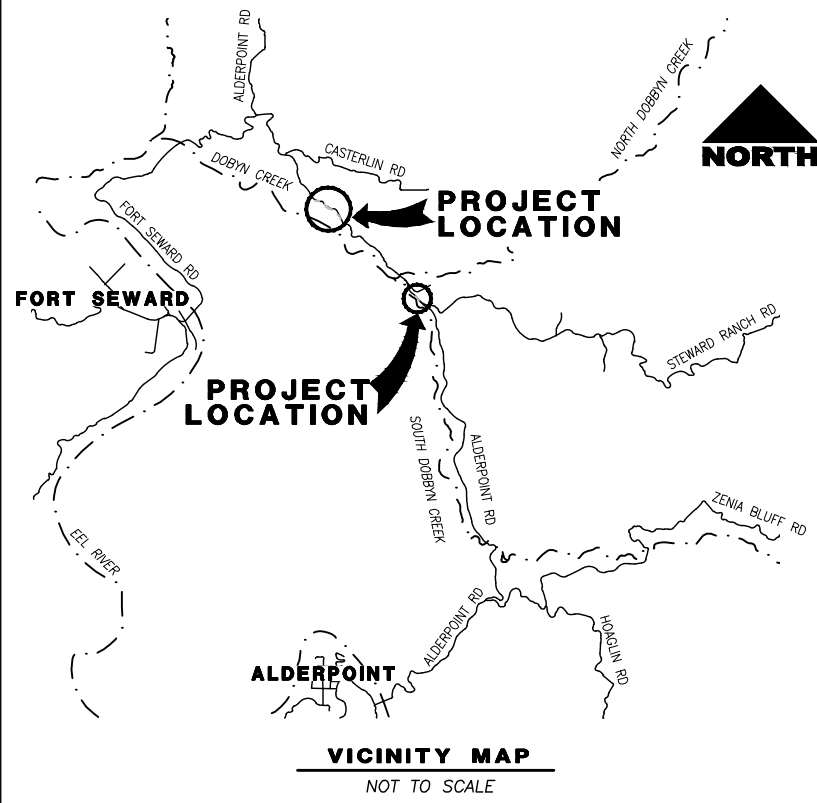


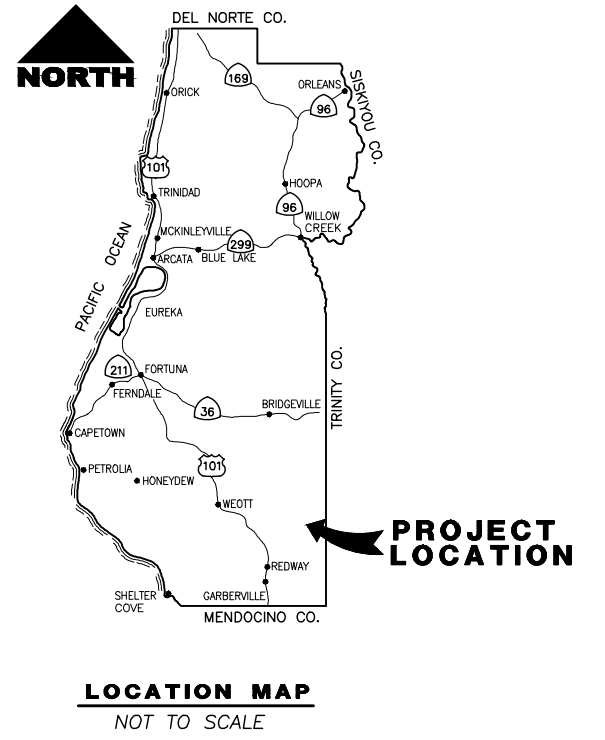
ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
 DESIGNED BY: CM
 DRAWN BY: CM
 REVIEWED BY: KD
 APPROVED BY:



COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS PROJECT PLANS FOR CONSTRUCTION OF **STORM DAMAGE REPAIRS ON ALDERPOINT ROAD [F6B165] AT P.M. 21.8, 22.8, 23.0-23.05** **PROJECT NO. ER-32L0(329) CONTRACT NO. 217288**

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 STANDARD PLANS, STANDARD SPECIFICATIONS, AND LATEST REVISED 2018 STANDARD SPECIFICATIONS



INDEX OF SHEETS

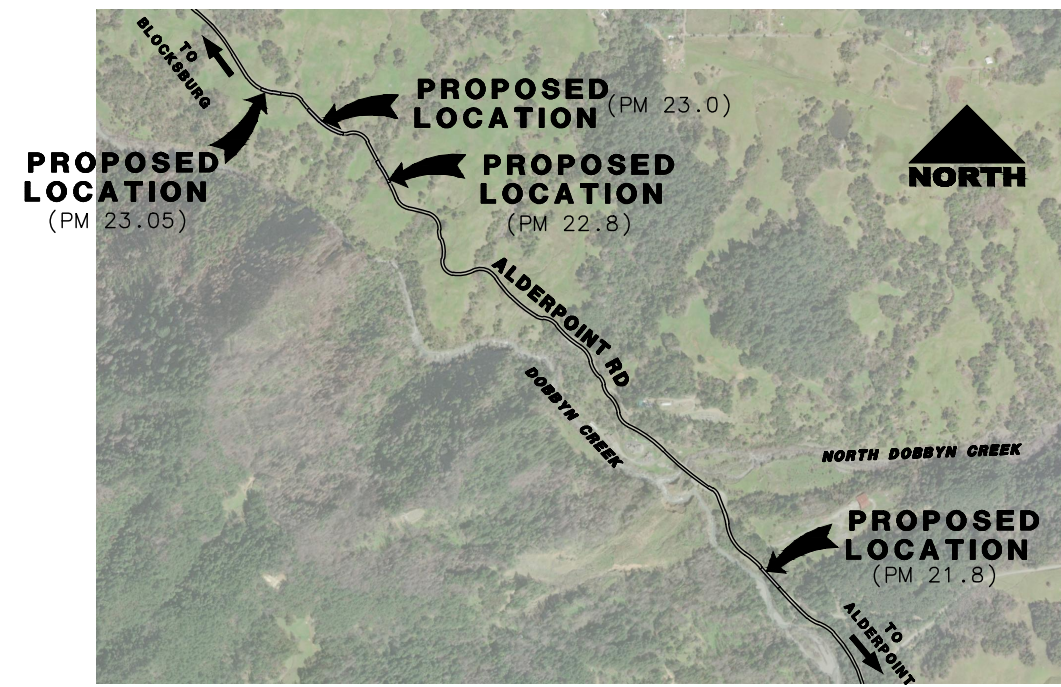
- 1 TITLE SHEET
- 2 BID QUANTITY SUMMARY
- 3 PROJECT CONTROL
- 5 TYPICAL CROSS SECTIONS
- 8 LAYOUT
- 13 PROFILE AND SUPERELEVATION
- 18 DRAINAGE AND UTILITIES
- 23 DRAINAGE DETAILS
- 25 EROSION CONTROL
- 30 STAGE CONSTRUCTION
- 37 SIGNING AND STRIPING
- 38-45 PLANS

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.

GEOTECHNICAL REPORT

AUGUST 2020
 CRAWFORD & ASSOCIATES, INC.

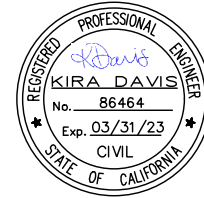


APPROVED BY:
Tony Seghetti
 TONY SEGHETTI, RCE 63714
 COUNTY OF HUMBOLDT
 PUBLIC WORKS DEPUTY DIRECTOR
 03/11/21
 DATE



J. Hickey
 JASON HICKEY, SE 5783
 03/09/21
 DATE

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



ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
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REVIEWED BY: KD
APPROVED BY:

**COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS**

ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)

BID QUANTITY SUMMARY

SHEET
2
OF
45

BID QUANTITY SUMMARY SHEET

ITEM No.	BEES ITEM NUMBER	ITEM DESCRIPTION	UNIT	LOCATION				TOTAL
				AP 21.8	AP 22.8	AP 23.0	AP 23.05	
1	100100	DEVELOP WATER SUPPLY	LS	N/A	N/A	N/A	N/A	1
2	120090	CONSTRUCTION AREA SIGNS	EA	11	5	-	6	22
3	120100	TRAFFIC CONTROL SYSTEM	LS	N/A	N/A	N/A	N/A	1
4	120165	CHANNELIZER (SURFACE MOUNTED)	EA	57	62	61	36	216
5	129000	TEMPORARY RAILING (TYPE K)	LF	680	240	340	160	1,420
6	129110	TEMPORARY CRASH CUSHION	EA	4	2	2	2	10
7	130100	JOB SITE MANAGEMENT	LS	N/A	N/A	N/A	N/A	1
8	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	N/A	N/A	N/A	N/A	1
9	130310	RAIN EVENT ACTION PLAN	EA	N/A	N/A	N/A	N/A	20
10	130320	STORM WATER SAMPLING ANALYSIS DAY	DAY	N/A	N/A	N/A	N/A	6
11	130330	STORM WATER ANNUAL REPORT	EA	N/A	N/A	N/A	N/A	1
12	130610	TEMPORARY CHECK DAM	LF	-	100	180	80	360
13	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	1	2	1	1	5
14	130680	TEMPORARY SILT FENCE	LF	-	290	450	230	970
15	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	1	1	-	-	2
16	130900	TEMPORARY CONCRETE WASHOUT	EA	1	1	-	-	2
17	170103	CLEARING AND GRUBBING	LS	N/A	N/A	N/A	N/A	1
18	190101	ROADWAY EXCAVATION	CY	190	3025	5430	2865	11,510
19	192049	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	CY	162	-	-	-	162
20	193029	STRUCTURE BACKFILL (SOLDIER PILE WALL)	CY	37	-	-	-	37
21	193116	CONCRETE BACKFILL (SOLDIER PILE WALL)	CY	40	-	-	-	40
22	193119	LEAN CONCRETE BACKFILL	CY	28	-	-	-	28
23	198215	SUBGRADE ENHANCEMENT GEOGRID	SY	-	1025	375	300	1,700
24	210280	ROLLED EROSION CONTROL PRODUCT (BLANKET)	LF	-	7598	17548	7889	33,035
25	210420	STRAW	SF	2185	395	-	-	2,580
26	210350	FIBER ROLLS	LF	-	735	1320	575	2,630
27	260203	CLASS 2 AGGREGATE BASE	CY	128	189	291	136	744
28	390132	HOT MIX ASPHALT (TYPE A)	TON	117	211	322	155	805
29	394073	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	215	-	-	-	215
30	398200	COLD PLANE ASPHALT CONCRETE PAVEMENT	SY	27	33	-	-	60
31	460210	GROUND ANCHOR (SUBHORIZONTAL)	EA	15	-	-	-	15
32	4903XX	STEEL SOLDIER PILE (W 12 X 65)	LF	642	-	-	-	642
33	490400	24" DRILLED HOLE	LF	578	-	-	-	578
34	575004	TIMBER LAGGING	MFBM	14	-	-	-	14
35	590120	CLEAN AND PAINT STEEL SOLDIER PILING	LS	1	-	-	-	1
36	6411XX	8" PLASTIC PIPE	LF	14	-	-	-	14
37	665016	18" CORRUGATED STEEL PIPE (0.064" THICK)	LF	42	-	63	74	179
38	665022	24" CORRUGATED STEEL PIPE (0.064" THICK)	LF	-	125	-	-	125
39	665030	30" CORRUGATED STEEL PIPE (0.064" THICK)	LF	-	62	-	-	62
40	680254	CLEANOUT ASSEMBLY	EA	-	3	3	3	9
41	680902	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	210	332	343	152	1,037
42	680905	8" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	112	-	-	-	112
43	681990	FILTER FABRIC	SY	-	1570	1065	875	3,510
44	682020	CLASS 1 PERMEABLE MATERIAL	CY	-	495	1130	470	2,095
45	690122	24" CORRUGATED STEEL PIPE DOWNDRAIN (0.064" THICK)	LF	-	8	-	-	8
46	692307	18" ANCHOR ASSEMBLY	EA	1	2	1	1	5
47	700637	36" CORRUGATED STEEL PIPE INLET	LF	7	16	8	8	39
48	710136	REMOVE PIPE	LF	38	40	49	60	187
49	723080	ROCK SLOPE PROTECTION (60 lb, Class II, METHOD B)	CY	3	9	3	3	18
50	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SY	21	52	19	19	111
51	750001	MISCELLANEOUS IRON AND STEEL	LB	177	354	177	177	885
52	820130	OBJECT MARKER	EA	2	-	-	-	2
53	832007	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	113	-	-	-	113
54	832070	VEGETATION CONTROL (MINOR CONCRETE)	SY	111	-	-	-	111
55	839521	CABLE RAILING	LF	112	-	-	-	112
56	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	2	-	-	-	2
57	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	415	215	360	170	1,160
58	999990	MOBILIZATION	LS	N/A	N/A	N/A	N/A	1

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.

ABBREVIATIONS:

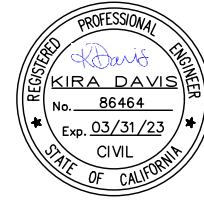
NGS NATIONAL GEODETIC SURVEY
PID PERMANENT IDENTIFIER

LEGEND:

△ CONTROL POINT

DATUM:

1. 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 150 WAS HELD FOR HORIZONTAL POSITIONS SHOWN HEREON. THE MAPPING ANGLE IS 1 DEGREE 02 MINUTES 48 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 0.99993416 TO OBTAIN GROUND DISTANCES. MAPPING ANGLE AND GRID SCALE FACTOR ARE TAKEN AT CONTROL POINT NUMBER 150, A MAGNETIC NAIL IN THE WEST EDGE OF PAVEMENT 160 FEET +/- NORTHWEST OF CONTROL POINT 151. ELEVATIONS ARE NAVD 88 DATUM BASED ON OPUS SOLUTION UTILIZING THE GEOID 12B MODEL: AN ELEVATION OF 467.90 FEET WAS MEASURED AT THE AFOREMENTIONED CONTROL POINT 150.
2. THE RIGHT OF WAY SHOWN ON THIS SURVEY IS FIFTY FEET IN WIDTH CENTERED ON THE EXISTING CENTERLINE OF THE ROAD PER COUNTY ROAD REGISTER 1, NO. 119, PAGE 159 PER THE COUNTY RIGHT OF WAY AGENT.
3. SOME CONTROL POINTS SHOWN HEREON ARE SET IN AN AREA SUBJECT TO MOVEMENT (POINT 54 FOR EXAMPLE). THERE ARE POINTS SET ON EITHER END OF SITE THAT SHOULD BE USED TO CHECK OTHER CONTROL POINTS SHOWN TO CONFIRM NO MOVEMENT HAS OCCURRED.



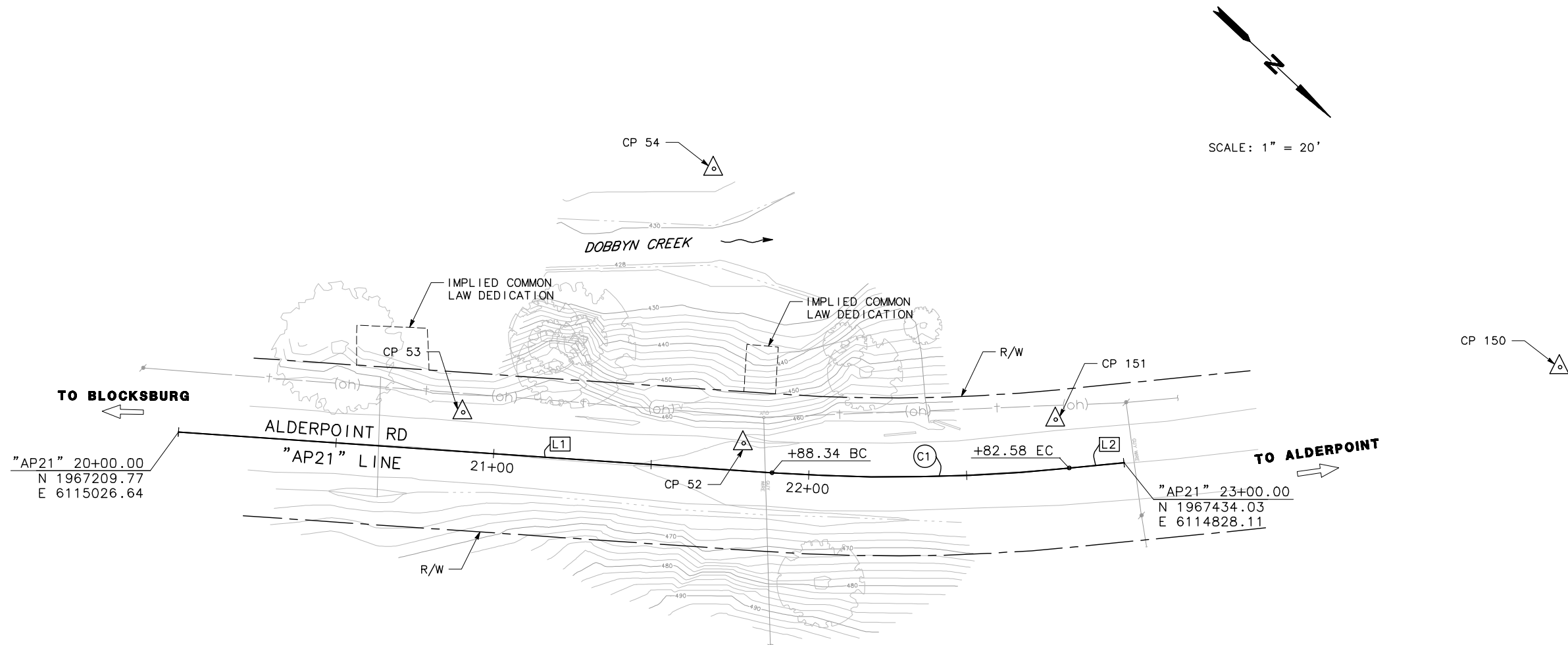
ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
PROJECT CONTROL - PM 21.8

SHEET **3**
OF
45

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION/OFFSET
CP 52	1967342.28	6114906.43	464.02	MAGNETIC NAIL	"AP21" 21+78.71 8.64' Lt
CP 53	1967271.02	6114960.30	462.70	SPIKE	"AP21" 20+89.45 12.31' Lt
CP 54	1967275.80	6114849.71	432.11	SPIKE	"AP21" 21+63.40 94.68' Lt
CP 150	1967513.64	6114711.37	467.90	MAGNETIC NAIL	-
CP 151	1967408.97	6114833.09	494.99	MAGNETIC NAIL	"AP21" 22+79.74 15.67' Lt



CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C1	560.00'	9°38'29"	47.23'	94.23'

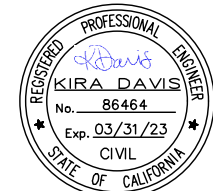
LINE #	LENGTH	DIRECTION
L1	188.34'	N39°26'44"W
L2	17.42'	N49°05'13"W

DATUM (PM 22.8):

- 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 03 MINUTES 22 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 0.99992590 TO OBTAIN GROUND DISTANCES. MAPPING ANGLE AND GRID SCALE FACTOR ARE TAKEN AT CONTROL POINT NUMBER 50, A 12 INCH SPIKE, IN THE WEST SHOULDER OF THE ROAD. ELEVATIONS ARE NAVD 88 DATUM BASED ON OPUS SOLUTION UTILIZING THE GEOID 12B MODEL: AN ELEVATION OF 600.60 FEET WAS MEASURED AT THE AFOREMENTIONED CONTROL POINT 50.
- THE RIGHT OF WAY SHOWN ON THIS SURVEY IS FIFTY FEET IN WIDTH CENTERED ON THE EXISTING CENTERLINE OF THE ROAD PER COUNTY ROAD REGISTER 1, NO. 119, PAGE 159 PER THE COUNTY RIGHT OF WAY AGENT.
- SOME CONTROL POINTS SHOWN HEREON ARE SET IN AN AREA SUBJECT TO MOVEMENT (POINT 53 FOR EXAMPLE). THERE ARE POINTS SET ON EITHER END OF SITE THAT SHOULD BE USED TO CHECK OTHER CONTROL POINTS SHOWN TO CONFIRM NO MOVEMENT HAS OCCURRED.

DATUM (PM 23.0 & 23.05):

- 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 ON ADJACENT SITE PM 23.0 TO 23.05 WAS HELD FOR HORIZONTAL POSITIONS SHOWN HEREON. THE MAPPING ANGLE IS 1 DEGREE 03 MINUTES 22 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 0.99992590 TO OBTAIN GROUND DISTANCES. MAPPING ANGLE AND GRID SCALE FACTOR ARE TAKEN AT CONTROL POINT NUMBER 50, A 12 INCH SPIKE, IN THE WEST SHOULDER OF THE ROAD 1,100 FEET +/- NORTHWEST OF THIS SITE (FALLS IN ADJACENT STORM DAMAGE SITE PM 23.05 AS NOTED ABOVE). ELEVATIONS ARE NAVD 88 DATUM BASED ON OPUS SOLUTION UTILIZING THE GEOID 12B MODEL: AN ELEVATION OF 600.60 FEET WAS MEASURED AT THE AFOREMENTIONED CONTROL POINT 50.
- THE RIGHT OF WAY SHOWN ON THIS SURVEY IS FIFTY FEET IN WIDTH CENTERED ON THE EXISTING CENTERLINE OF THE ROAD PER COUNTY ROAD REGISTER 1, NO. 119, PAGE 159 PER THE COUNTY RIGHT OF WAY AGENT.
- SOME CONTROL POINTS SHOWN HEREON ARE SET IN AN AREA SUBJECT TO MOVEMENT (POINTS 1052 AND 1054 FOR EXAMPLE). THERE ARE POINTS SET ON EITHER END OF SITE THAT SHOULD BE USED TO CHECK OTHER CONTROL POINTS SHOWN TO CONFIRM NO MOVEMENT HAS OCCURRED.

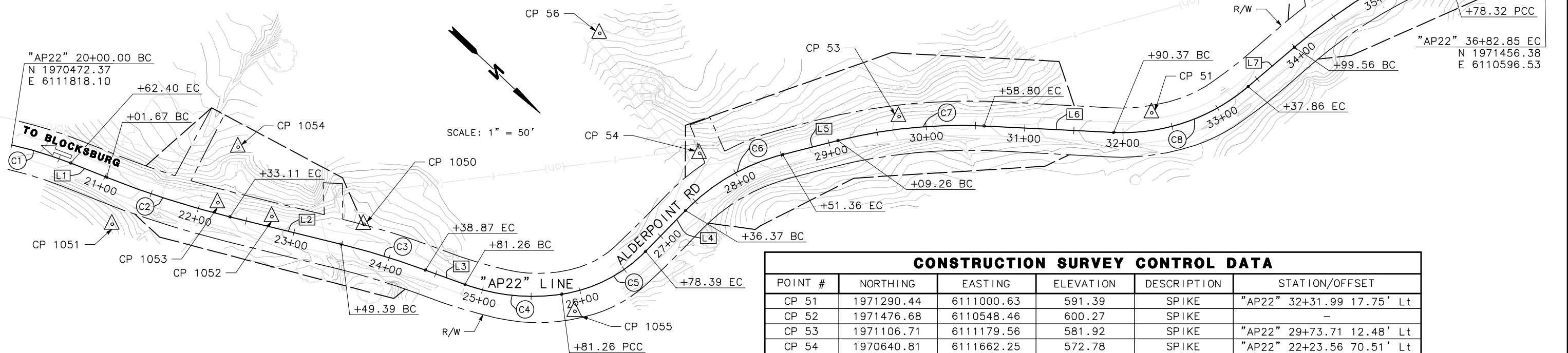


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ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
 DESIGNED BY: CM
 DRAWN BY: CM
 REVIEWED BY: KD
 APPROVED BY:

CURVE #	RADIUS	DELTA	TANGENT	LENGTH
C1	400.00'	8°56'19"	31.27'	62.40'
C2	970.00'	7°45'50"	65.82'	131.44'
C3	825.00'	6°12'53"	44.79'	89.49'
C4	200.00'	28°38'52"	51.07'	100.00'
C5	150.00'	37°05'59"	50.33'	97.13'
C6	210.00'	31°22'16"	58.97'	114.98'
C7	500.00'	17°08'09"	75.33'	149.54'
C8	195.00'	43°20'10"	77.47'	147.49'
C9	580.00'	17°39'32"	90.09'	178.76'
C10	253.00'	23°40'25"	53.02'	104.53'

LINE #	LENGTH	DIRECTION
L1	39.26'	S21°43'10"E
L2	116.28'	S29°29'01"E
L3	42.39'	S23°16'07"E
L4	57.99'	S89°00'58"E
L5	57.91'	S57°38'42"E
L6	131.56'	S40°30'34"E
L7	61.70'	S83°50'44"E



POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION/OFFSET
CP 51	1971290.44	6111000.63	591.39	SPIKE	"AP22" 32+31.99 17.75' Lt
CP 52	1971476.68	6110548.46	600.27	SPIKE	-
CP 53	1971106.71	6111179.56	581.92	SPIKE	"AP22" 29+73.71 12.48' Lt
CP 54	1970640.81	6111662.25	572.78	SPIKE	"AP22" 22+23.56 70.51' Lt
CP 55	1971384.99	6110671.25	600.88	SPIKE	"AP22" 35+82.50 13.89' Lt
CP 56	1970827.94	6111326.39	542.66	-	"AP22" 27+71.74 193.81' Lt
CP 1050	1970787.25	6111631.62	573.08	SPIKE	"AP22" 23+66.29 25.32' Lt
CP 1051	1970601.59	6111806.73	574.86	SPIKE	"AP22" 21+23.55 42.37' Rt
CP 1052	1970714.03	6111689.90	569.13	MAGNETIC NAIL	"AP22" 22+74.39 10.14' Lt
CP 1053	1970664.54	6111717.38	567.12	MAGNETIC NAIL	"AP22" 22+17.61 10.76' Lt
CP 1054	1970640.81	6111662.25	548.88	SPIKE	"AP22" 22+23.56 70.51' Lt
CP 1055	1971003.44	6111548.89	570.93	SPIKE	"AP22" 25+90.45 19.50' Rt

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATION.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAM.
3. FOR CABLE RAILING DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, B11-47.
4. FOR UNDERDRAIN DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, D102.
5. FOR METAL CULVERT EXCAVATION AND BACKFILL NOT SHOWN, SEE CALTRANS STANDARD PLANS, A62F.
6. FOR HMA DIKE DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, A87B AND A77N4.

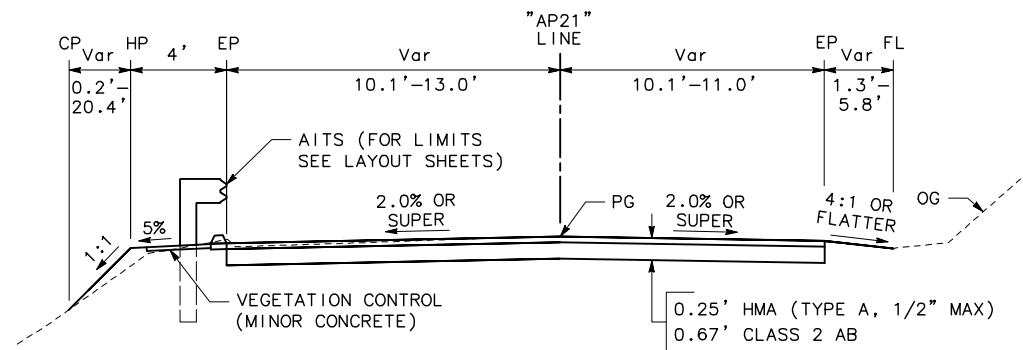


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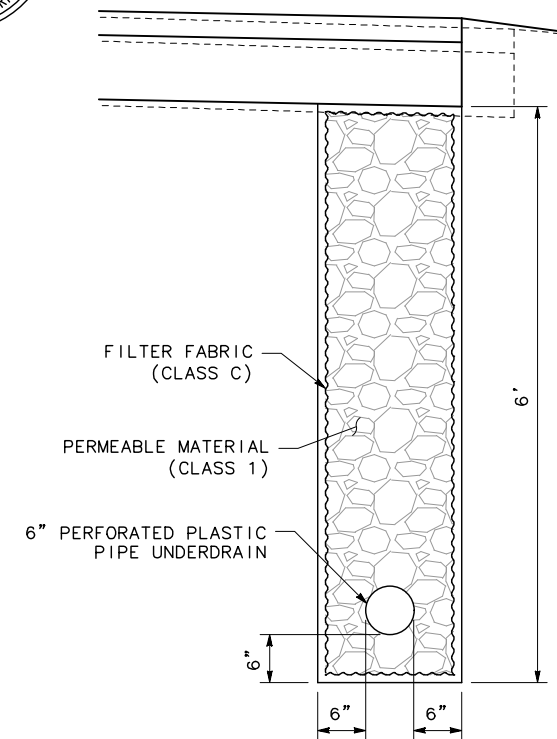
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
TYPICAL CROSS SECTIONS - PM 21.8

SHEET **5**
OF
45



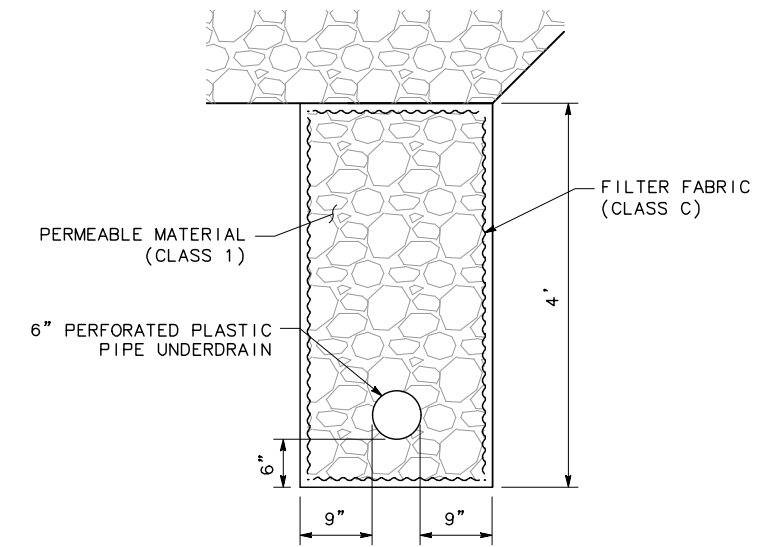
ALDERPOINT ROAD

"AP21" 22+23.75 TO 22+71.19
"AP21" 20+50.61 TO 21+10.66



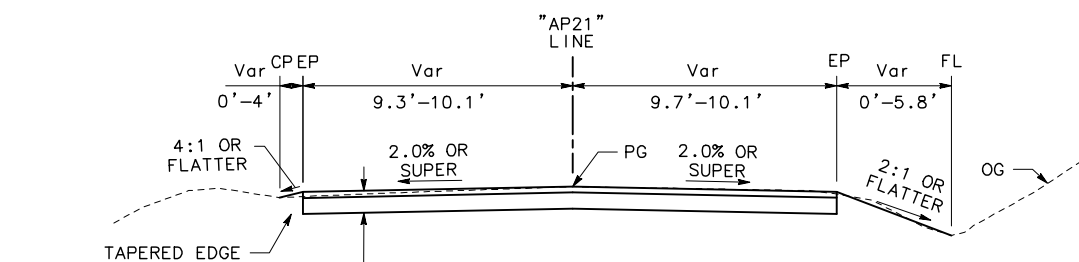
UNDERDRAIN DETAIL 1

NO SCALE



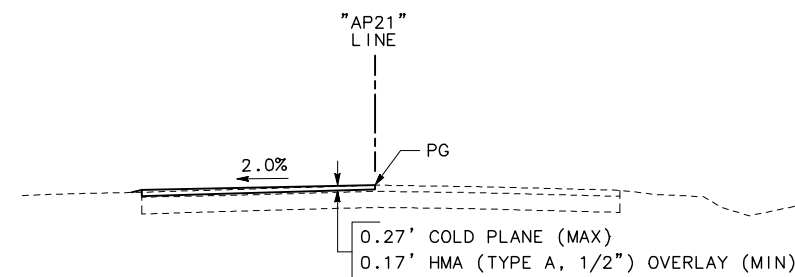
UNDERDRAIN DETAIL 2

NO SCALE



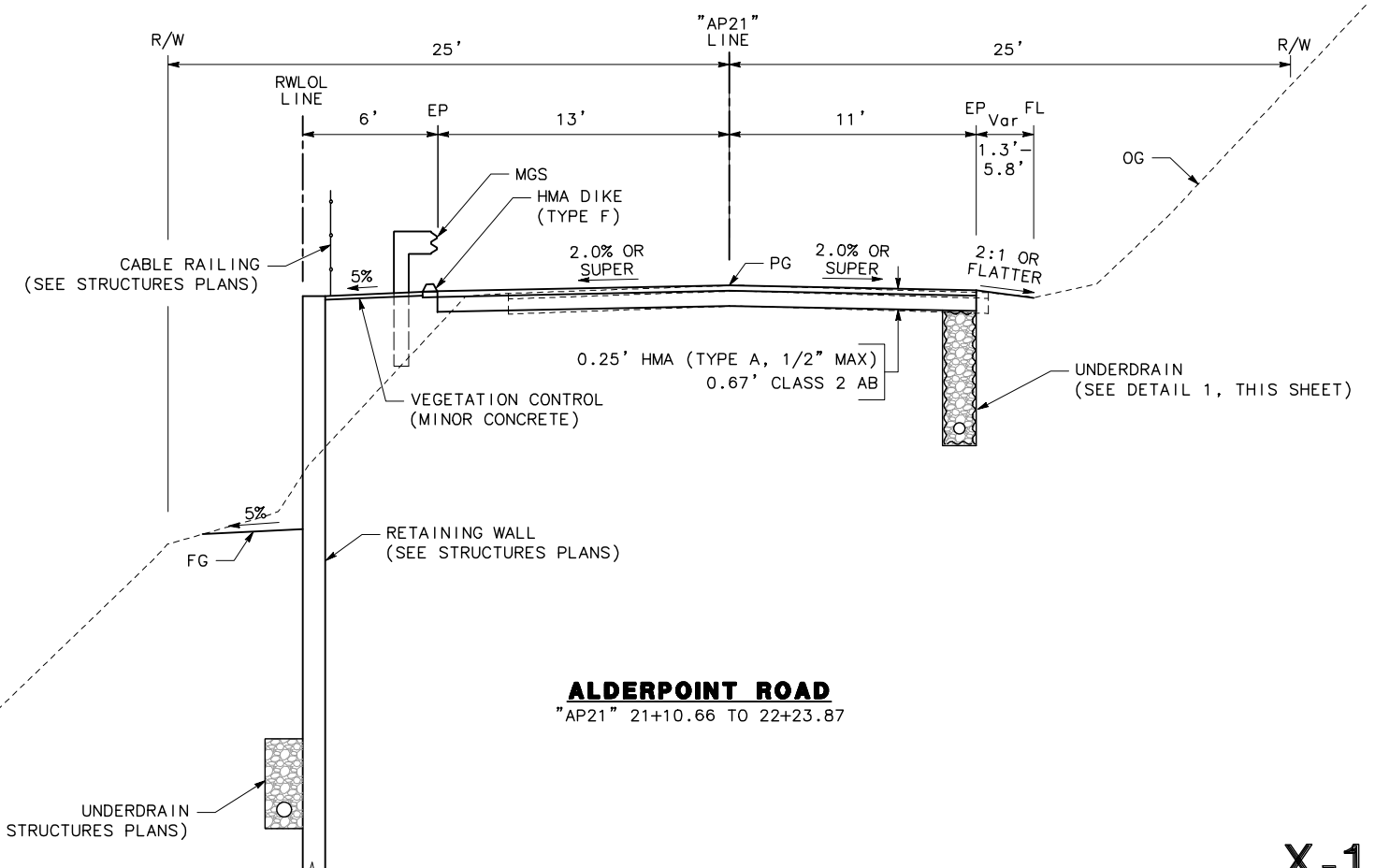
ALDERPOINT ROAD

"AP21" 20+50.00 TO 20+60.50



ALDERPOINT ROAD

"AP21" 20+25.19 TO 20+50.00



ALDERPOINT ROAD

"AP21" 21+10.66 TO 22+23.87

X-1

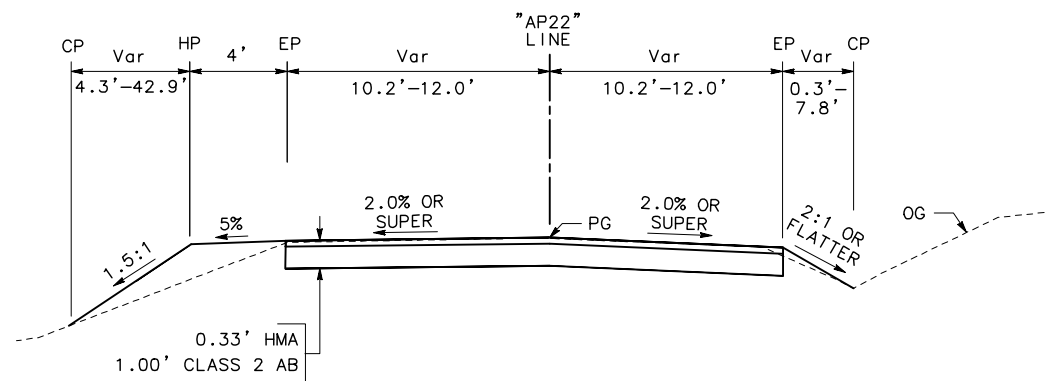


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ROAD NO: F6B165	EA NO.:
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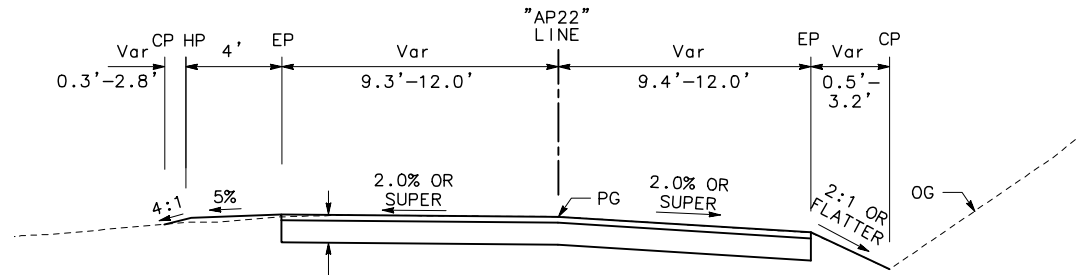
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
TYPICAL CROSS SECTIONS - PM 22.8 TO PM 23.05

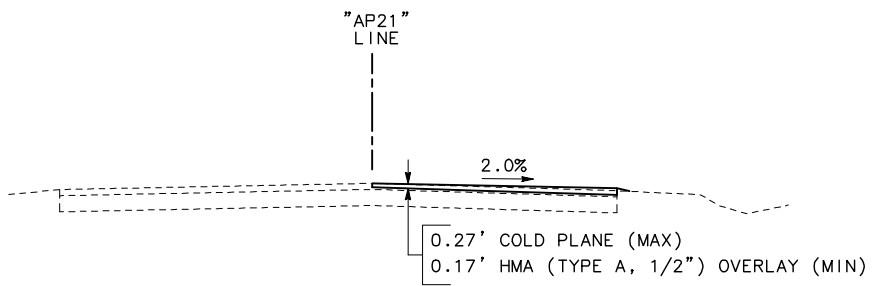
SHEET **6**
OF
45



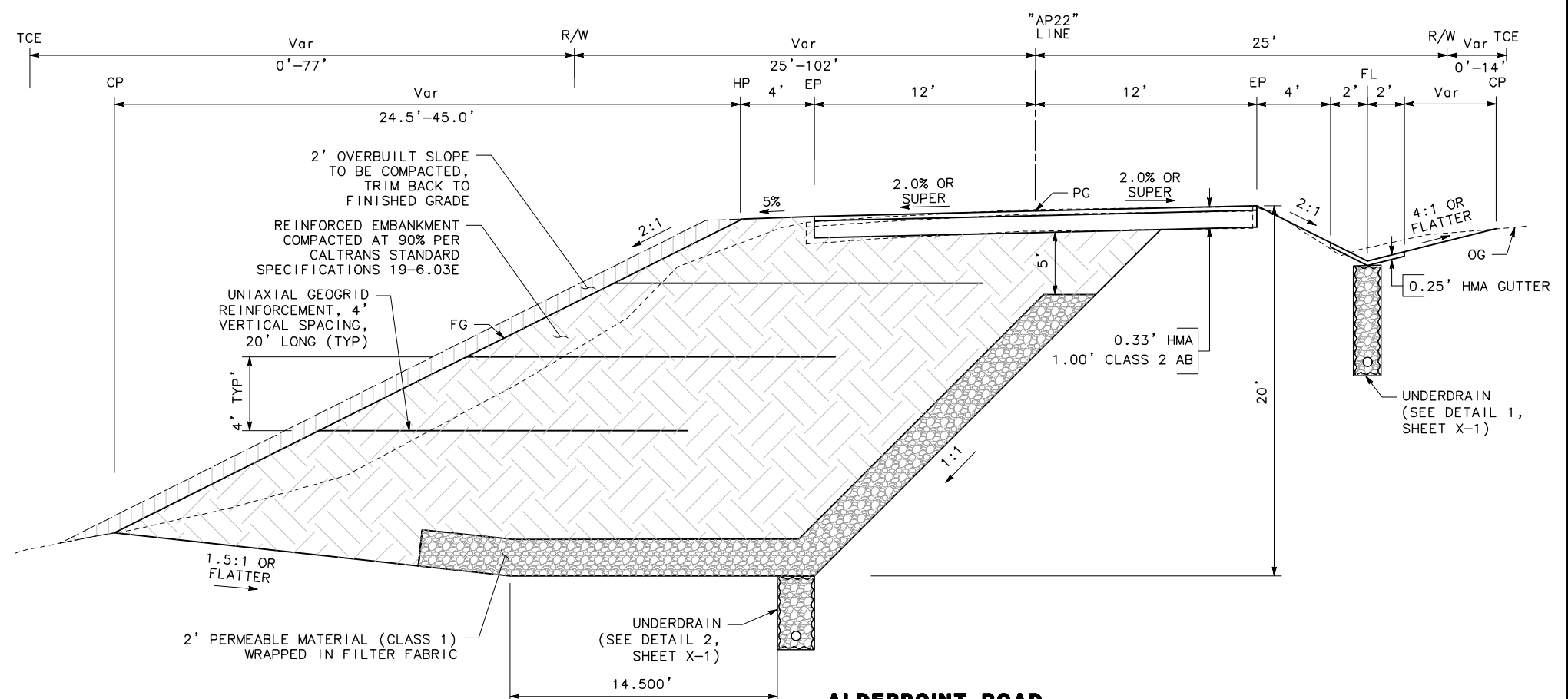
ALDERPOINT ROAD
"AP22" 35+75.01 TO 35+88.76
"AP22" 21+56.23 TO 21+71.83



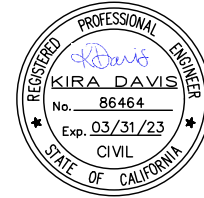
ALDERPOINT ROAD
"AP22" 34+20.79 TO 34+41.88
"AP22" 31+25.80 TO 31+38.50
"AP22" 27+81.33 TO 27+99.35
"AP22" 23+25.64 TO 23+69.93



ALDERPOINT ROAD
"AP22" 23+69.93 TO 23+98.64



ALDERPOINT ROAD
"AP22" 21+71.83 TO 23+25.64

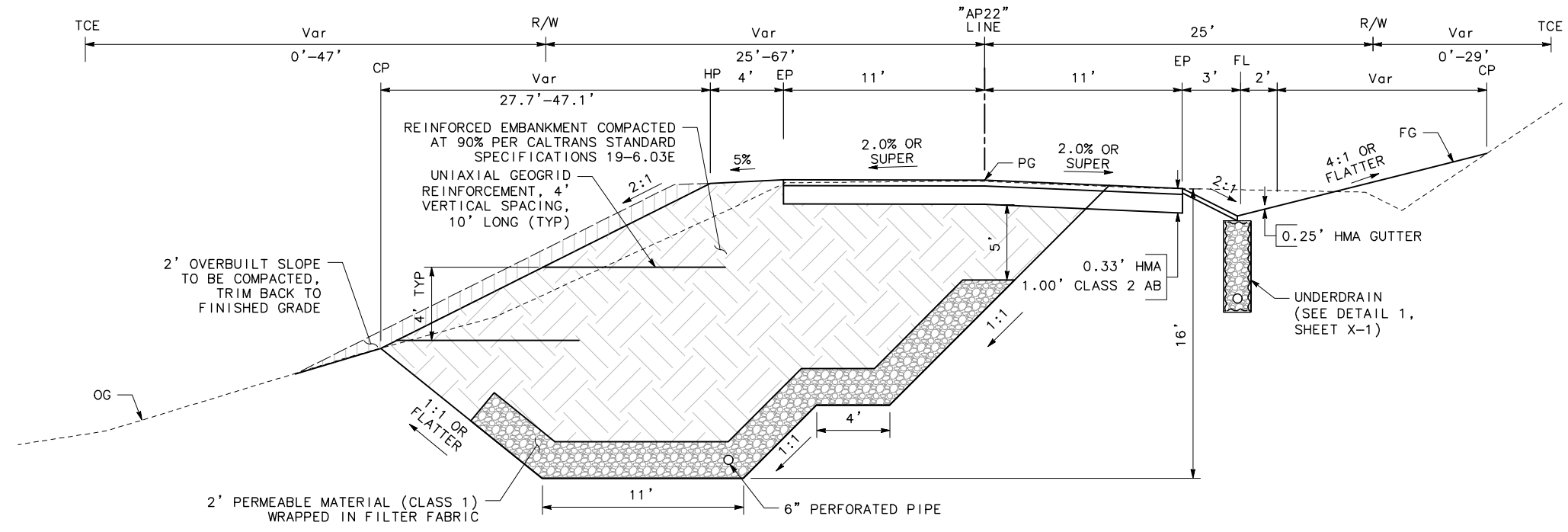


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217268	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

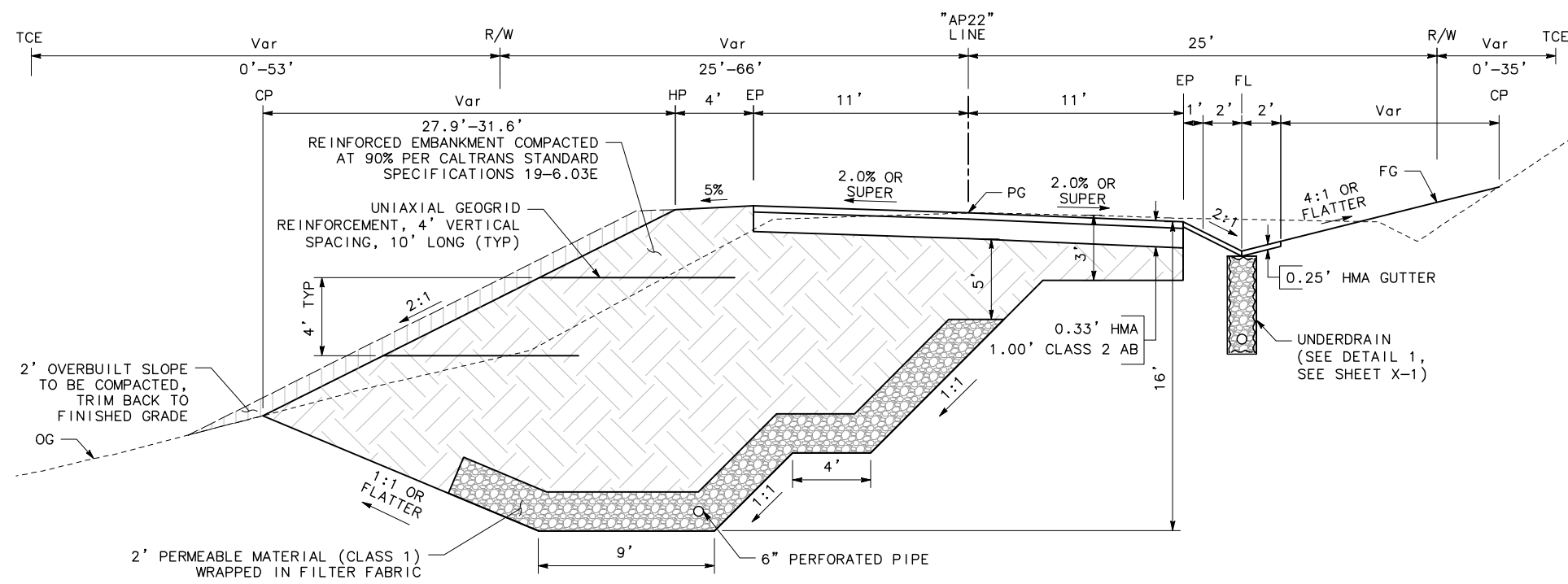
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
TYPICAL CROSS SECTIONS -
PM 22.8 TO PM 23.05

SHEET **7**
OF
45



ALDERPOINT ROAD
"AP22" 34+41.86 TO 35+75.00
"AP22" 29+58.66 TO 31+25.79



ALDERPOINT ROAD
"AP22" 27+99.35 TO 29+58.65

X-3

NOTES:

1. PROVIDE CONCRETE VEGETATION CONTROL UNDER MIDWEST GUARDRAIL SYSTEM AND ALTERNATIVE IN-LINE TERMINAL SYSTEM PER CALTRANS STANDARD PLANS A77N5 & A77N6.

LEGEND:

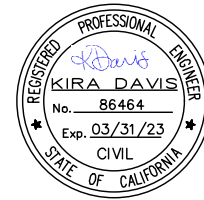
- - -C- CUT LINE
- - -F- FILL LINE
- ▲ RETAINING WALL
- MGS (MIDWEST GUARDRAIL SYSTEM)
- AITS (ALTERNATIVE IN-LINE TERMINAL SYSTEM)



COLDPLANE AC PAVEMENT & HMA OVERLAY



EXIST TREE



ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

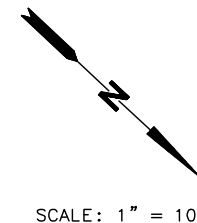
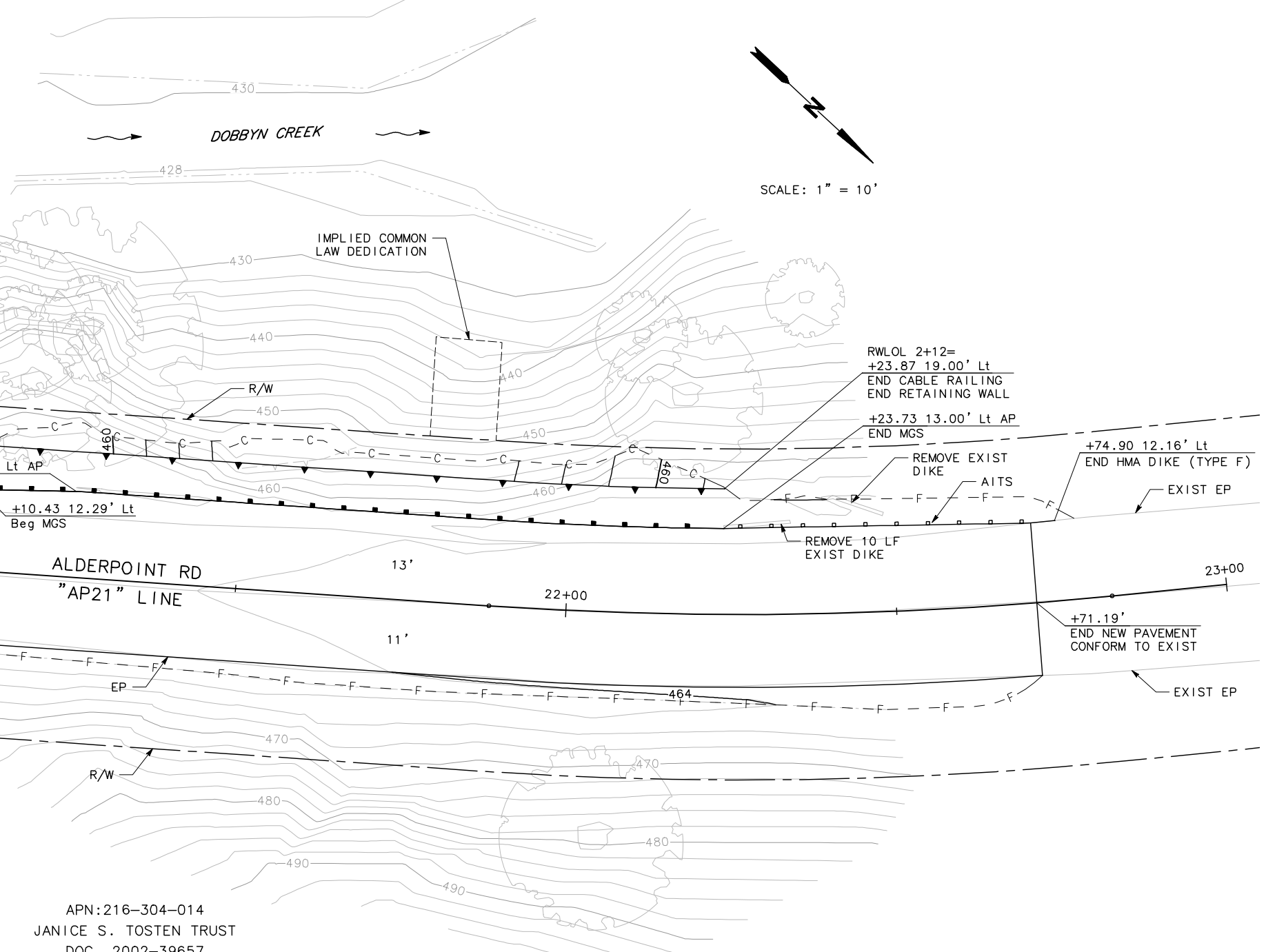
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)

LAYOUT - PM 21.8

SHEET **8**
OF
45

APN:216-304-007
LANDS OF BESTLA PROPERTIES, LLC AND MALABEAU, LLC
DOC. 2018-000286
2018-000287



APN:216-304-014
JANICE S. TOSTEN TRUST
DOC. 2002-39657

L-1

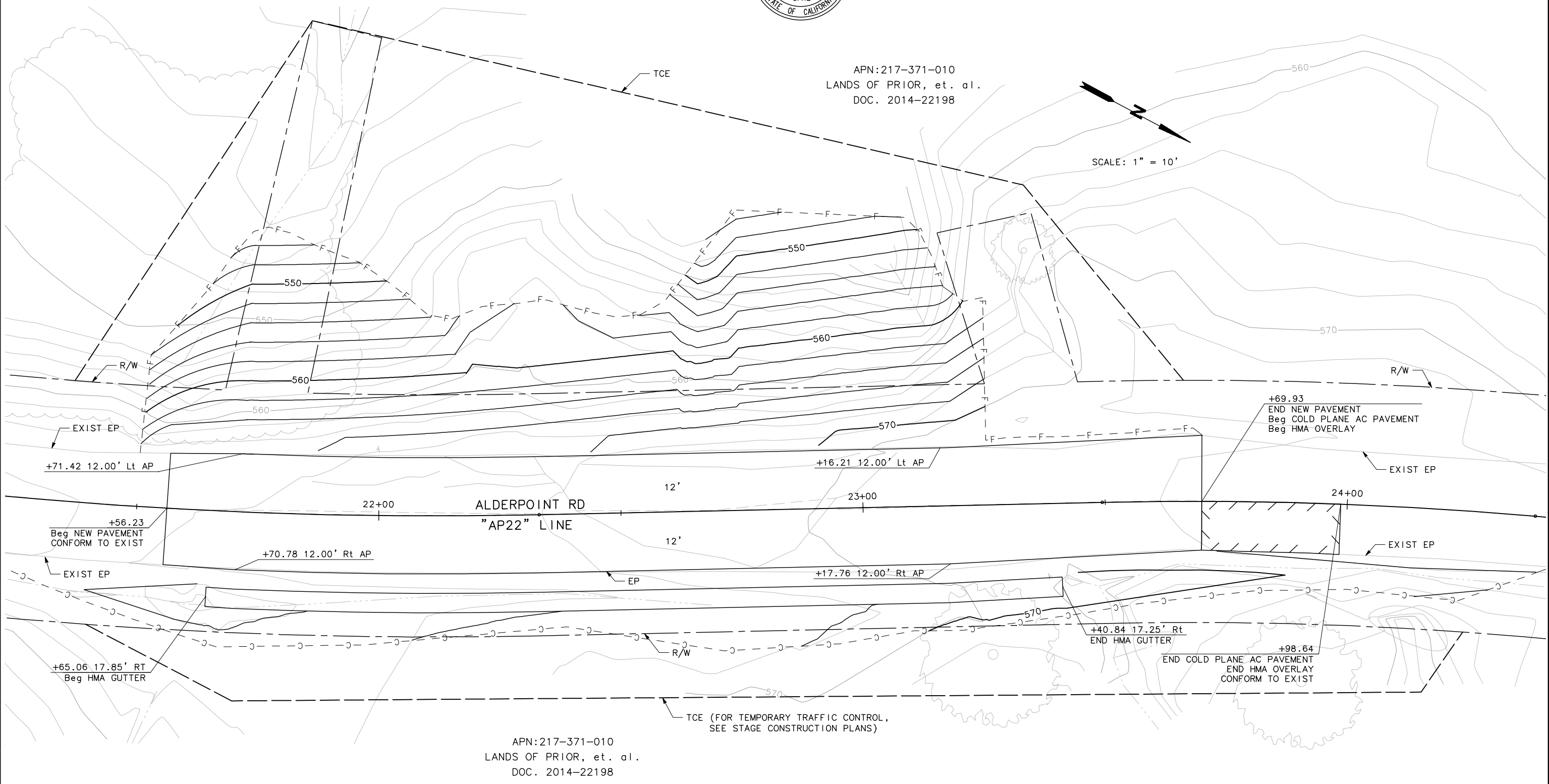


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
LAYOUT - PM 22.8

SHEET **9**
OF
45



APN:217-371-010
LANDS OF PRIOR, et. al.
DOC. 2014-22198

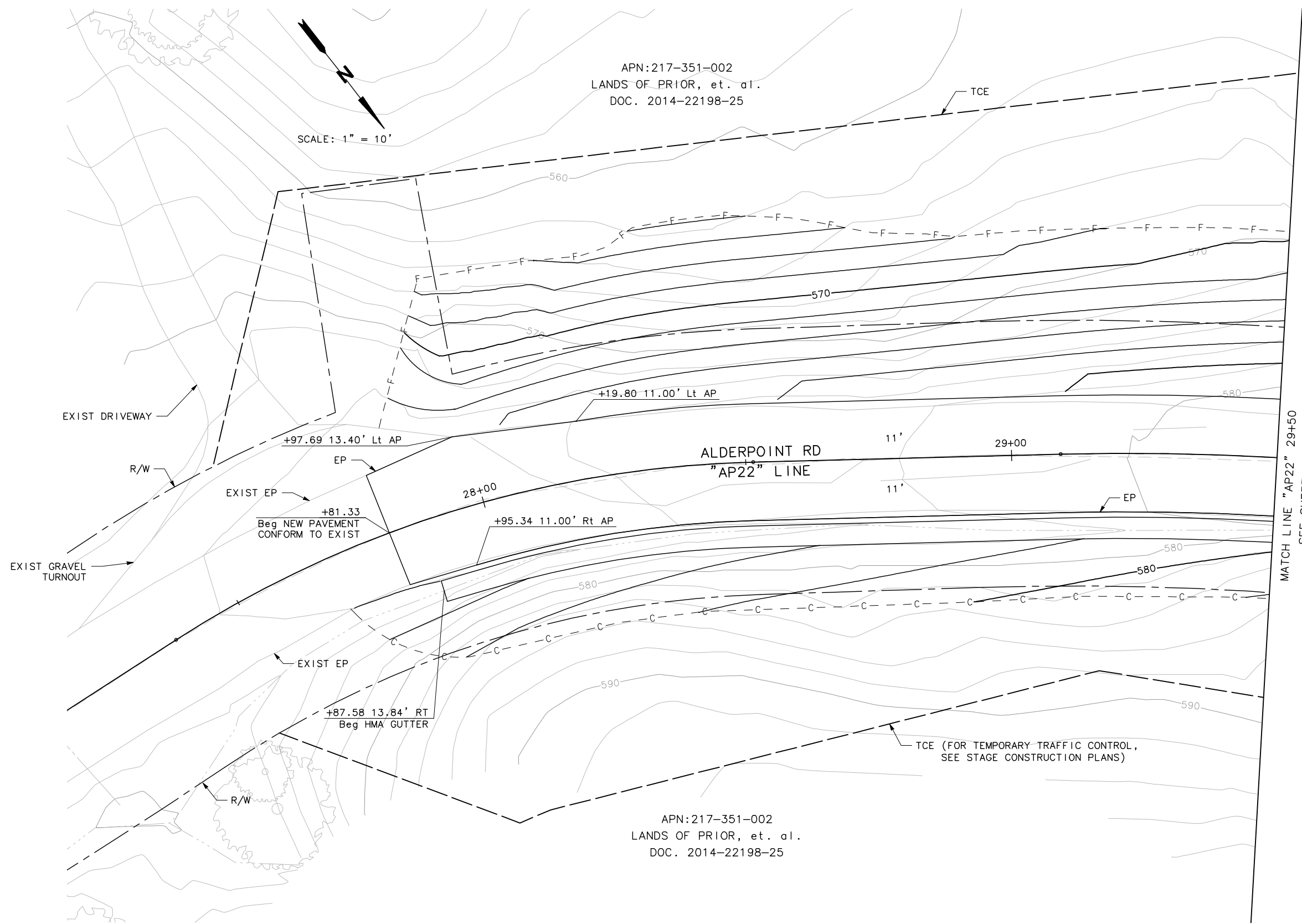


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

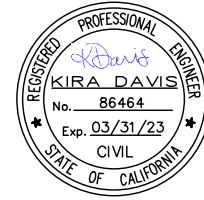
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
LAYOUT - PM 23.0

SHEET
10
OF
45



APN: 217-351-002
LANDS OF PRIOR, et. al.
DOC. 2014-22198-25

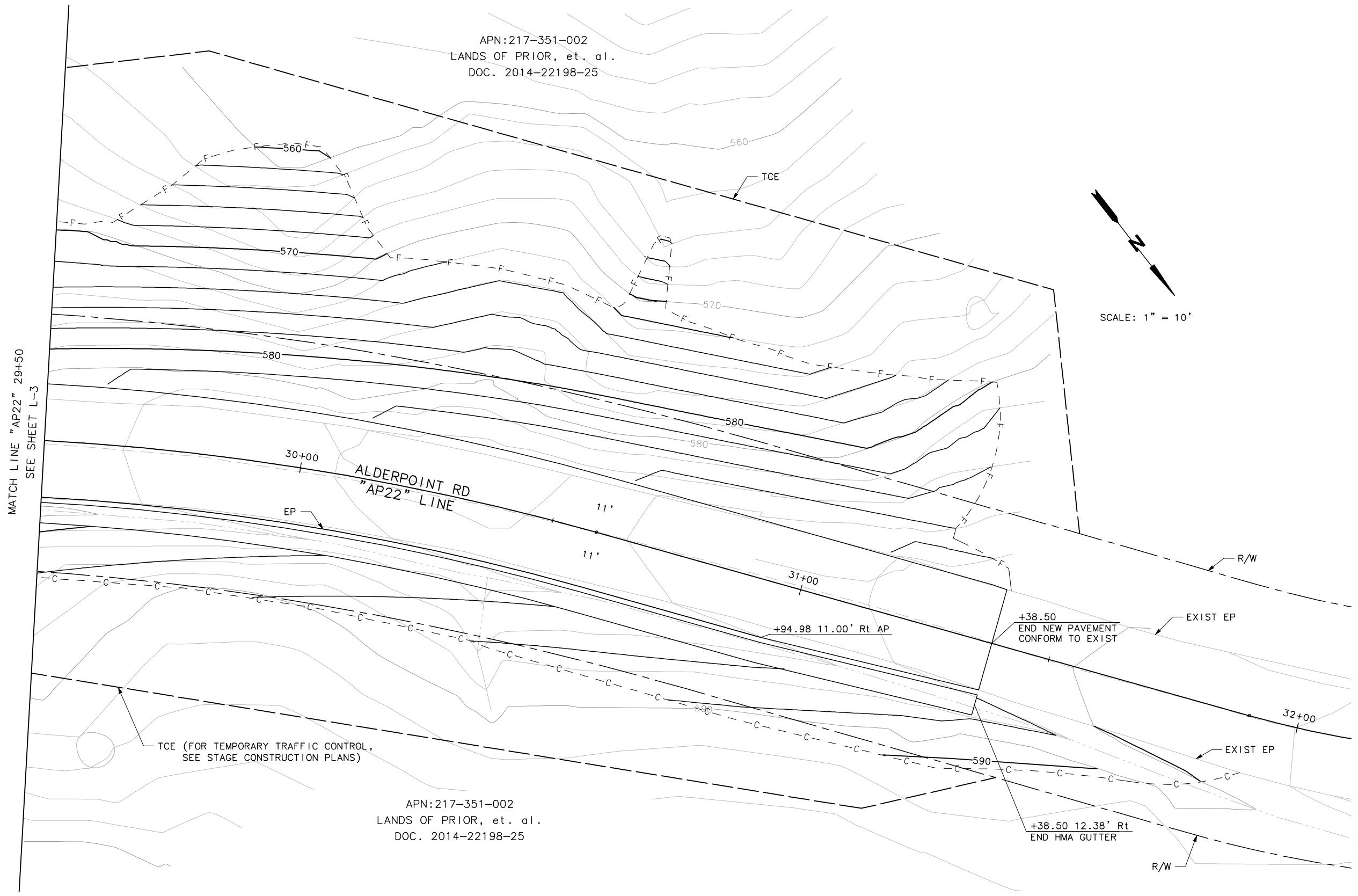


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
LAYOUT - PM 23.0

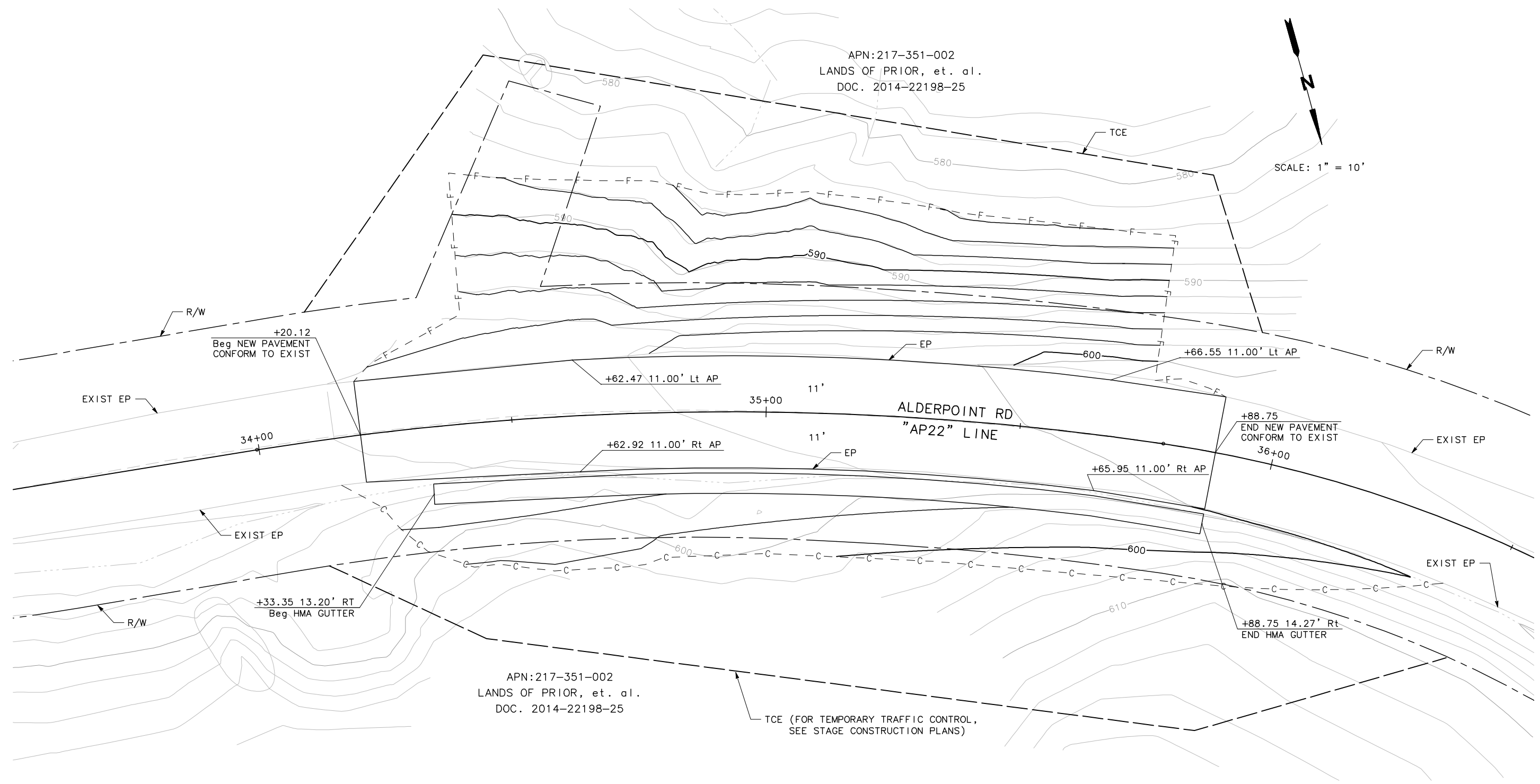
SHEET **11**
OF
45



L-4

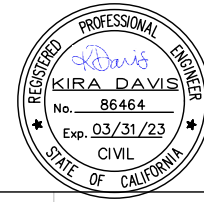


ROAD NAME: ALDERPOINT ROAD		MARK THOMAS		COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		SHEET 12 OF 45
ROAD NO: F6B165	MILE POST: 21.8, 22.8, 23.0-23.05	DESIGNED BY: CM	ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)			
PROJECT NO.: ER-32L(329)	EA NO.:	DRAWN BY: CM	LAYOUT - PM 23.05			
CONTRACT NO.: 217288		BRIDGE NO: N/A	REVIEWED BY: KD			
DRAWING FILE NAME:		APPROVED BY:				
PLOT DATE: MARCH 2021	REVISION DATE:					



LEGEND:

(XXXX.XX) EXIST ELEVATION

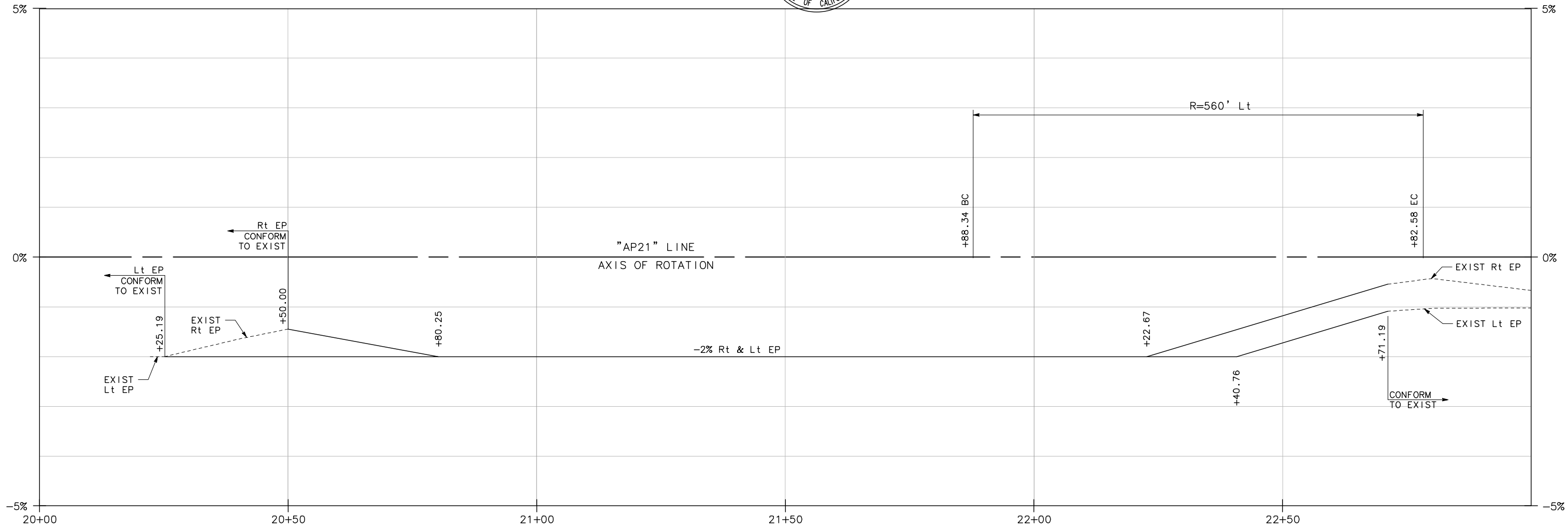


ROAD NAME: ALDERPOINT ROAD		MILE POST: 21.8, 22.8, 23.0-23.05	
ROAD NO: F68165	EA NO:	DESIGNED BY: CM	APPROVED BY:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A	DRAWN BY: CM	REVIEWED BY: KD
CONTRACT NO.: 217288	DRAWING FILE NAME:	PLOT DATE: MARCH 2021	REVISION DATE:

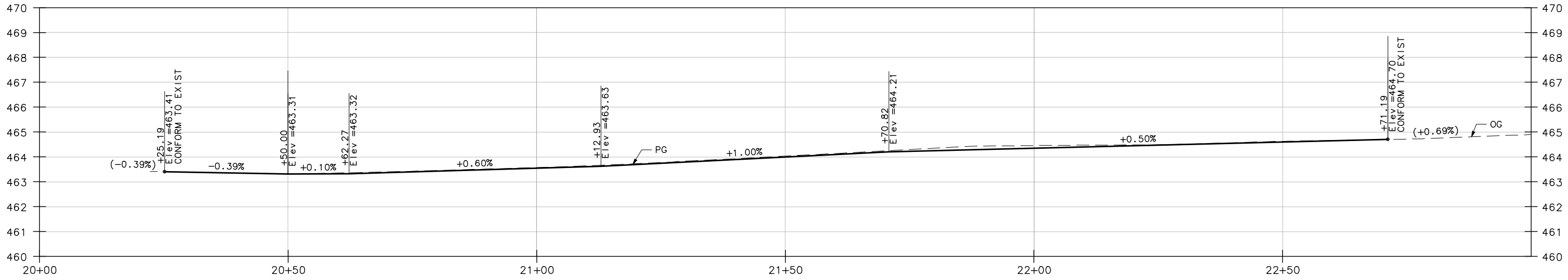
MARK THOMAS
 DESIGNED BY: CM
 DRAWN BY: CM
 REVIEWED BY: KD
 APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
PROFILE AND SUPERELEVATION -
PM 21.8

SHEET **13**
 OF
45



SUPERELEVATION DIAGRAM
 SCALE: HORIZ 1" = 10'



PROFILE
 SCALE: HORIZ 1" = 10'
 VERT 1" = 2'

PS-1

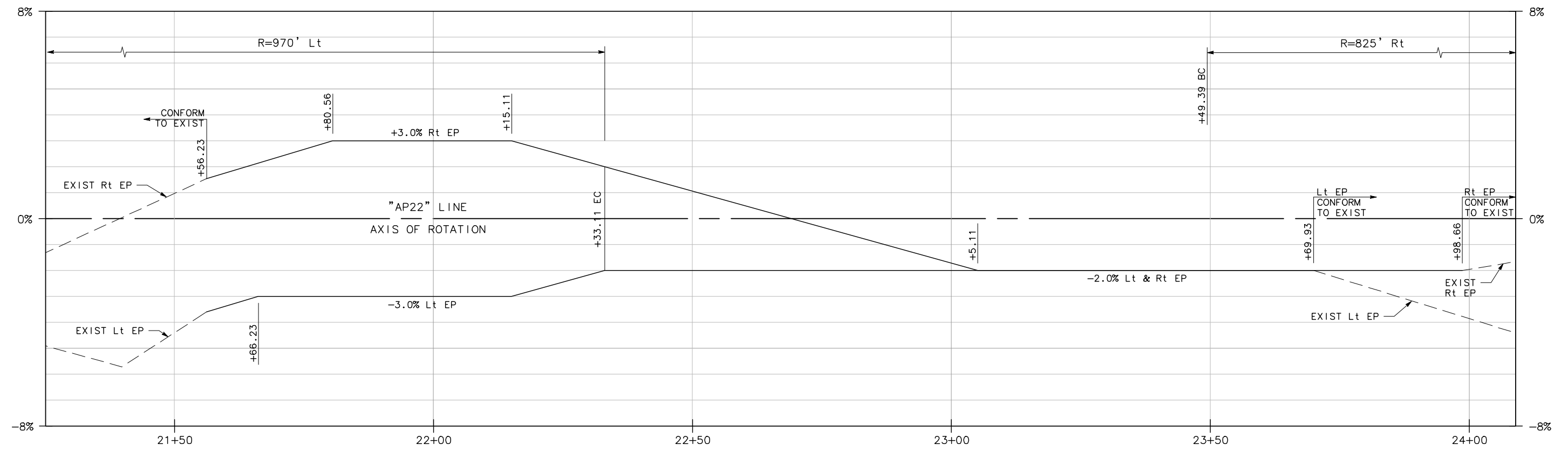


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F68165	EA NO:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

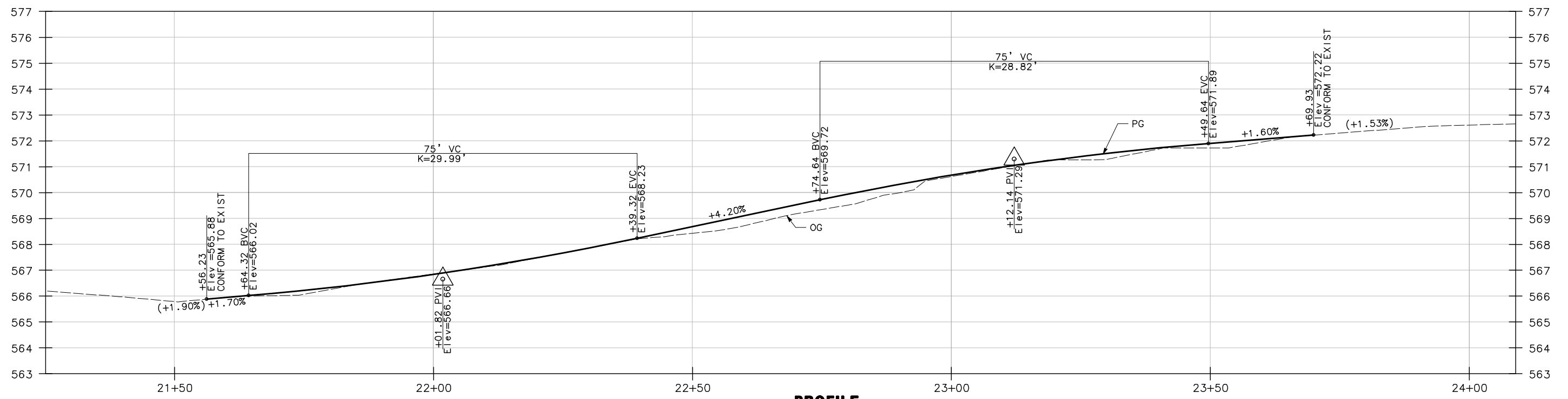
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
PROFILE AND SUPERELEVATION - PM 22.8

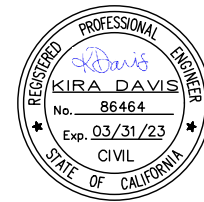
SHEET **14**
OF
45



SUPERELEVATION DIAGRAM
SCALE: HORIZ 1" = 10'



PROFILE
SCALE: HORIZ 1" = 10'
VERT 1" = 2'

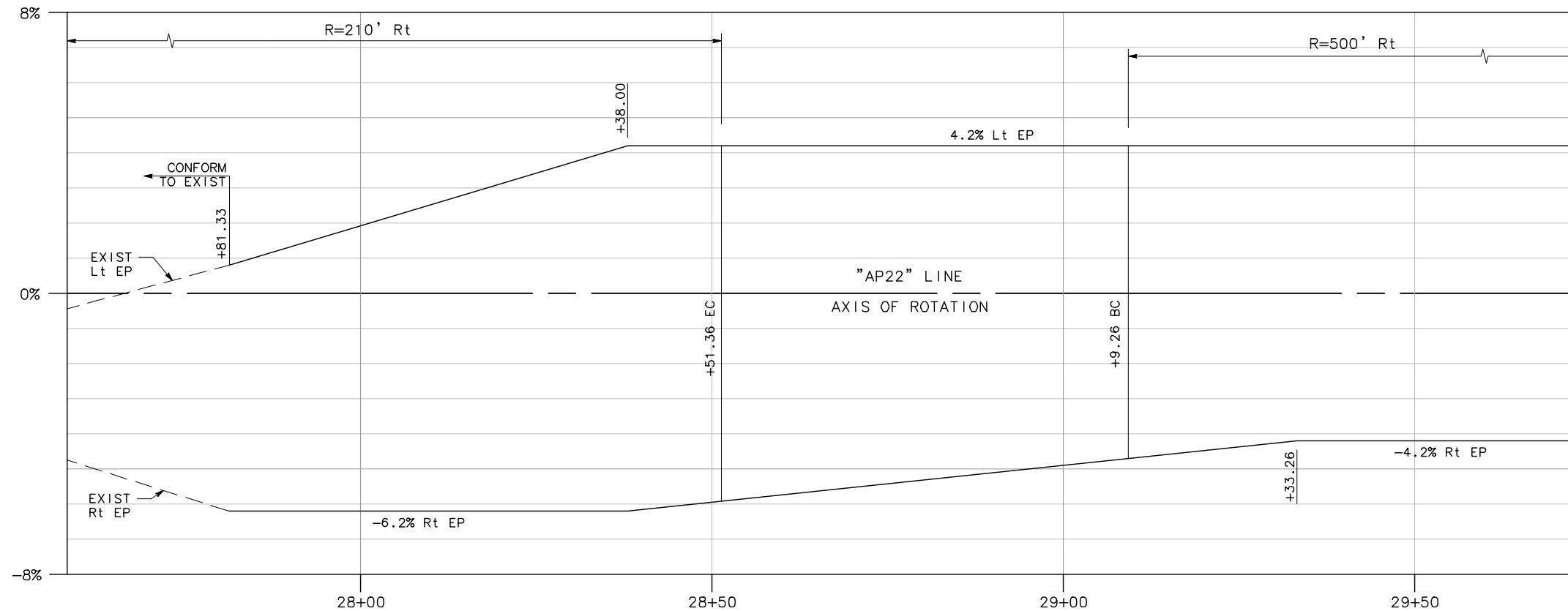


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
PROFILE AND SUPERELEVATION - PM 23.0

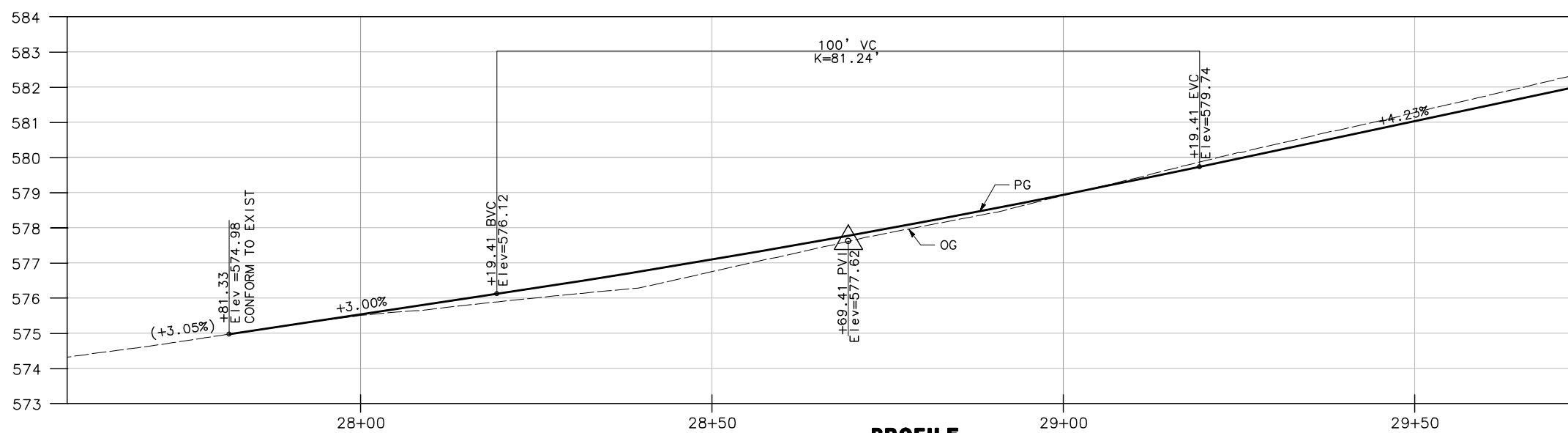
SHEET
15
OF
45



MATCH LINE "AP22" 29+75
SEE PS-4

SUPERELEVATION DIAGRAM

SCALE: HORIZ 1" = 10'



MATCH LINE "AP22" 29+75
SEE PS-4

PROFILE

SCALE: HORIZ 1" = 10'
VERT 1" = 2'

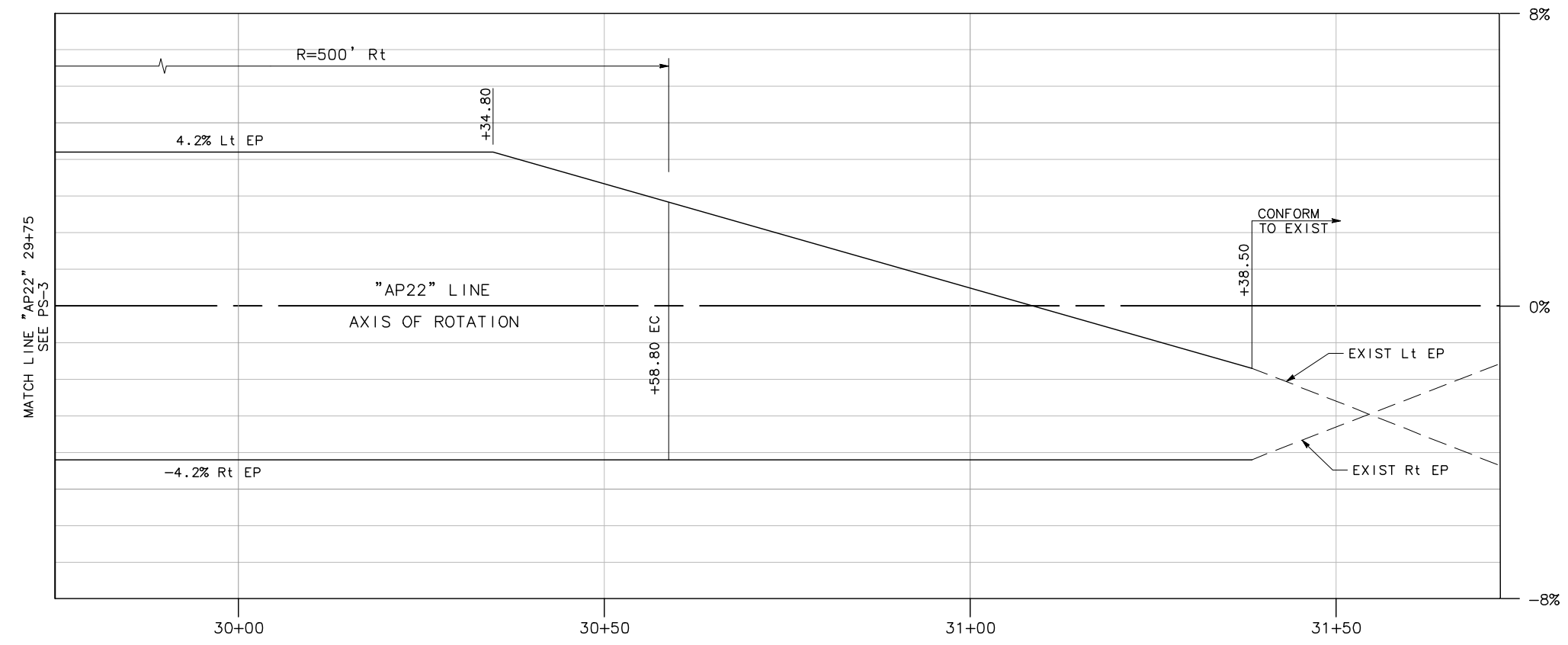


ROAD NAME: ALDERPOINT ROAD		MILE POST: 21.8, 22.8, 23.0-23.05	
ROAD NO: F68165	EA NO:	DESIGNED BY: CM	
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A	DRAWN BY: CM	
CONTRACT NO.: 217288	DRAWING FILE NAME:	REVIEWED BY: KD	
PLOT DATE: MARCH 2021	REVISION DATE:	APPROVED BY:	

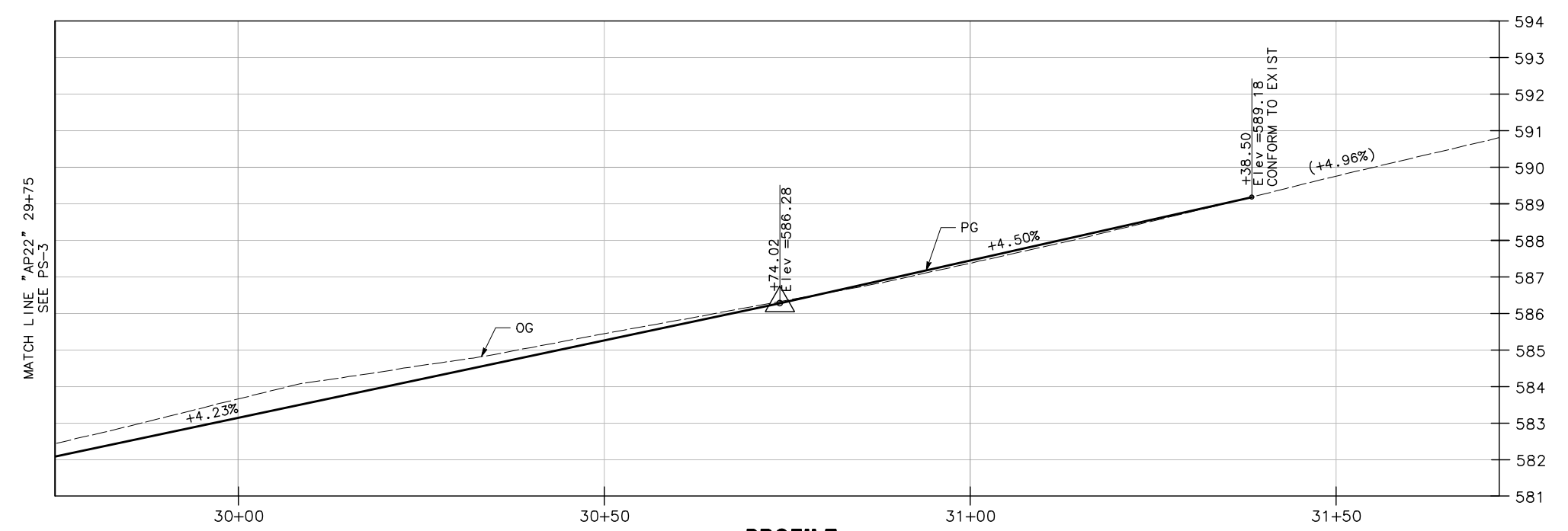
MARK THOMAS
 COUNTY OF HUMBOLDT
 DEPARTMENT OF PUBLIC WORKS

ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
PROFILE AND SUPERELEVATION - PM 23.0

SHEET **16**
 OF
45

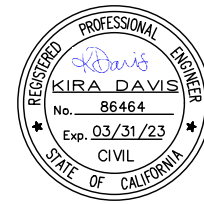


SUPERELEVATION DIAGRAM
 SCALE: HORIZ 1" = 10'



PROFILE
 SCALE: HORIZ 1" = 10'
 VERT 1" = 2'

PS-4

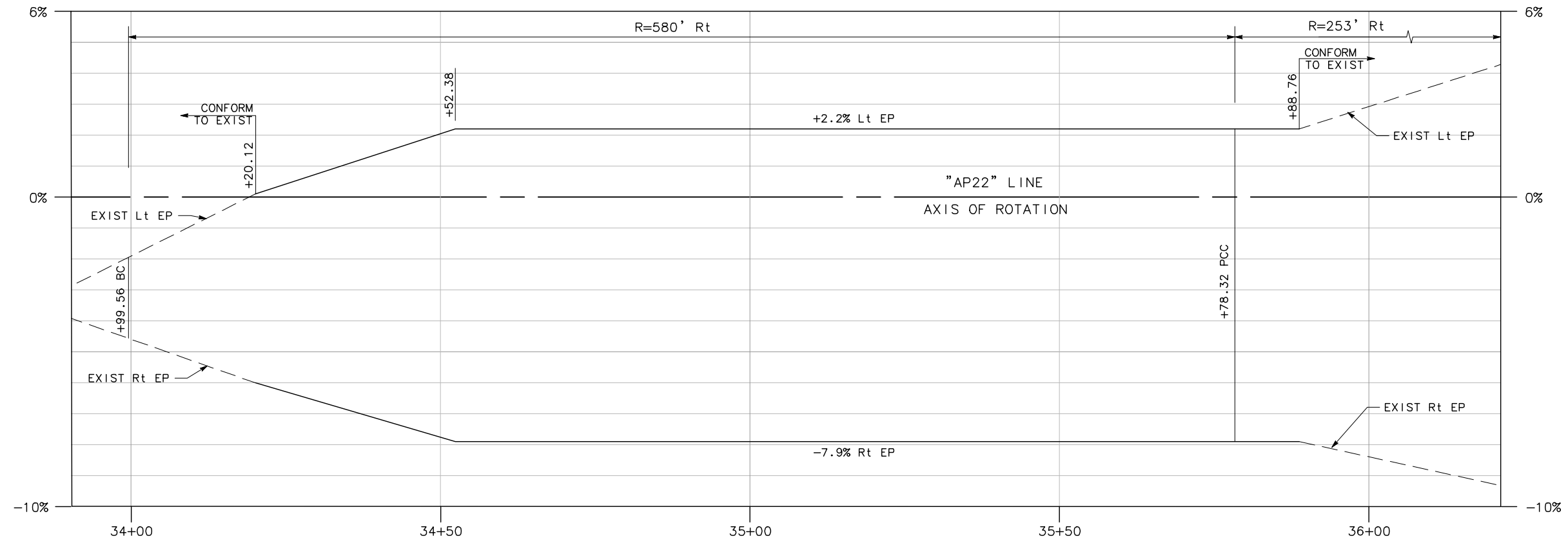


ROAD NAME: ALDERPOINT ROAD		MILE POST: 21.8, 22.8, 23.0-23.05	
ROAD NO: F6B165	PROJECT NO.: ER-32L0(329)	EA NO.:	DESIGNED BY: CM
CONTRACT NO.: 217288	DRAWING FILE NAME:	BRIDGE NO: N/A	DRAWN BY: CM
PLOT DATE: MARCH 2021	REVISION DATE:	REVIEWED BY: KD	APPROVED BY:

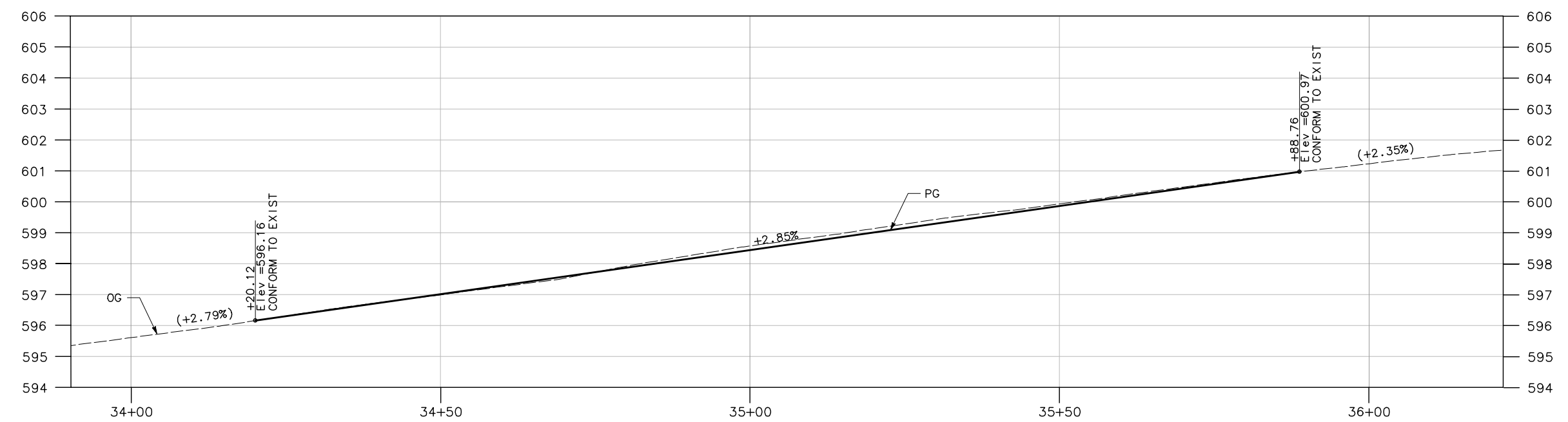
MARK THOMAS
 DESIGNED BY: CM
 DRAWN BY: CM
 REVIEWED BY: KD
 APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
PROFILE AND SUPERELEVATION -
PM 23.05

SHEET **17**
 OF
45



SUPERELEVATION DIAGRAM
 SCALE: HORIZ 1" = 10'



PROFILE
 SCALE: HORIZ 1" = 10'
 VERT 1" = 2'

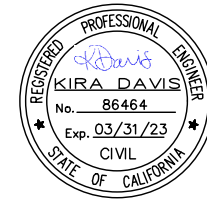
PS-5

NOTES:

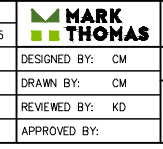
- FOR STEEL PIPE INLET DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, D75A.
- FOR CORRUGATED METAL PIPE DOWNDRAIN DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, D87D.

LEGEND:

- +---(oh)--- EXIST FRONTIER OVERHEAD TELEPHONE LINE
- sd--- EXIST STORM DRAIN
- SD--- STORM DRAIN
- UNDERDRAIN
- # DRAINAGE SYSTEM ID



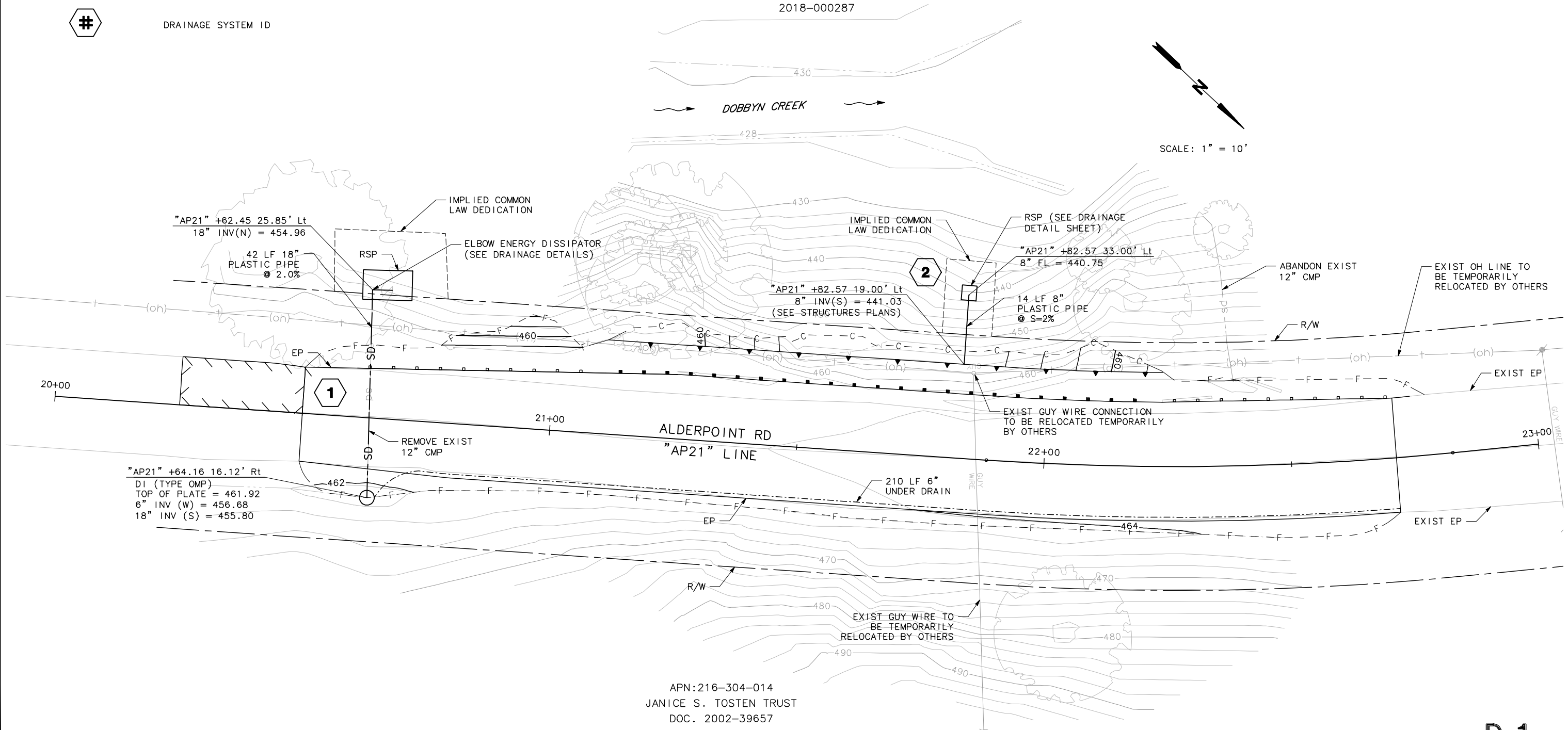
ROAD NAME: ALDERPOINT ROAD		MILE POST: 21.8, 22.8, 23.0-23.05	
ROAD NO: F6B165	EA NO.:	DESIGNED BY: CM	APPROVED BY:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A	DRAWN BY: CM	REVIEWED BY: KD
CONTRACT NO.: 217288	DRAWING FILE NAME:	PLOT DATE: MARCH 2021	REVISION DATE:



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE AND UTILITIES - PM 21.8

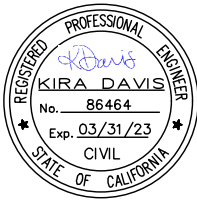
SHEET **18**
OF
45

APN:216-304-007
LANDS OF BESTLA PROPERTIES, LLC AND MALABEAU, LLC
DOC. 2018-000286
2018-000287



APN:216-304-014
JANICE S. TOSTEN TRUST
DOC. 2002-39657

SCALE: 1" = 10'

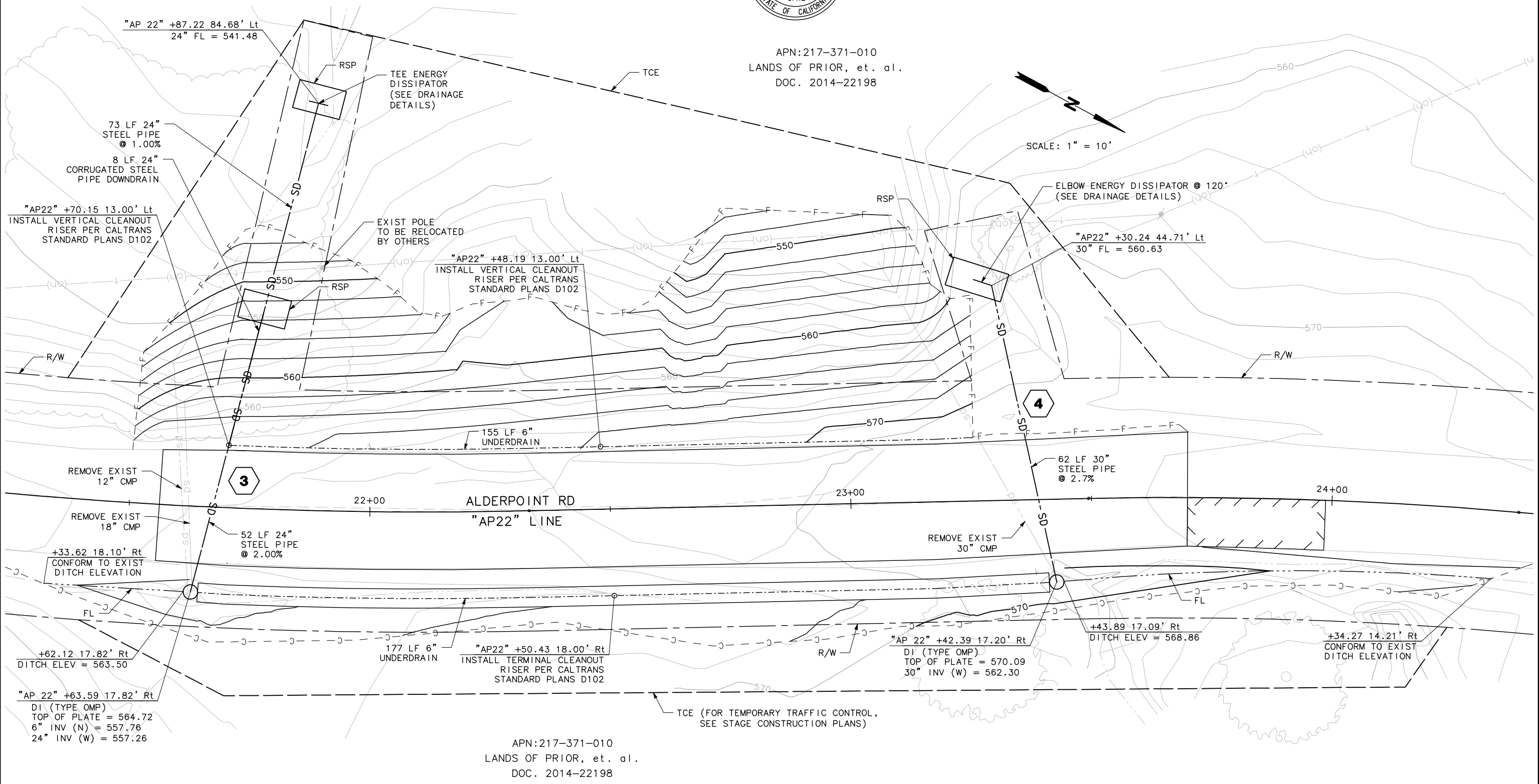


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE AND UTILITIES -
PM 22.8

SHEET
19
OF
45



APN:217-371-010
LANDS OF PRIOR, et. al.
DOC. 2014-22198

SCALE: 1" = 10'

APN:217-371-010
LANDS OF PRIOR, et. al.
DOC. 2014-22198

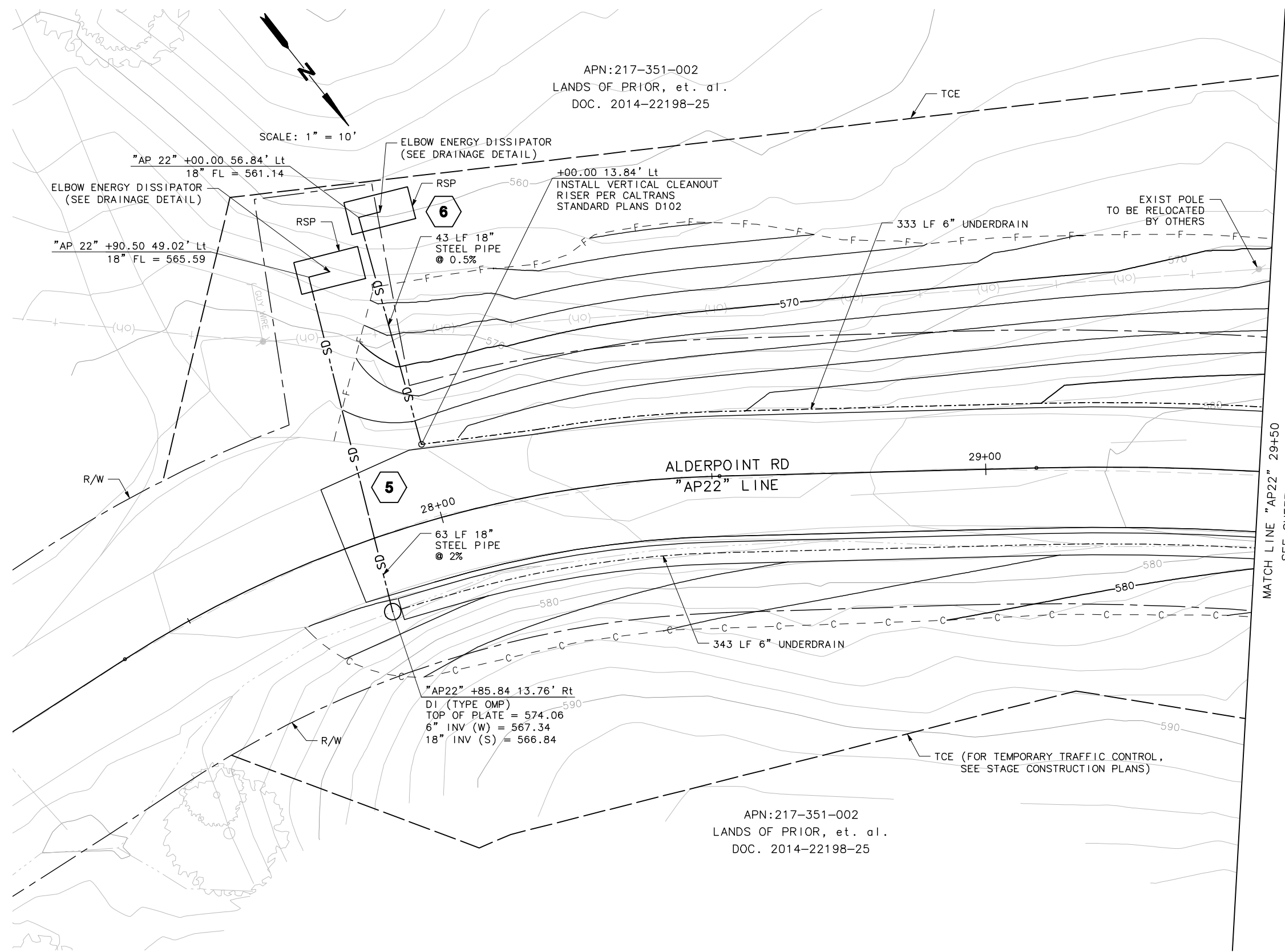


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE AND UTILITIES - PM 23.0

SHEET
20
OF
45



MATCH LINE "AP22" 29+50
SEE SHEET D-4

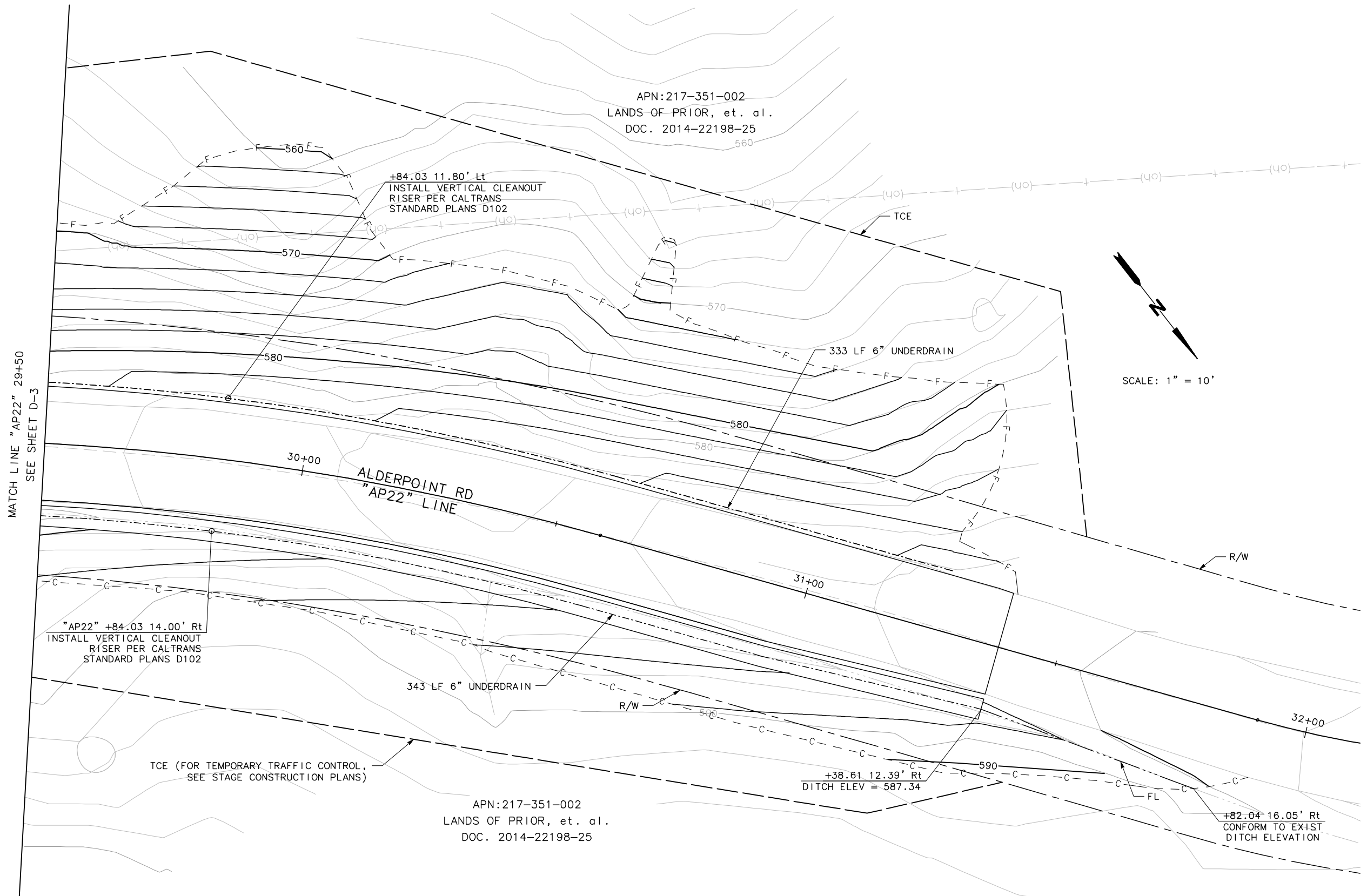


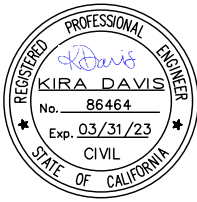
ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE AND UTILITIES -
PM 23.0

SHEET
21
OF
45



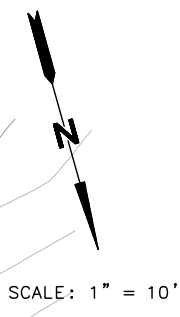
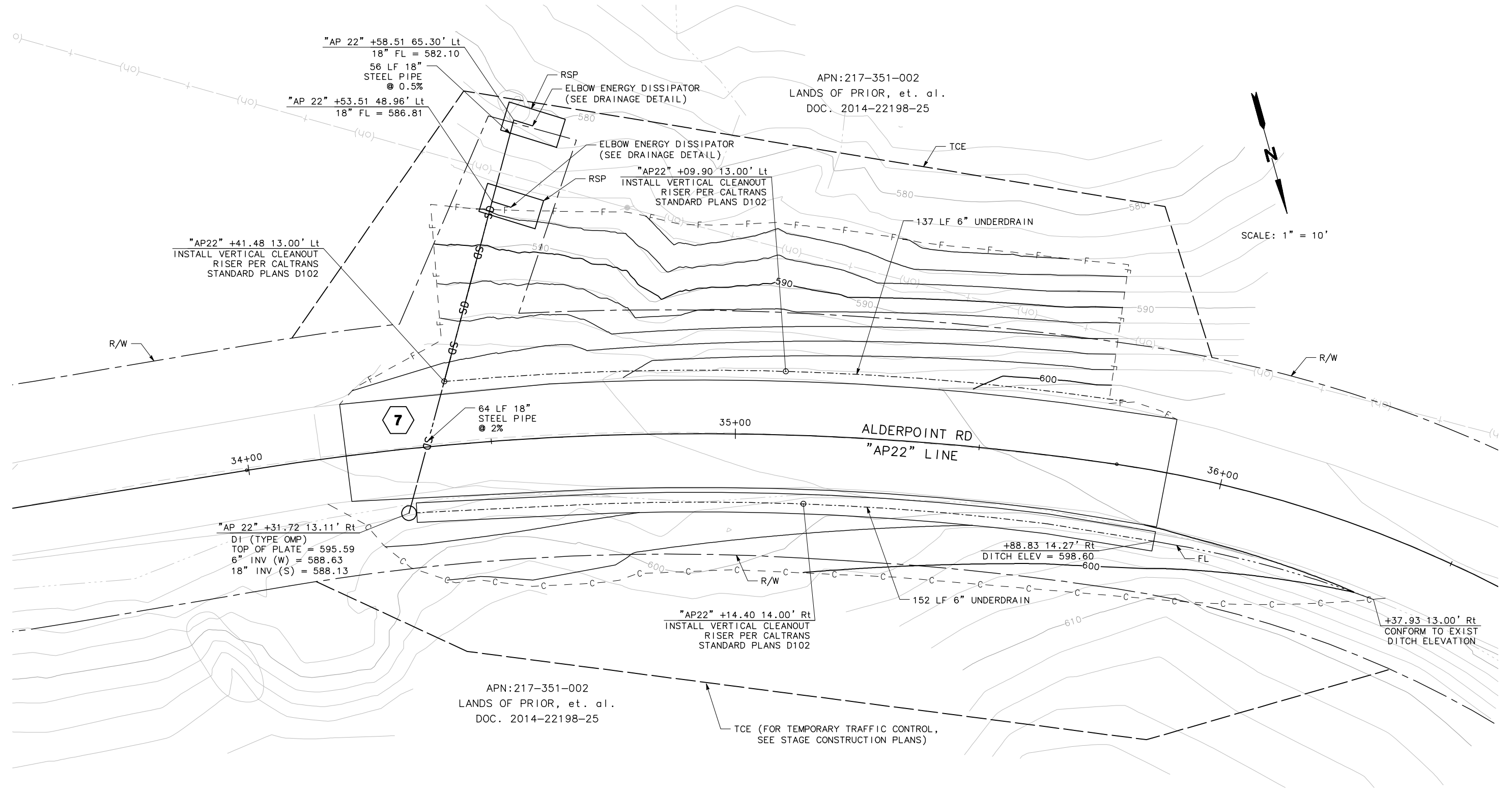


BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME:	ALDERPOINT ROAD
	ROAD NO.:	F6B165
	PROJECT NO.:	ER-32L(329)
	CONTRACT NO.:	217268
	DRAWING FILE NAME:	
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	MILE POST:	21.8, 22.8, 23.0-23.05
	EA NO.:	
	BRIDGE NO.:	N/A
	PLOT DATE:	MARCH 2021
	REVISION DATE:	

	DESIGNED BY:	CM
	DRAWN BY:	CM
	REVIEWED BY:	KD
	APPROVED BY:	

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE AND UTILITIES - PM 23.05

SHEET
22
OF
45



D-5

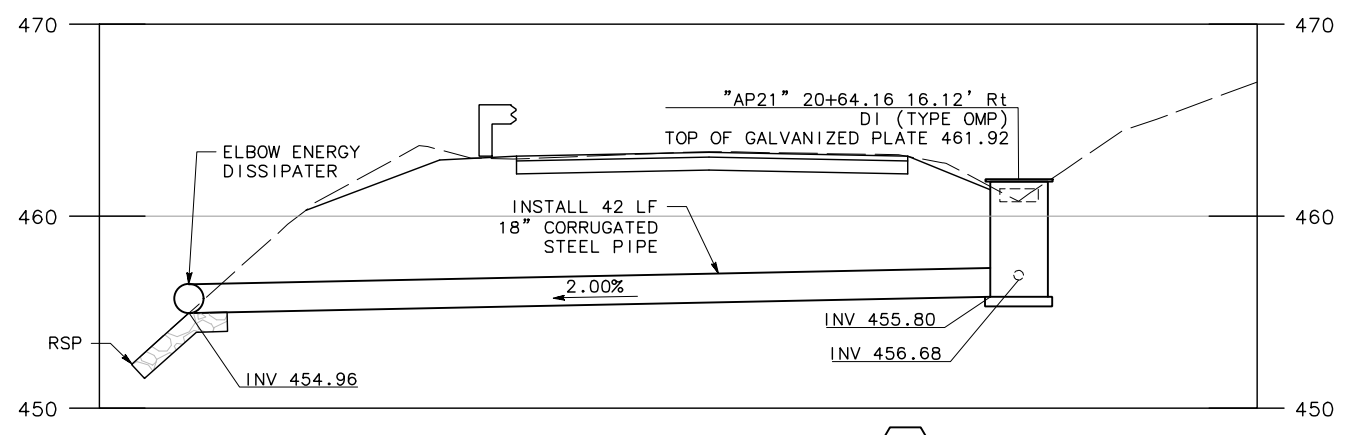


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

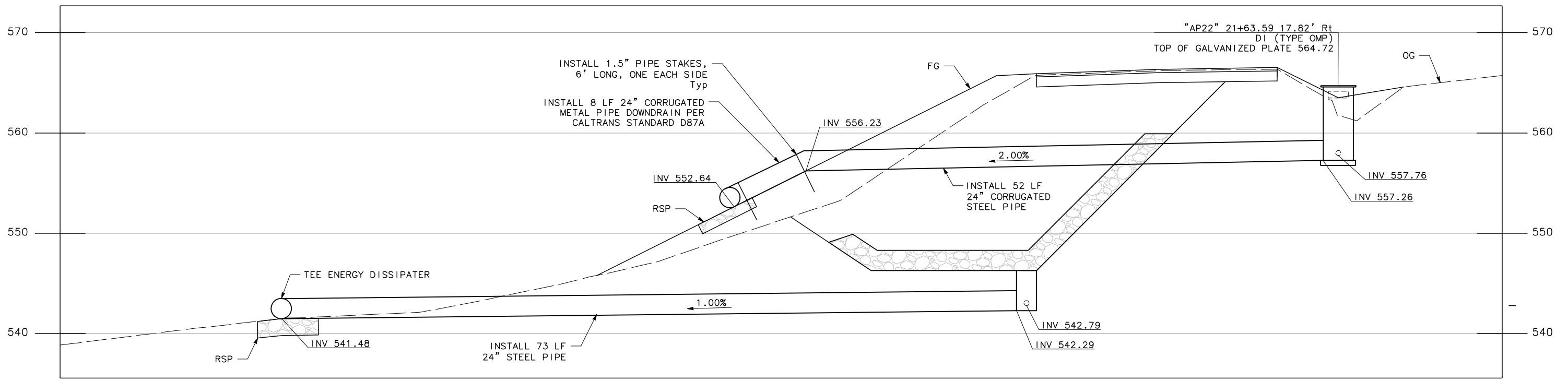
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE DETAILS

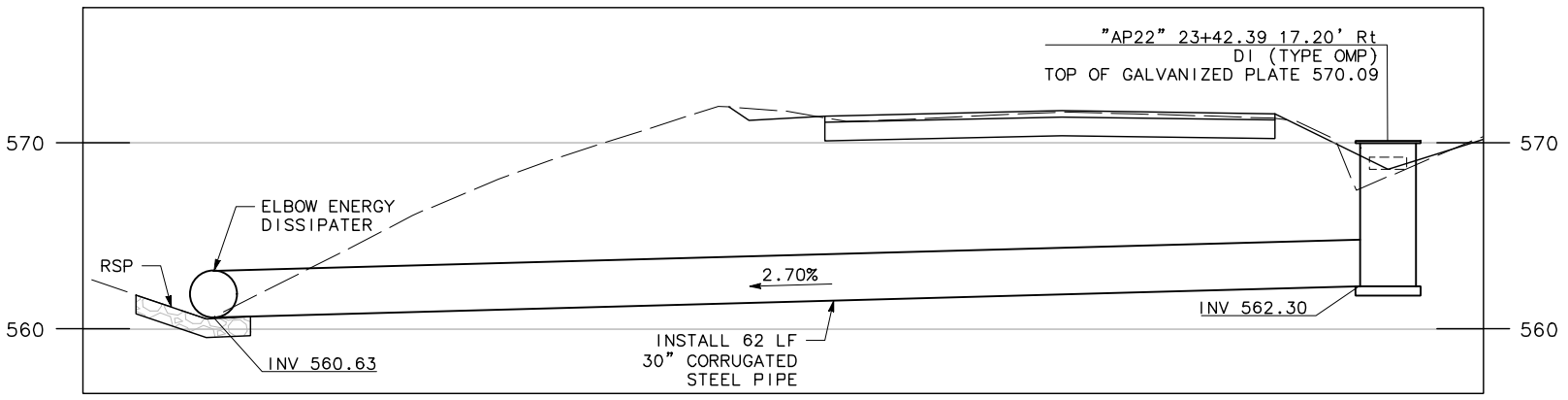
SHEET
23
OF
45



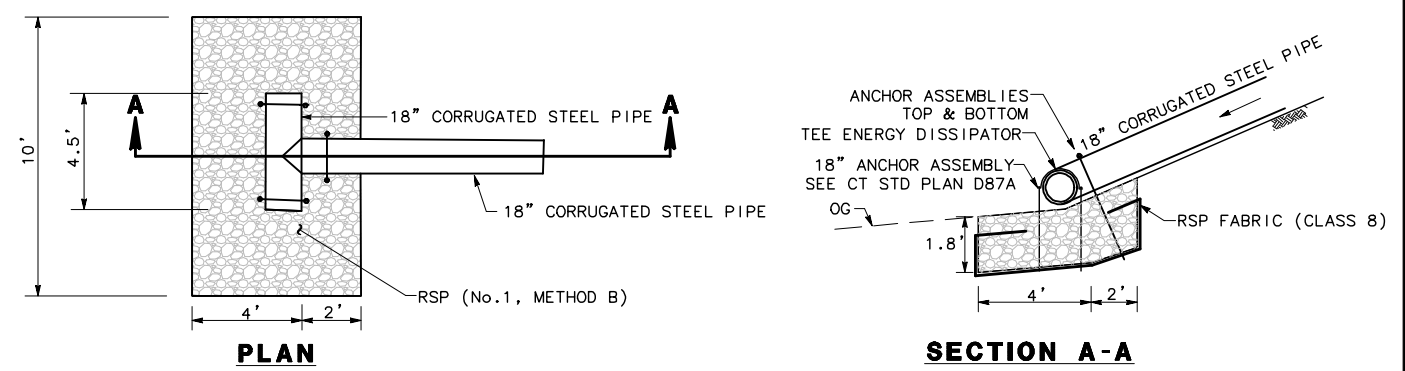
DRAINAGE SYSTEM 1



DRAINAGE SYSTEM 3



DRAINAGE SYSTEM 4



TEE ENERGY DISSIPATOR & ROCK SLOPE PROTECTION (RSP)

3

DD-1

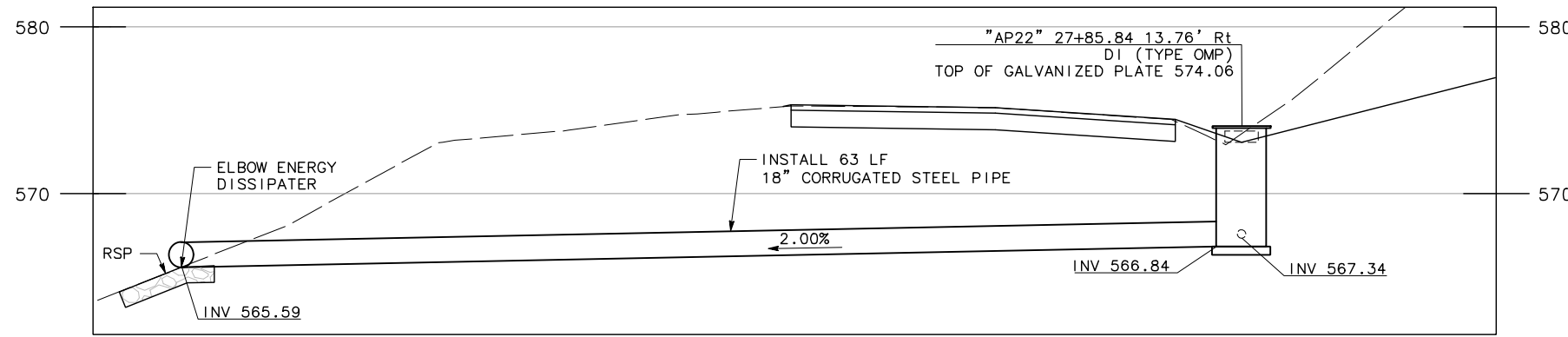


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

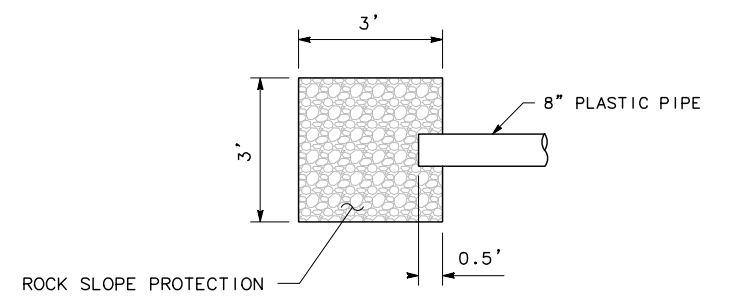
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
DRAINAGE DETAILS

SHEET **24**
OF
45

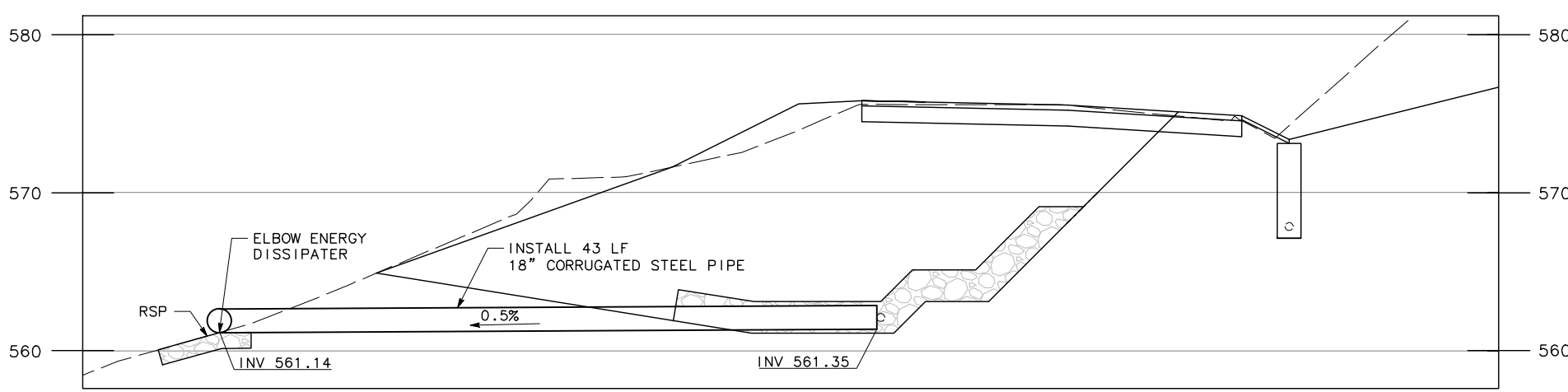


DRAINAGE SYSTEM 5

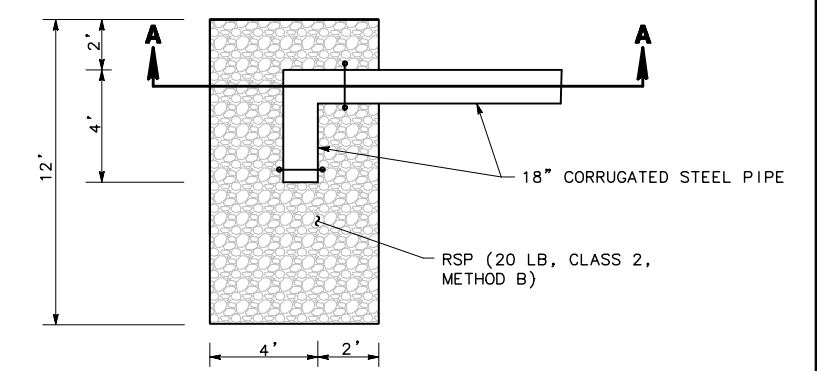


RETAINING WALL DRAIN OUTFALL

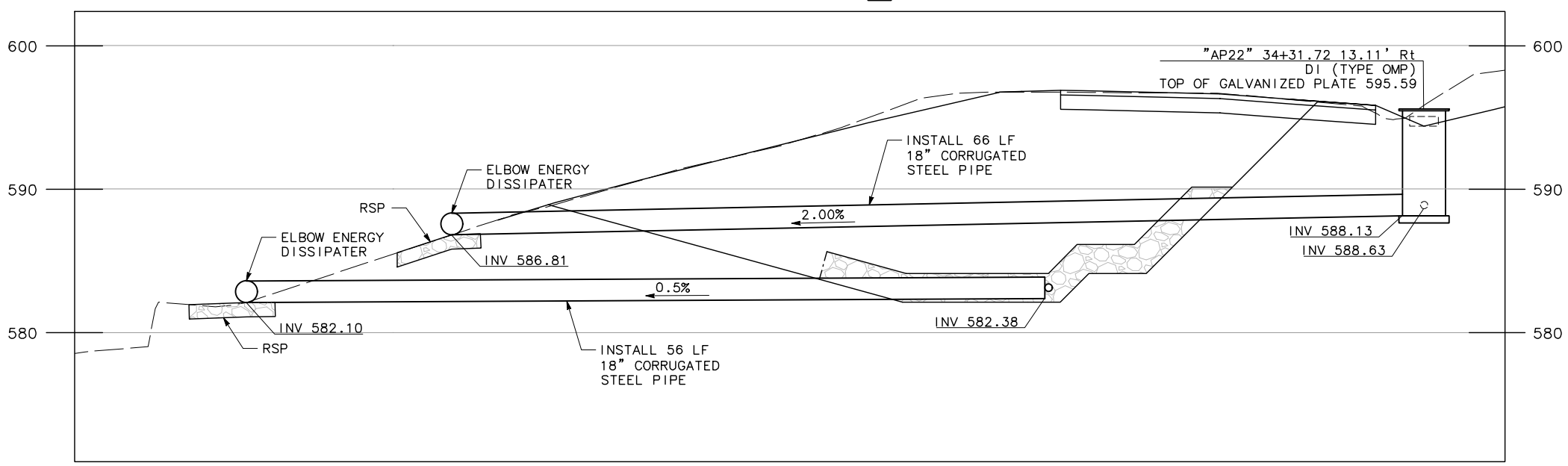
2



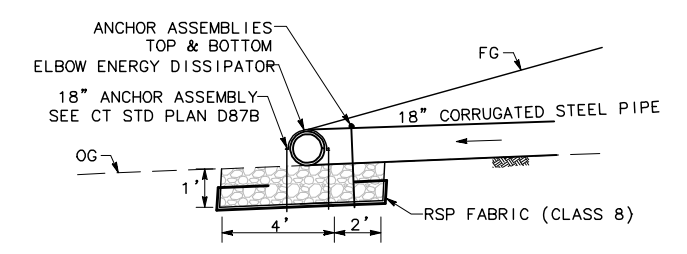
DRAINAGE SYSTEM 6



PLAN



DRAINAGE SYSTEM 7



SECTION A-A





ELBOW ENERGY DISSIPATOR & ROCK SLOPE PROTECTION (RSP)

- 1 3 4 5 6 7**

NOTES:

1. FOR ROLLED EROSION CONTROL PRODUCT DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, H52.
2. FOR TEMPORARY CHECK DAM DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, T57.

LEGEND:

-  DRY SEED AND STRAW
-  ROLLED EROSION CONTROL PRODUCT (RECP)
- ~~~~ FR ~~~~ FR - FIBER ROLL
- CD — CD — TEMP CHECK DAM
- xx — TSF — TEMP SILT FENCE
-  WASH TEMP CONCRETE WASHOUT
-  TE TEMP CONSTRUCTION ENTRANCE

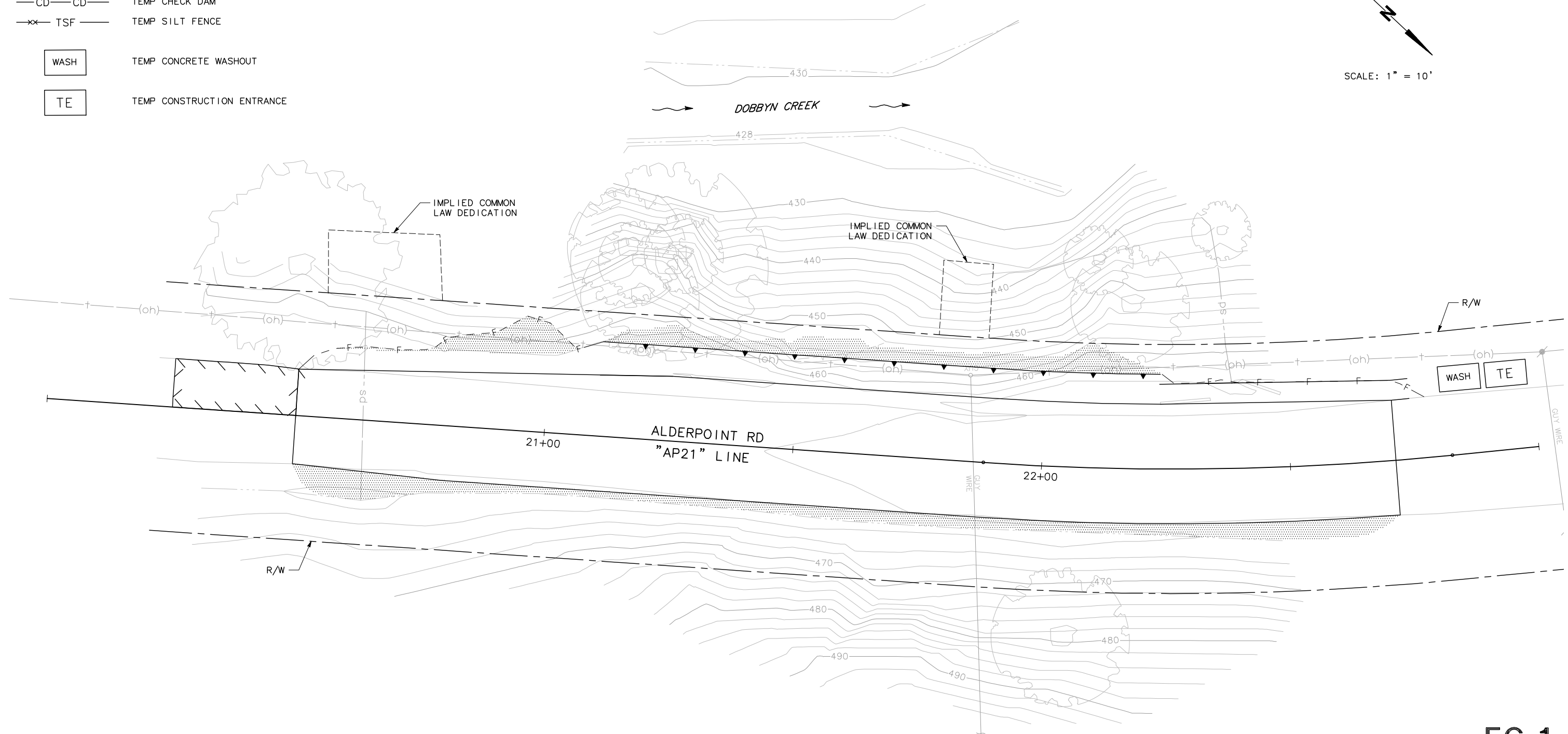
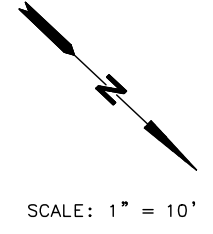


ROAD NAME: ALDERPOINT ROAD		MILE POST: 21.8, 22.8, 23.0-23.05	
ROAD NO: F68165	EA NO:	DESIGNED BY: CM	MARK THOMAS
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A	DRAWN BY: CM	
CONTRACT NO.: 217288	DRAWING FILE NAME:	REVIEWED BY: KD	
PLOT DATE: MARCH 2021	REVISION DATE:	APPROVED BY:	

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)

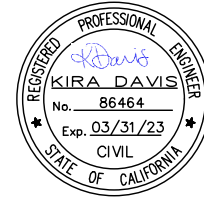
SHEET
25
OF
45

EROSION CONTROL - PM 21.8



THIS PLAN ACCURATE FOR EROSION CONTROL ONLY

EC-1

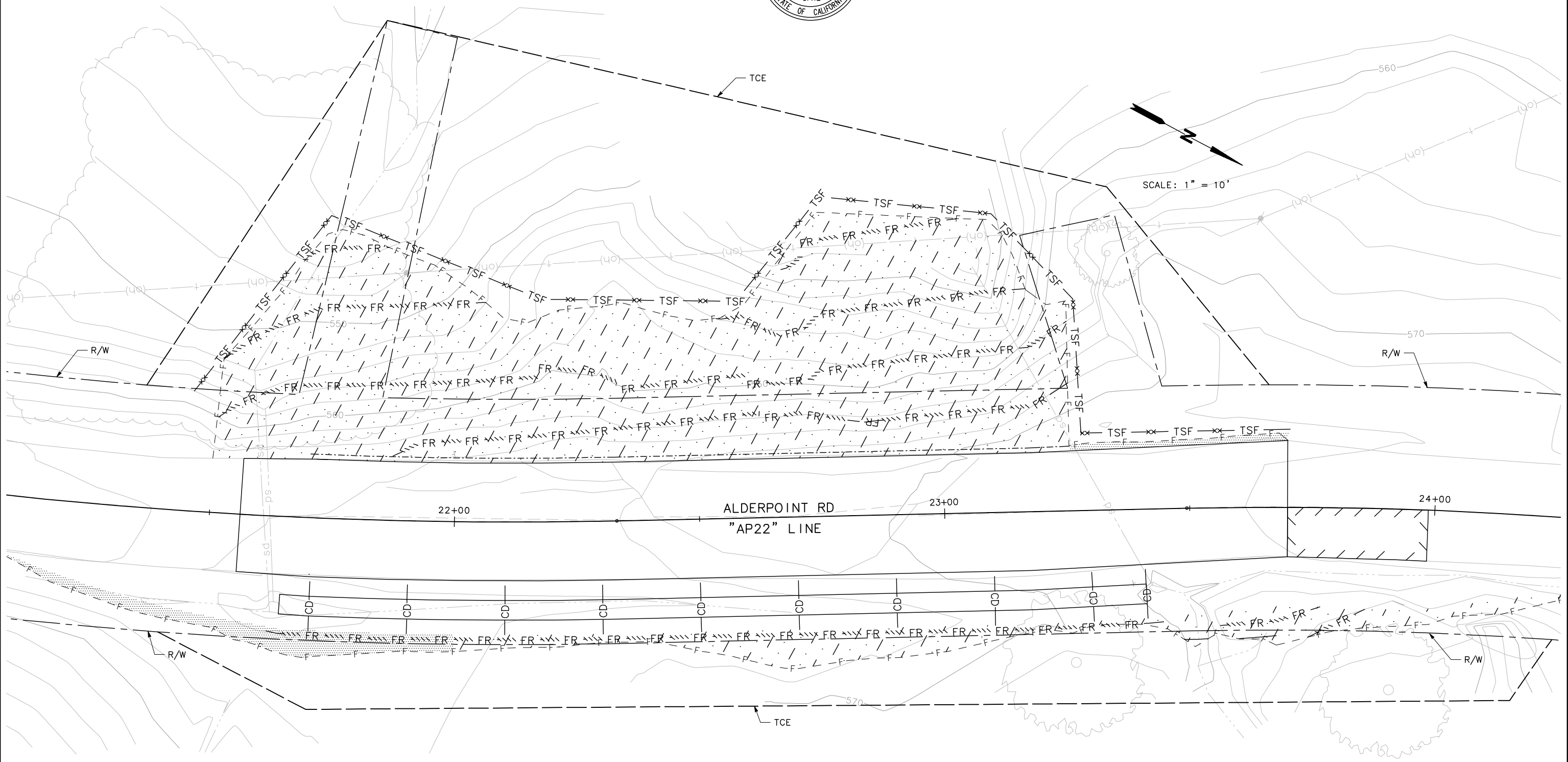


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

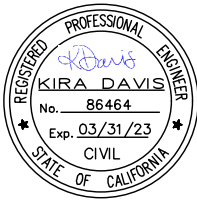
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
EROSION CONTROL - PM 22.8

SHEET
26
OF
45



THIS PLAN ACCURATE FOR EROSION CONTROL ONLY

EC-2

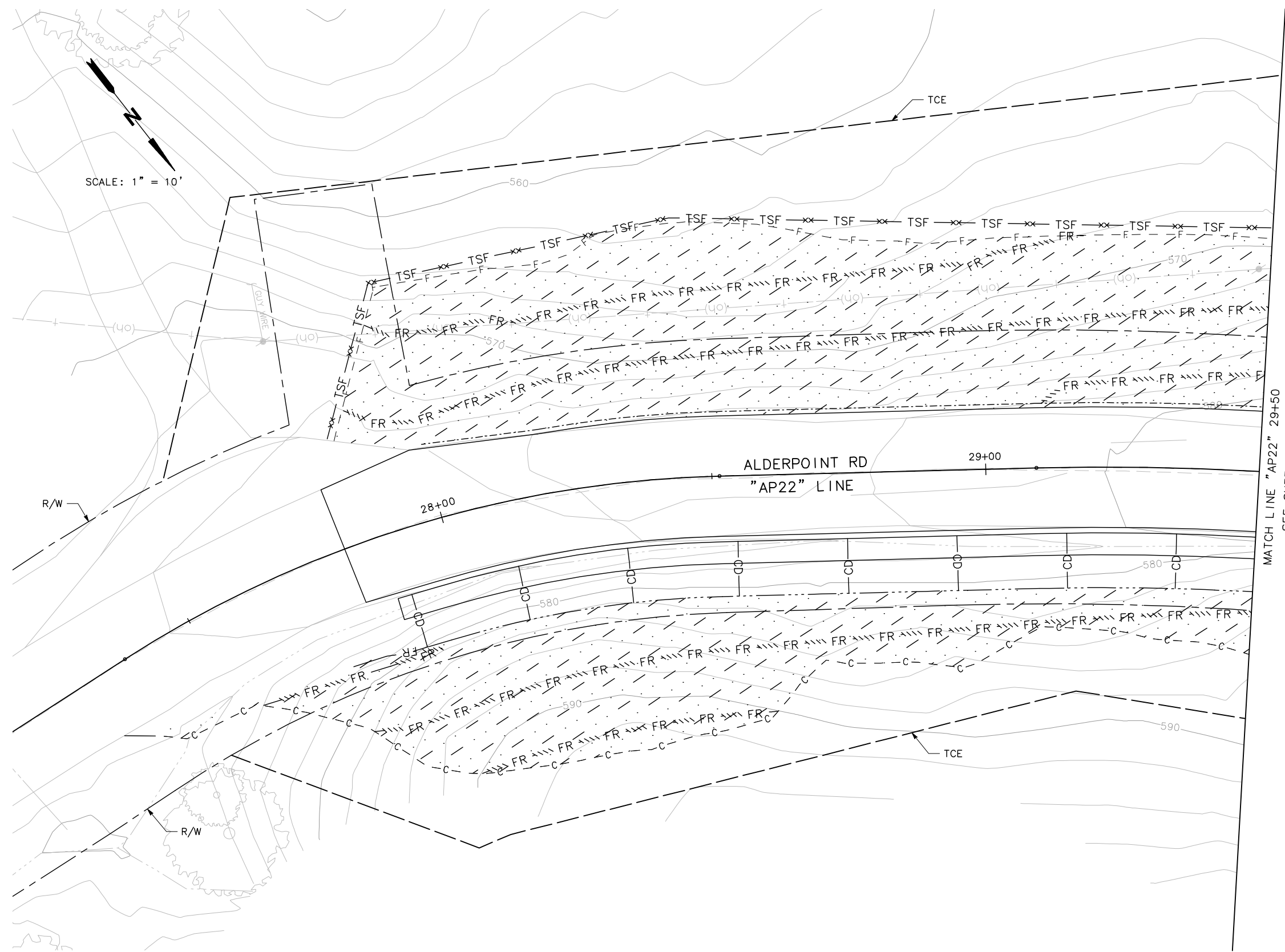


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

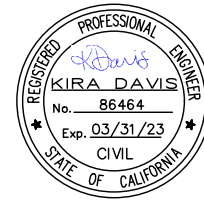
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
EROSION CONTROL - PM 23.0

SHEET **27**
 OF
45



THIS PLAN ACCURATE FOR EROSION CONTROL ONLY

EC-3

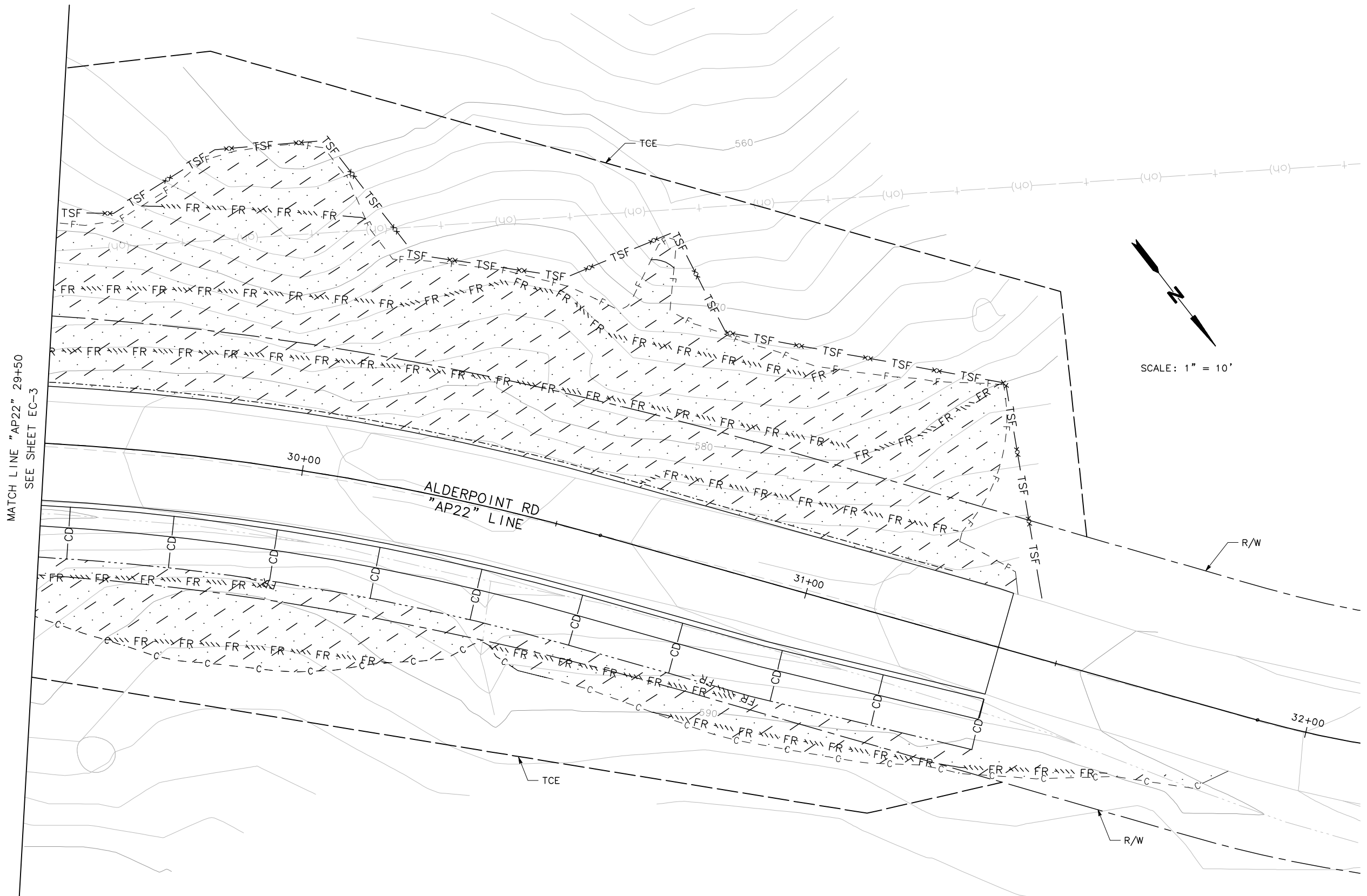


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
EROSION CONTROL - PM 23.0

SHEET
28
OF
45



MATCH LINE "AP22" 29+50
SEE SHEET EC-3

ALDERPOINT RD
"AP22" LINE

SCALE: 1" = 10'

THIS PLAN ACCURATE FOR EROSION CONTROL ONLY

EC-4

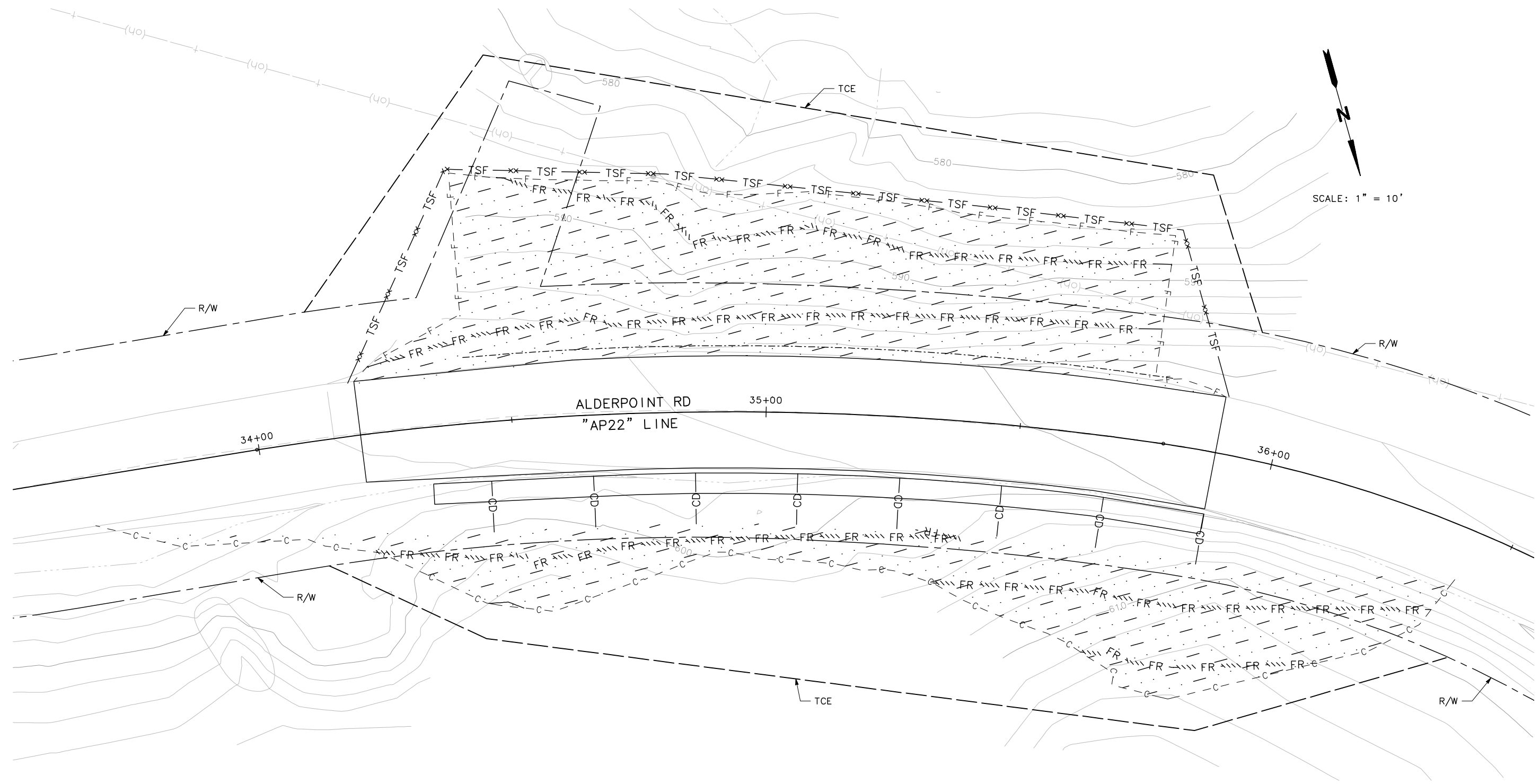


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

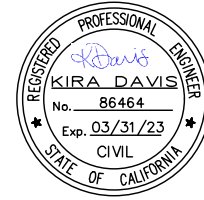
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
EROSION CONTROL - PM
23.05

SHEET
29
OF
45

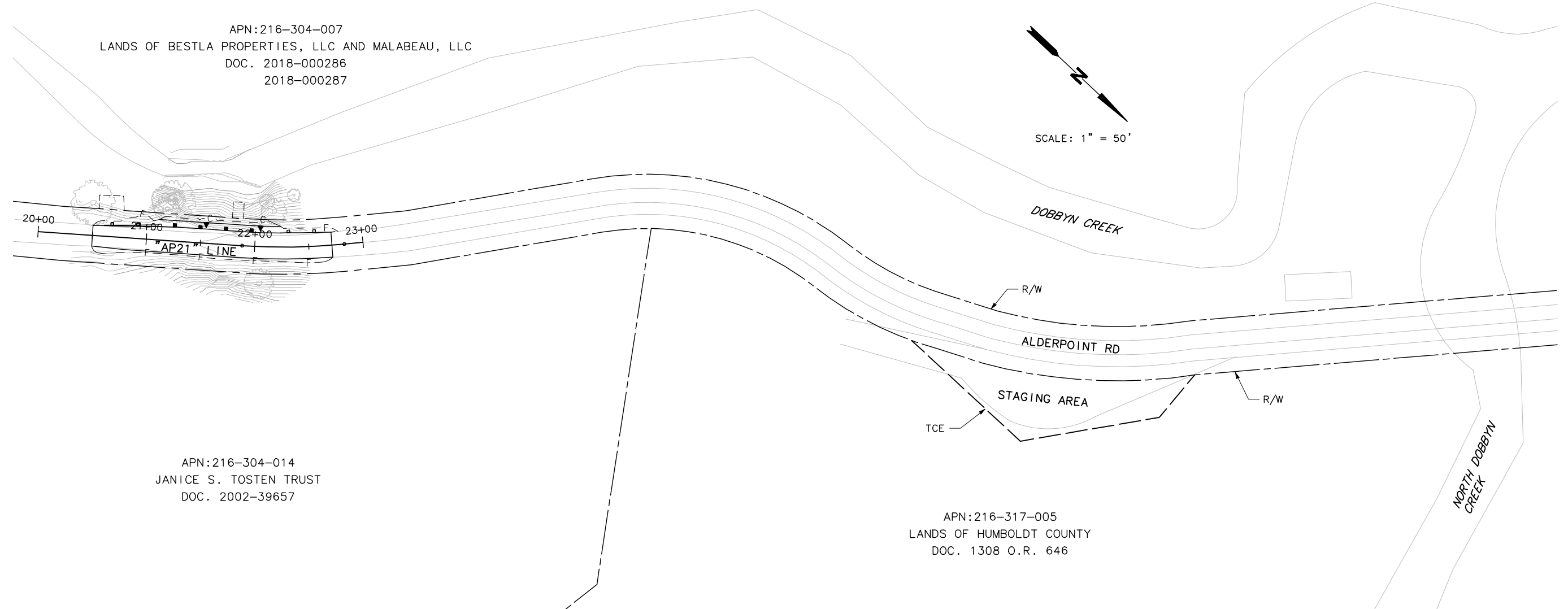


THIS PLAN ACCURATE FOR EROSION CONTROL ONLY

EC-5



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	MARK THOMAS	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 30 OF 45
	ROAD NO: F6B165	MILE POST: 21.8, 22.8, 23.0-23.05	ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)	
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NO.: ER-32L0(329)	EA NO.:	DESIGNED BY: CM	STAGE CONSTRUCTION
	CONTRACT NO.: 217288	BRIDGE NO: N/A	DRAWN BY: CM	
	DRAWING FILE NAME:		REVIEWED BY: KD	
	PLOT DATE: MARCH 2021	REVISION DATE:	APPROVED BY:	



STAGING AREA

NOTES:

1. SEE DRAINAGE AND UTILITY PLAN FOR ANY PERMANENT STORM DRAIN/UTILITIES NOT SHOWN ON THESE PLANS.
2. FOR TEMPORARY CRASH CUSHION DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS, T2.
3. MAINTAIN AT LEAST 10' WIDE LANE FOR TWO-WAY, ONE-LANE TRAFFIC ALONG THE CONSTRUCTION ZONE.
4. SEE SC-2 FOR STAGE 3.









CONSTRUCTION SITE 1:

- STAGE 1: CONSTRUCT 1.5' TEMPORARY PAVEMENT.
- STAGE 2: CONSTRUCT RETAINING WALL, PARTIAL PAVEMENT SECTION, AND 1' TEMPORARY PAVEMENT.
- STAGE 3: CONSTRUCT PARTIAL PAVEMENT SECTION AND PLACE UNDERDRAIN.
- STAGE 4: PLACE DIKE AND MGS.

TRAFFIC CONTROL SITE 1:

1. FOR STAGE 1, MAINTAIN ONE-WAY TRAFFIC CONTROL WITH TEMPORARY SIGNAL DURING CONSTRUCTION OPERATIONS.
2. FOR STAGES 2 AND 3, MAINTAIN ONE-LANE TRAFFIC CONTROL WITH TEMPORARY SIGNAL. (SEE LAYOUT SC-3 AND SC-4)

LEGEND

-  WORK AREA
-  TEMPORARY PAVING AND TEMPORARY GRADING
-  TEMPORARY CHANNELIZERS
-  TEMPORARY RAILING (TYPE K)
-  TEMPORARY 12" WHITE LIMIT LINE
-  CONSTRUCTION AREA SIGN SINGLE POST
-  TRAVEL DIRECTION(S)
-  TEMPORARY CRASH CUSHION (ARRAY 'TS11')

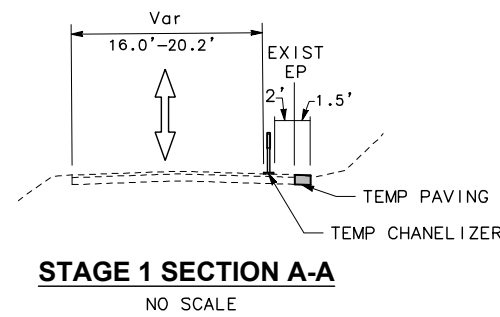
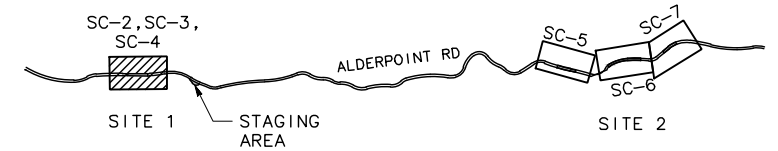


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

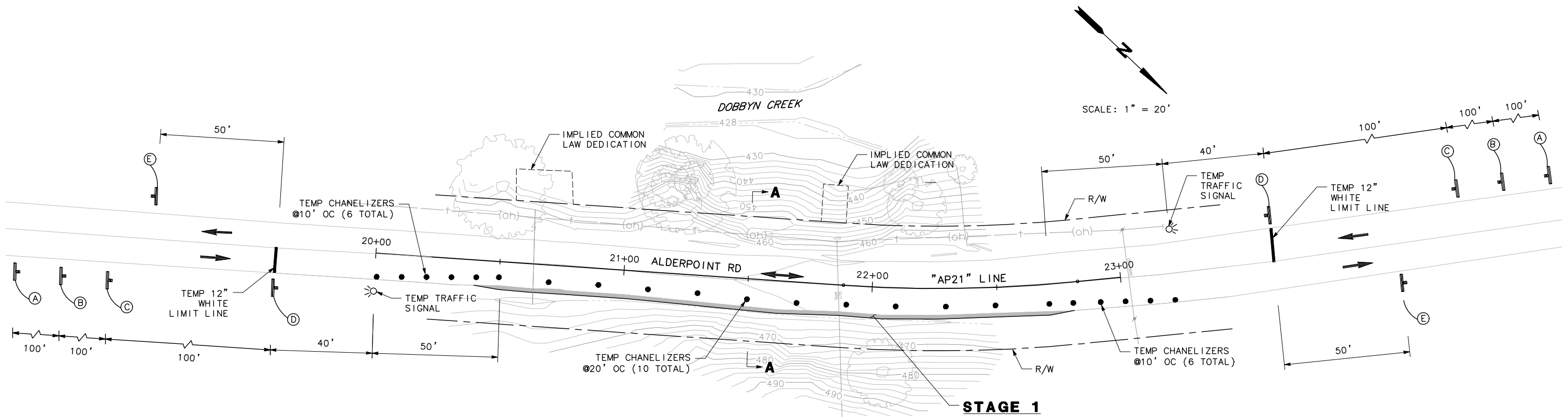
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05) STAGE CONSTRUCTION - STAGE 1, PM 21.8

SHEET **31**
OF
45



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
PM 21.8

SC-2

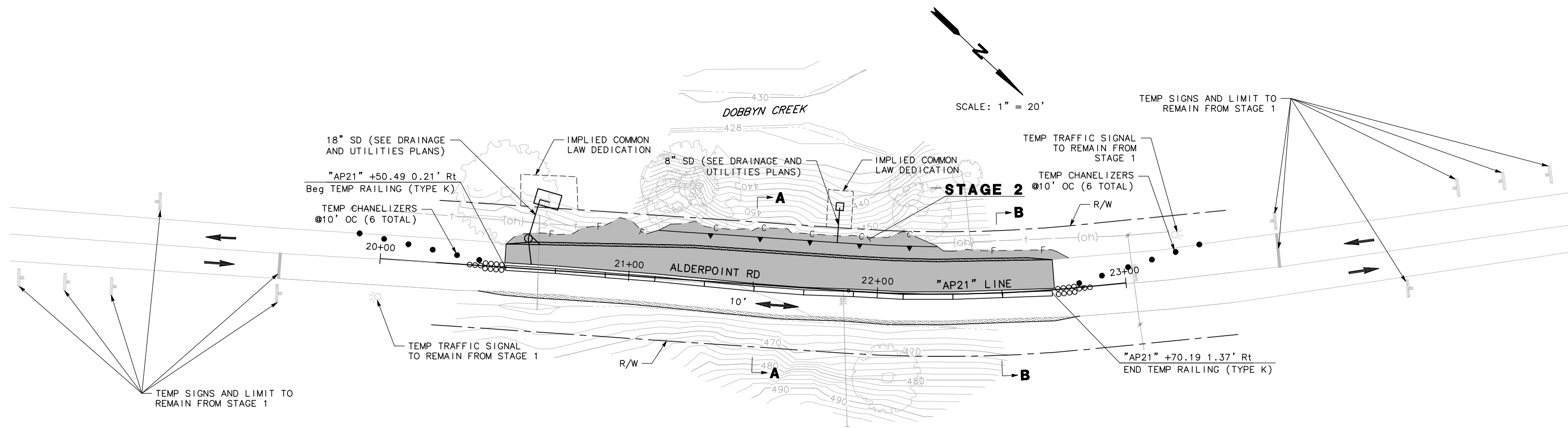
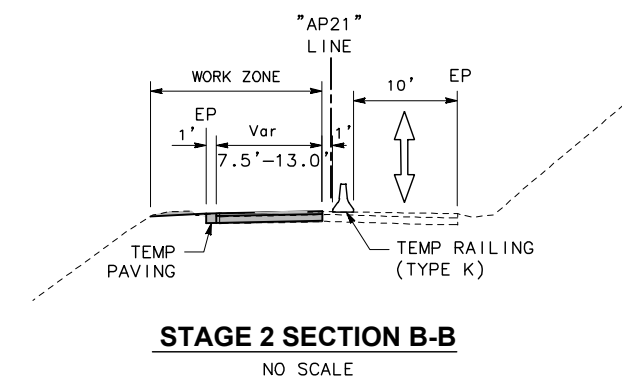
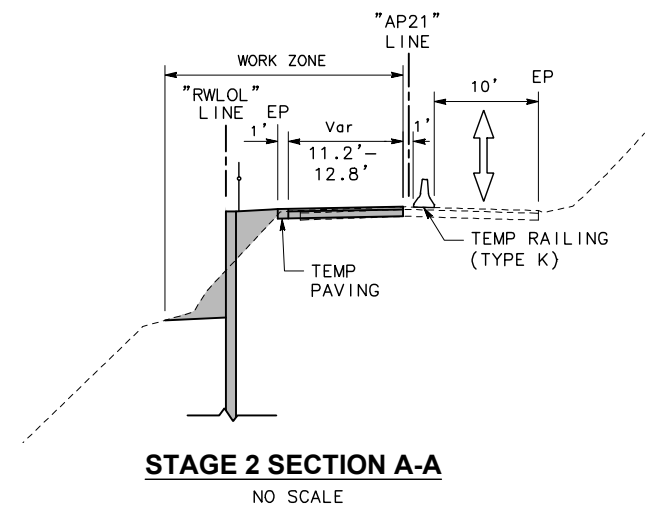
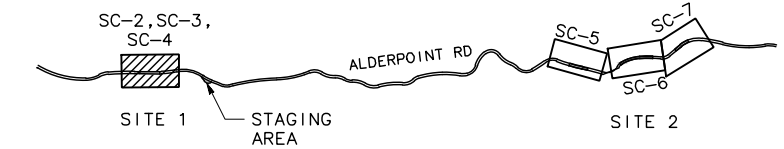


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
STAGE CONSTRUCTION -
STAGE 2, PM 21.8

SHEET
32
OF
45



SC-3

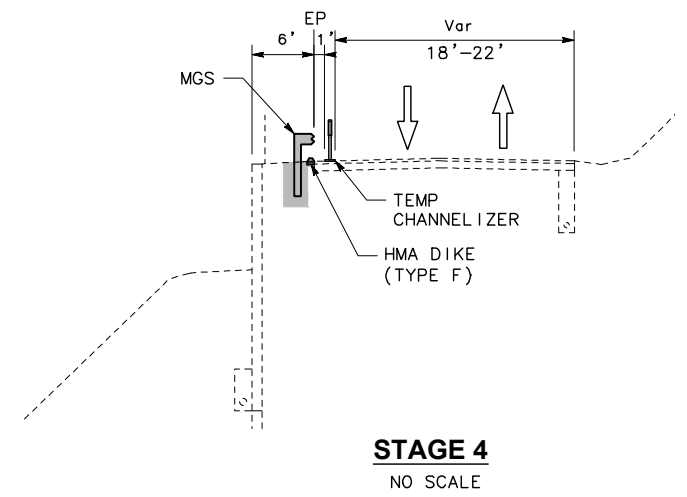
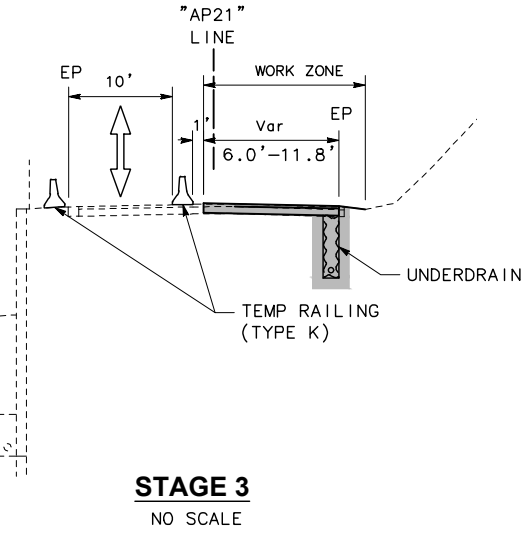
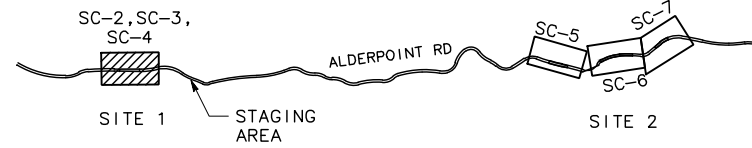


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

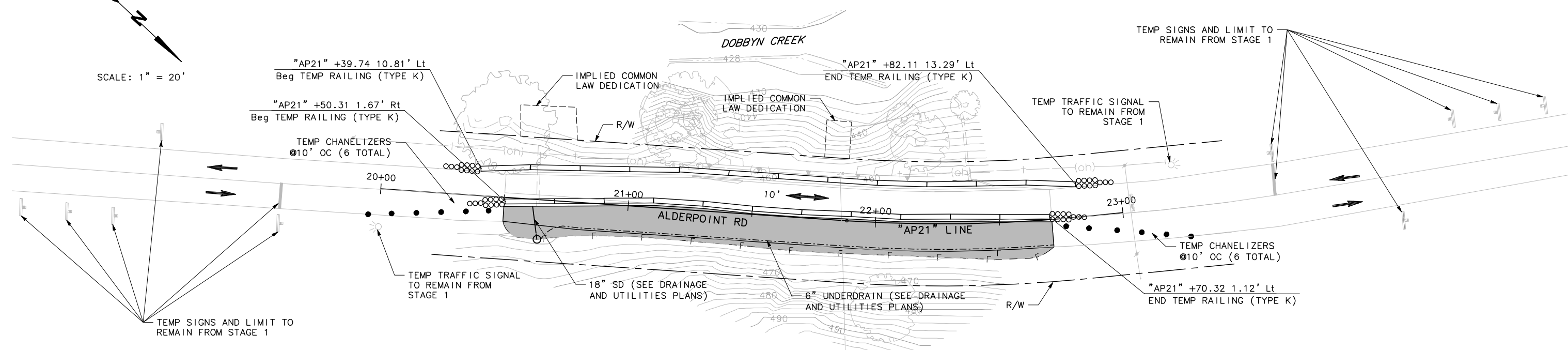
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
STAGE CONSTRUCTION -
STAGE 3 & 4, PM 21.8

SHEET
33
OF
45



SCALE: 1" = 20'



STAGE 3 TRAFFIC CONTROL
PM 21.8

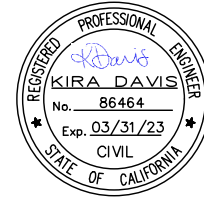
SC-4

CONSTRUCTION SITE 2:

- STAGE 1: CONSTRUCT 10' TEMPORARY LANE.
- STAGE 2: EXCAVATE TO PLACE PERMEABLE DRAIN MATERIAL AND WRAP IN FILTER FABRIC. FILL WITH COMPACTED SOIL. CONSTRUCT PAVEMENT SECTION.
- STAGE 3: EXCAVATE AND PLACE UNDERDRAIN.

TRAFFIC CONTROL SITE 2:

1. MAINTAIN EXISTING TRAFFIC CONDITIONS ON ALDERPOINT ROAD FOR STAGES 1 AND 3.
2. FOR STAGE 2, MAINTAIN ONE-LANE TRAFFIC CONTROL WITH TEMPORARY SIGNAL. (SEE LAYOUT SC-3, SC-4, AND SC-5)

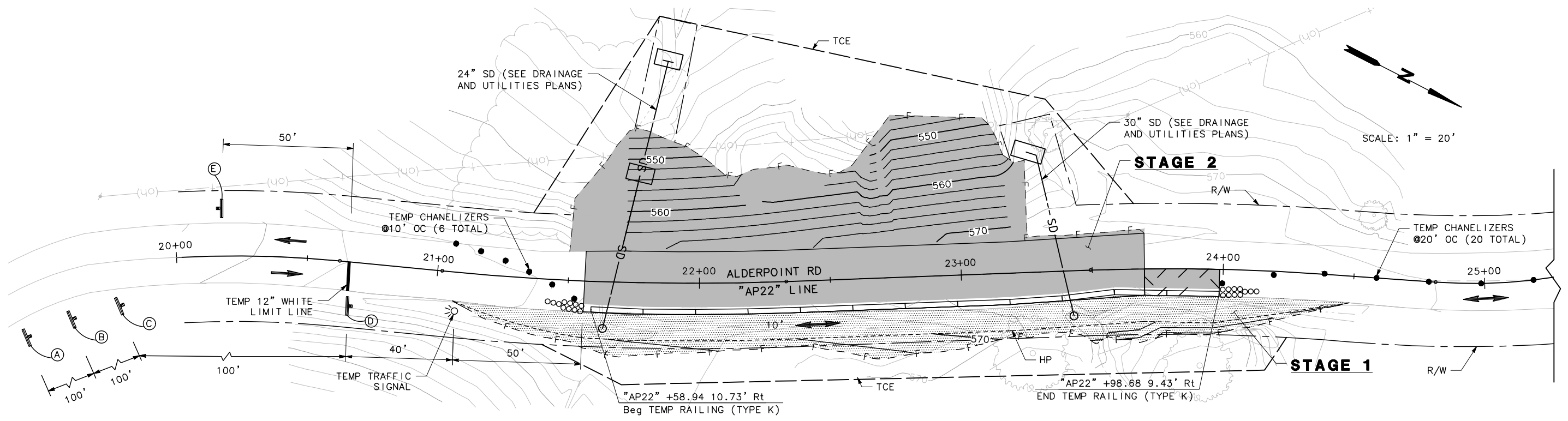
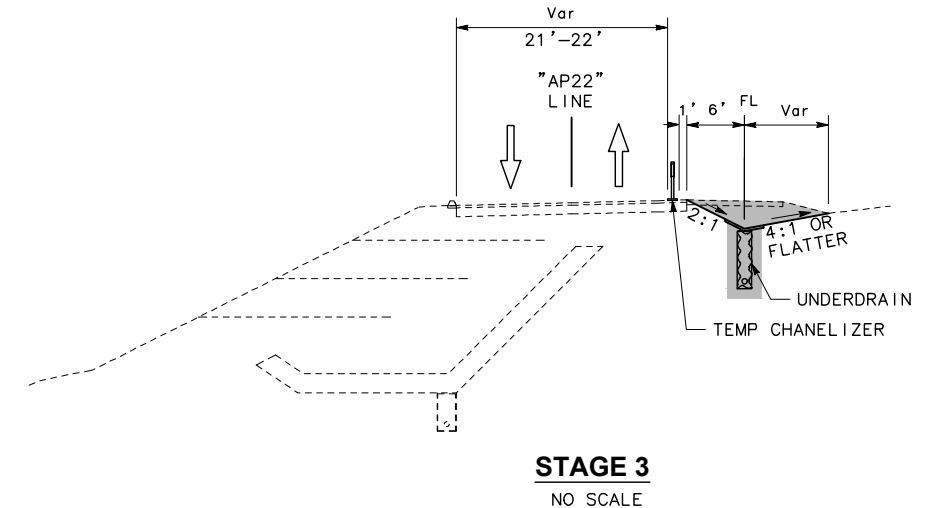
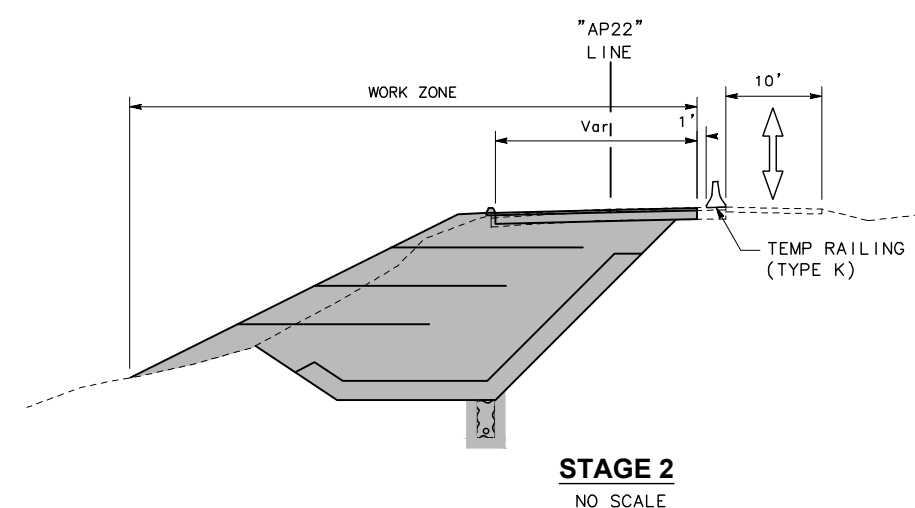
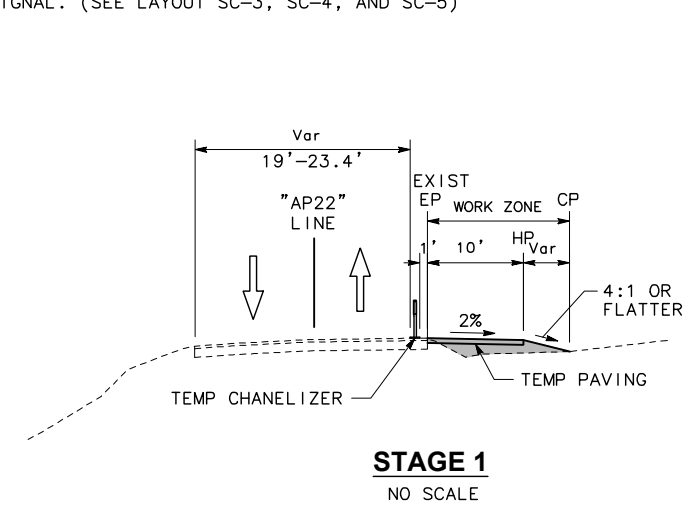
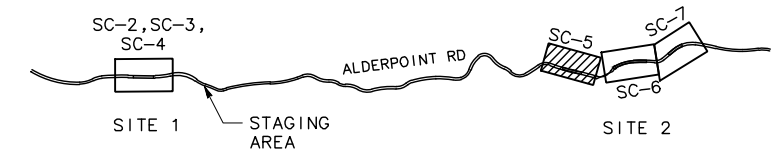


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L0(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

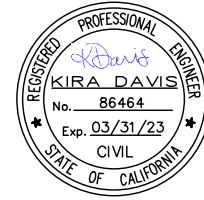
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
STAGE CONSTRUCTION - PM 22.8

SHEET **34**
OF
45



SC-5

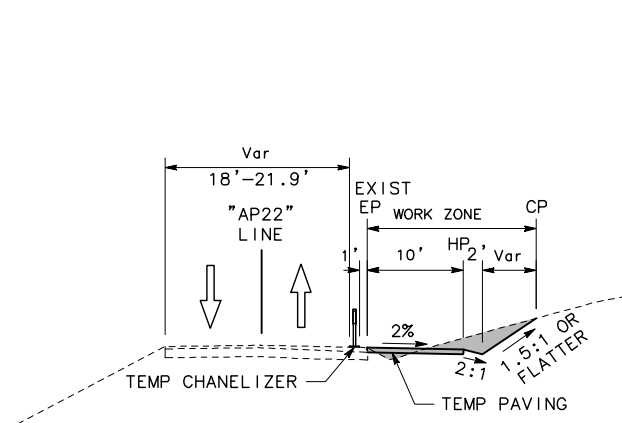
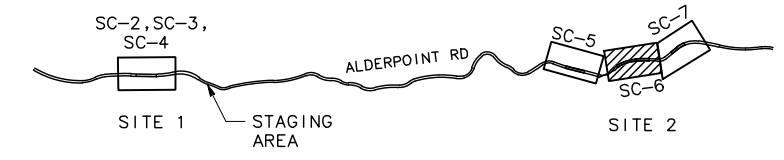


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217288	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

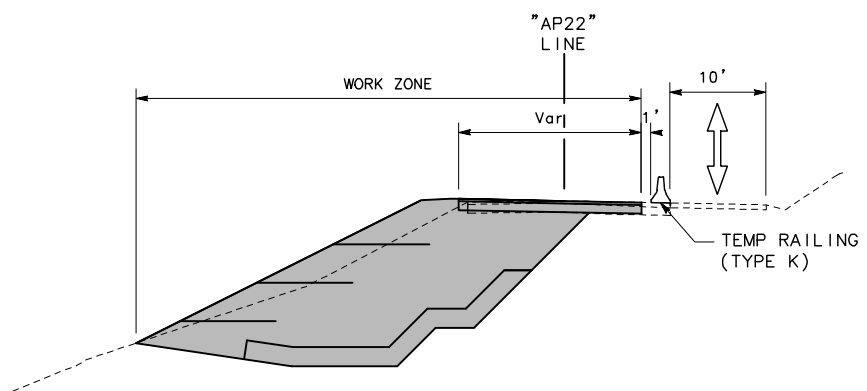
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
STAGE CONSTRUCTION - PM 23.0

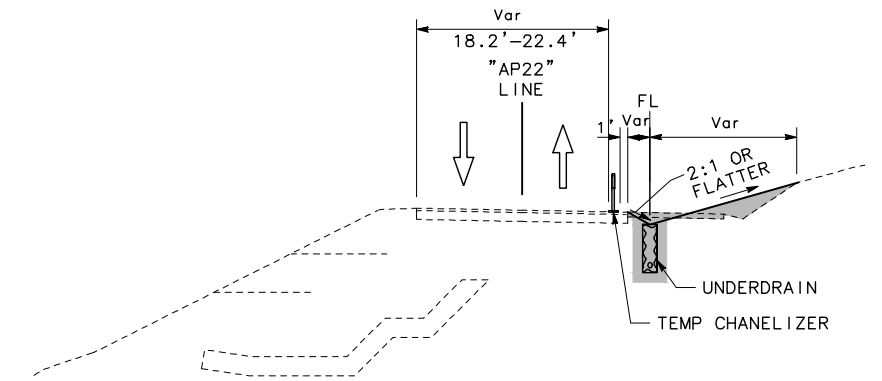
SHEET **35**
 OF
45



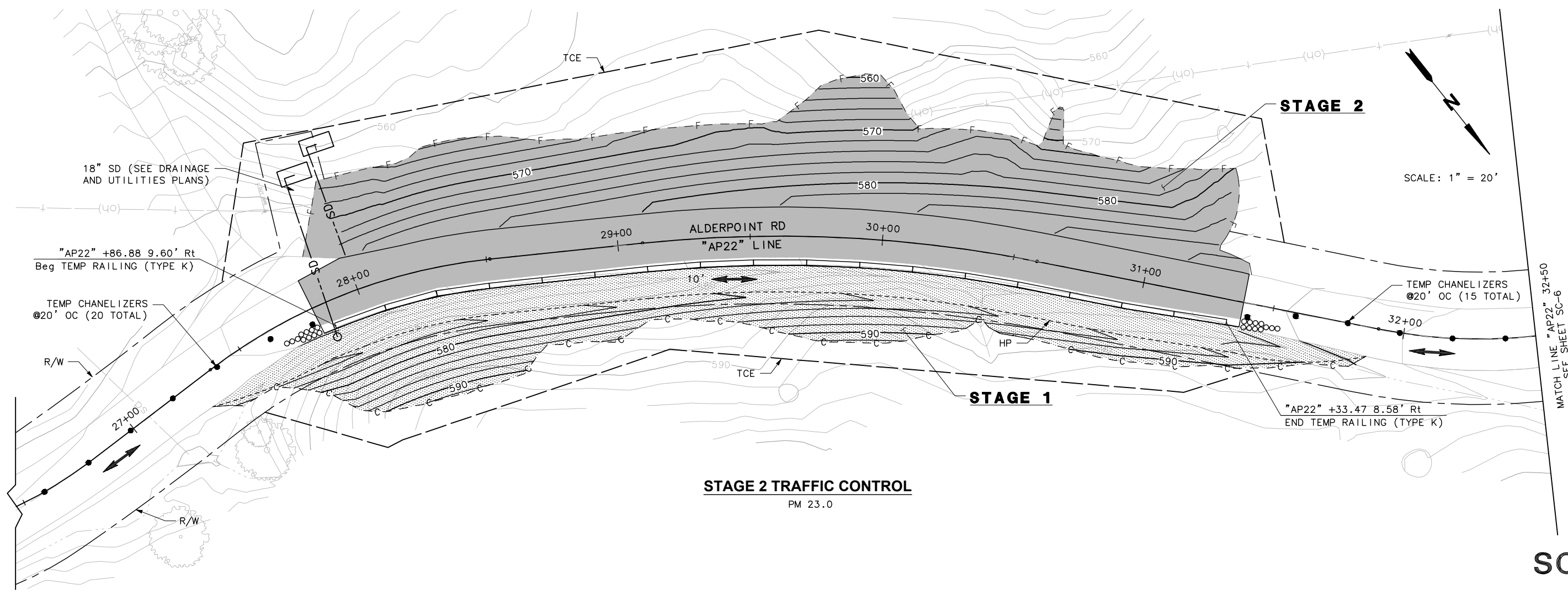
STAGE 1
NO SCALE



STAGE 2
NO SCALE



STAGE 3
NO SCALE



STAGE 2 TRAFFIC CONTROL
PM 23.0

SC-6

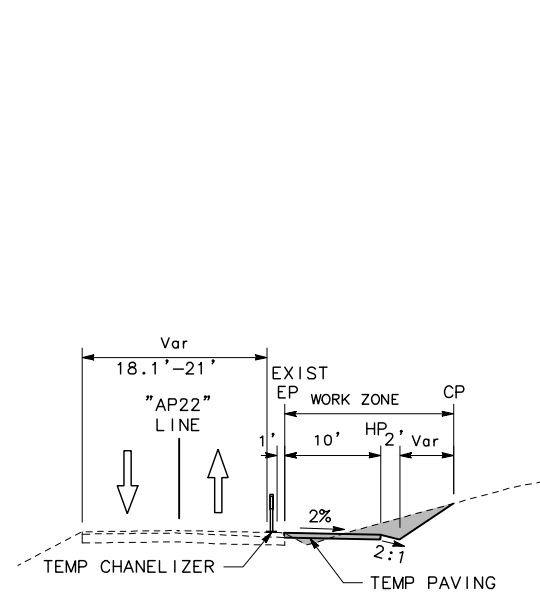


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.: ER-32L(329)	BRIDGE NO: N/A
CONTRACT NO.: 217268	DRAWING FILE NAME:
PLOT DATE: MARCH 2021	REVISION DATE:

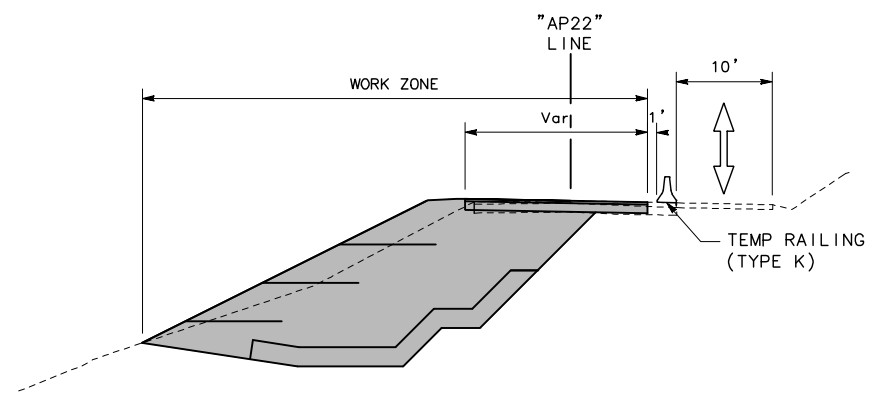
MARK THOMAS
DESIGNED BY: CM
DRAWN BY: CM
REVIEWED BY: KD
APPROVED BY:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
STAGE CONSTRUCTION - PM 23.05

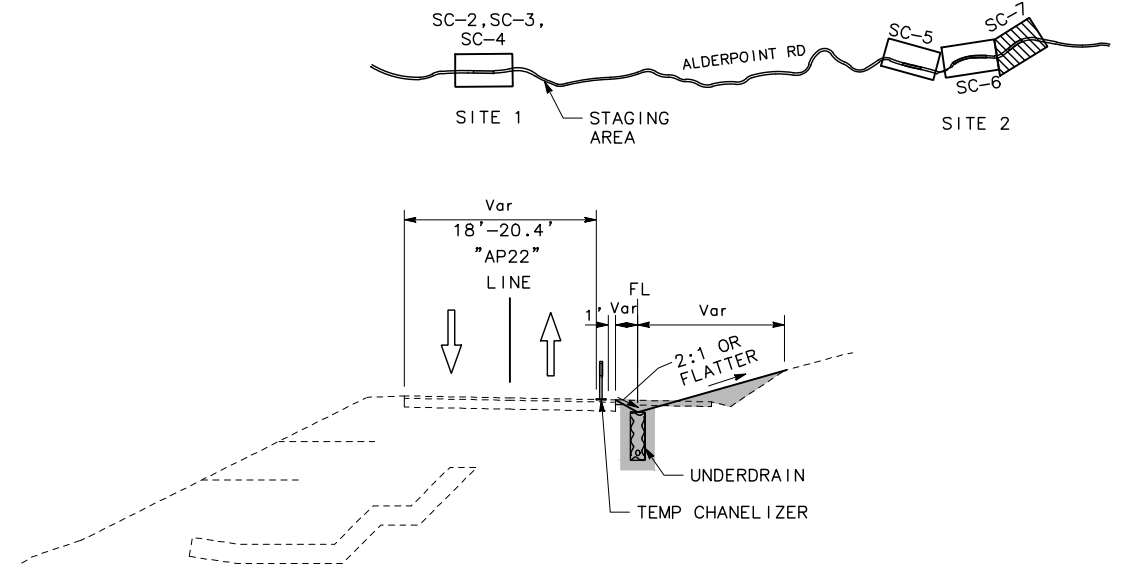
SHEET **36**
OF
45



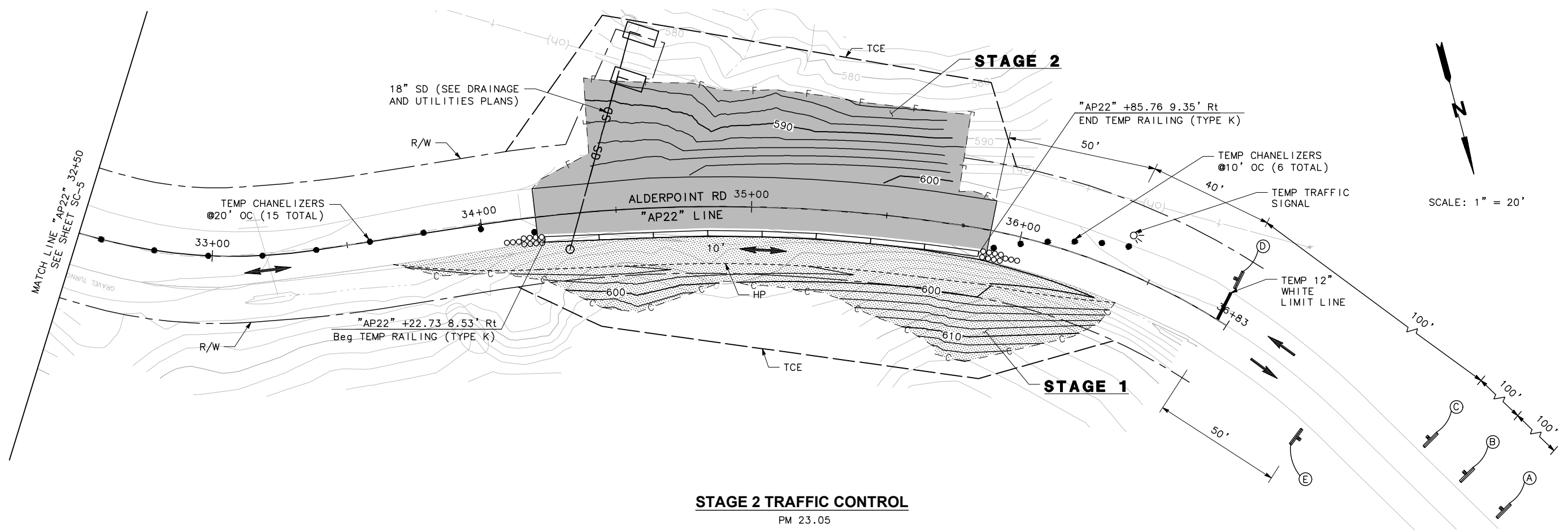
STAGE 1
NO SCALE



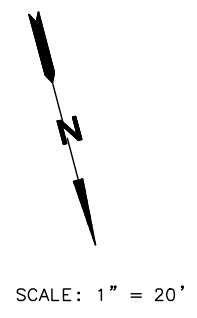
STAGE 2
NO SCALE



STAGE 3
NO SCALE



STAGE 2 TRAFFIC CONTROL
PM 23.05



SC-7

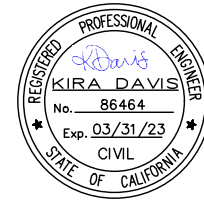
NOTE:

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

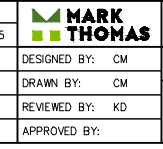
LEGEND:

- ◊ No. PAVEMENT DELINEATION DETAIL
- ← OBJECT MARKER
- ┆ MARKER BEG/END OF TRAFFIC STRIPE DETAIL

STRIPING PM 22.8-23.05			
POST MILE	PAVEMENT DELINEATION DETAIL	STATION	NOTES
22.8	1	"AP22" 21+56.23 TO "AP22" 23+69.93	ALONG CENTERLINE
23.0	1	"AP22" 27+81.33 TO "AP22" 31+38.50	ALONG CENTERLINE
23.05	1	"AP22" 34+20.12 TO "AP22" 35+88.76	ALONG CENTERLINE



ROAD NAME: ALDERPOINT ROAD		MILE POST: 21.8, 22.8, 23.0-23.05	
ROAD NO: F6B165	EA NO:	DESIGNED BY: CM	
PROJECT NO.: ER-32LO(329)	BRIDGE NO: N/A	DRAWN BY: CM	
CONTRACT NO.: 217288	DRAWING FILE NAME:	REVIEWED BY: KD	
PLOT DATE: MARCH 2021	REVISION DATE:	APPROVED BY:	



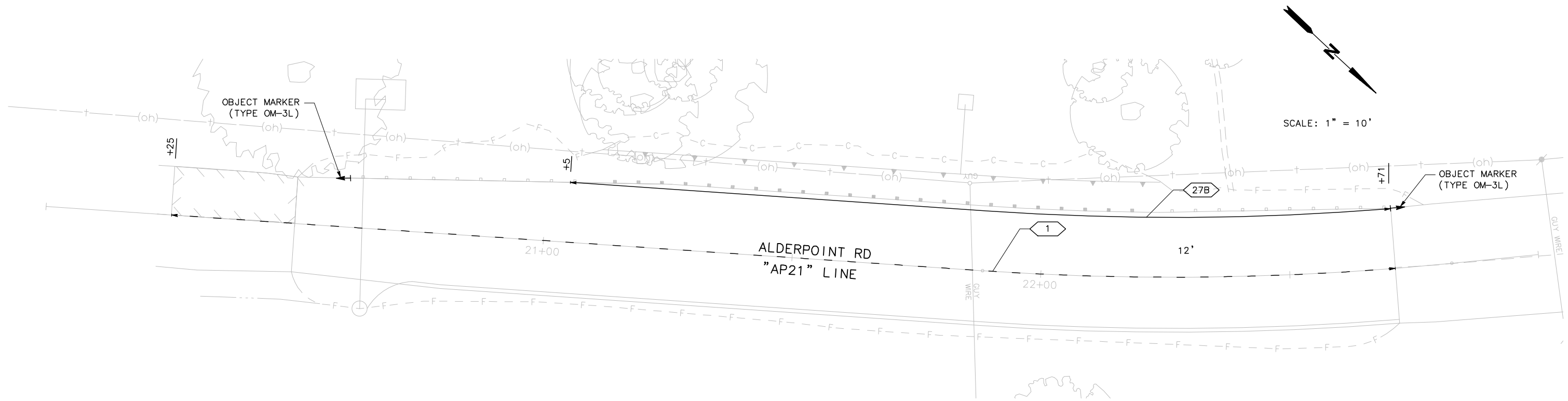
COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)

SHEET
37
OF
45



PROJECT FUNDING SIGN DETAIL

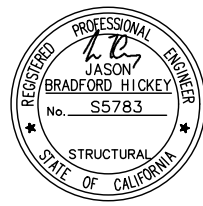
PROJECT FUNDING SIGN NOTE:
1. THE PROJECT FUNDING SIGN LOCATION TO BE DETERMINED BY THE ENGINEER.



STRIPING - PM 21.8

SS-1

THIS PLAN ACCURATE FOR SIGNING AND STRIPING ONLY

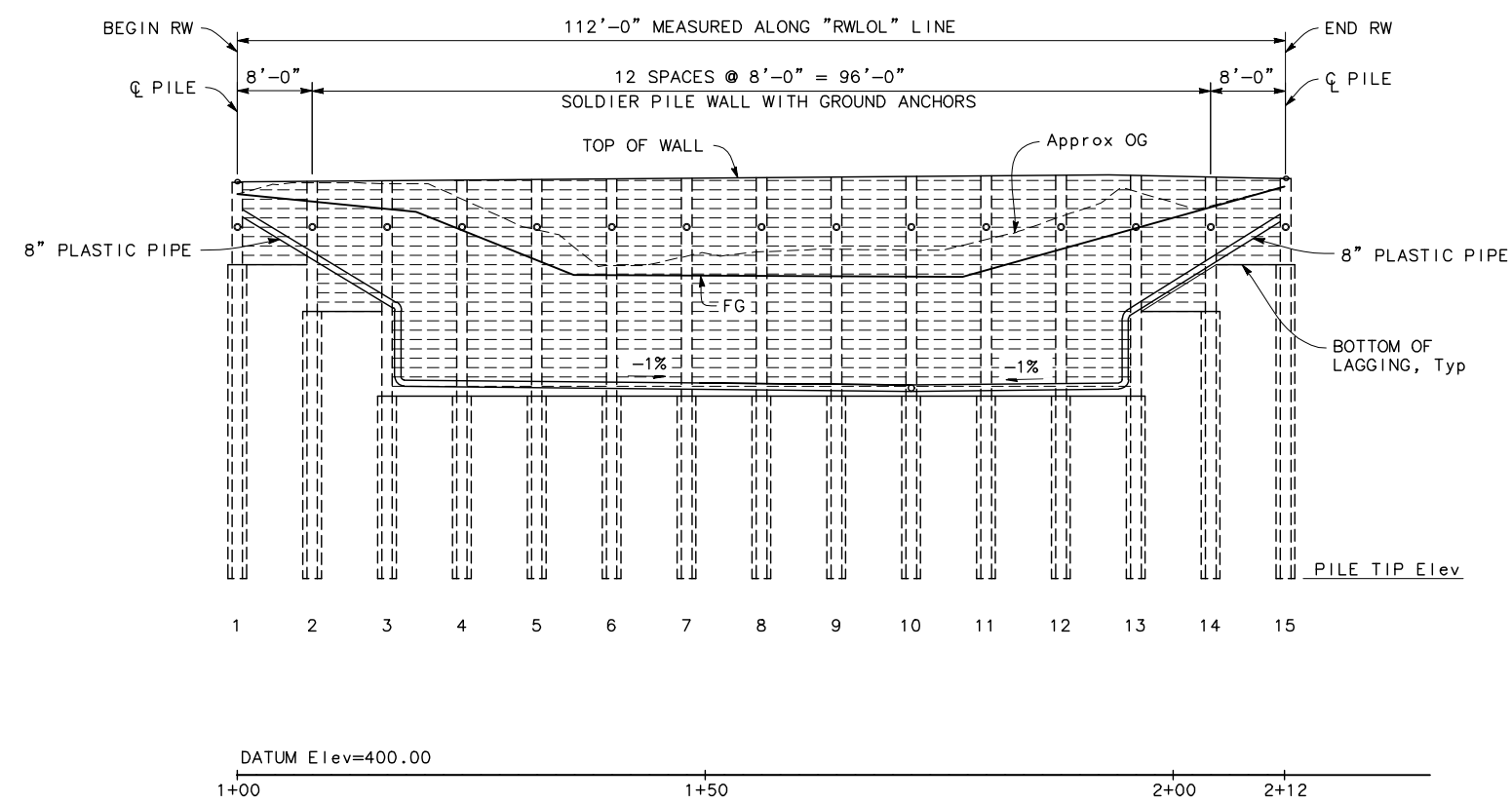


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO.:
PROJECT NO.:	BRIDGE NO: N/A
CONTRACT NO.:	DRAWING FILE NAME: 10_AP21.8_GP.dwg
PLOT DATE: 3/10/2021	REVISION DATE:

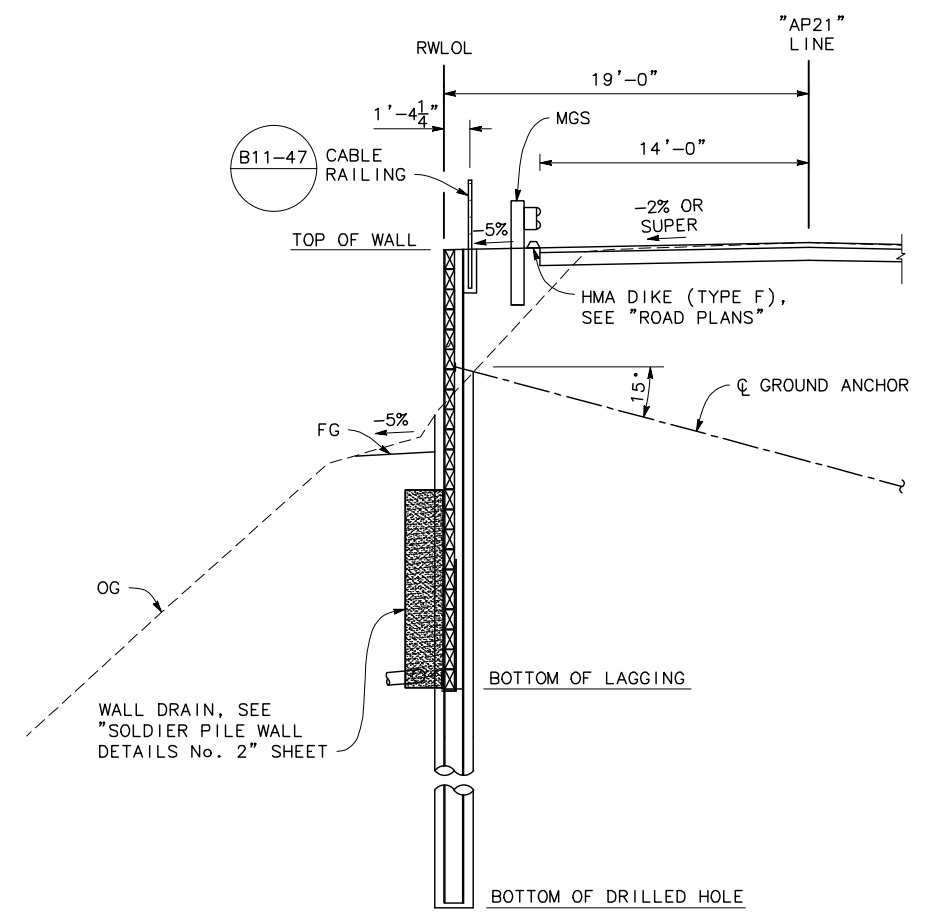
MARK THOMAS
DESIGNED BY: YR
DRAWN BY: JD
REVIEWED BY: JH
APPROVED BY: GH

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
GENERAL PLAN

SHEET 38 OF 45

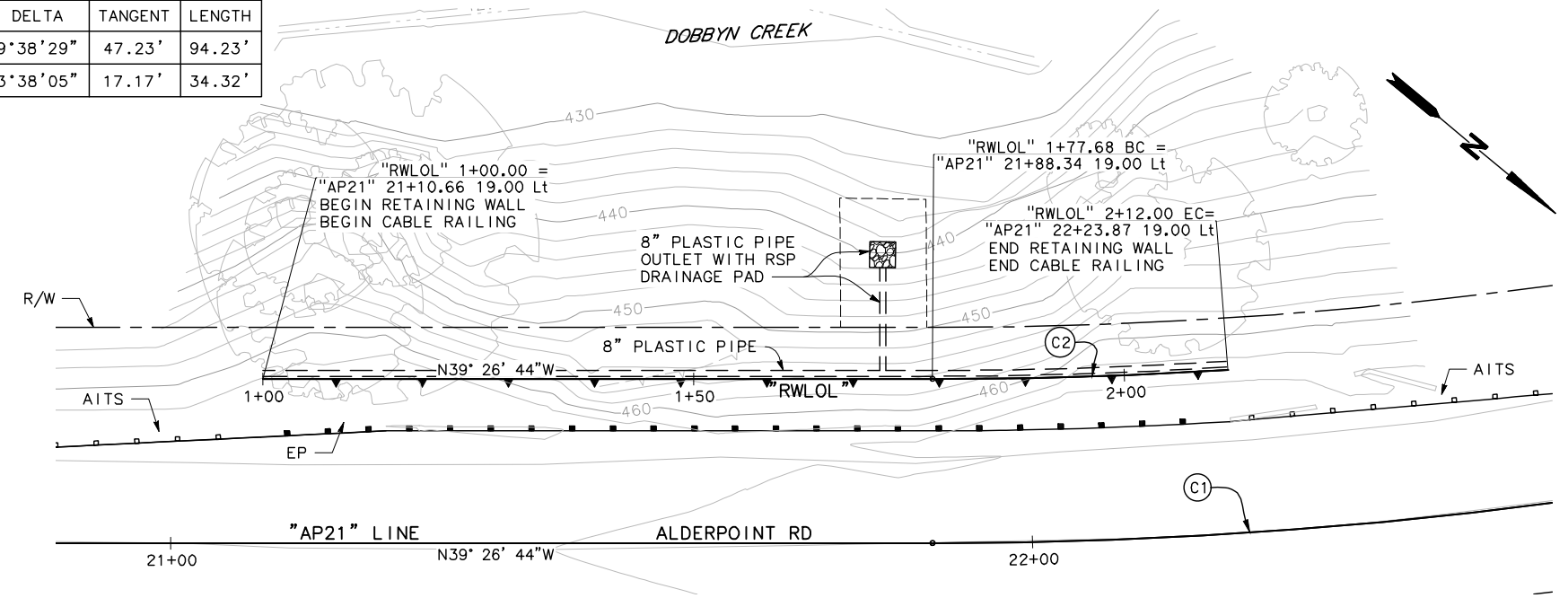


MIRRORED DEVELOPED ELEVATION
1"=10'



TYPICAL SECTION
1"=5'

ALIGNMENT CURVE TABLE				
CURVE	RADIUS	DELTA	TANGENT	LENGTH
C1	560.00'	9°38'29"	47.23'	94.23'
C2	541.00'	3°38'05"	17.17'	34.32'



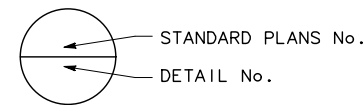
PLAN
1"=10'

INDEX TO PLANS

SHEET NO.	TITLE
38	GENERAL PLAN
39	INDEX TO PLANS
40	FOUNDATION PLAN
41	TYPICAL SECTION
42	SOLDIER PILE WALL LAGGING DETAILS
43	SOLDIER PILE WALL DETAILS NO. 1
44	SOLDIER PILE WALL DETAILS NO. 2
45	SUB HORIZONTAL GROUND ANCHOR DETAILS

STANDARD PLANS DATED 2018

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



QUANTITIES

STRUCTURE EXCAVATION (SOLDIER PILE WALL)	162 CY
STRUCTURE BACKFILL (SOLDIER PILE WALL)	37 CY
CONCRETE BACKFILL (SOLDIER PILE WALL)	40 CY
LEAN CONCRETE BACKFILL	28 CY
GROUND ANCHOR (SUBHORIZONTAL)	15 EA
STEEL SOLDIER PILE (W 12 X 65)	642 LF
24" DRILLED HOLE	578 LF
TIMBER LAGGING	14 MFBM
CLEAN AND PAINT STEEL SOLDIER PILING	1 LS
8" PERFORATED PLASTIC PIPE UNDERDRAIN	112 LF
CLASS 1 PERMEABLE MATERIAL	94 CY
CABLE RAILING	112 LF



ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO.:	BRIDGE NO: N/A
CONTRACT NO.:	DRAWING FILE NAME: 11 AP21.8_IP.dwg
PLOT DATE: 3/10/2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: MM
DRAWN BY: GB
REVIEWED BY: JH
APPROVED BY: GH

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
INDEX TO PLAN

SHEET
39
OF
45

GENERAL NOTES

- DESIGN: AASHTO LRFD Bridge Design Specifications, 6th Edition with California Amendments.
- LIVE LOAD: 0.3 x (design surcharge pressure) or 0.3 x (minimum surcharge pressure of 240 psf)
- SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)
Backfill soil weight = 125 lb/ft^3
Friction Angle = 34°
Active Pressure coefficient, $K_a = 0.33$
- SEISMIC PARAMETERS: Active (seismic) pressure coefficient. $k_e = 0.8H$
- STEEL SOLDIER PILES: ASTM A572/A, ASTM 572M Grade 50 Min, or ASTM A992
- STRUCTURAL TIMBER: Treated Douglas Fir, Structural Grade
Timber to be full sawn.
- PRESTRESSING STEEL (GROUND ANCHORS):

FDL = Factored Design Load on ground anchor (kips)
FTL = Factored Test Load (kips)
LL = Lock-Off Load (kips)

fpu = Minimum ultimate tensile strength of ground anchor steel

As (Min) = Minimum cross sectional area of steel in ground anchor. (sq. in)

Steel = ASTM designation: A416 (HS Strands)

$$As (\text{Min}) = \frac{1.0 \text{ FTL}}{0.75 \text{ fpu}}$$

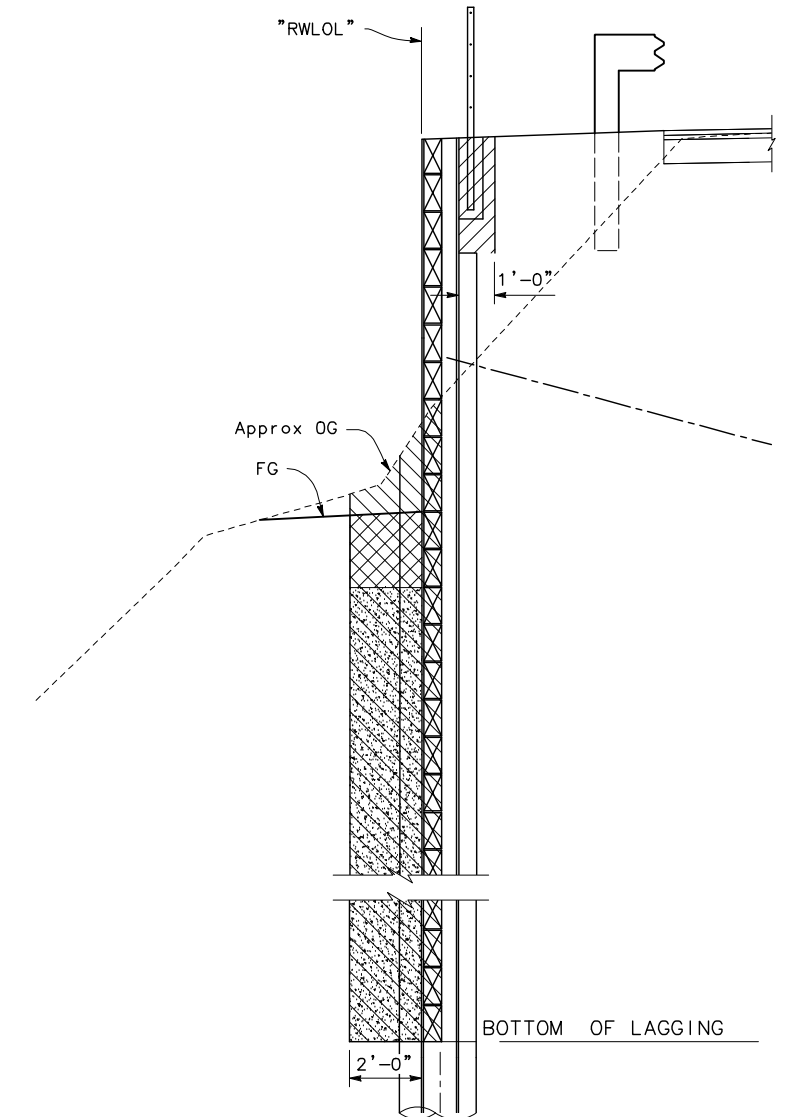
Steel = ASTM designation: A722 (HS Bars)

$$As (\text{Min}) = \frac{1.0 \text{ FTL}}{0.80 \text{ fpu}}$$

FDL = 160 kips

FTL = 160 kips

LL = 88 kips

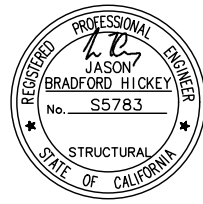


STRUCTURE BACKFILL AND EXCAVATION

NO SCALE

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

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

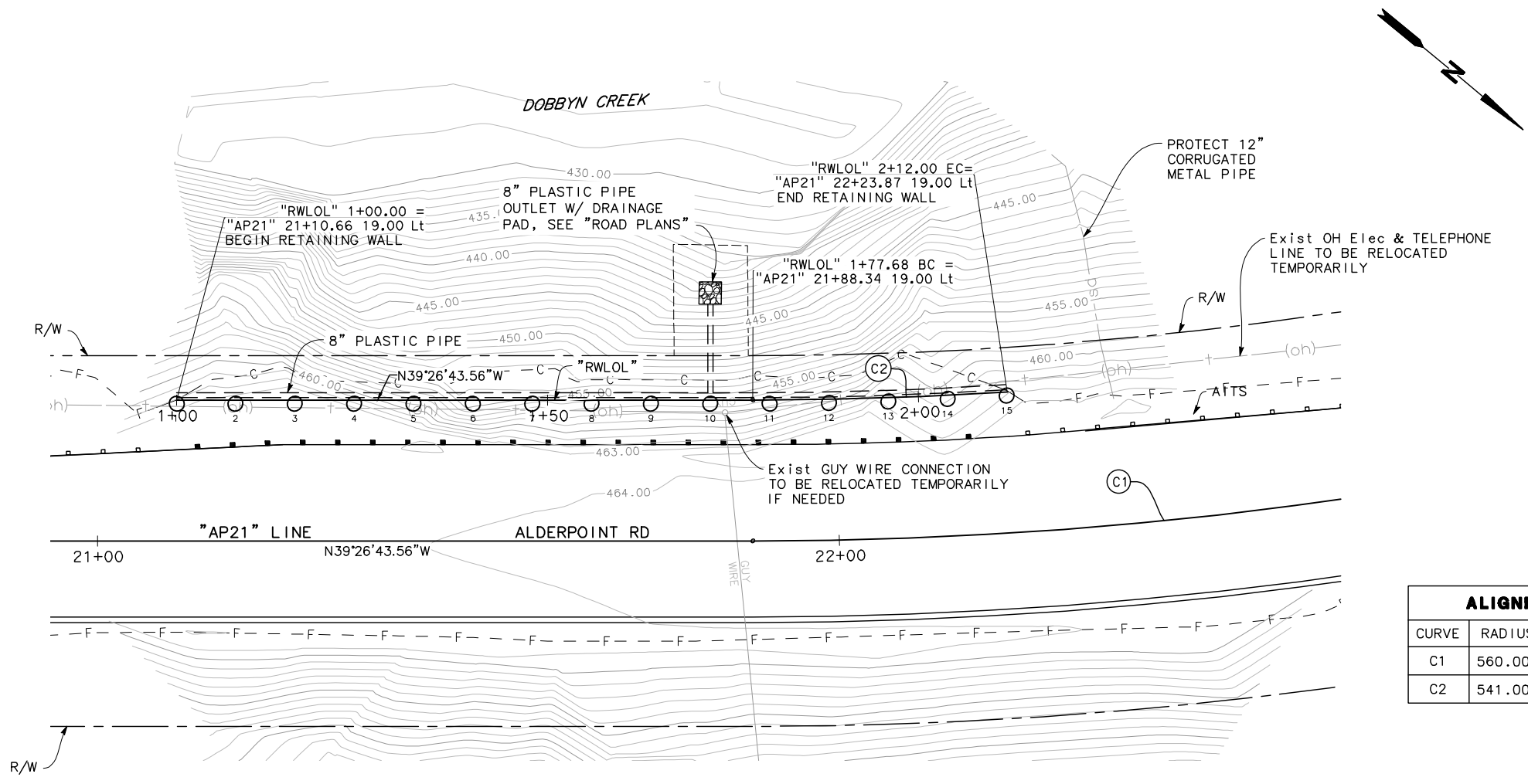


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO:	BRIDGE NO: N/A
CONTRACT NO:	DRAWING FILE NAME: 12_AP21.8_FP.dwg
PLOT DATE: 3/10/2021	REVISION DATE:

MARK THOMAS
DESIGNED BY: YR
DRAWN BY: JD
REVIEWED BY: JH
APPROVED BY: GH

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
FOUNDATION PLAN

SHEET
40
OF
45



CURVE	RADIUS	DELTA	TANGENT	LENGTH
C1	560.00'	9°38'29"	47.23'	94.23'
C2	541.00'	3°38'05"	17.17'	34.32'

PLAN
1"=10'

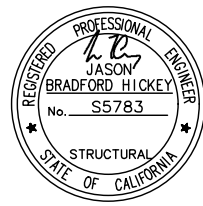
LEGEND

- Indicates 24 inch diameter drilled hole
- - - F - - - Indicates Slope Fill Line, see "ROAD PLANS"
- - - C - - - Indicates Slope Cut Line, see "ROAD PLANS"

BENCHMARK

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 51 was held for horizontal positions shown hereon. The mapping angle is 1 degree 10 minutes 9"; 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 0.99985760 to obtain ground distances. Mapping angle and grid scale factor are taken at control point number 51, a 12 inch spike. Elevations are NAVD 88 datum based on OPUS solution utilizing the GEOID 12B model: an elevation of 1240.84 feet was measured at the aforementioned Control Point 51.

- NOTES:
- For Storm Drain Pipe details, see "ROADWAY PLANS"

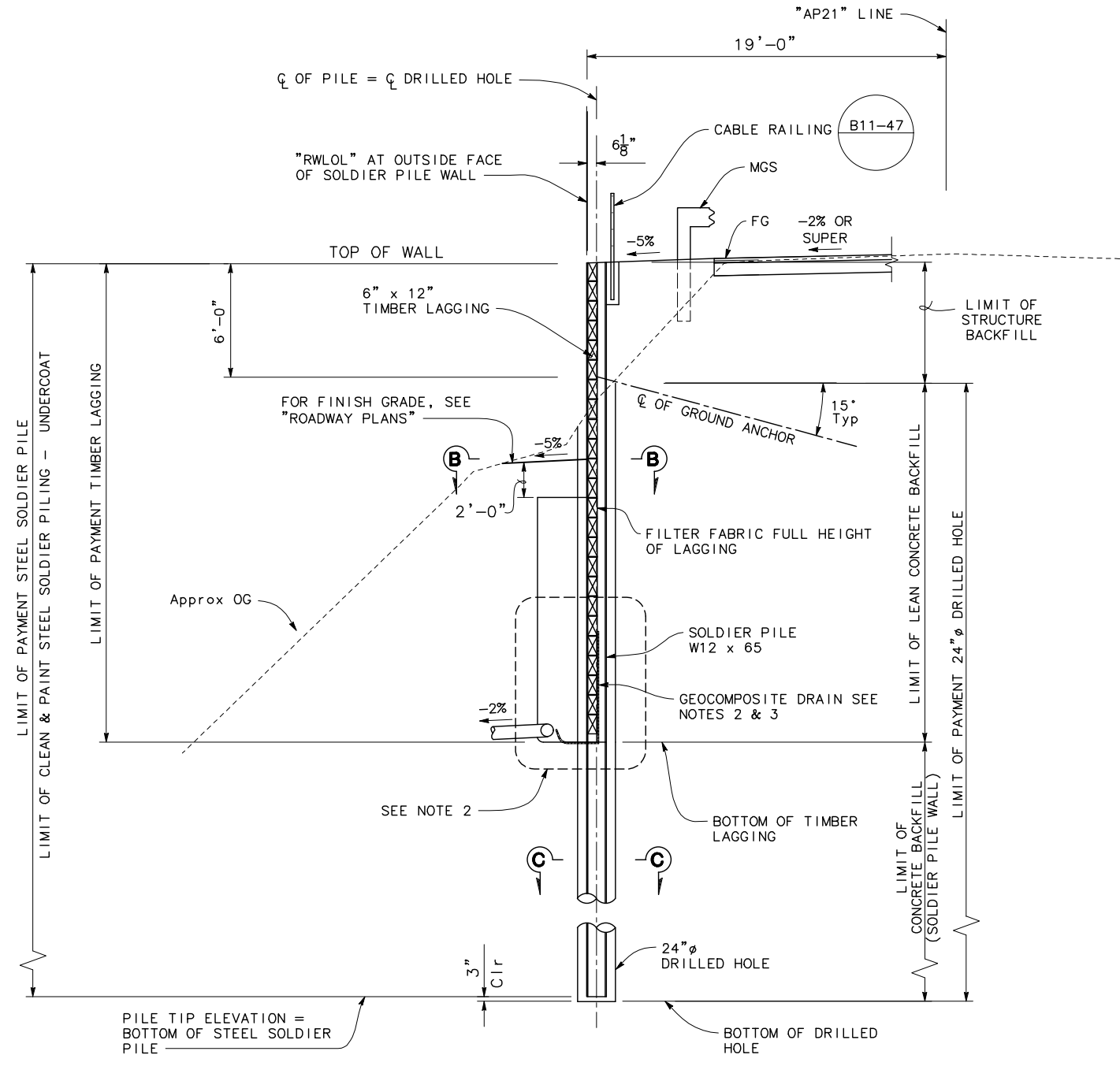


ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05
ROAD NO: F6B165	EA NO:
PROJECT NO:	BRIDGE NO: N/A
CONTRACT NO:	DRAWING FILE NAME: 13 AP21.8_TS.dwg
PLOT DATE: 3/10/2021	REVISION DATE:

MARK THOMAS
 DESIGNED BY: MM
 DRAWN BY: GB
 REVIEWED BY: JH
 APPROVED BY: GH

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)
TYPICAL SECTION

SHEET
41
 OF
45

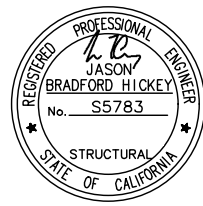


PILE NUMBER	"RWLOL" LINE STATION	TOP OF WALL ELEVATION	BOTTOM OF LAGGING ELEVATION	PILE TIP ELEVATION	GROUND ANCHORS
		(ft)	(ft)		UNBONDED LENGTH
1	1+00.00	463.37	454.54	421.0	27
2	1+08.00	463.43	449.54	421.0	27
3	1+16.00	463.50	440.5	421.0	27
4	1+24.00	463.57	440.5	421.0	27
5	1+32.00	463.63	440.5	421.0	27
6	1+40.00	463.70	440.5	421.0	27
7	1+48.00	463.77	440.5	421.0	27
8	1+56.00	463.83	440.5	421.0	27
9	1+64.00	463.90	440.5	421.0	27
10	1+72.00	463.97	440.5	421.0	27
11	1+80.00	464.03	440.5	421.0	27
12	1+88.00	464.10	440.5	421.0	27
13	1+96.00	464.08	449.54	421.0	27
14	2+04.00	463.90	454.54	421.0	27
15	2+12.00	463.73	-	421.0	27

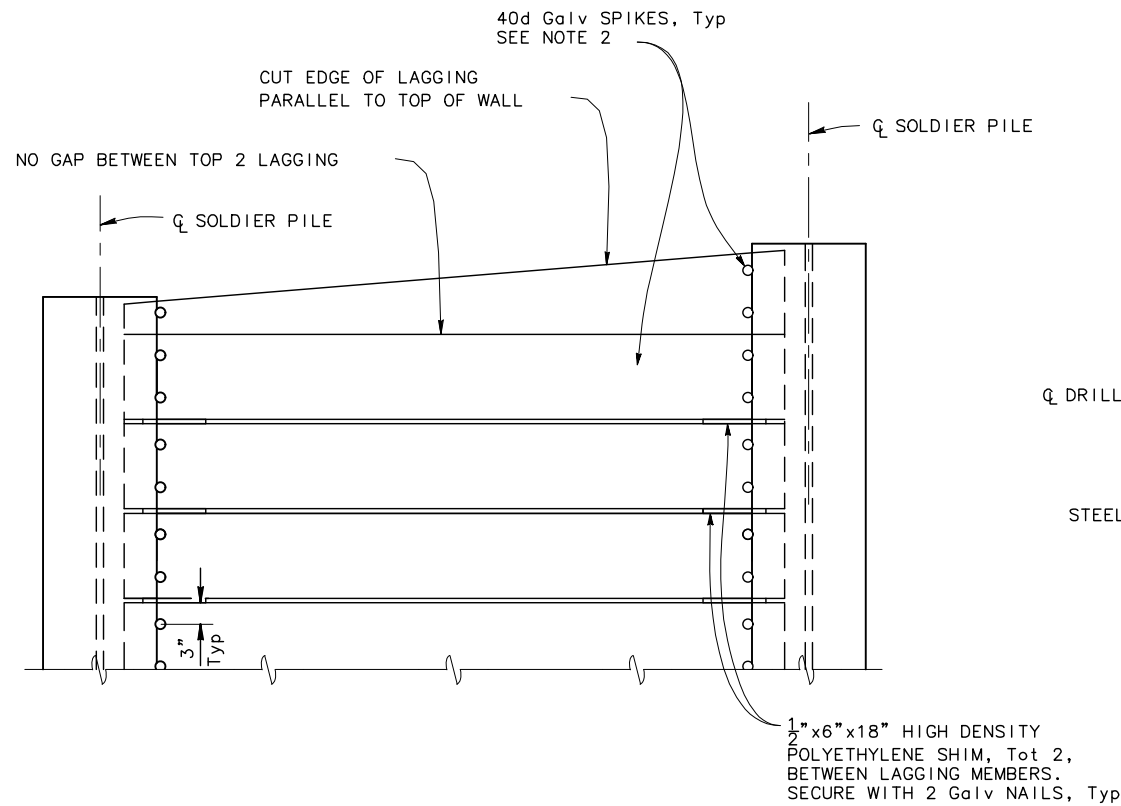
NOTE:
 Bottom of lagging indicates adjacent down station lagging elevation.

TYPICAL SECTION - GROUND ANCHOR WALL
 1/4" = 1'-0"

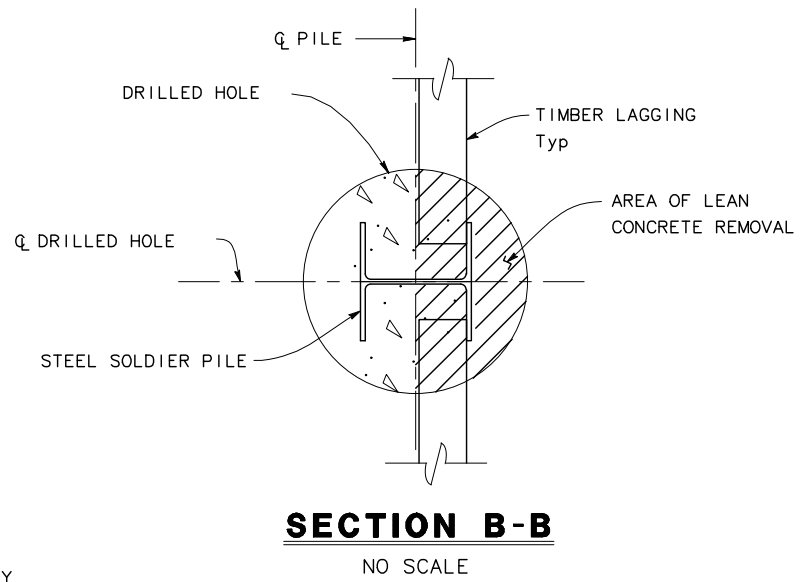
- NOTES:
- For "SECTION B-B" and "SECTION C-C", see "SOLDIER PILE WALL LAGGING DETAILS" sheet.
 - For "WALL DRAIN DETAIL", see "SOLDIER PILE WALL DETAILS No. 2" sheet.
 - Continue geocomposite drain under timber lagging into permeable material.
 - Clean and paint steel soldier pile from top of pile to 5 feet Min below bottom of lagging.



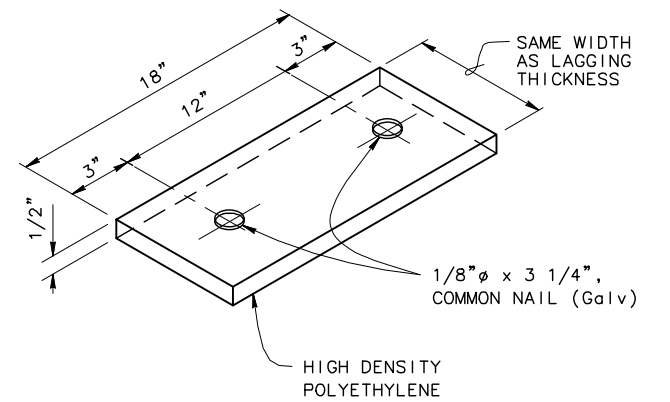
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05	MARK THOMAS DESIGNED BY: YR DRAWN BY: JD REVIEWED BY: JH APPROVED BY: GH	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05) SOLDIER PILE WALL LAGGING DETAILS	SHEET 42 OF 45
	PROJECT NO.:	EA NO.:			
	CONTRACT NO.:	BRIDGE NO: N/A			
	DRAWING FILE NAME: 14 AP21.8_WLD.dwg				
	PLOT DATE: 3/10/2021	REVISION DATE:			



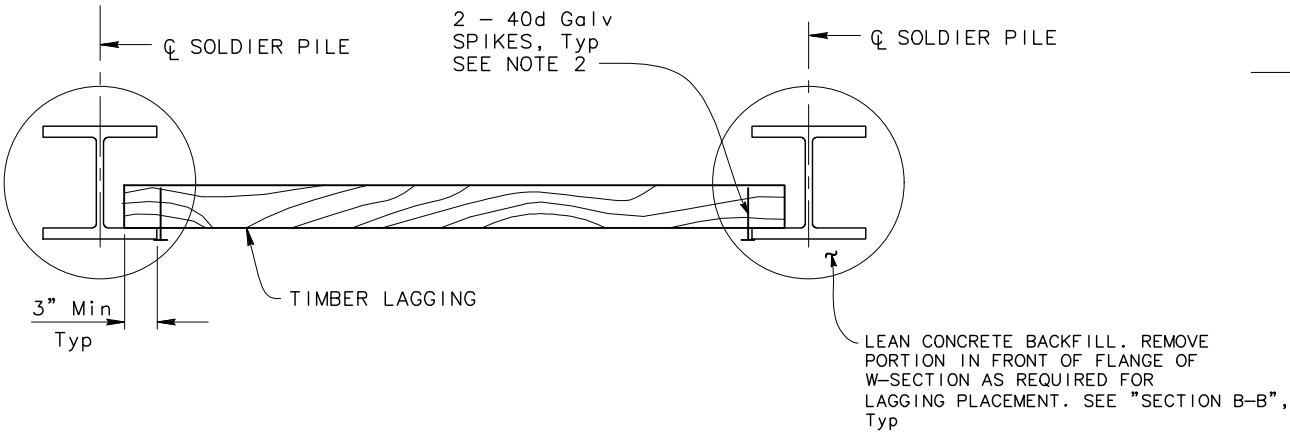
PART ELEVATION LAGGING DETAILS
NO SCALE



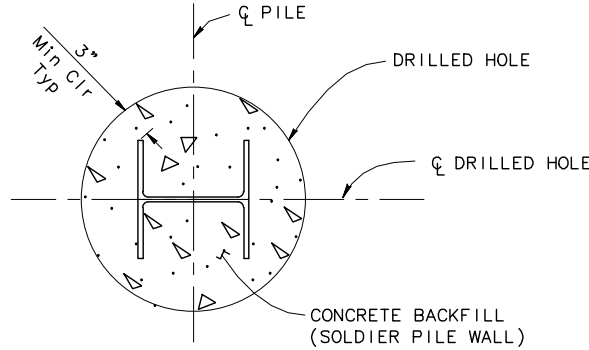
SECTION B-B
NO SCALE



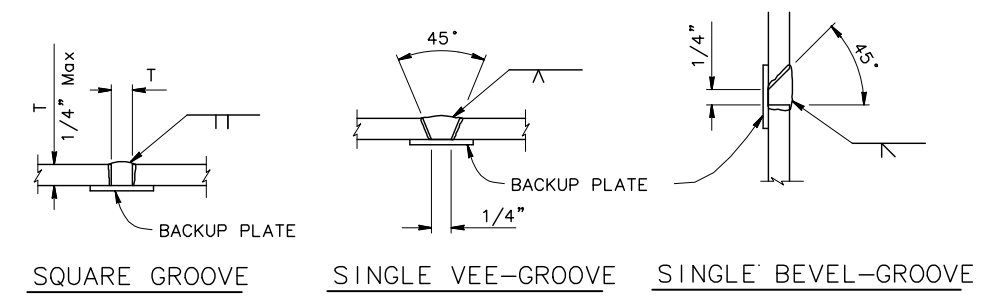
SHIM DETAIL
NO SCALE



PART PLAN OF TIMBER LAGGING MEMBER
NO SCALE

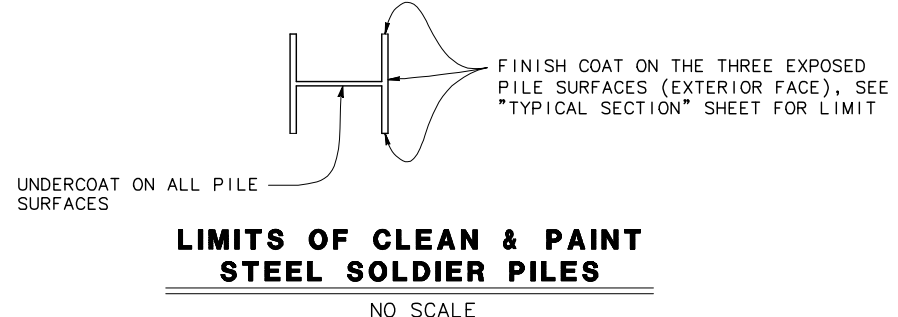


SECTION C-C
NO SCALE



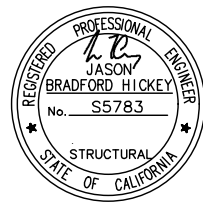
PILE WELDING DETAIL-BUTT JOINTS
NO SCALE

- NOTES:
1. No clipping of timber lagging corners allowed. Lagging corners may be chamfered to facilitate placement. Max 2 corner per lagging
 2. Use 40d Galv wire spikes for 6x12 lagging.
 3. Spikes shall not be bent.

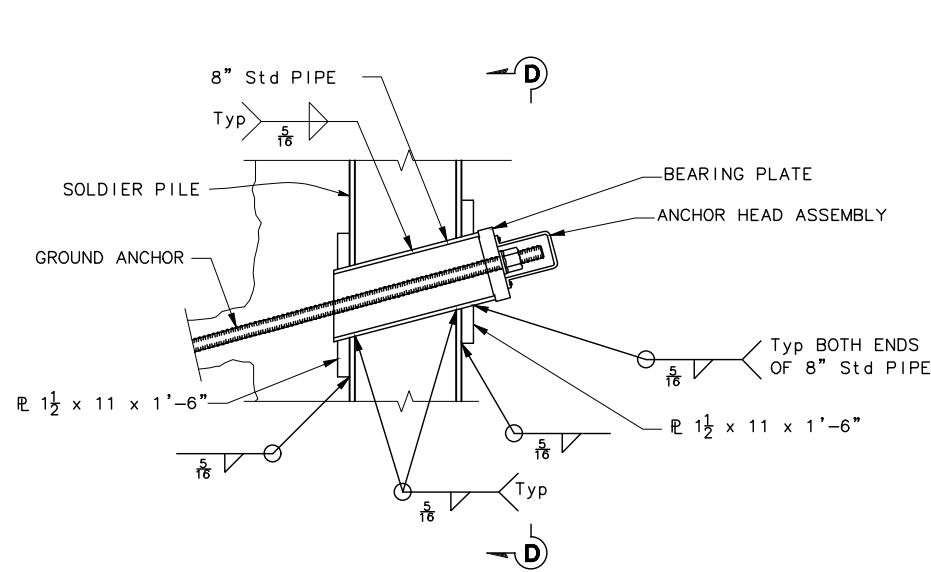


LIMITS OF CLEAN & PAINT STEEL SOLDIER PILES
NO SCALE

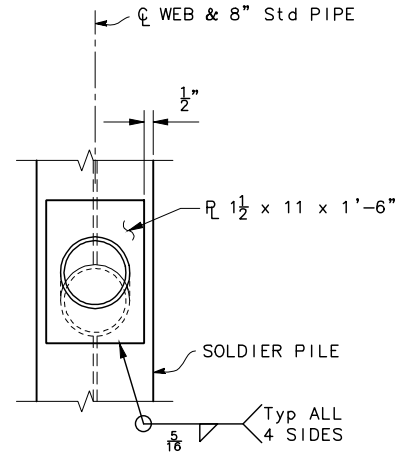
- NOTES:
1. Single vee-groove and square groove permitted for all positions.
 2. Single bevel-groove permitted for horizontal joints only.



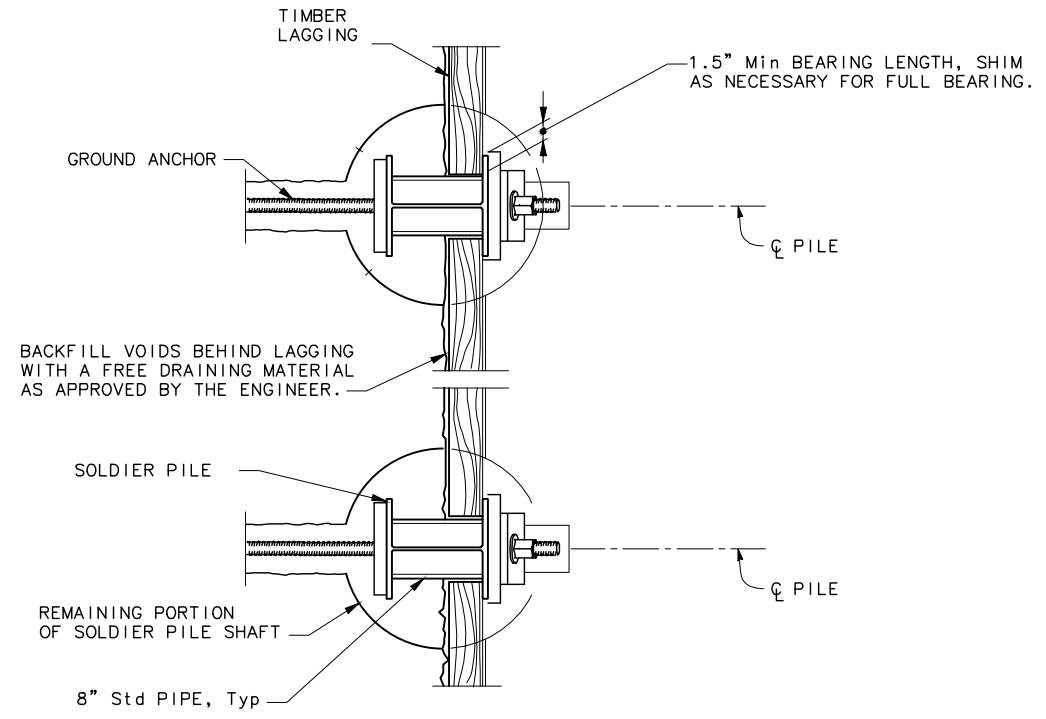
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD	MILE POST: 21.8, 22.8, 23.0-23.05	MARK THOMAS DESIGNED BY: YR DRAWN BY: JD REVIEWED BY: JH APPROVED BY: GH	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05) SOLDIER PILE WALL DETAILS NO. 1	SHEET 43 OF 45
	PROJECT NO.:	EA NO.:			
	CONTRACT NO.:	BRIDGE NO: N/A			
	DRAWING FILE NAME: 15 AP21.8_WD1.dwg				
	PLOT DATE: 3/10/2021	REVISION DATE:			



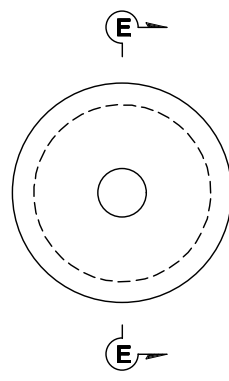
ELEVATION - SOLDIER PILE WITH SHGA THRU WEB
NO SCALE



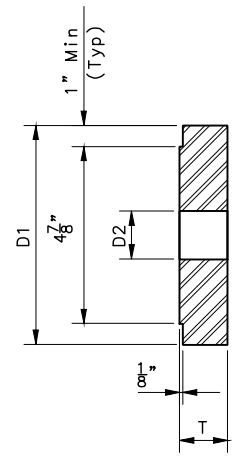
SECTION D-D
NO SCALE



PLAN - SOLDIER PILE WALL
NO SCALE

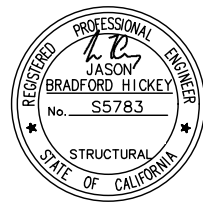


BEARING PLATE
NO SCALE



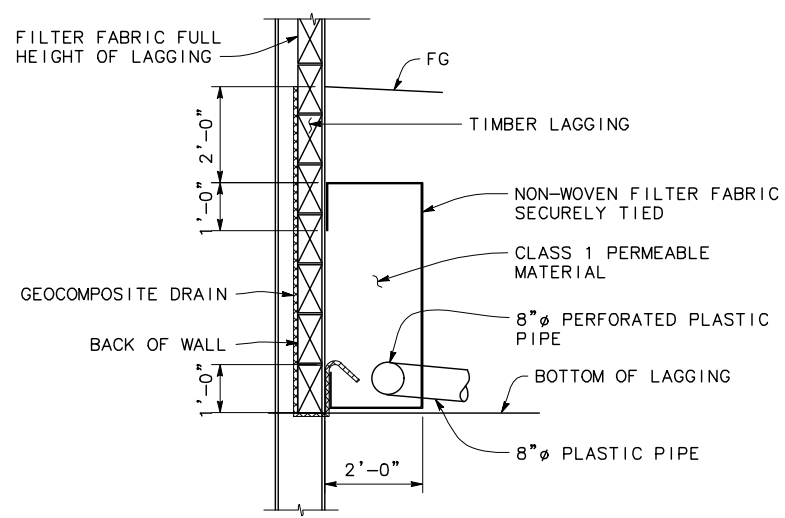
SECTION E-E
NO SCALE

BEARING PLATE SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH THE STANDARD SPECIFICATION SECTION 50-1.01C.

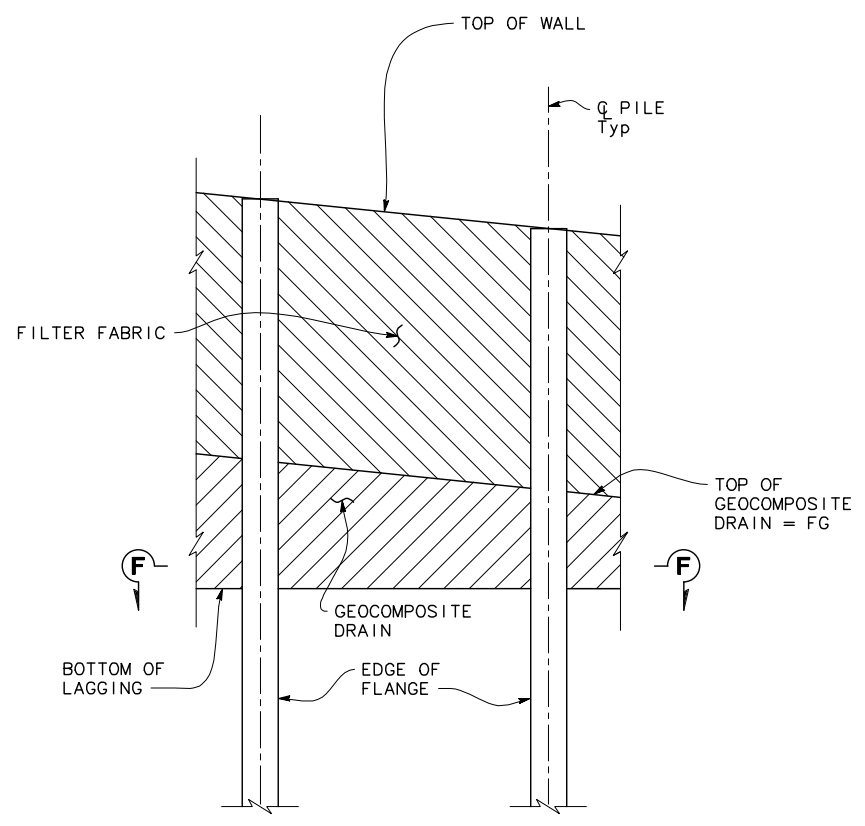


BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD	MARK THOMAS	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 44
	ROAD NO: F6B165	MILE POST: 21.8, 22.8, 23.0-23.05	DESIGNED BY: YR	OF 45
	PROJECT NO.:	EA NO.:	ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)	
	CONTRACT NO.:	BRIDGE NO: N/A	SOLDIER PILE WALL DETAILS NO. 2	
	DRAWING FILE NAME: 16 AP21.8_WD2.dwg	DRAWN BY: JD		
	PLOT DATE: 3/10/2021	REVISION DATE:		
		REVIEWED BY: JH		
		APPROVED BY: GH		

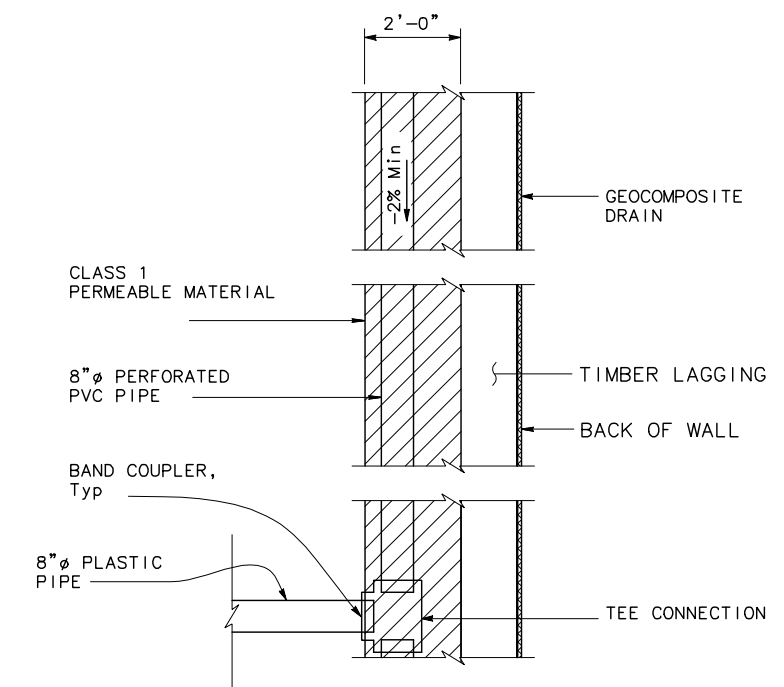
NOTE:
Geocomposite drain strip per Section 88 Geosynthetics of the Standard Specifications.



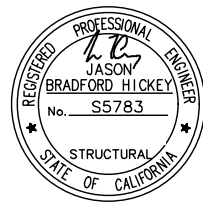
WALL DRAIN DETAIL
NO SCALE



PART ELEVATION DRAIN AT SOLDIER PILE WALL
NO SCALE



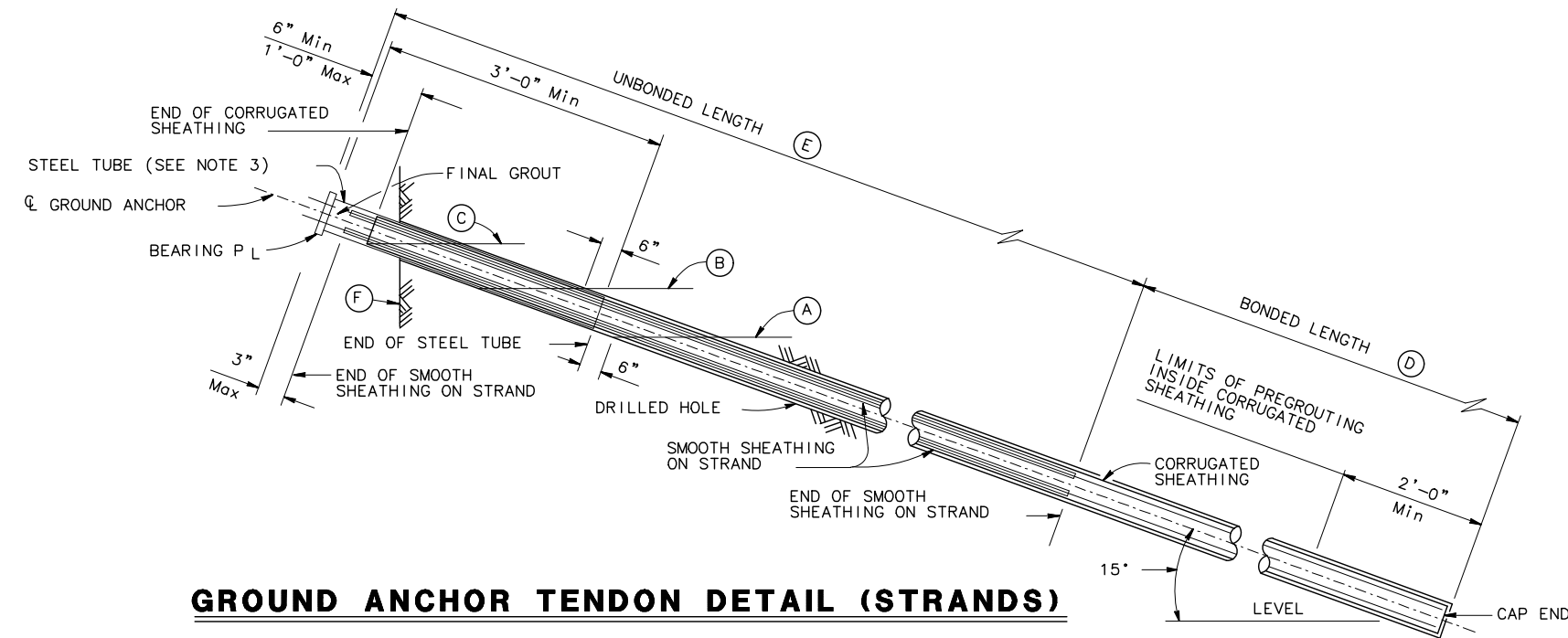
SECTION F-F
NO SCALE



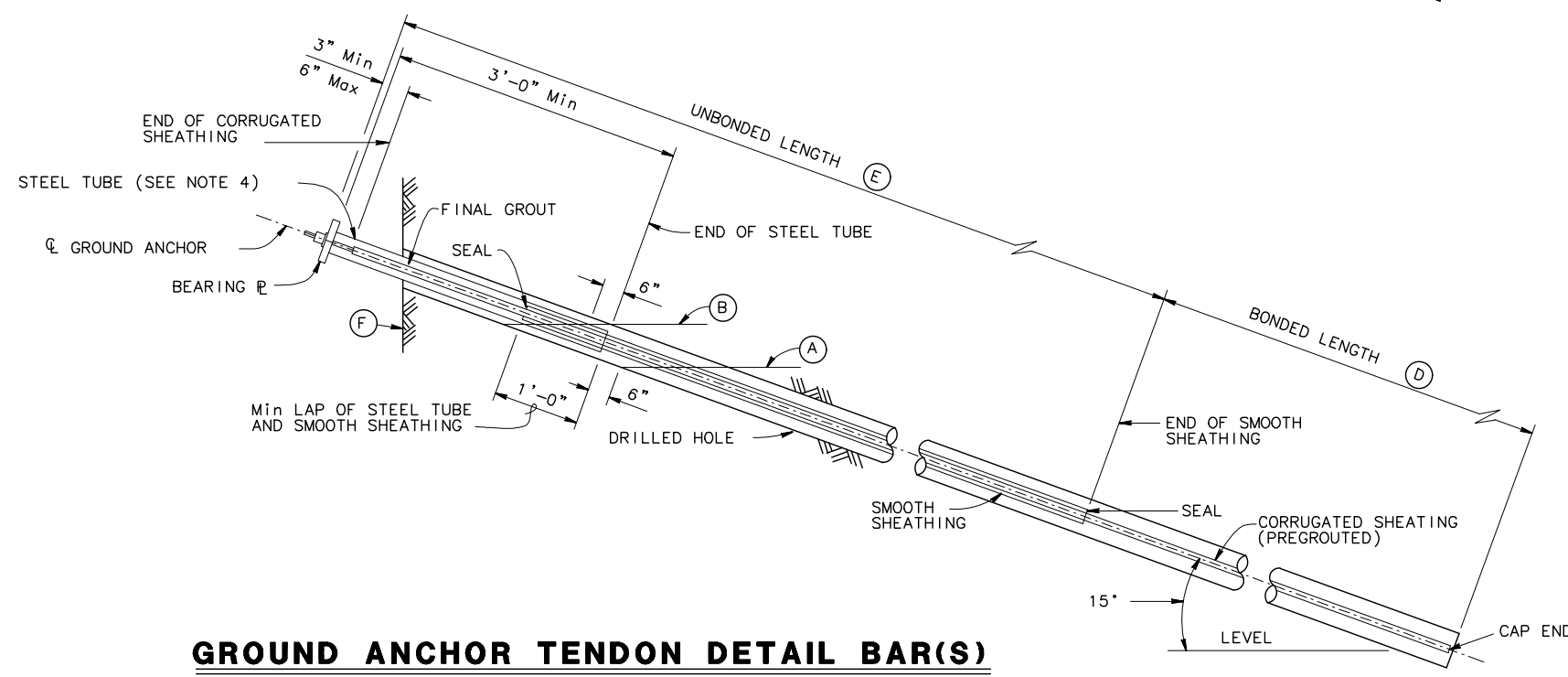
ROAD NAME: ALDERPOINT ROAD		MARK THOMAS		COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		SHEET 45	
ROAD NO: F6B165		MILE POST: 21.8, 22.8, 23.0-23.05		DESIGNED BY: YR		ALDERPOINT RD STORM DAMAGE (PM 21.8-23.05)	
PROJECT NO.:		EA NO.:		DRAWN BY: JD		OF 45	
CONTRACT NO.:		BRIDGE NO: N/A		REVIEWED BY: JH		SUB HORIZONTAL GROUND ANCHOR DETAILS	
DRAWING FILE NAME: 17 AP21.8_AD.dwg		PLOT DATE: 3/10/2021		REVISION DATE:		APPROVED BY: GH	

- NOTES:
- (A) Level of initial grouting for drilled hole 6" in diameter or smaller
 - (B) Level of secondary grouting
 - (C) Level of initial grouting inside corrugated sheathing
 - (D) Bonded length shall be determined by the contractor
 - (E) For unbonded length, see "PILE AND GROUND ANCHOR DATA TABLE" ON "TYPICAL SECTION" SHEET
 - (F) Face of Wall Excavation

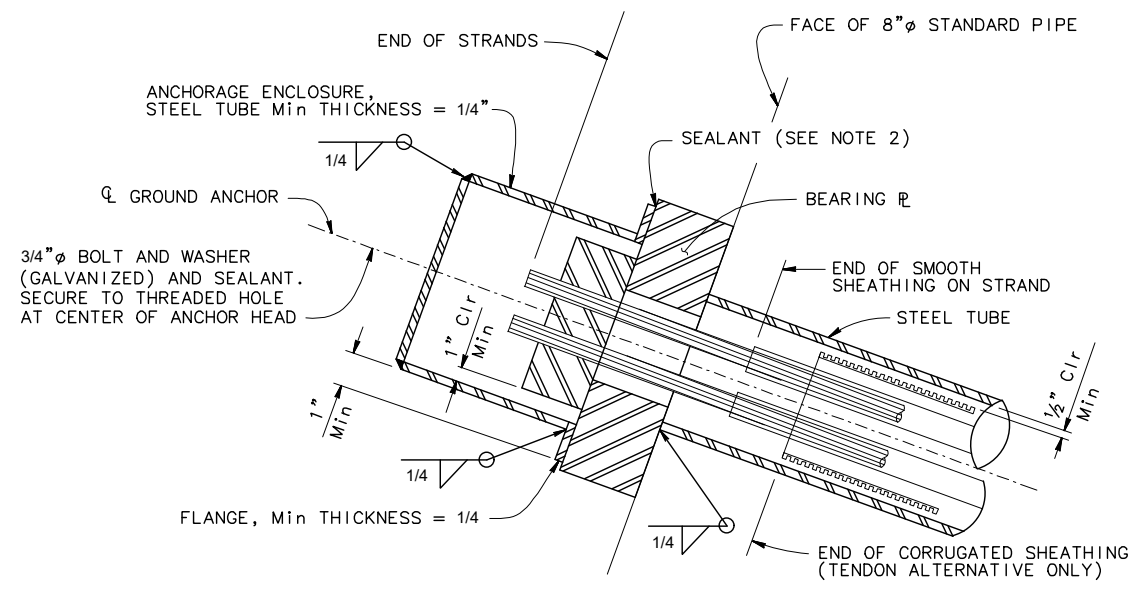
- NOTES:
1. Anchorage enclosure shall have provisions to allow injecting grout at low end and venting at high end. Galvanize after fabrication.
 2. Silicone sealant to cover full width of flange.
 3. Steel tube (Min thickness = 1/4") welded to bearing plate. Galvanize assembly after fabrication
 4. Steel tube welded to bearing plate. Inside diameter of steel tube (Min thickness = 1/4") to be 1" greater than outside diameter of smooth sheathing.
 5. Galvanize assembly after fabrication.



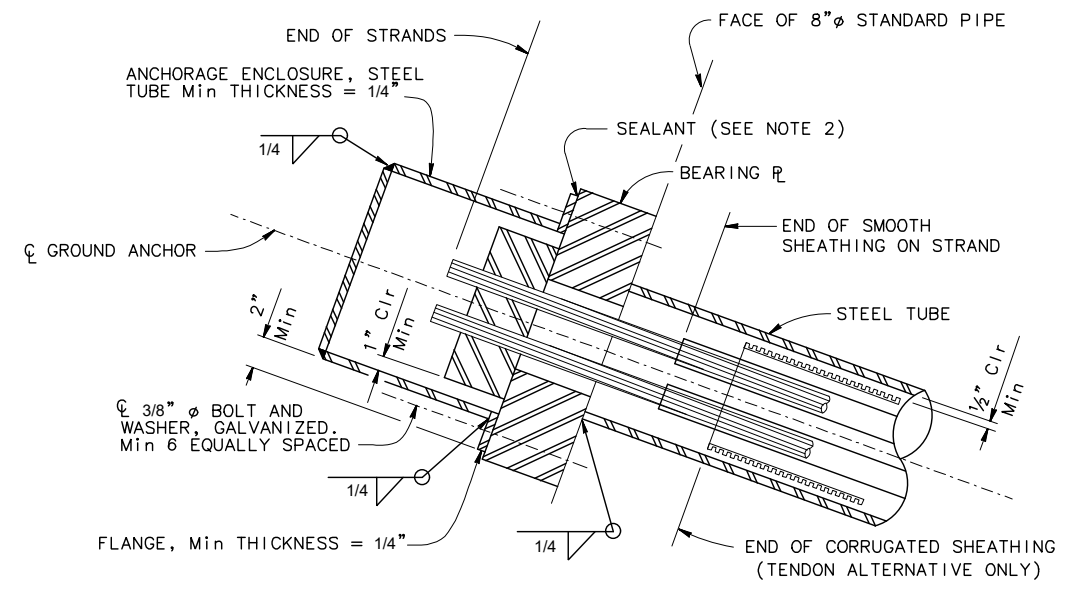
GROUND ANCHOR TENDON DETAIL (STRANDS)



GROUND ANCHOR TENDON DETAIL BAR(S)



ALTERNATIVE X



ALTERNATIVE Y

ANCHORAGE ENCLOSURE DETAILS