BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 1 OF 19
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: 6B165	MILE POST: 9.45, 10.52, 11.94 & 11.98	DESIGNED BY: ENGR	STORM DAMAGE REPAIR ALDERPOINT RD SOUTH	
	PROJECT NO.: ER-32LO(294), (296), (297), (298)		DRAWN BY: ENGR	COVER SHEET, SHEET INDEX AND MAPS	
	CONTRACT NO.: 217261, 217262, 217263, 217264		REVIEWED BY: JAB		
	DRAWING FILE NAME: L:\...\2017 Storm Damage\...\ALDERPOINT SOUTH COMBINED SITE.DWG		APPROVED BY: TRS		
	PLOT DATE: 12/9/2020	REVISION DATE:			

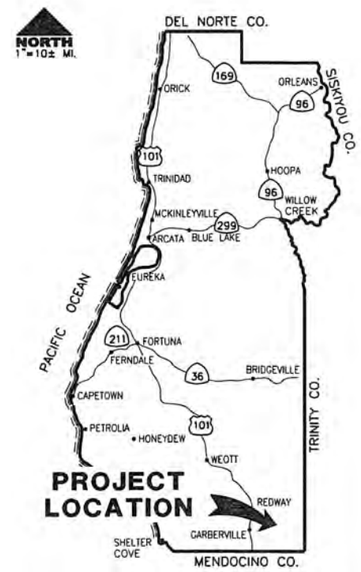
FUNDING SOURCE

THIS PROJECT IS FUNDED BY THE US DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION EMERGENCY RELIEF PROGRAM

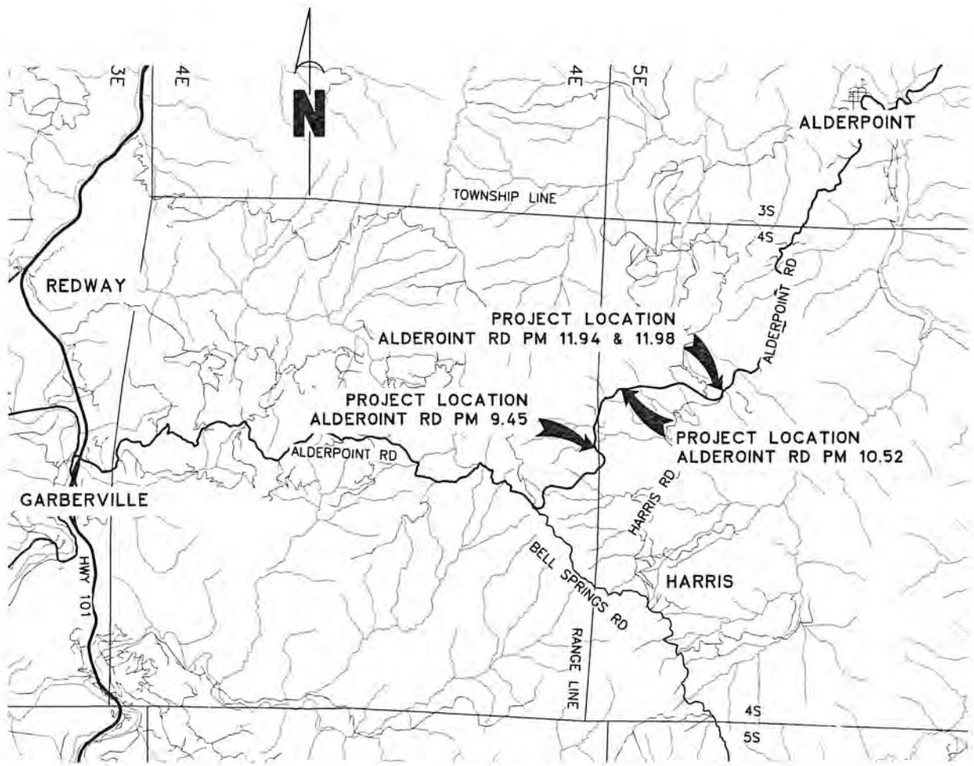
U.S.Department of Transportation
Federal Highway Administration

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

PROJECT PLANS FOR CONSTRUCTION OF
STORM DAMAGE REPAIR TO ALDERPOINT ROAD (6B165) AT P.M. 9.45, 10.52, 11.94 & 11.98
PROJECT NO. ER-32LO (294), (295), (296), (297)
CONTRACT NO. 217261, 217262, 217263, 217264



LOCATION MAP
SCALE: 1"=10± MILE



VICINITY MAP
SCALE: 1"=5000'±

COUNTY OF HUMBOLDT * IN THE REDWOODS *

INDEX OF SHEETS

NOTES

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT. REFERENCE TO CALTRANS STANDARD PLANS DATED JULY 2018. (SEE APPLICABLE STAN PLAN LIST IN SPECIAL PROVISIONS)

DESIGN DESIGNATION

ADT (MARCH'09)=2083
V=45MPH
GEOTECH MEMORANDUMS FOR 10.52, 11.94 & 11.98 BY CRAWFORD DATED 9/21/2020, 6/5/2020, AND 6/5/2020 RESPECTIVELY

RECOMMENDED

Jeffrey A. Ball 12/9/20
JEFFREY A. BALL DATE
RCE 70631, EXP. 6/30/2021

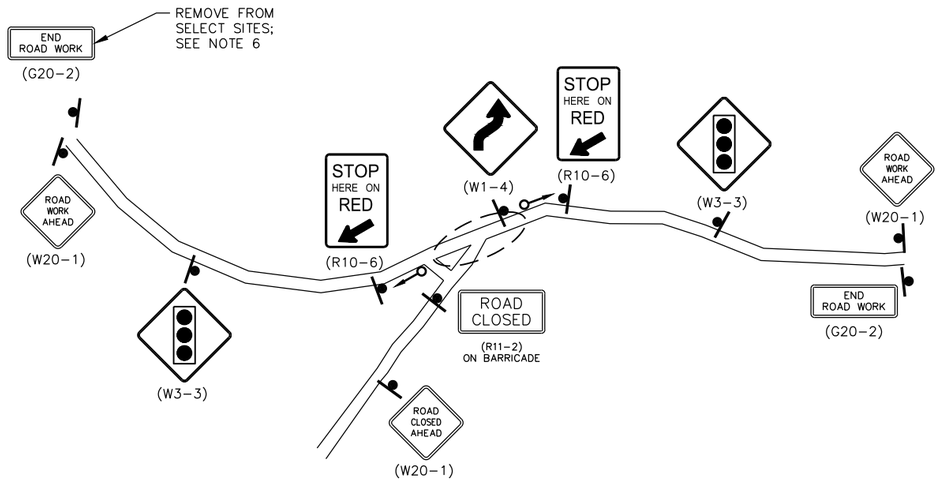
REGISTERED PROFESSIONAL ENGINEER
JEFFREY A. BALL
NO. 70631
CIVIL
STATE OF CALIFORNIA

APPROVED

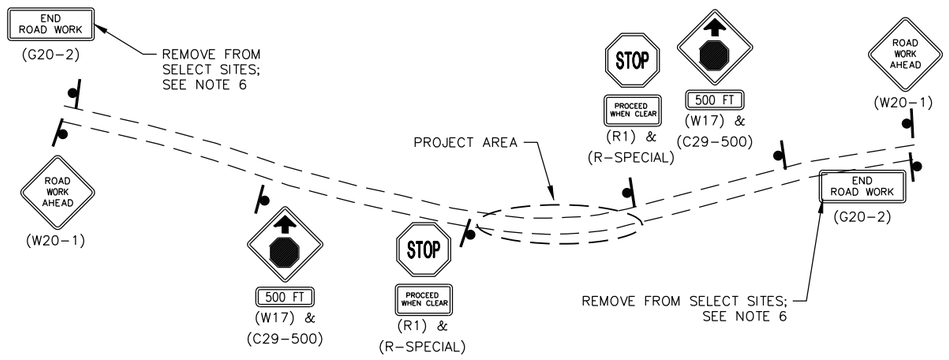
Tony R Seghetti 12/9/20
TONY R. SEGHETTI DATE
RCE 63714, EXP. 9/30/2022

REGISTERED PROFESSIONAL ENGINEER
TONY R. SEGHETTI
NO. 63714
CIVIL
STATE OF CALIFORNIA

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



TRAFFIC CONTROL DETAIL TA-12 (ALT)



TRAFFIC CONTROL DETAIL T13

TYPICAL TRAFFIC CONTROL PLANS

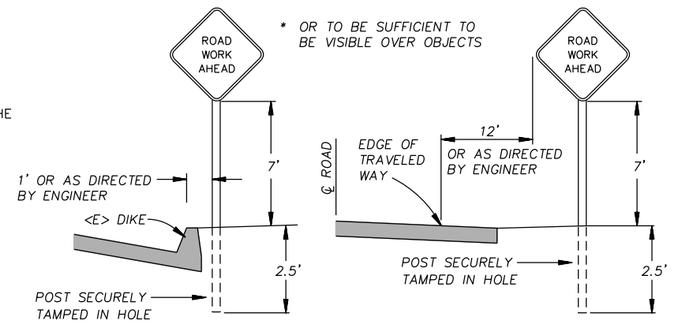
SCALE: 1"=200'±

NOTES

1) SIGNS SHALL BE PLACED AS SHOWN ON PLAN, TABLE 1 & 2, AND/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 CALTRANS STANDARD PLANS T13 OR T12-A 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.
8) WHEN DEVELOPING A DETOUR WITH A ONE-LANE, TWO-WAY TRAFFIC CONTROL SYSTEM, ADD A TRAFFIC TAPER TO BOTH ENDS OF THE DETOUR PER FIGURE 6C-3 OF THE CA MUTCD

TABLE 1

SITE	TRAFFIC CONTROL PLAN
PM 9.45	STD PLAN T13
PM 10.52	STD PLAN T13
PM 11.94	STD PLAN T12-A
PM 11.98	STD PLAN T12-A



RURAL CONSTRUCTION AREA SIGN

– NOT TO SCALE –

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ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 9.45, 10.52, 11.94, 11.98		
PROJECT NO.: ER-32LO(294), (295), (296), (297)		DESIGNED BY: MMS RMD JAB	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 9.45, 10.52, 11.94, 11.98
CONTRACT NO.: 217261, 217262, 217263, 217264		DRAWN BY: MMS RMD JAB	TRAFFIC CONTROL PLAN AND QUANTITIES
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites		REVIEWED BY: JAB	SHEET 2 OF 19
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

QUANTITIES

ITEM NO.	ITEM CODE		ITEM DESCRIPTION	UNIT	9.45	10.52	11.94	11.98	TOTAL
1	120090		Construction Area Signs	EA	8	8	6	5	27
2	120100		Traffic Control System	LS	0.1	0.3	0.3	0.3	1
3	120202		Portable Signal System	LS	0	0	0.5	0.5	1
4	129000		Temporary Railing (Type K)	EA	0	9	8	10	27
5	130100		Job Site Management	LS	0.1	0.3	0.3	0.3	1
6	130200		Prepare Water Pollution Contol Program	LS	0.1	0.3	0.3	0.3	1
7	130680		Temporary Silt Fence	LF	0	120	130	130	380
8	170103		Clearing and Grubbing (LS)	LS	0.1	0.3	0.3	0.3	1
9	190101		Roadway Excavation	CY	170	2,700	87	94	3,051
10	190136A		Construct Detour	LS	0	0	0.5	0.5	1
11	190185		Shoulder Backing	CY	4	15	3	6	28
12	192037	F	Structure Excavation (Retaining Wall)	CY	0	0	708	1,064	1,772
13	193013	F	Structure Backfill (Retaining Wall)	CY	0	0	156	291	447
14	198050		Embankment	CY	97	1,820	274	435	2,626
15	198250A		Geosynthetic Reinforcement (Biaxial Geogrid)	SQYD	489	684	0	0	1,173
16	198250B		Geosynthetic Reinforcement (Uniaxial Geogrid)	SQYD	0	3,119	0	0	3,119
17	210212		Dry Seed (SQFT)	SQFT	0	6,000	2,278	3,241	11,519
18	210280		Rolled Erosion Control Product (Blanket)	SQFT	0	4,770	849	294	5,913
19	210350		Fiber Rolls	LF	0	520	110	140	770
20	210420		Straw	SQFT	0	1,230	1,429	2,947	5,606
21	260203		Class 2 Aggregate Base (CY)	CY	67	133	98	119	417
22	390132		Hot Mix Asphalt (Type A)	TON	41	90	76	80	287
23	477020	F	Mechanically Stabilized Embankment (Wire Wall)	SQFT	0	0	800	1,344	2,144
24	680902		6" Perforated Plastic Pipe Underdrain	LF	0	140	80	112	332
25	680903		6" Non-Perforated Plastic Pipe Underdrain	LF	0	52	41	33	126
26	681990		Filter Fabric (Class B)	SQYD	0	1,461	469	602	2,532
27	682023		Class 1 Permeable Material (Type B)	CY	0	430	178	233	841
28	723095		Rock Slope Protection (20 lb, Class I Method B) (CY)	CY	0	4	4	4	12
29	782120		Relocate Mailbox	EA	0	0	1	0	1
30	832006		Midwest Guardrail System (Steel Post)	LF	0	0	0	75	75
31	839585		Alternative Flared Terminal System	EA	0	0	0	2	2
32	840501		Thermoplastic Traffic Stripe	LF	140	250	140	170	700
33	999990		Mobilization	LS	0.1	0.3	0.3	0.3	1

CONSTRUCTION AREA SIGN SUMMARY

SIGN CODE	QTY	SIGN MESSAGE	PANEL SIZE	NUMBER & POST SIZE
W20-1	6	ROAD WORK AHEAD	36" x 36"	(1) 4" x 4"
W17 C29	4	STOP AHEAD 500 FT	36" x 36" 29" x 9"	(1) 4" x 4"
R1 R-SPECIAL	4	STOP PROCEED WHEN CLEAR	36" x 36" 36" x 18"	(1) 4" x 4"
G20-2	6	END ROAD WORK	36" x 18"	(1) 4" x 4"
R10-6	2	STOP HERE ON RED	24" x 36"	(1) 4" x 4"
W1-4	1	HORIZONTAL ALIGNMENT	30" x 30"	(1) 4" x 4"
W3-3	2	SIGNAL WARNING	30" x 30"	(1) 4" x 4"
R11-2	1	ROAD CLOSED	48" x 30"	(1) 4" x 4"
C19	1	ROAD CLOSED AHEAD	30" x 30"	(1) 4" x 4"

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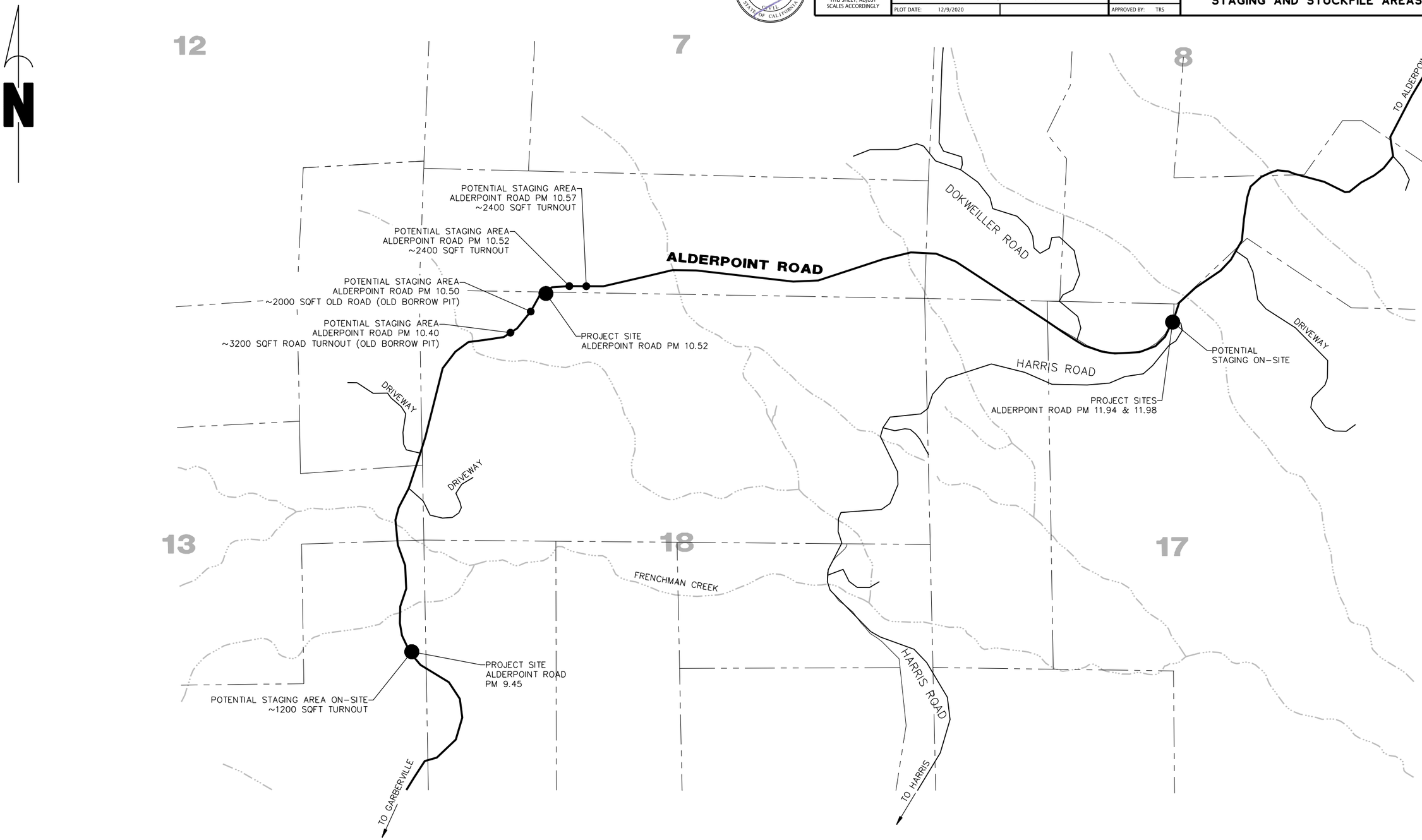
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 9.45, 10.52, 11.94, 11.98		
PROJECT NO,: ER-32LO(294), (295), (296), (297)		DESIGNED BY: MMS RMD JAB	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 9.45, 10.52, 11.94, 11.98
CONTRACT NO,: 217261, 217262, 217263, 217264		DRAWN BY: MMS RMD JAB	STAGING AND STOCKPILE AREAS
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

SHEET 3 OF 19



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.

STAGING AND STOCKPILE LOCATIONS

1"=±500'

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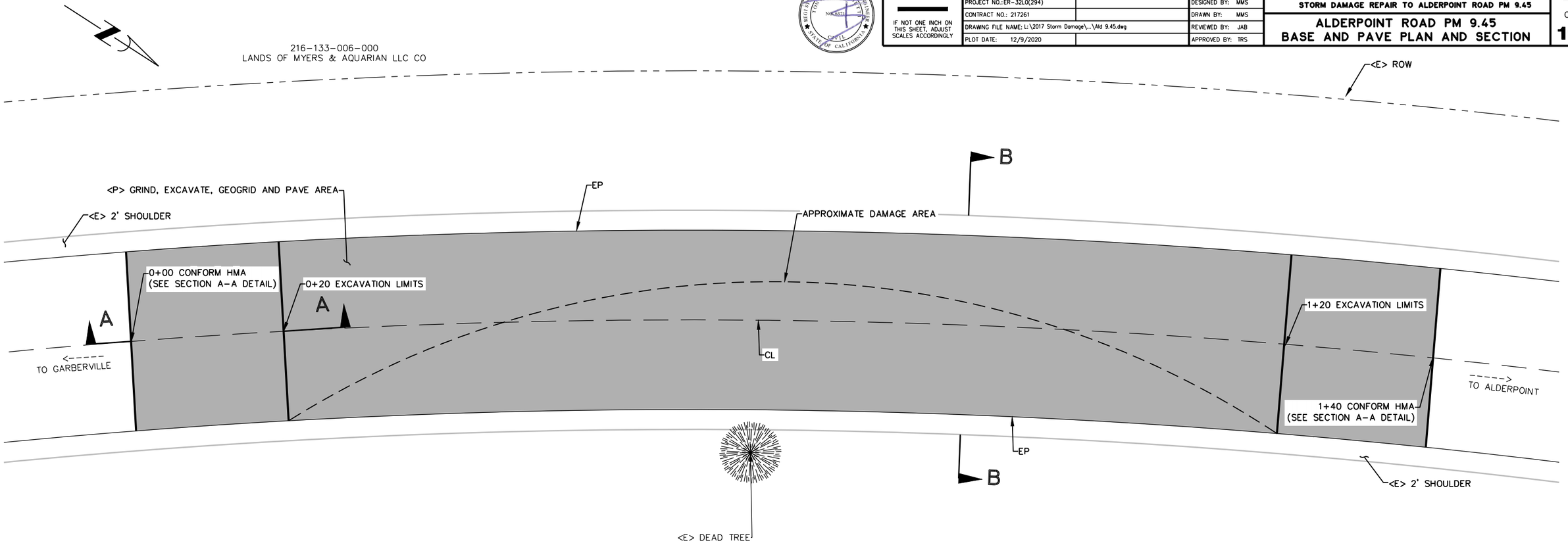
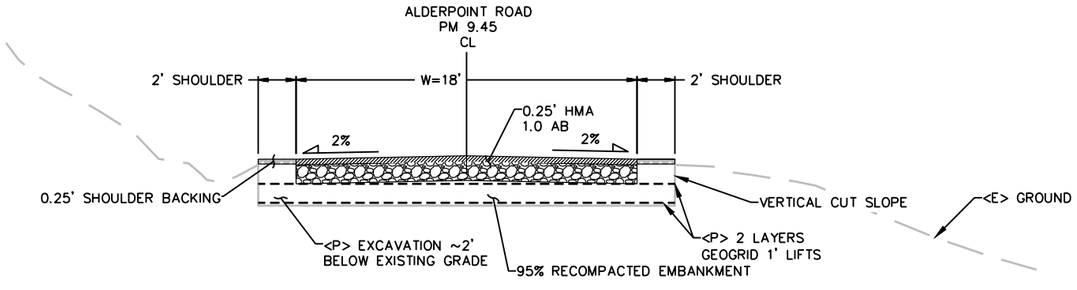
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: F6B165	MILE POST: 9.45		
PROJECT NO.:ER-32L0(294)		DESIGNED BY: MMS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 9.45
CONTRACT NO.: 217261		DRAWN BY: MMS	ALDERPOINT ROAD PM 9.45 BASE AND PAVE PLAN AND SECTION
DRAWING FILE NAME: L:\2017 Storm Damage\...\Ald 9.45.dwg		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

SHEET 4 OF 19



ALDERPOINT ROAD PM 9.45 PLAN

SCALE: 1"=5'±

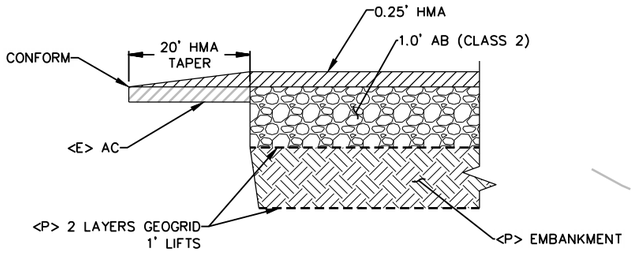


SECTION B-B EXCAVATION LIMITS DETAIL

SCALE: 1"=4'±

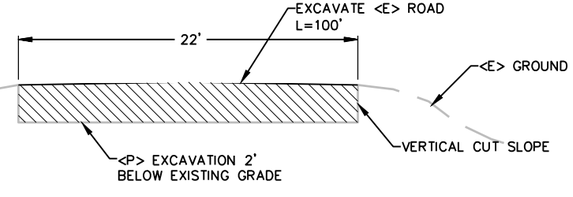
NOTES

- NOT A PRODUCT OF SURVEY
- CONTRACTOR MUST VERIFY FIELD CONDITIONS
- CONTRACTOR TO MAINTAIN 10' MINIMUM ROAD WIDTH DURING CONSTRUCTION



SECTION A-A HMA CONFORM DETAIL

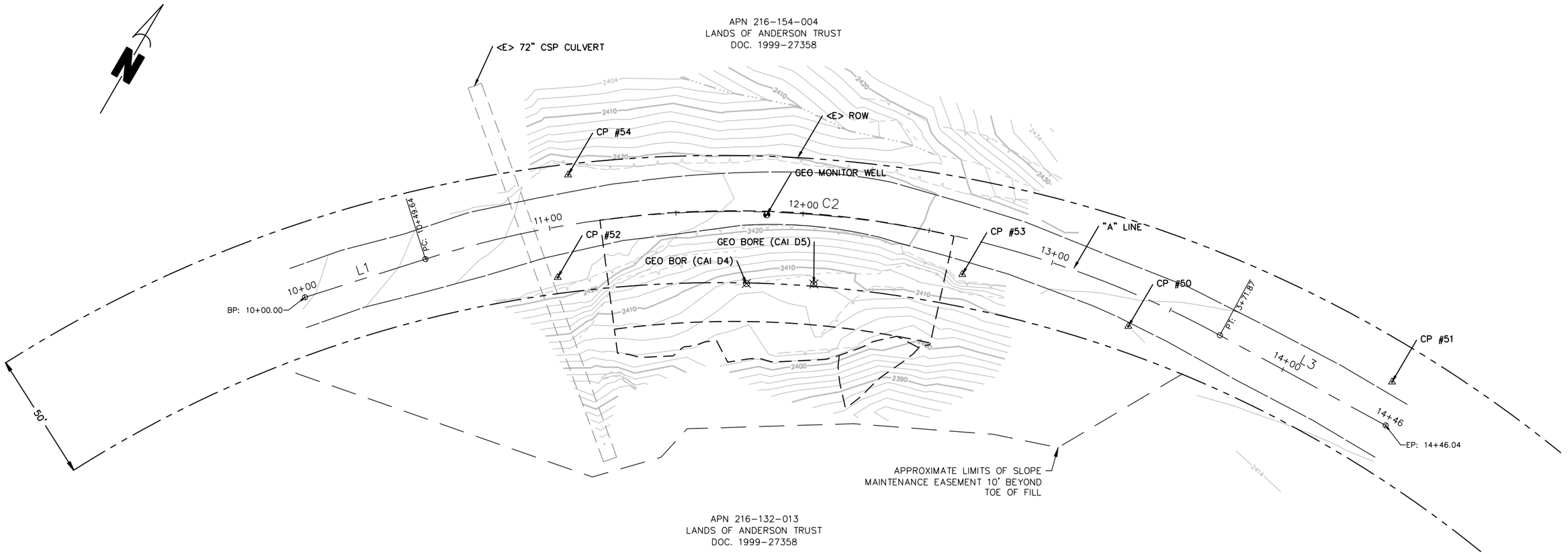
SCALE: NTS



EXCAVATION LIMITS DETAIL

SCALE: NTS

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 5 OF 19
	ROAD NO: 6B165	MILE POST: 10.52			
	PROJECT NO.: ER032L0(295)		DESIGNED BY: ENGR	ALDERPOINT ROAD PM 10.52	
	CONTRACT NO.: 217262		DRAWN BY: ENGR		
	DRAWING FILE NAME:		REVIEWED BY: JAB	ALDERPOINT ROAD PM 10.52 SURVEY CONTROL	
	PLOT DATE: 12/9/2020		APPROVED BY: ARS		



ALDERPOINT ROAD PM 10.52 SURVEY NOTES

1. The purpose of this survey is to determine topography for an emergency storm damage repair site at Post Mile 10.52–10.53 of Alderpoint Road. This survey reflects conditions at the time of survey; field work was performed July 24, 2019
2. 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 05 minutes 23 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 0.99986067 to obtain ground distances. Mapping angle and grid scale factor are taken at control point number 50, a 60d nail in the south shoulder of the road. Elevations are NAVD 88 datum based on OPUS solution utilizing the GEOID 12B model: an elevation of 2417.20 feet was measured at the aforementioned Control Point 50.
3. Contours and spot elevations were obtained by conventional survey techniques. Only trees 12 inch and bigger were located; numerous other smaller trees exist within area surveyed and are not shown. Tree locations are generally shown at breast height and are approximate due to the fact not all trees are growing vertically.
4. The right of way shown on this survey is fifty feet in width as defined by Parcel Map No. 2377 as as centerline of Road "G" (Alderpoint Rd.). Said map is recorded in Book 21 of Parcel Maps, pages 25–36. The right of way dedicated thereon includes a maintenance easement 10 feet beyond tops of slopes and toes of slope. This survey does not attempt to define the limits of the maintenance easement. The location of the easement strip is based on ties to Corner #'s 54 and 48 as described on said map. Parcel Map record bearings were rotated clockwise 1°49'12" to be on grid basis noted above. Distances on said map were scaled to grid by combined scale factor noted above.
5. 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.

SURVEY CONTROL COORDINATES LIST

POINT #	EASTING	NORTHING	ELEVATION	DESCRIPTION
50	6095683.0610'	1932129.4360'	2417.20'	CP_60D
51	6095783.7455'	1932162.3166'	2417.05'	CP_SPK
52	6095479.2777'	1932033.9309'	2422.04'	CP_SPK
53	6095616.3629'	1932114.4953'	2419.04'	CP_SPK
54	6095462.6676'	1932070.9292'	2423.43'	CP_SPK
150	6095683.0610'	1932129.4360'	2417.20'	CP_50_GPS
151	6095783.6150'	1932162.2740'	2416.88'	CP_51_GPS

ALDERPOINT ROAD PM 10.52 "A" ALIGNMENT GEOMETRY

Segment	Type	Length	Radius	Direction	Start Station	End Station	Delta angle
L1	Line	49.64'		N42° 23' 40"E	10+00.00'	10+49.64'	
C2	Curve	322.24'	400.00'		10+49.64'	13+71.87'	46°09'24"
L3	Line	74.16'		N88° 33' 05"E	13+71.87'	14+46.04'	

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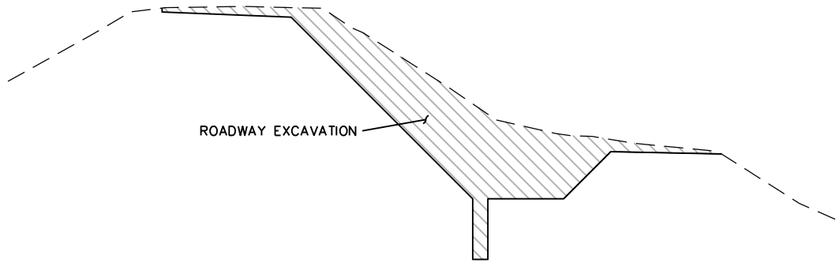
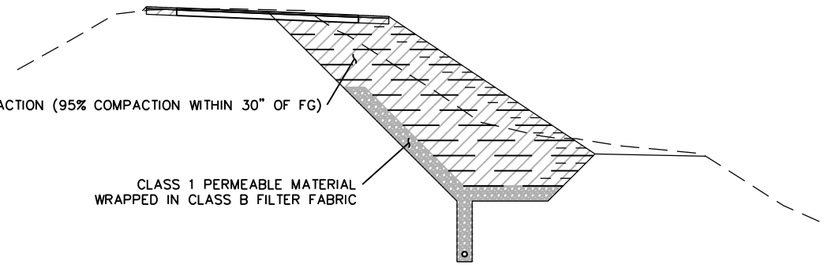
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 6B165	MILE POST: 10.52		ALDERPOINT ROAD PM 10.52
PROJECT NO.: ER032L0(295)		DESIGNED BY: ENGR	ALDERPOINT ROAD PM 10.52 TYPICAL SECTIONS AND DETAILS
CONTRACT NO.: 217262		DRAWN BY: ENGR	
DRAWING FILE NAME:		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: ARS	

SHEET 6 OF 19



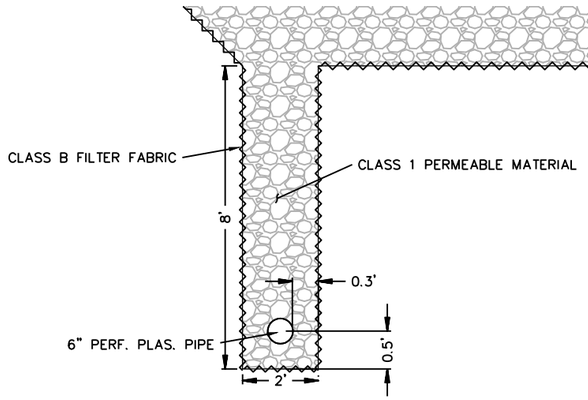
EXCAVATION SECTION

SCALE: 1"=10'



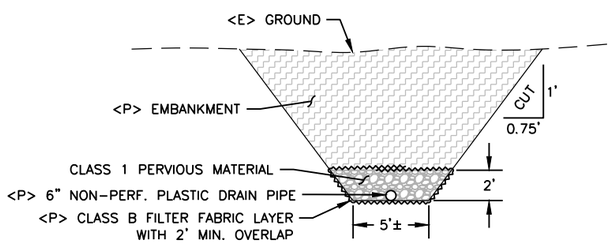
BACKFILL SECTION

SCALE: 1"=10'



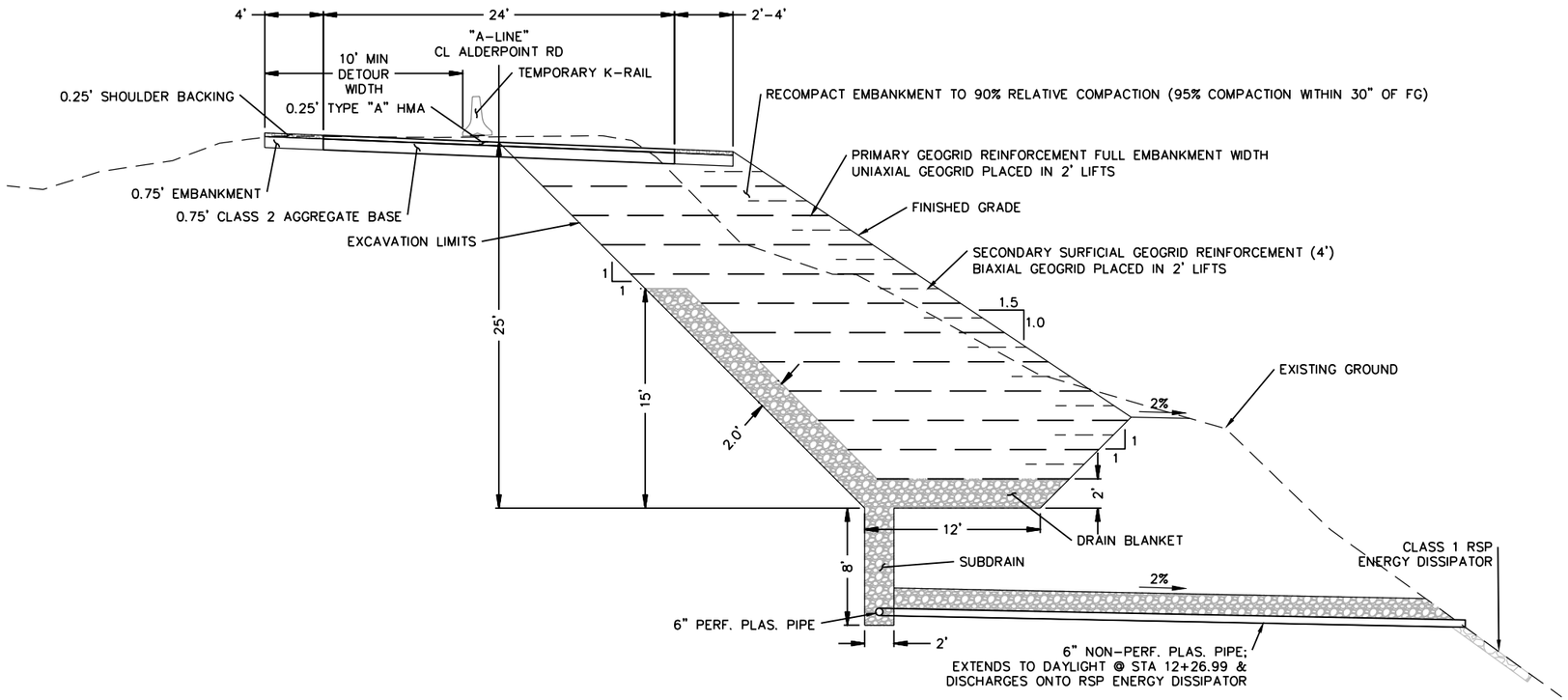
6" UNDERDRAIN DETAIL

SCALE: 1"=10'



TYP. 6" UNDERDRAIN OUTLET DETAIL

SCALE: 1"=5'



TYPICAL SECTION

SCALE: 1"=5'

BAR IS ONE INCH ON ORIGINAL DRAWING

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ROAD NAME: ALDERPOINT ROAD		
ROAD NO: 6B165	MILE POST: 10.52	
PROJECT NO.: ER032L0(295)		
CONTRACT NO.: 217262		
DRAWING FILE NAME:		
PLOT DATE: 12/9/2020		

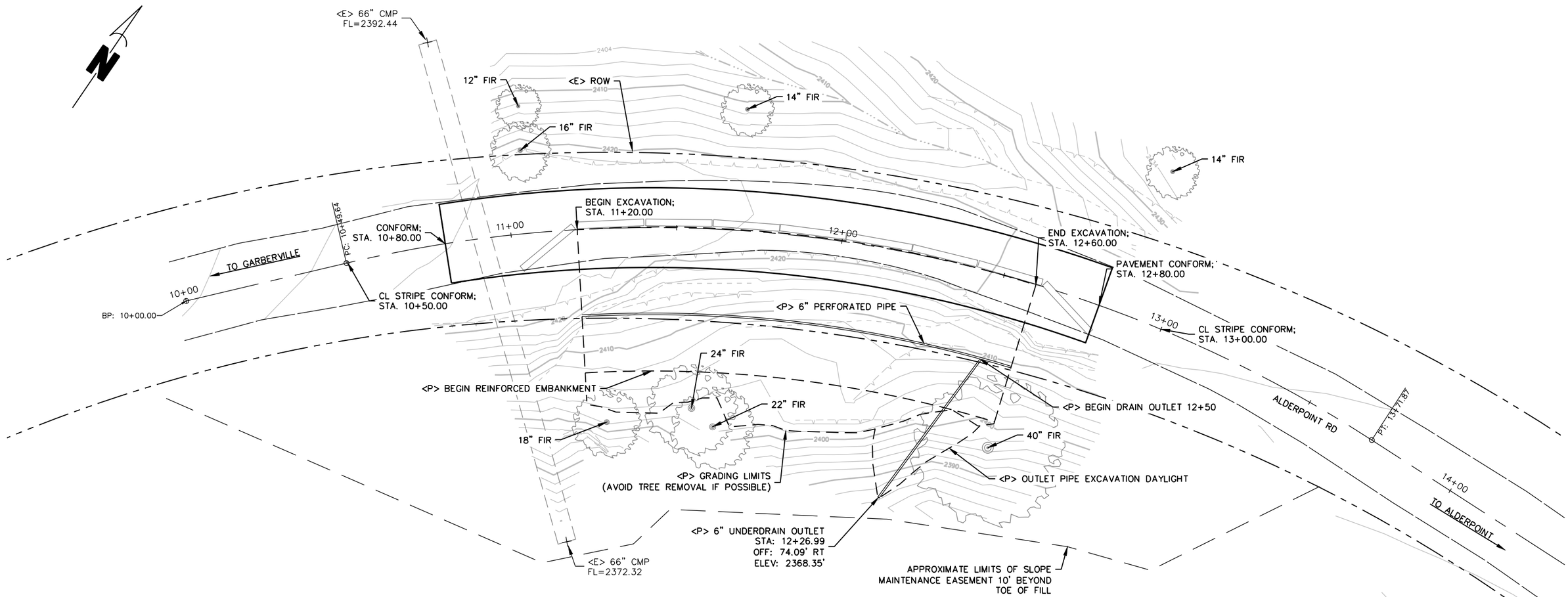
DESIGN SECTION ENGINEERING
DESIGNED BY: ENGR
DRAWN BY: ENGR
REVIEWED BY: JAB
APPROVED BY: ARS

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

ALDERPOINT ROAD PM 10.52

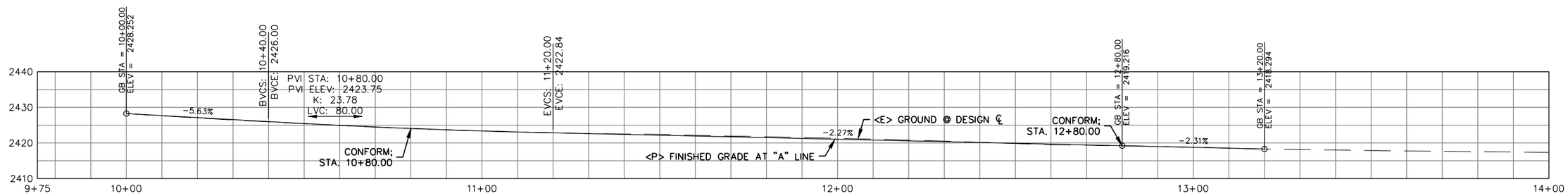
ALDERPOINT ROAD PM 10.52 PLAN AND PROFILE

SHEET 7 OF 19



ALDERPOINT ROAD PM 10.52 PLAN VIEW

SCALE: 1"=15'



ALDERPOINT ROAD PM 10.52 PROFILE VIEW

HORIZ.: 1"=15'
VERT.: 1"=15'

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ROAD NAME: ALDERPOINT ROAD		
ROAD NO: 6B165	MILE POST: 10.52	
PROJECT NO.: ER032L0(295)		
CONTRACT NO.: 217262		
DRAWING FILE NAME:		
PLOT DATE: 12/9/2020		

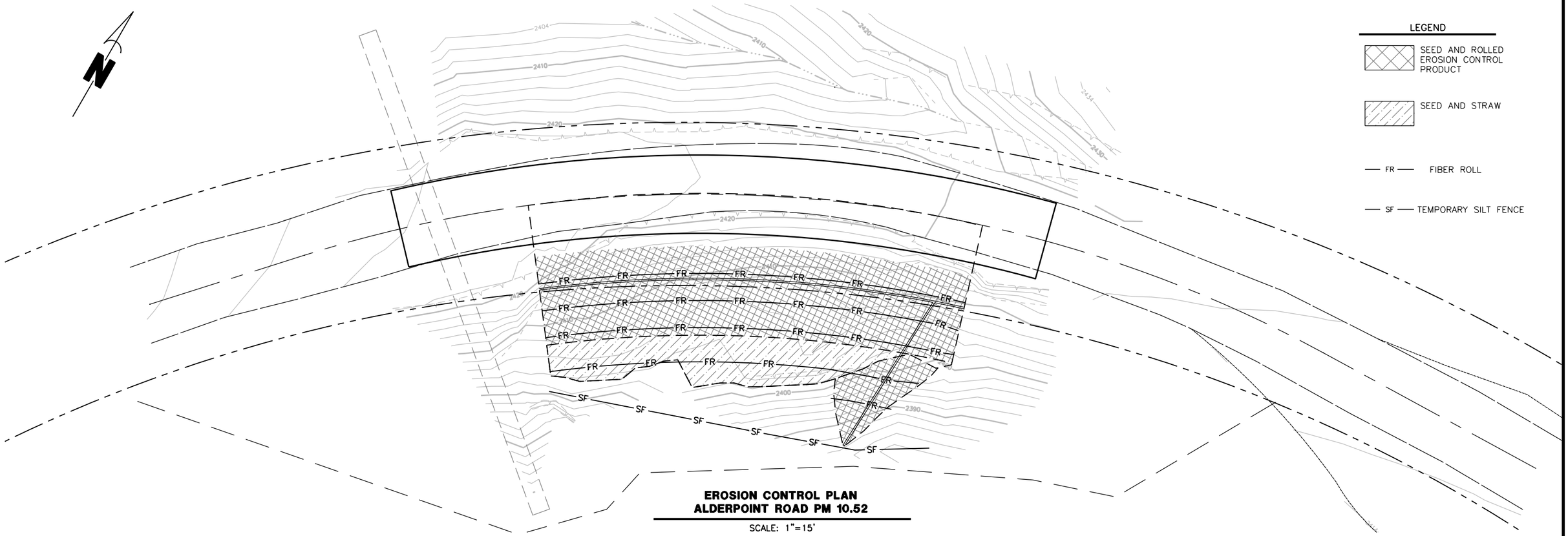
DESIGN SECTION ENGINEERING	
DESIGNED BY: ENGR	
DRAWN BY: ENGR	
REVIEWED BY: JAB	
APPROVED BY: ARS	

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

ALDERPOINT ROAD PM 10.52

ALDERPOINT ROAD PM 10.52 EROSION CONTROL PLAN

SHEET 8 OF 19

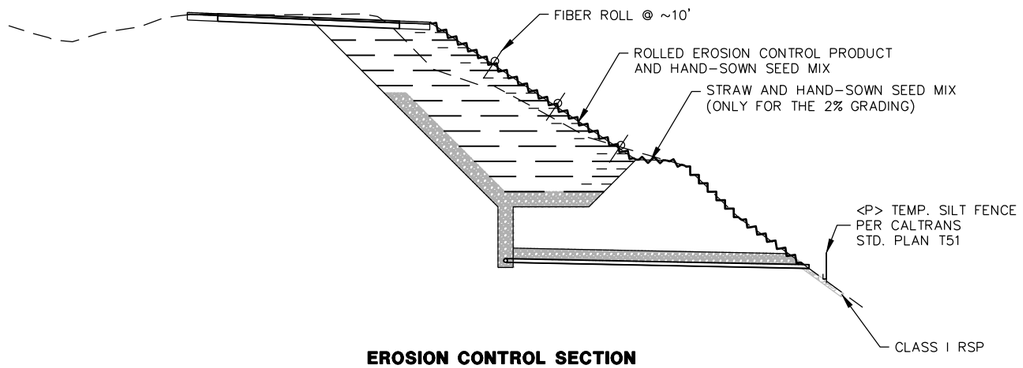


LEGEND

- SEED AND ROLLED EROSION CONTROL PRODUCT
- SEED AND STRAW
- FR — FIBER ROLL
- SF — TEMPORARY SILT FENCE

EROSION CONTROL PLAN
ALDERPOINT ROAD PM 10.52

SCALE: 1"=15'



EROSION CONTROL SECTION
ALDERPOINT ROAD PM 10.52

SCALE: 1"=5'

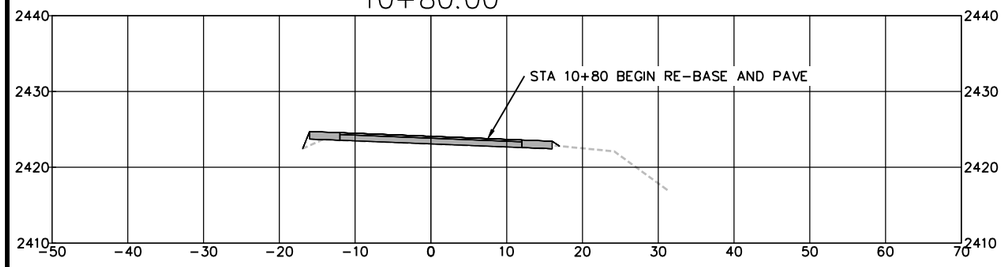
BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

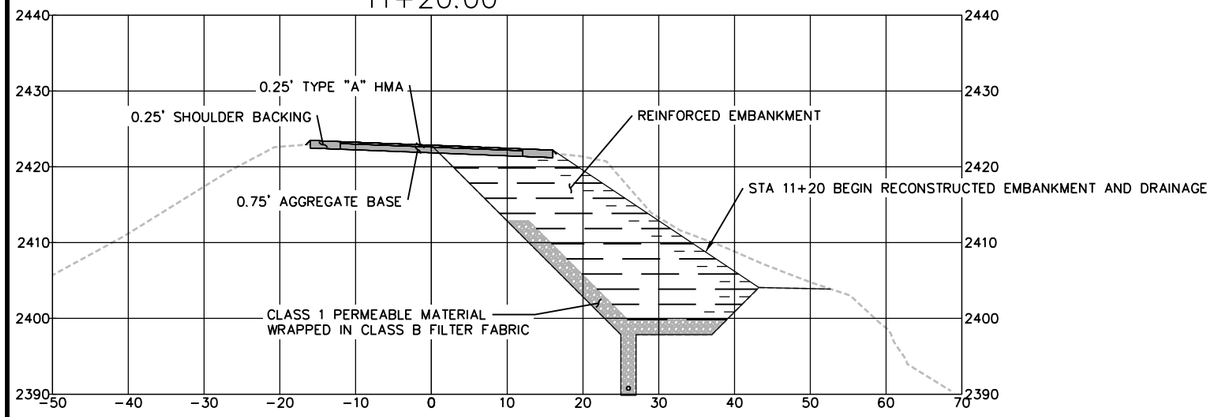
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 6B165	MILE POST: 10.52		
PROJECT NO.: ER032L0(295)		DESIGNED BY: ENGR	ALDERPOINT ROAD PM 10.52
CONTRACT NO.: 217262		DRAWN BY: ENGR	
DRAWING FILE NAME:		REVIEWED BY: JAB	ALDERPOINT ROAD PM 10.52 SECTION VIEWS (10+80 TO 11+80)
PLOT DATE: 12/9/2020		APPROVED BY: ARS	

SHEET 9 OF 19

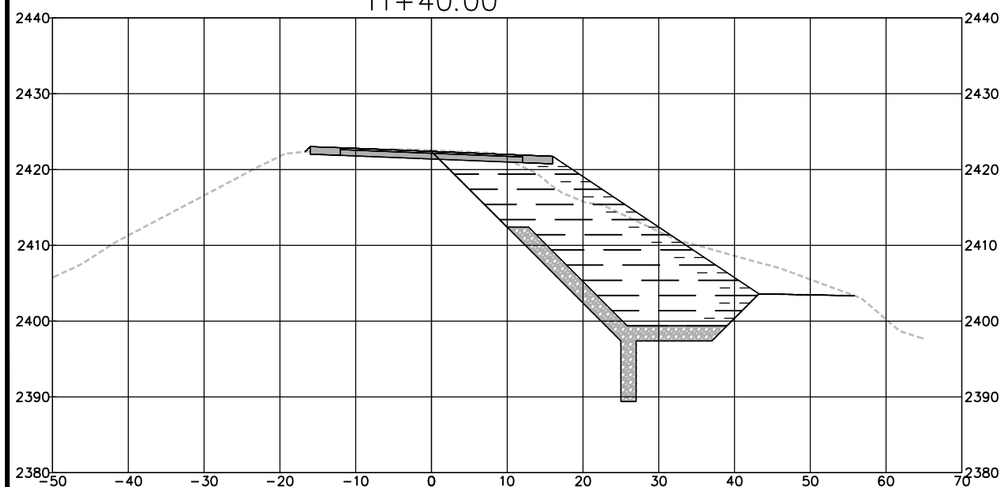
10+80.00



11+20.00



11+40.00



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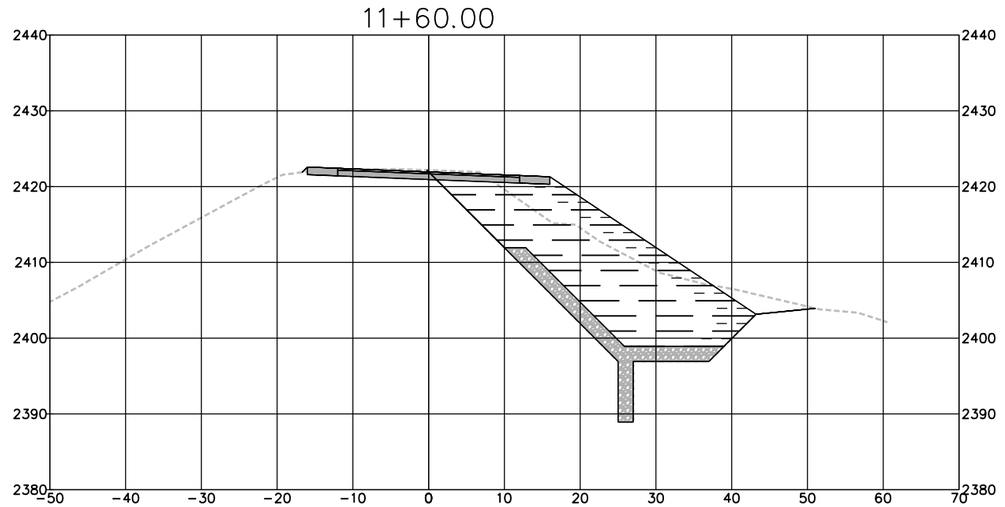
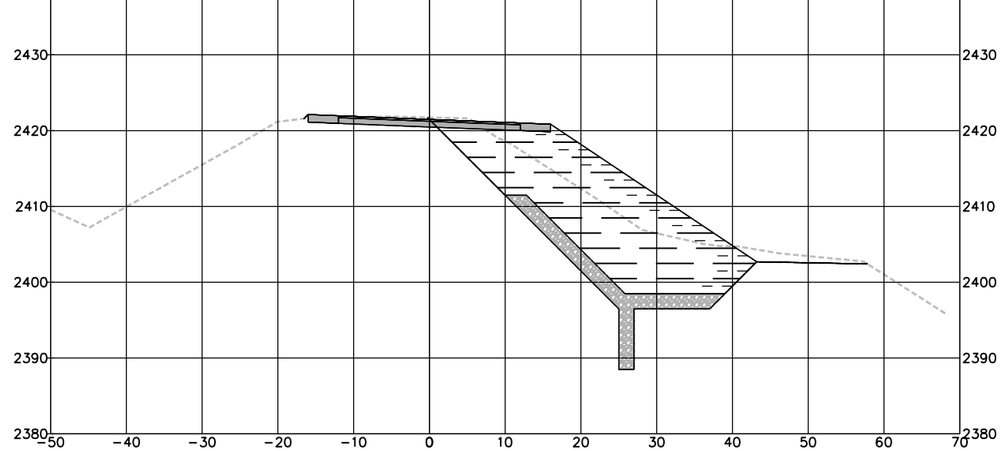


11+80.00



SECTION VIEWS

SCALE: 1"=10'

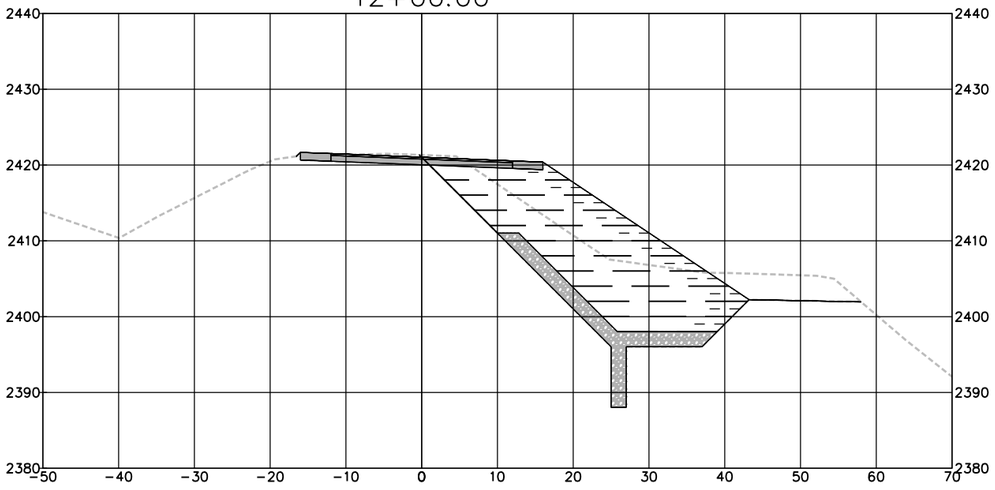
BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

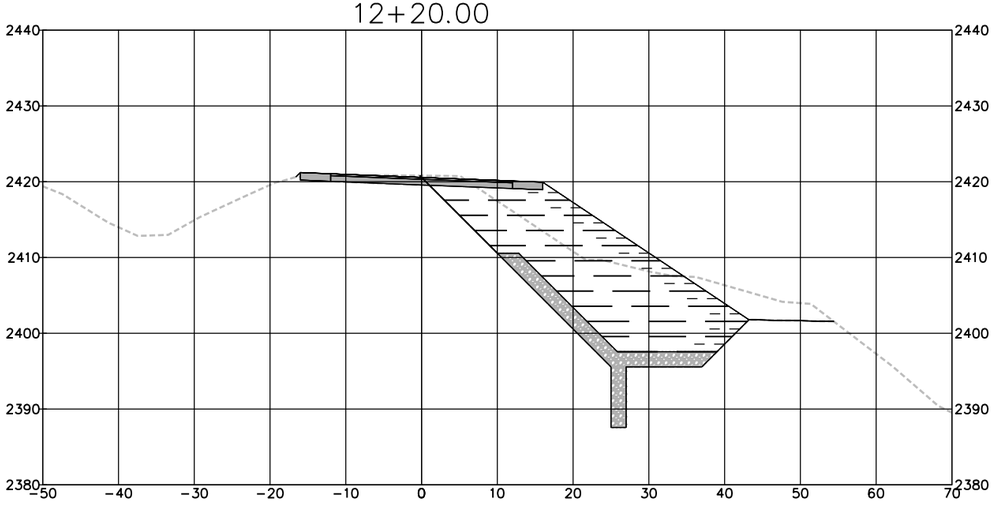
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 6B165	MILE POST: 10.52		ALDERPOINT ROAD PM 10.52
PROJECT NO.: ER032L0(295)		DESIGNED BY: ENGR	ALDERPOINT ROAD PM 10.52 SECTION VIEWS (12+00 TO 12+80)
CONTRACT NO.: 217262		DRAWN BY: ENGR	
DRAWING FILE NAME:		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: ARS	

SHEET 10 OF 19

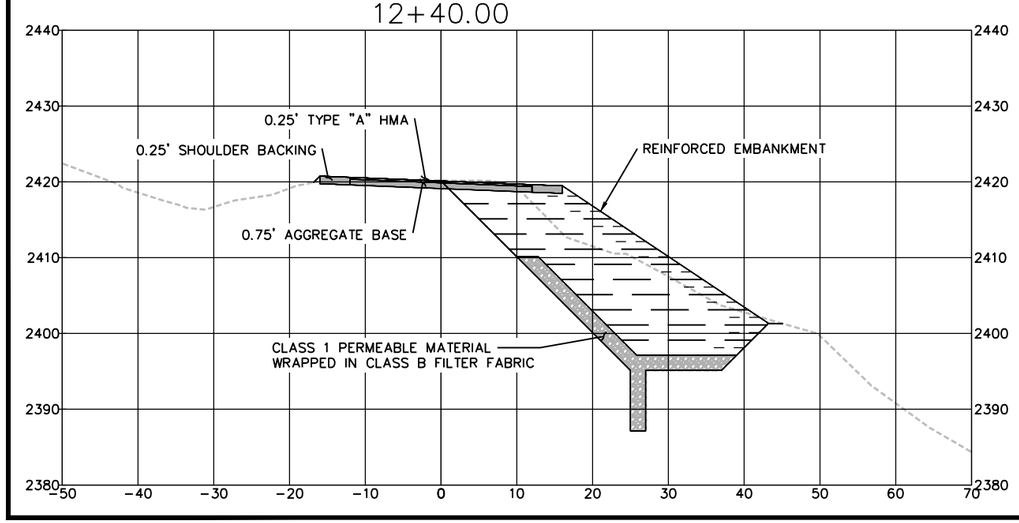
12+00.00



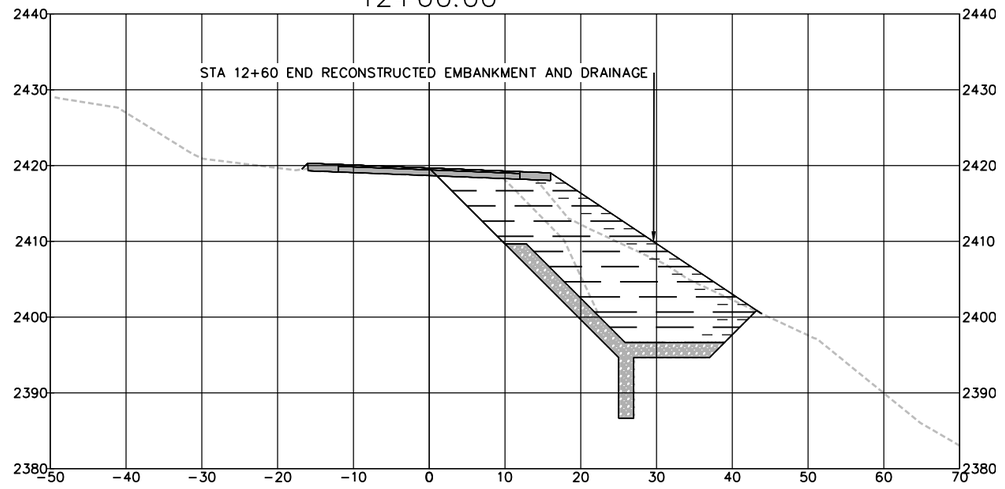
12+20.00

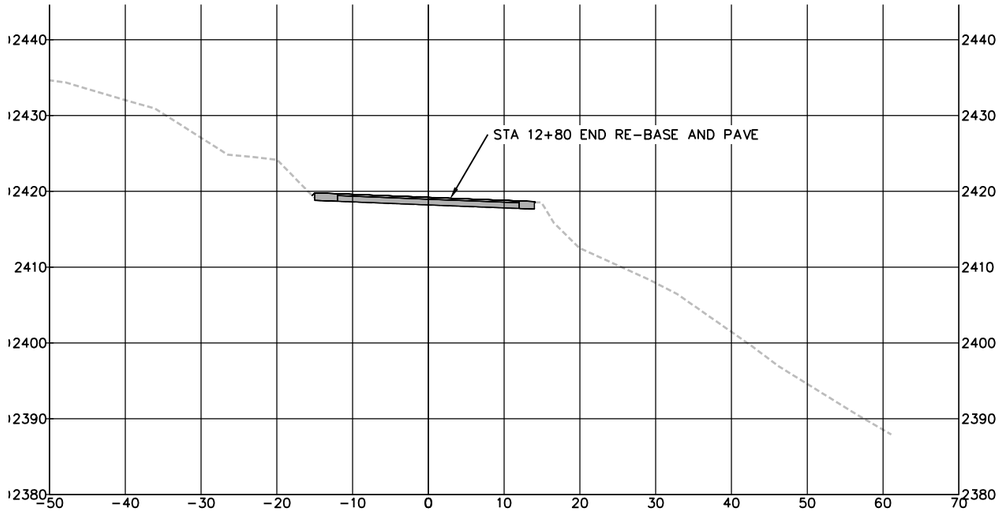


12+40.00



12+60.00

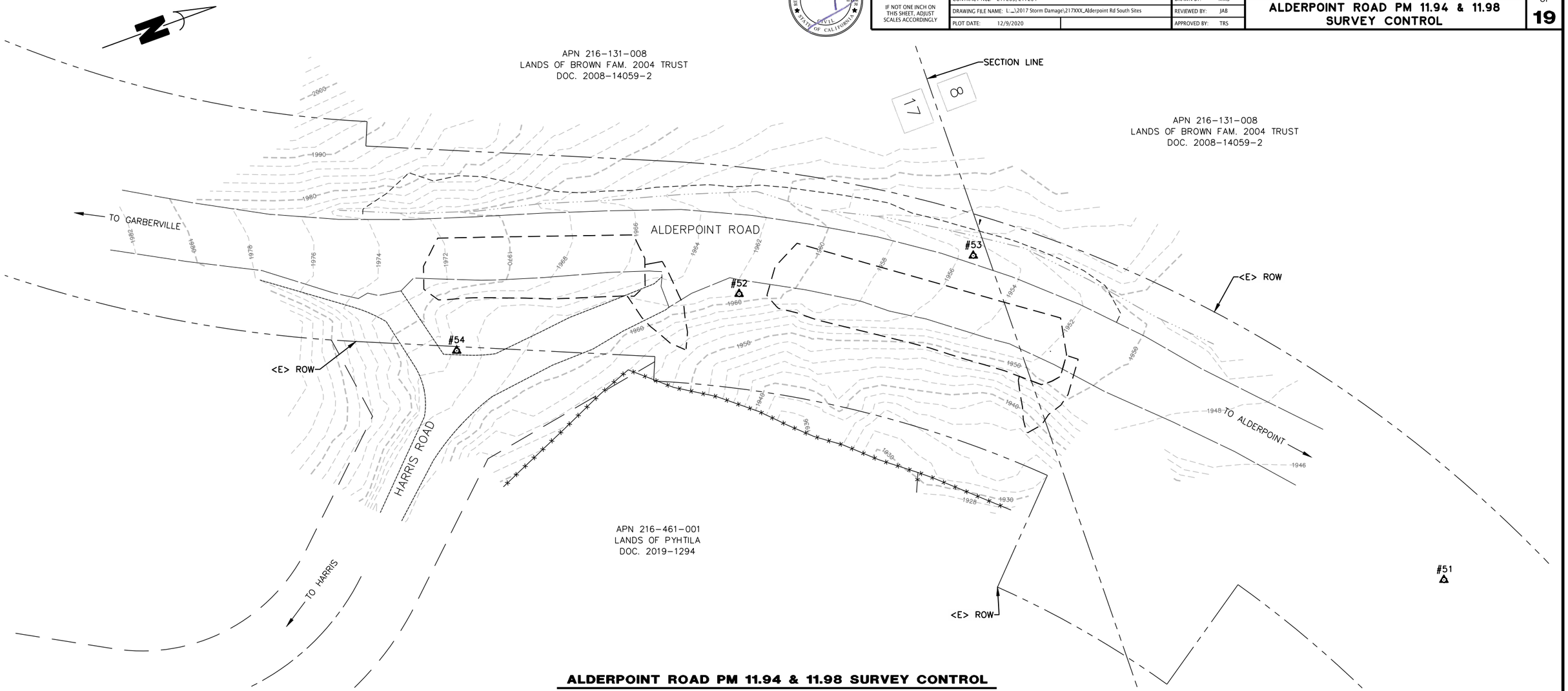




SECTION VIEWS

SCALE: 1"=10'

BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	**COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS**
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: 68165	MILE POST: 11.94, 11.98		**STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94 & 11.98**
	PROJECT NO,: ER-32LO(296), (297)		DESIGNED BY: MMS	**ALDERPOINT ROAD PM 11.94 & 11.98 SURVEY CONTROL**
	CONTRACT NO,: 217263, 217264		DRAWN BY: MMS	
	DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites		REVIEWED BY: JAB	
	PLOT DATE: 12/9/2020		APPROVED BY: TRS	SHEET 11 OF 19



ALDERPOINT ROAD PM 11.94 & 11.98 SURVEY CONTROL

Scale: 1"=20'

SURVEY CONTROL COORDINATES PM 11.94 & 11.98

Point Number	Northing	Easting	Point Elevation	Raw Description
50	1932432.4058'	6102937.3835'	1925.46'	CP_60D
51	1932112.2810'	6102582.8510'	1942.41'	CP_60D
52	1931881.4176'	6102374.4338'	1961.86'	CP_SPK
53	1931976.7566'	6102392.4627'	1955.60'	CP_SPK
54	1931764.9574'	6102356.7052'	1965.93'	CP_60D
55	1929557.1600'	6094184.6700'	2337.83'	CP_SPK
56	1929389.0800'	6094247.8500'	2304.71'	CP_SPK

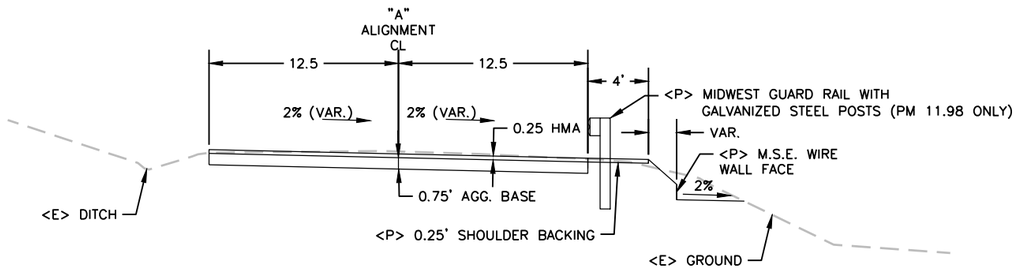
ALDERPOINT ROAD PM 11.94 & 11.98 SURVEY NOTES

1. The purpose of this survey is to determine topography for an emergency storm damage repair site at Post Miles 11.94 and 11.98 of Alderpoint Road. This survey reflects conditions at the time of survey; field work was performed September 20, 2019.

2. 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 04 minutes 24 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 0.99988329 to obtain ground distances. Mapping angle and grid scale factor are taken at control point number 51, a 60d nail in the north shoulder of the road. Elevations are NAVD 88 datum based on OPUS solution utilizing the GEOID 12B model: an elevation of 1942.41 feet was measured at the aforementioned Control Point 51.

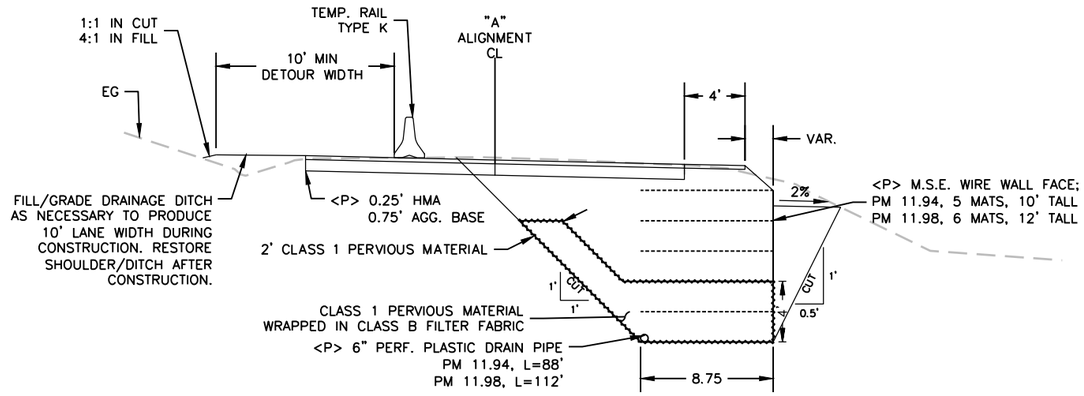
3. Contours and spot elevations were obtained by conventional survey techniques. Only trees 12 inch and bigger were located; numerous other smaller trees exist within area surveyed and are not shown. Tree locations are generally shown at breast height and are approximate due to the fact not all trees are growing vertically.

4. The right of way for Alderpoint Road shown on this survey is defined by Parcel Map No. 2377 as as centerline of Road "G" (Alderpoint Rd.). Said map is recorded in Book 21 of Parcel Maps, pages 25–36. The right of way dedicated thereon includes a maintenance easement 10 feet beyond tops of slopes and toes of slope. This survey does not attempt to define the limits of the maintenance easement. Parcel Map No. 3615 recorded in Book 36 of Parcel Maps, pages 53–55 also maps Alderpoint Right of Way ; both maps show that the deeds for County right of way per 778 O.R. 464 and 922 O.R. 493 do not fit existing road. The latter Parcel Map matches the earlier Parcel Map as to the right of way for Alderpoint as shown hereon and relationship of the O.R. documents noted above. The right of way for Harris Road are taken from Parcel Map No. 3615. Parcel Map record bearings from both maps were rotated clockwise 1°05'42" to be on grid basis noted above. Distances on said map were scaled to grid by combined scale factor noted above. Note: 10 foot Public Utility Easements were dedicated on Parcel Map No. 3615 adjacent to south side of Alderpoint right of way and on both sides of Harris Rd. right of way and are not shown hereon– see Parcel Map 3615.



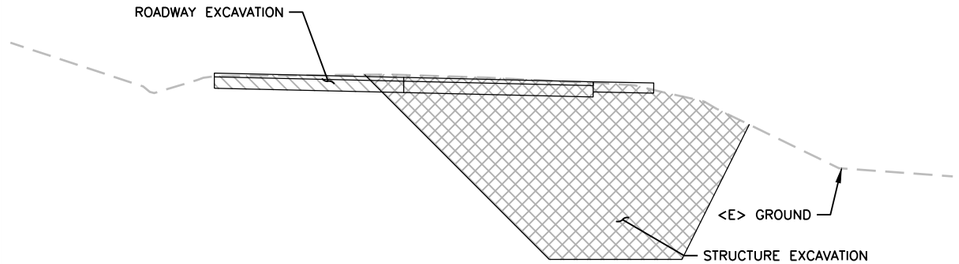
TYPICAL ROAD SECTION

SCALE: 1"=5'



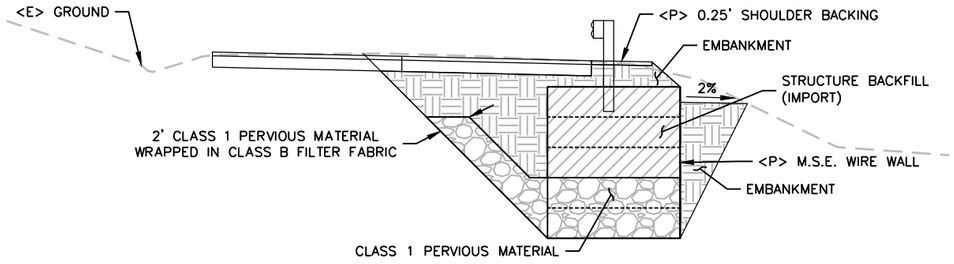
TYPICAL SECTION

SCALE: 1"=5'



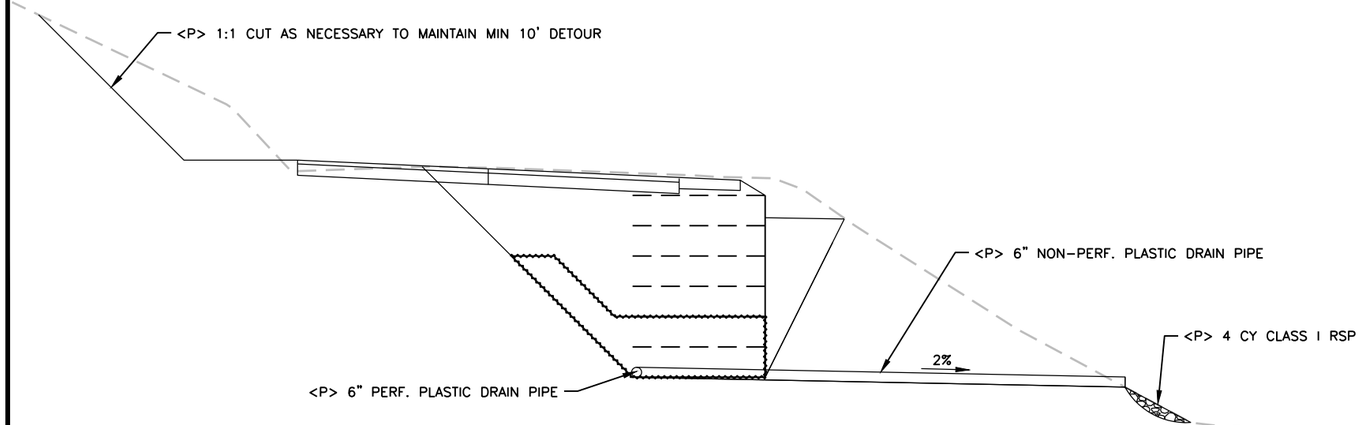
TYP. EXCAVATION SECTION

SCALE: 1"=5'



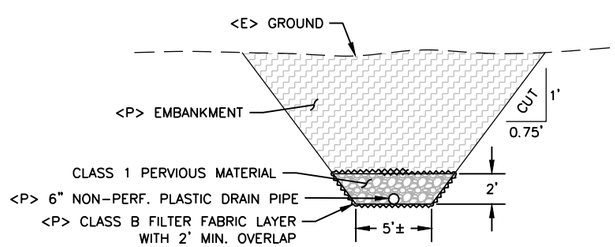
TYP. BACKFILL SECTION

SCALE: 1"=5'



ALDERPOINT ROAD PM 11.94 & 11.98 DRAINAGE SECTION

SCALE: 1"=5'



TYP. 6" UNDERDRAIN OUTLET DETAIL

SCALE: 1"=5'

BAR IS ONE INCH ON ORIGINAL DRAWING

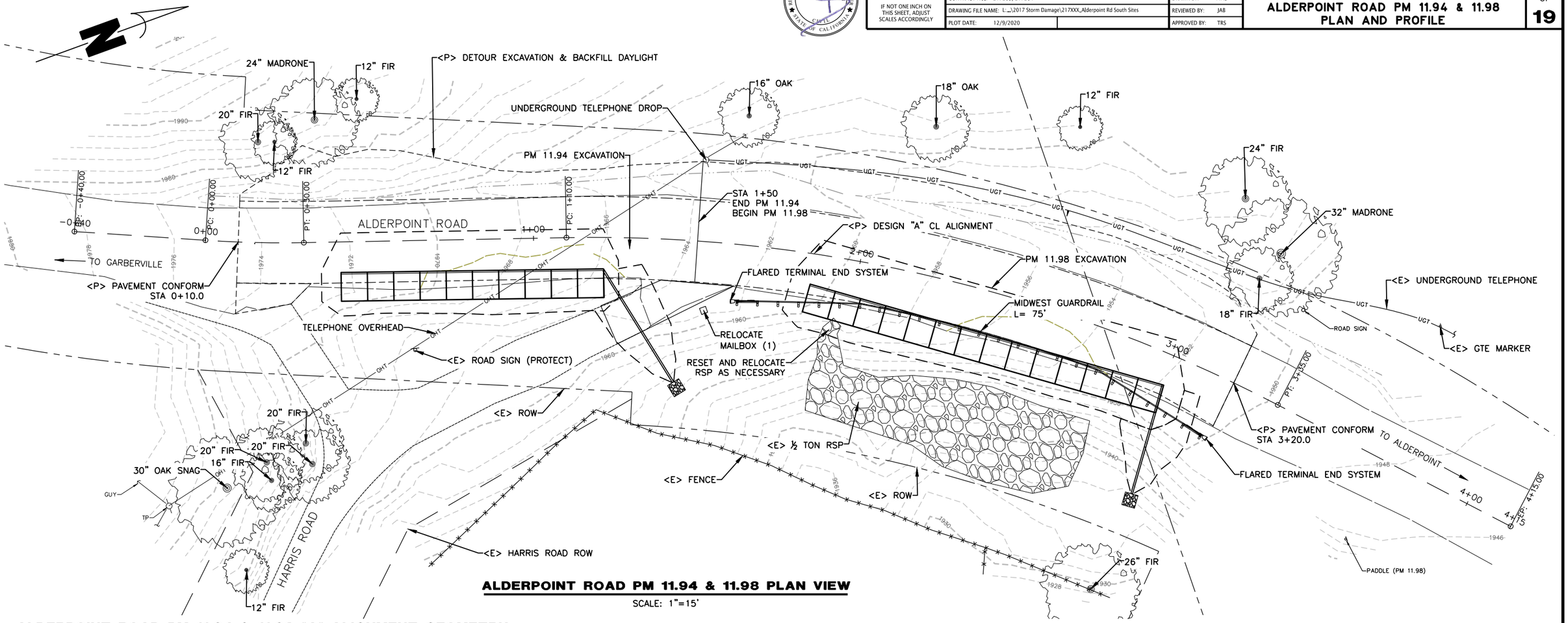
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	M&E POST: 11.94, 11.98		
PROJECT NO,: ER-32LO(296), (297)		DESIGNED BY: MMS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94 & 11.98
CONTRACT NO,: 217263, 217264		DRAWN BY: MMS	ALDERPOINT ROAD PM 11.94 & 11.98 TYPICAL SECTIONS AND DETAILS
DRAWING FILE NAME: L:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

SHEET 12 OF 19

BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD			DESIGN SECTION ENGINEERING DIVISION	**COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS**
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO: 68165	MILE POST: 11.94, 11.98		DESIGNED BY: MMS	**STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94 & 11.98**
	PROJECT NO,: ER-32LO(296), (297)			DRAWN BY: MMS	**ALDERPOINT ROAD PM 11.94 & 11.98 PLAN AND PROFILE**
	CONTRACT NO,: 217263, 217264			REVIEWED BY: JAB	
	DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites			APPROVED BY: TRS	
	PLOT DATE: 12/9/2020				

SHEET 13 OF 19

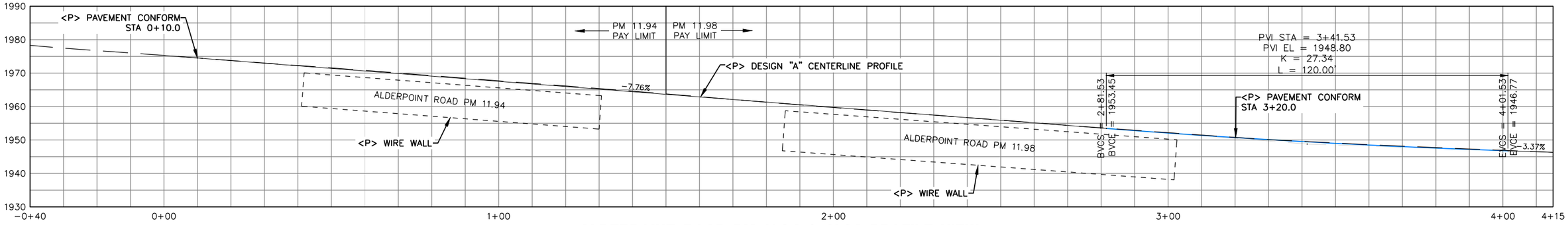


ALDERPOINT ROAD PM 11.94 & 11.98 PLAN VIEW

SCALE: 1"=15'

ALDERPOINT ROAD PM 11.94 & 11.98 "A" ALIGNMENT GEOMETRY

Segment	Type	Length	Radius	Direction	Start Station	End Station	Delta angle
L1	Line	40.00'		N23° 49' 14"E	-0+40.00'	0+00.00'	
C2	Curve	30.00'	350.00'		0+00.00'	0+30.00'	4°54'40"
L3	Line	80.00'		N18° 54' 34"E	0+30.00'	1+10.00'	
C4	Curve	225.00'	450.00'		1+10.00'	3+35.00'	28°38'52"
L5	Line	80.00'		N47° 33' 27"E	3+35.00'	4+15.00'	



ALDERPOINT ROAD PM 11.94 & 11.98 PROFILE VIEW

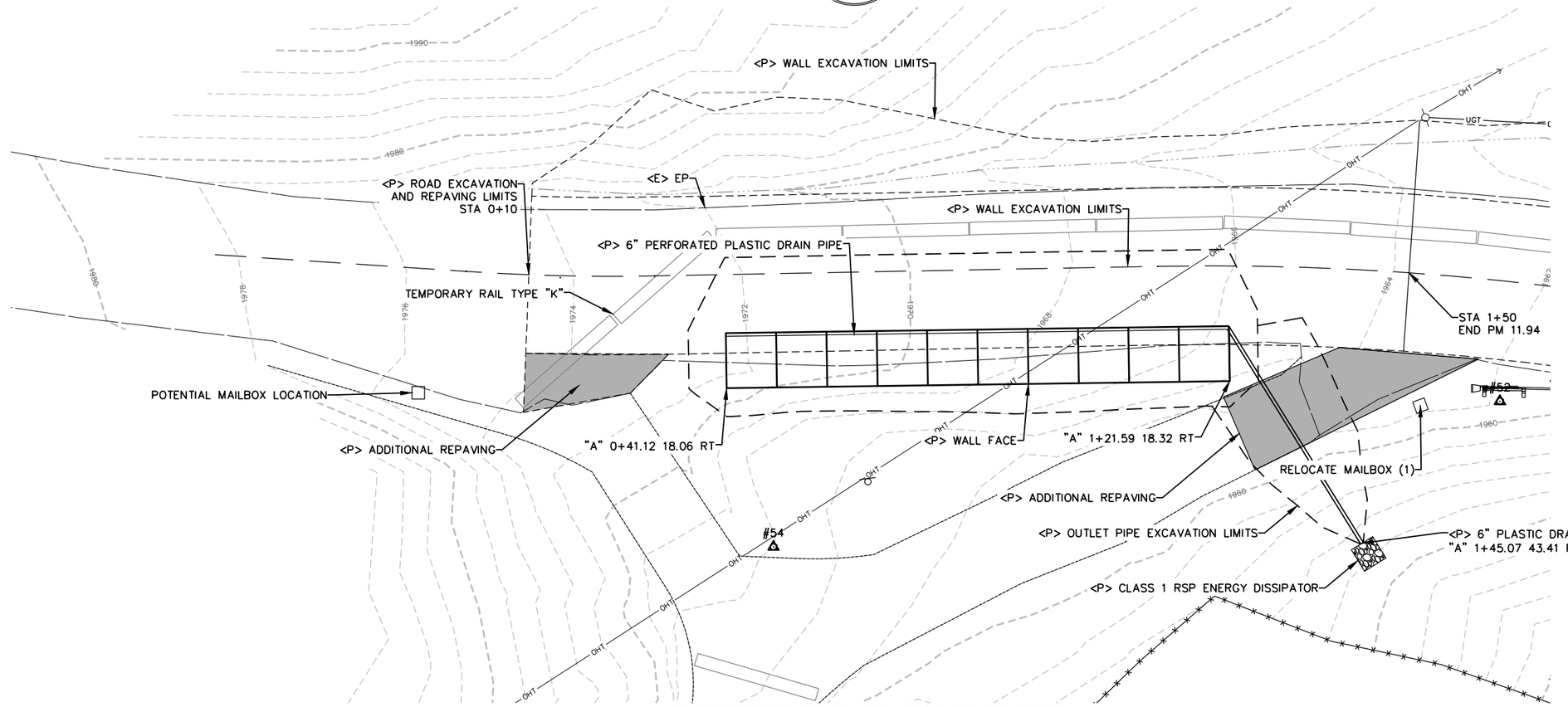
SCALE: 1"=15'

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

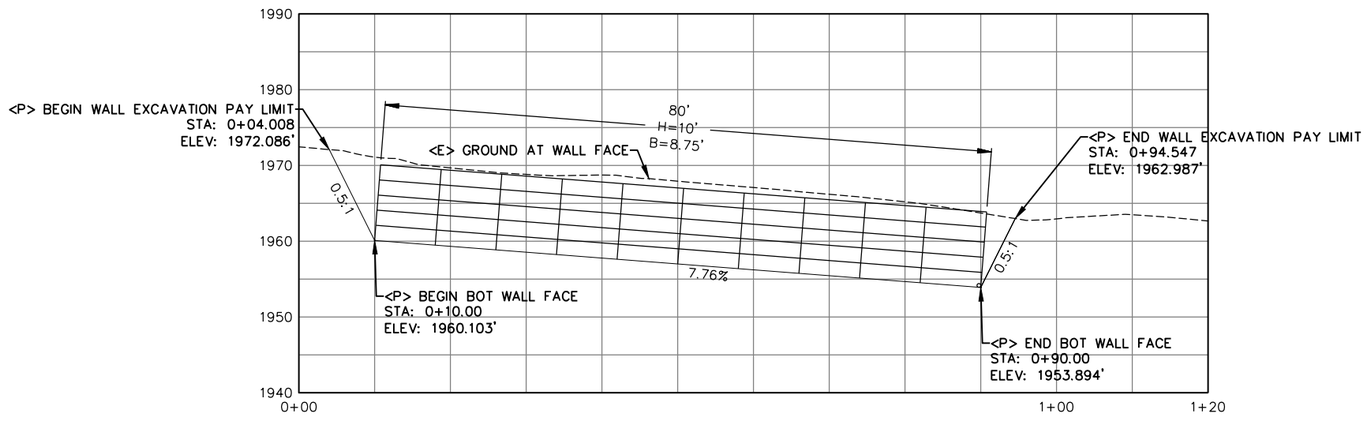
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 11.94		STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94
PROJECT NO,: ER-32LO(296)		DESIGNED BY: MMS	
CONTRACT NO,: 217263		DRAWN BY: MMS	ALDERPOINT ROAD 11.94 WALL PLAN, PROFILE, AND TYPICAL SECTIONS
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites\Design		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

SHEET 14 OF 19



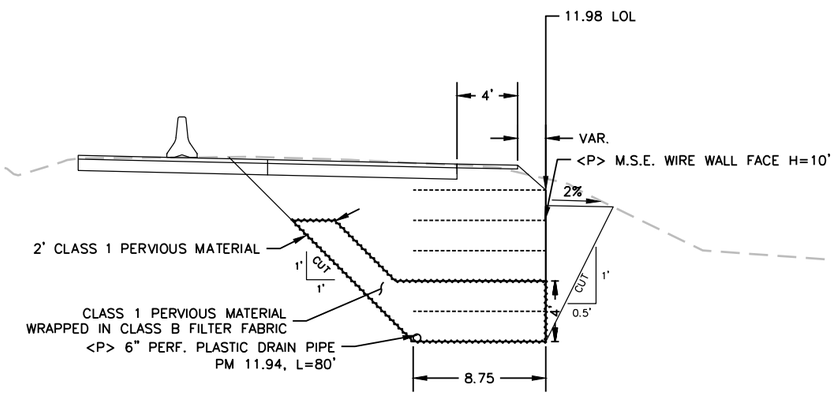
ALDERPOINT ROAD PM 11.94 PLAN VIEW

Scale: 1"=10'



ALDERPOINT ROAD PM 11.94 WALL LOL ELEVATION VIEW

Scale: 1"=10'



ALDERPOINT ROAD PM 11.94 TYPICAL SECTION

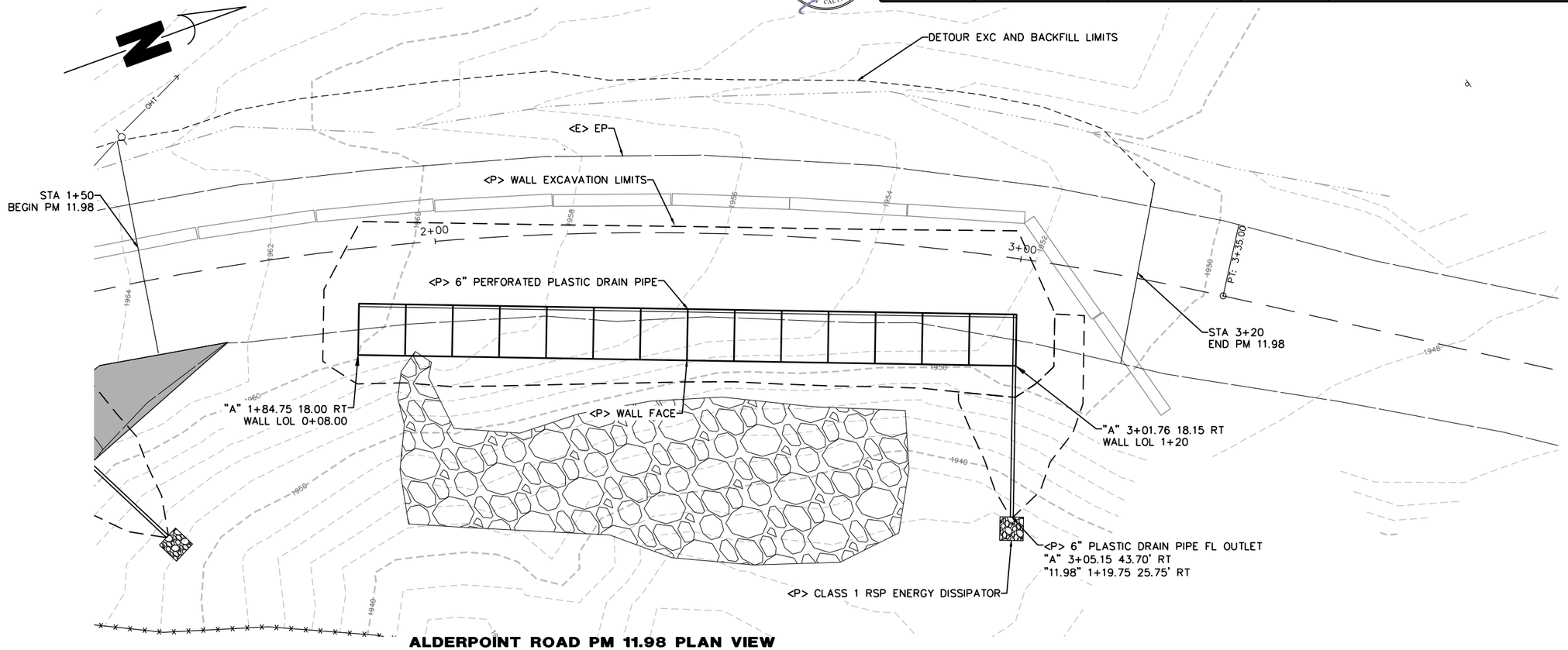
Scale: 1"=10'

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

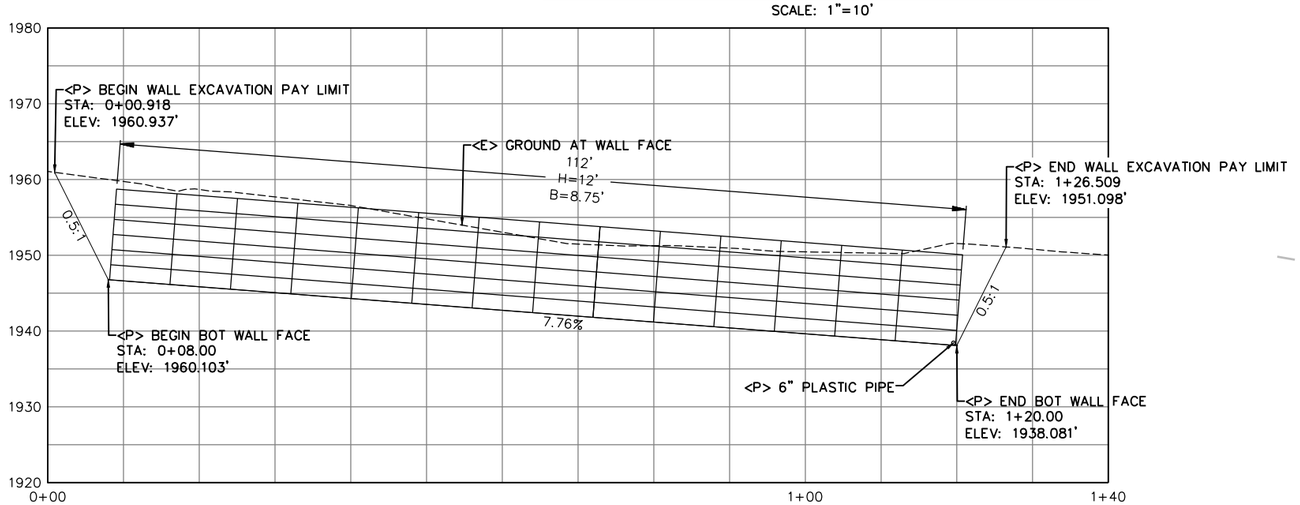
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 11.98		
PROJECT NO,: ER-32LO(297)		DESIGNED BY: MMS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.98
CONTRACT NO,: 217264		DRAWN BY: MMS	ALDERPOINT ROAD 11.98 WALL PLAN, PROFILE, AND TYPICAL SECTIONS
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites\Design		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

SHEET 15 OF 19



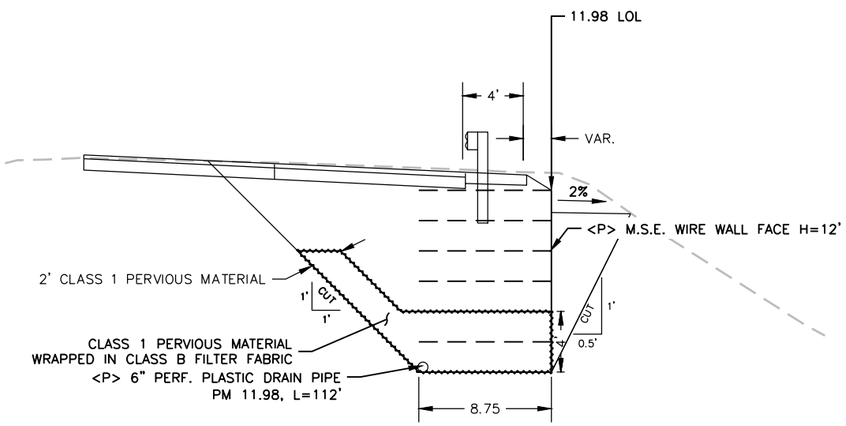
ALDERPOINT ROAD PM 11.98 PLAN VIEW

SCALE: 1"=10'



ALDERPOINT ROAD PM 11.98 WALL LOL ELEVATION VIEW

SCALE: 1"=10'



ALDERPOINT ROAD PM 11.98 TYPICAL SECTION

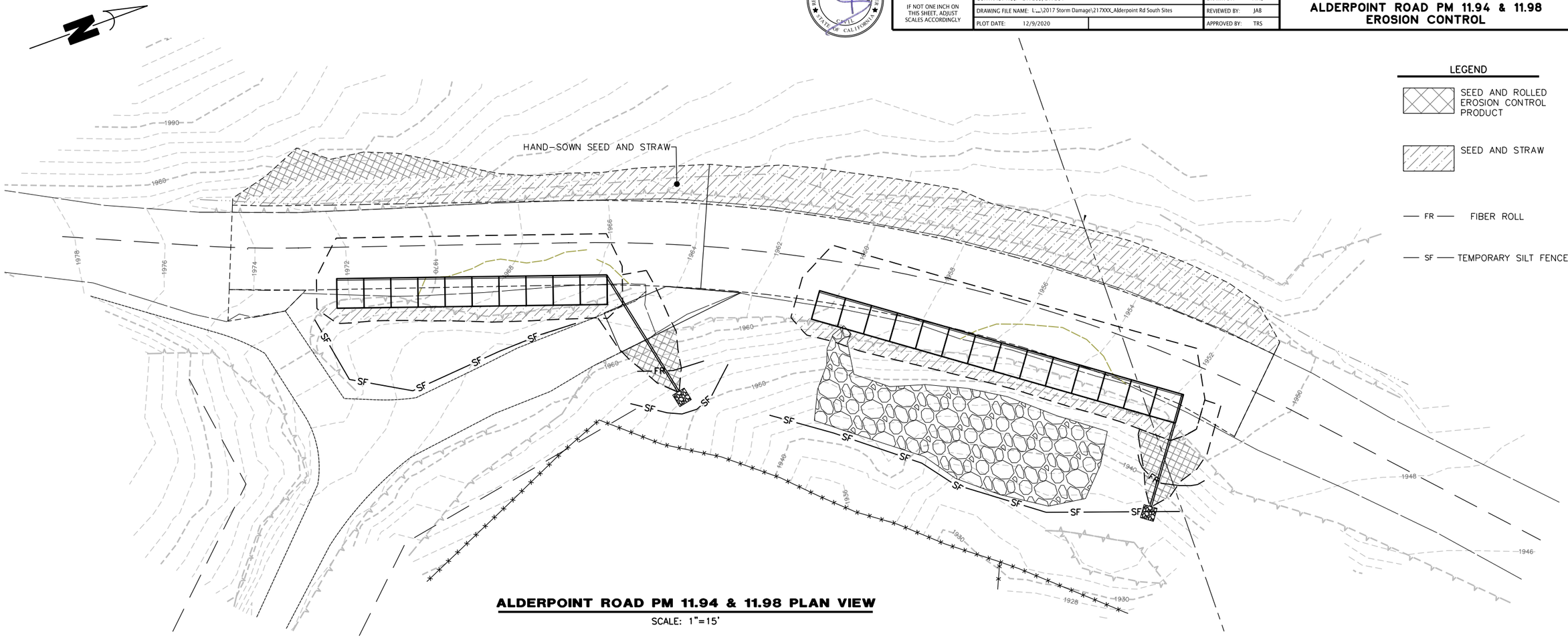
SCALE: 1"=10'

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 11.94, 11.98		
PROJECT NO.: ER-32LO(296), (297)		DESIGNED BY: MMS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94 & 11.98
CONTRACT NO.: 217263, 217264		DRAWN BY: MMS	ALDERPOINT ROAD PM 11.94 & 11.98 EROSION CONTROL
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

SHEET 16 OF 19

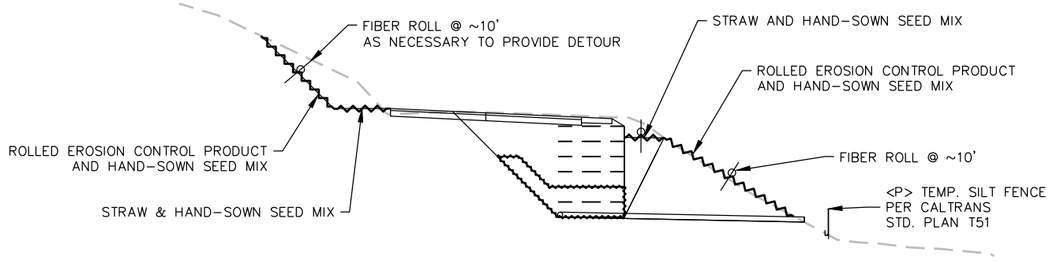


LEGEND

- SEED AND ROLLED EROSION CONTROL PRODUCT
- SEED AND STRAW
- FR — FIBER ROLL
- SF — TEMPORARY SILT FENCE

ALDERPOINT ROAD PM 11.94 & 11.98 PLAN VIEW

SCALE: 1"=15'



ALDERPOINT ROAD PM 11.94 & 11.98 EROSION CONTROL AND DRAINAGE SECTION

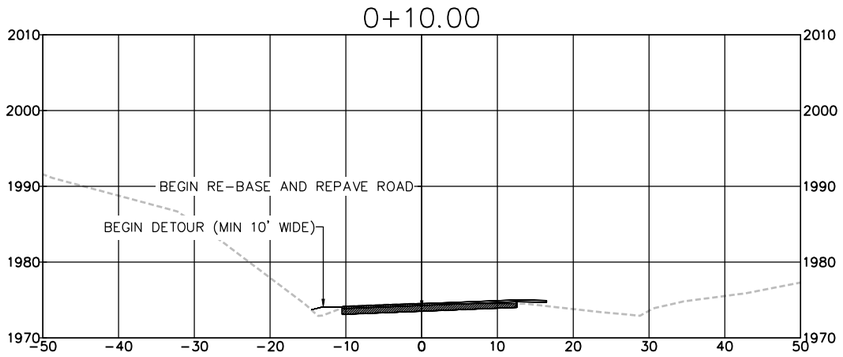
SCALE: 1"=5'

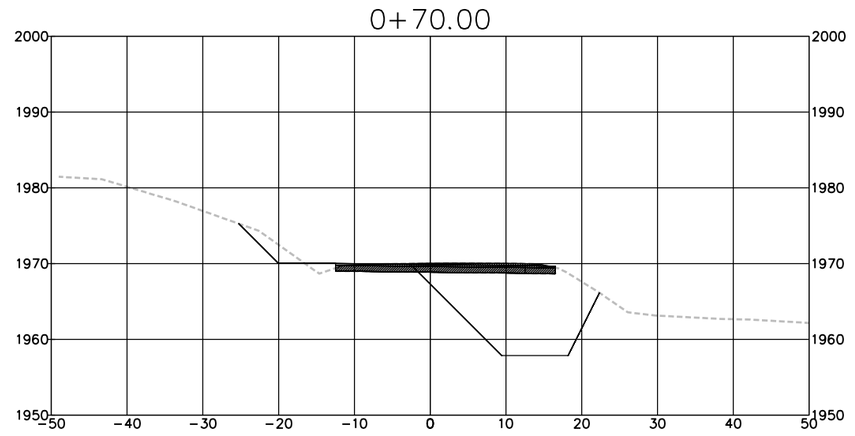
BAR IS ONE INCH ON ORIGINAL DRAWING

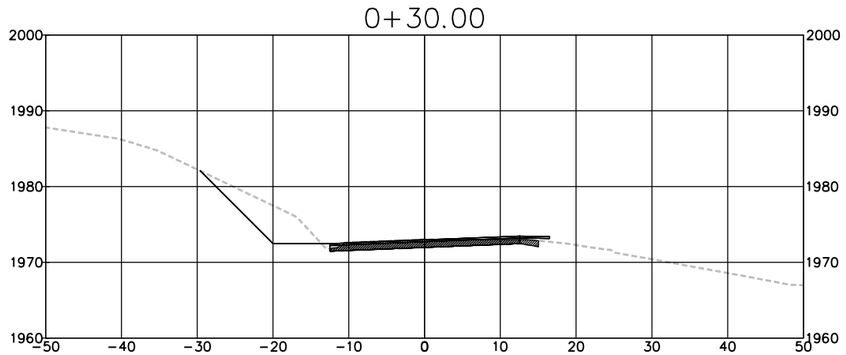
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

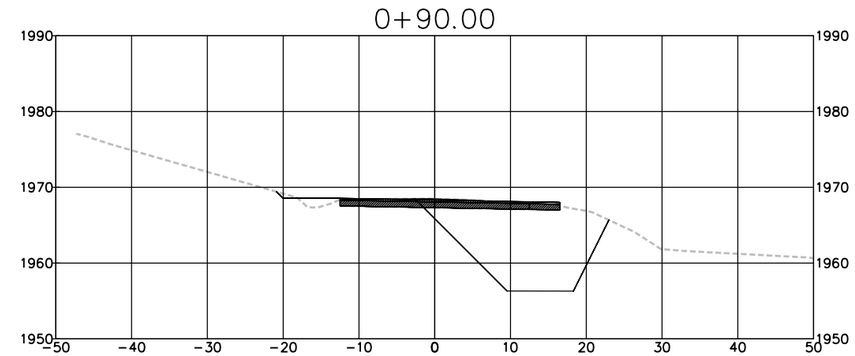
ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 11.94, 11.98		
PROJECT NO,: ER-32LO(296), (297)		DESIGNED BY: MMS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94 & 11.98
CONTRACT NO,: 217263, 217264		DRAWN BY: MMS	ALDERPOINT ROAD PM 11.94 & 11.98 SECTION VIEWS (0+10 TO 1+00)
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites\Design		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

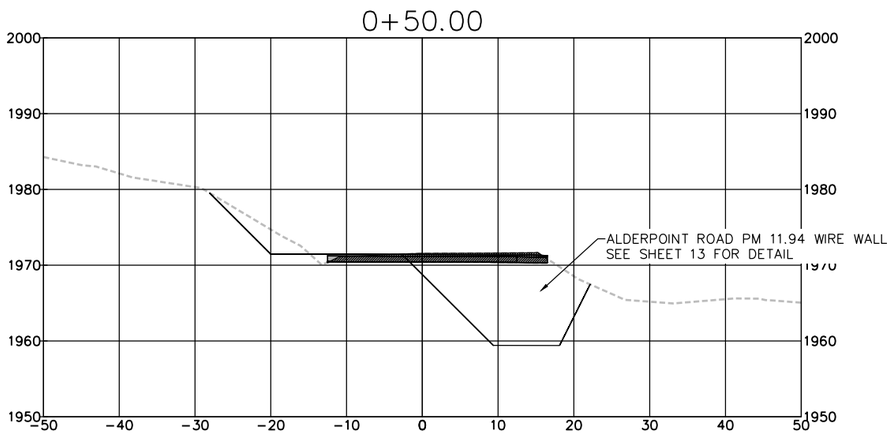
SHEET 17 OF 19

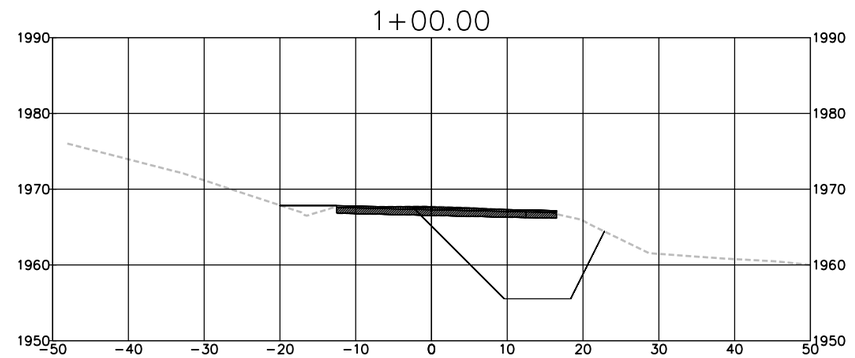












SECTION VIEWS

SCALE: 1"=10'

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION ENGINEERING DIVISION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
ROAD NO: 68165	MILE POST: 11.94, 11.98		
PROJECT NO,: ER-32LO(296), (297)		DESIGNED BY: MMS	STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 11.94 & 11.98
CONTRACT NO,: 217263, 217264		DRAWN BY: MMS	ALDERPOINT ROAD PM 11.94 & 11.98 SECTION VIEWS (1+10 TO 2+00)
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites\Design		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

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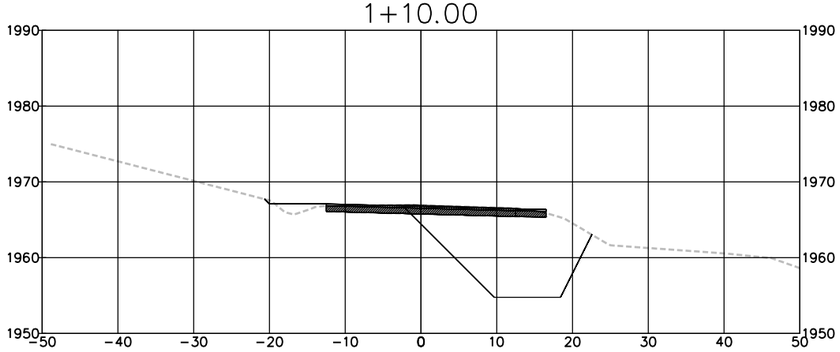
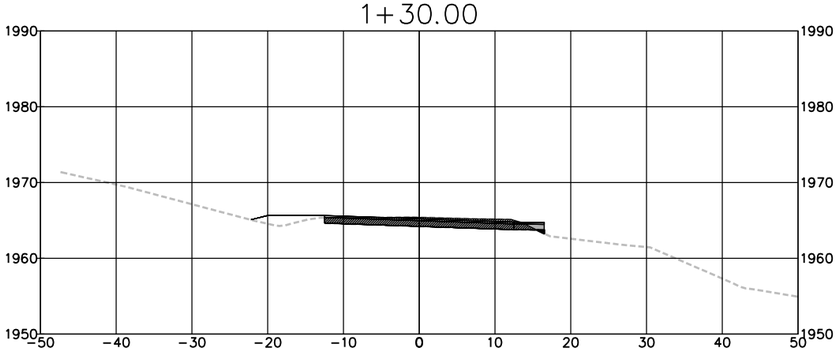
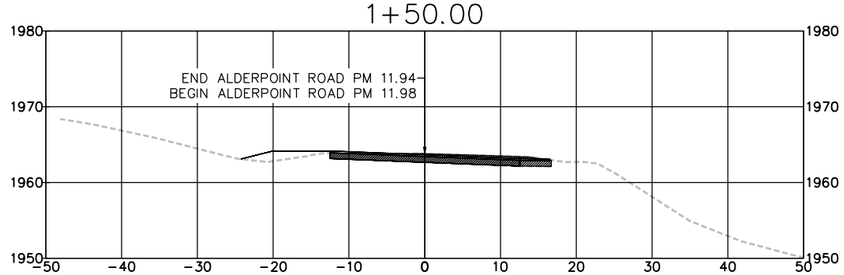
1+10.00



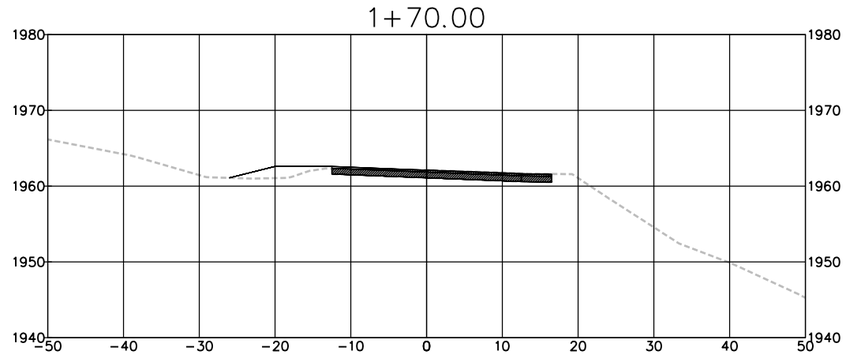
1+30.00



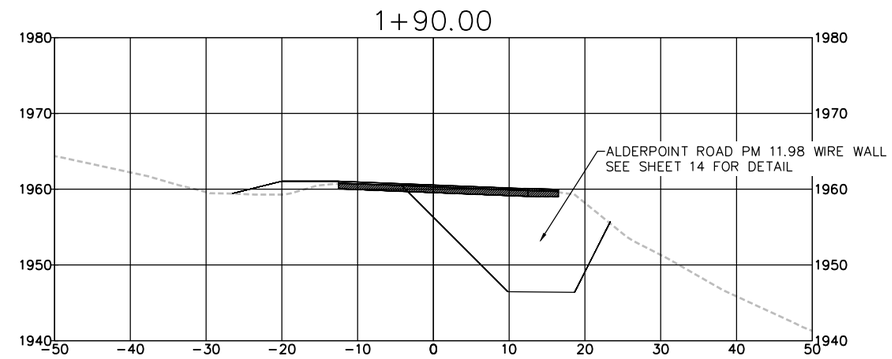
1+50.00



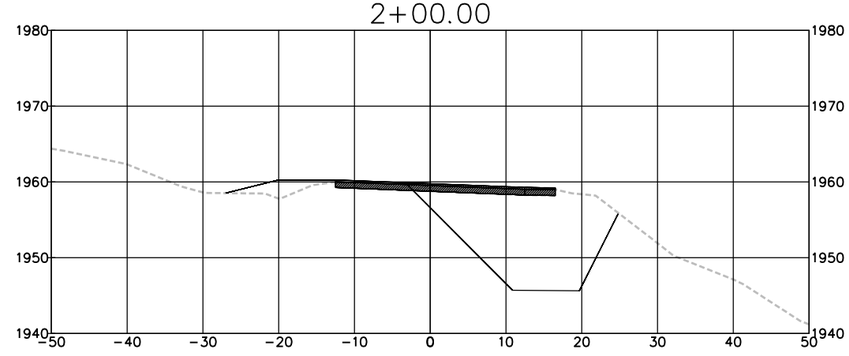
1+70.00



1+90.00

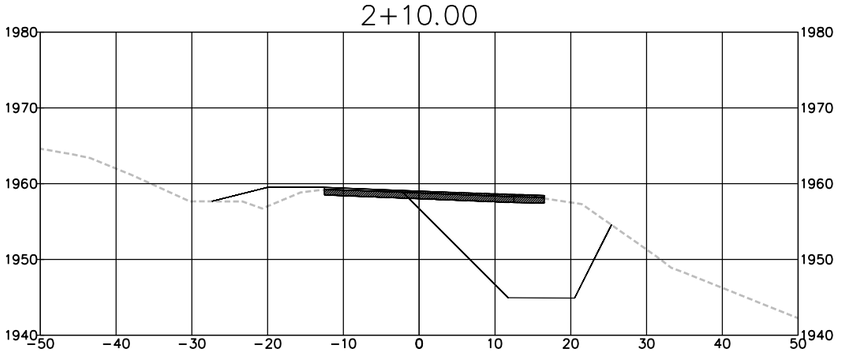


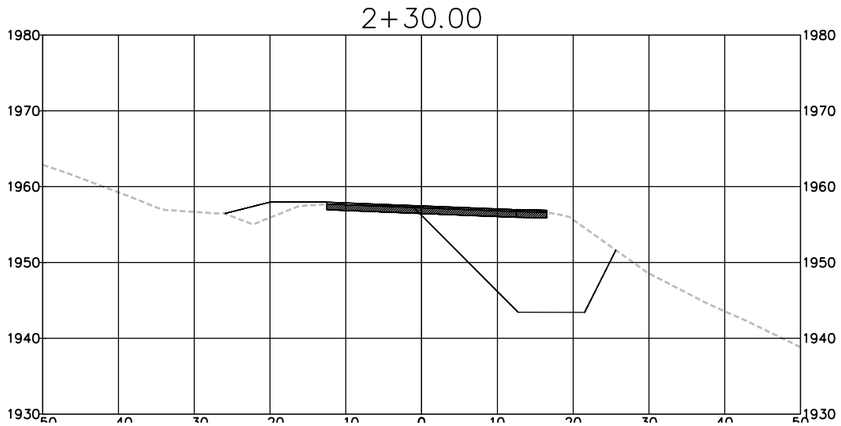
2+00.00

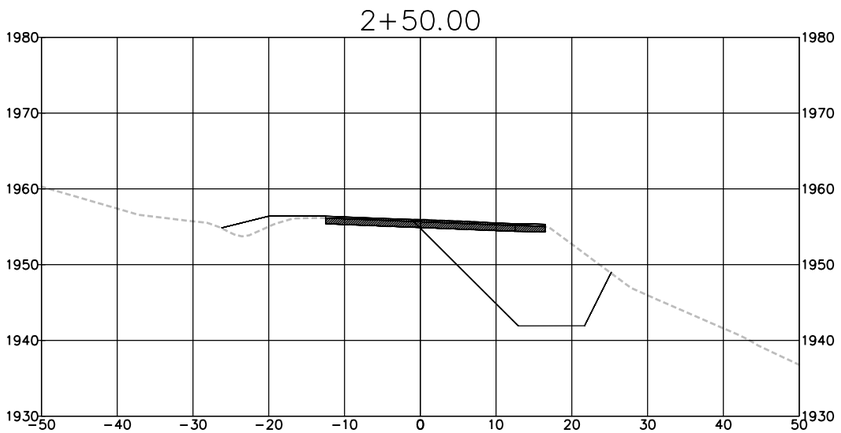


SECTION VIEWS

SCALE: 1"=10'

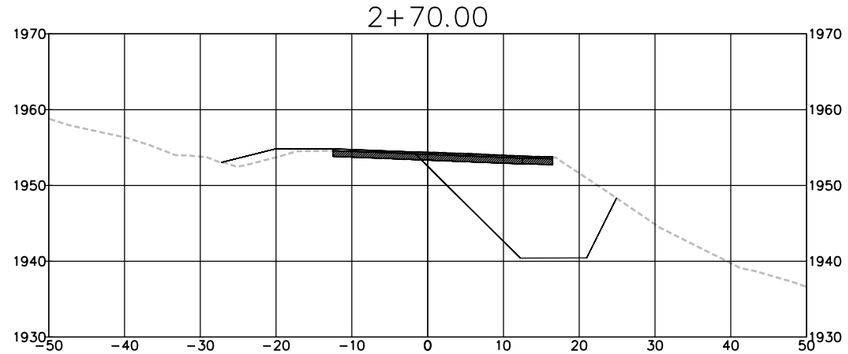


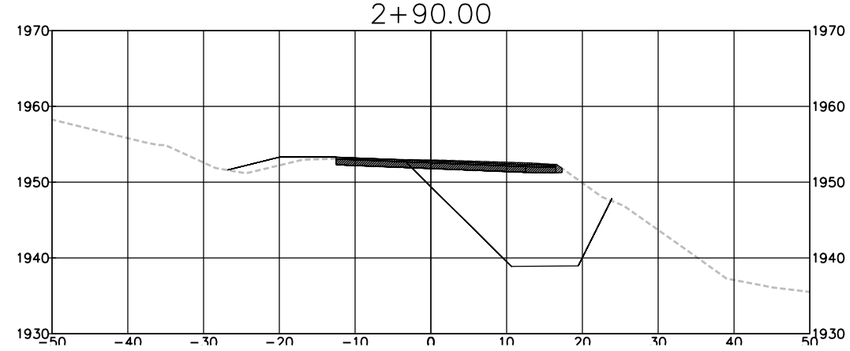


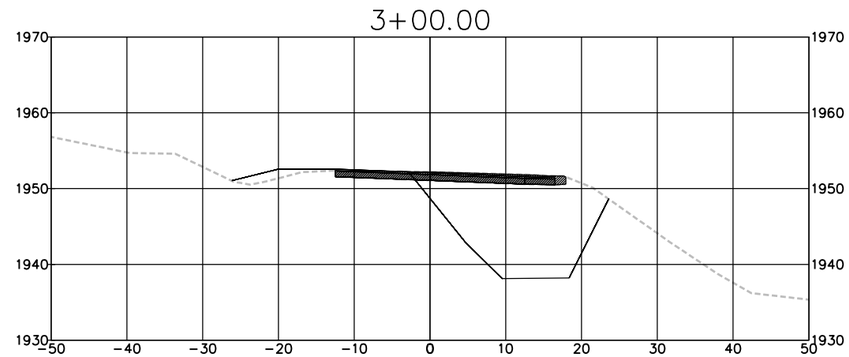


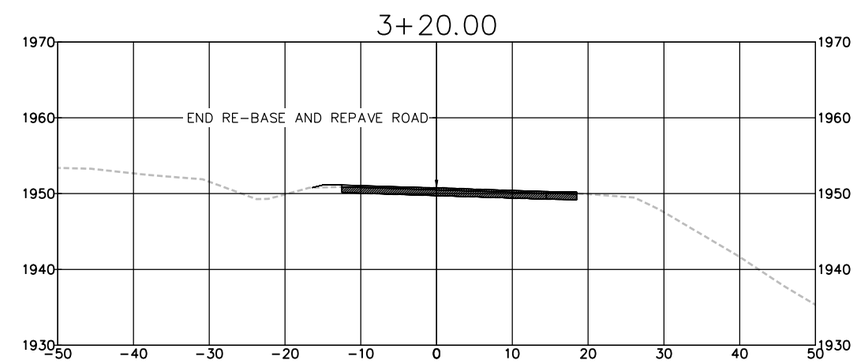
SECTION VIEWS

SCALE: 1"=10'









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PROJECT NO,: ER-32LO(296), (297)		DESIGNED BY: MMS	ALDERPOINT ROAD PM 11.94 & 11.98 SECTION VIEWS (0+10 TO 1+00)
CONTRACT NO,: 217263, 217264		DRAWN BY: MMS	
DRAWING FILE NAME: I:...\2017 Storm Damage\217XXX_Alderpoint Rd South Sites\Design		REVIEWED BY: JAB	
PLOT DATE: 12/9/2020		APPROVED BY: TRS	

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