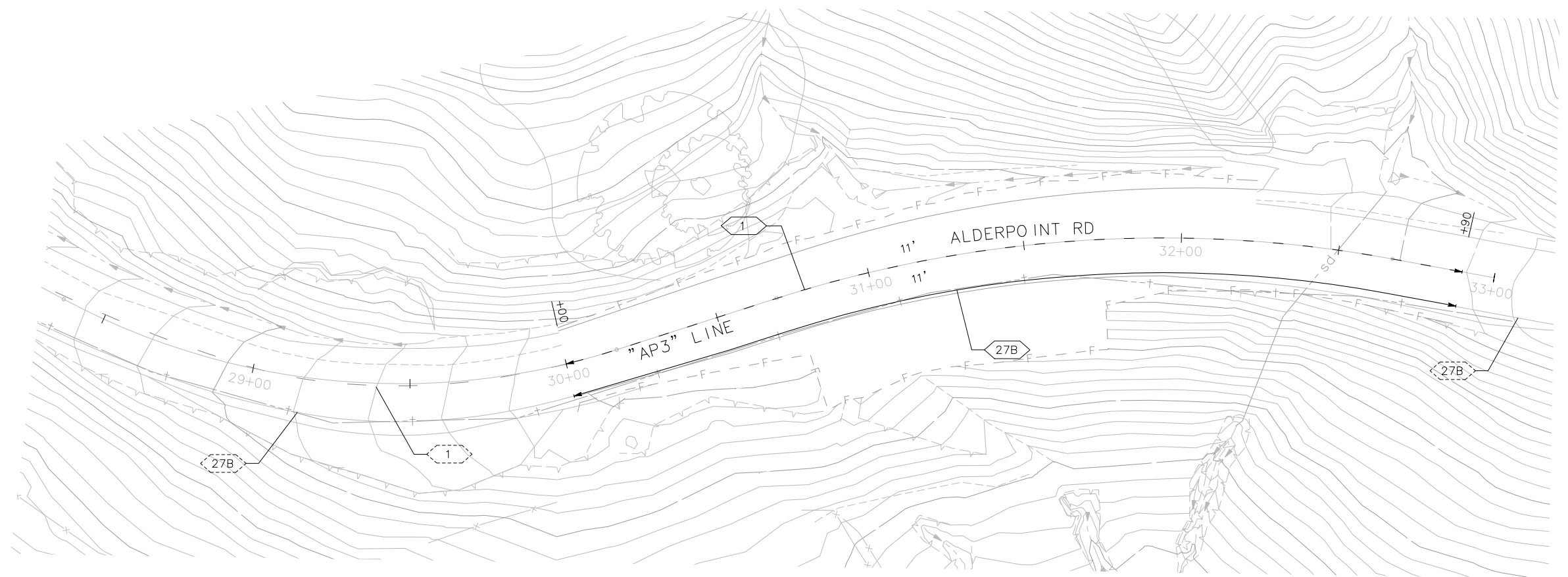
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LEGEND:

-  PAVEMENT DELINEATION DETAIL
-  EXIST PAVEMENT DELINEATION DETAIL
-  MARKER BEG/END OF TRAFFIC STRIPE DETAIL
-  TRAFFIC STRIPE ANGLE POINT



ROAD NAME: ALDERPOINT ROAD		MARK THOMAS		COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		SHEET
ROAD NO: F6B165	MILE POST: 2.10, 2.70 AND 2.98			ALDERPOINT RD STORM DAMAGE (PM 2.98)		42
PROJECT NO.: ER32LO(268/270/271)	EA NO.:	DESIGNED BY: FL				OF
CONTRACT NO.: 217245/217247	BRIDGE NO: N/A	DRAWN BY: SS/FL				42
DRAWING FILE NAME:		REVIEWED BY: GH				
PLOT DATE: APRIL 2023	REVISION DATE:	APPROVED BY: EM				



SS-4

THIS PLAN ACCURATE FOR SIGNING AND STRIPING ONLY