	ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT		
BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NO: 68165	MILE POST: 41.45, 43.55, 46.15, 46.23		DEPARTMENT OF PUBLIC WORKS	SHE	
ONIGHTE BRANKS	PROJECT NO: ER-32LO(122), (282), (283), (152)		DESIGNED BY: NMS JAB	STORM DAMAGE REPAIR TO ALDERPOINT RD PM 41.45, 43.55, 46.15, 46.23		
	NE INCH ON DRAWING FILE NAME: L:\2017 Storm Damage\217XXX_Alderpoint Rd North Sites		DRAWN BY: MINS MOL JAB		OF	
			REVIEWED BY: JAB	COVER SHEET,		
CALES ACCORDINGLY	PLOT DATE: 5/4/2020	REVISION DATE:	APPROVED BY: TRS	SHEET INDEX AND MAPS	I	
					$\overline{}$	

### FUNDING SOURCE

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



COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

STORM DAMAGE REPAIR TO
ALDERPOINT RD [6B165] AT
PM 41.45, 43.55, 46.15, AND 46.23
PROJECT NO. ER-32L0[122], [282], [283], [152]
CONTRACT NO. 217229, 217230, 217232, 217265

# DEL NORTE CO. NORTH 1-10± MI. ORIEANS 100 ORIEANS 100

SCALE: 1"=10± MILE

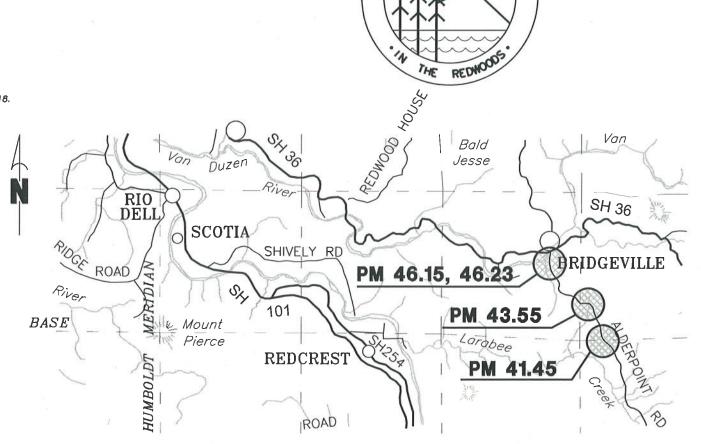
# INDEX OF SHEETS

- 1 COVER SHEET, SHEET INDEX, AND MAPS
- 2 SITE PLAN, QUANTITIES, AND DETAILS
- 3 SURVEY AND CONTROL
- 4 ALDERPOINT ROAD PM 41.45
- 5-7 ALDERPOINT ROAD PM 43.55
- 8 ALDERPOINT ROAD PM 46.15
- 9-10 ALDERPOINT ROAD PM 46.23

### 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)



RECOMMENDED

JEFFREY A BALL ROE 70631 EXP 6/30/2021

5-6-2020 DATE



**APPROVED** 

TONY R. SEGHETTI RCE 63719, EXP. 9/30/2020

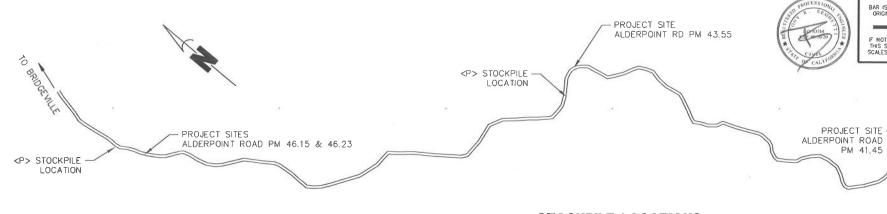
S/G/ZO



PROJECT VICINITY MAP

SCALE: ±1" = 1/3 MILES

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



PLOT DATE: 5/4/2020

1) S
F
2) S
TO ALDERPOINT
3) IF
4) IF

ROAD NAME: ALDERPOINT ROAD

ROJECT NO.: ER-32LO(122), (282), (283), (152)

ONTRACT NO.: 217229, 217230, 217232, 217265

WNG FILE NAME: L:...\2017 Storm Damage\Alderpoint 43.55.dwg

OAD NO: 68165

STOCKPILE LOCATION STOCKPILE NOTES- STD PLAN T53

DESIGN SECTION ENGINEERING

DESIGNED BY: MINIS

DRAWN BY: MM'S

REVIEWED BY: JAB

APPROVED BY: TRS

 SHALL HAVE STRAW WADDLES, HAY BALES AND OR SILT FENCE AROUND STOCKPILE (SILT FENCE DETAIL SHOWN).

 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.

 IF TEMPORARY CULVERTS ARE INSTALLED, THE DITCH LINE SHALL BE RECONSTRUCTED AT THE END OF THE PROJECT.

STOCKPILE LOCATIONS HAVE BEEN APPROVED BY PUBLIC WORKS AS DETAILED IN THE ENVIRONMENTAL REPORT. ALTERNATIVE SITES MAY BE APPROVED THROUGH PUBLIC WORKS IN WRITING.

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

STORM DAMAGE REPAIR TO ALDERPOINT RD PM 41.45, 43.55, 46.15, 46.23

TRAFFIC CONTROL, STAGING, AND QUANTITIES

SHEET

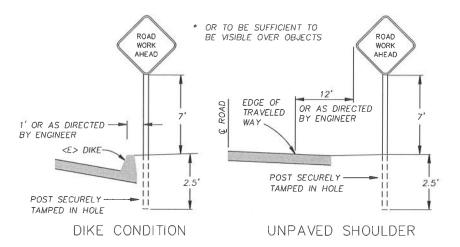
2

OF

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## STOCKPILE LOCATIONS

NOT TO SCALE

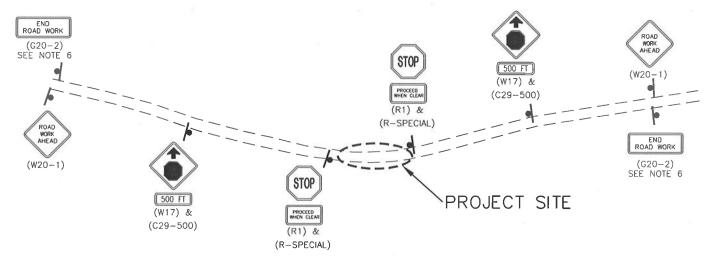


### **RURAL CONSTRUCTION AREA SIGN**

- NOT TO SCALE -

# NOTES

- 1) SIGNS SHALL BE PLACED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- 2) FINAL PLACEMENT OF SIGNS SHALL BE APPROVED BY RESIDENT ENGINEER.
- 3) ADDITIONAL PORTABLE SIGNS SHALL BE USED AS REQUIRED FOR OTHER ROADSIDE WORK.
- 4) SEE STANDARD PLAN T13 FOR TRAFFIC CONTROL SYSTEM.
- 5) IN ADDITION TO CONSTRUCTION AREA SIGNS AND WHEN DIRECTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGMEN AS NECESSARY TO DIRECT TRAFFIC.
- 6) DISTANCE TO W20-1 AND G20-2 MAY BE EXTENDED TO ENCOMPASS SITES WITHIN ONE MILE OF EACH OTHER.



### TYPICAL TRAFFIC CONTROL PLAN

SCALE: NTS

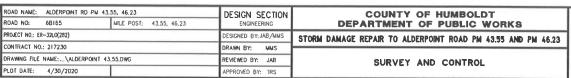
# QUANTITIES

MILE POST: 41,45, 43,55, 46,15, 46,1

ITEM NO.	TEM CODE TEM DESCRIPTION		TTEM DESCRIPTION	UNIT	41.45	43.55	46.15	46.23	TOTAL
1	120090	Π	Construction Area Signs	EA	8	8	4	4	24
2	120100		Traffic Control System	LS	0.25	0.25	0.25	0.25	1
3	129000		Temporary Railing (Type K)	LF	80	0	0	80	160
4	130100		Job Site Management	LS	0.25	0.25	0.25	0.25	1
5	130200		Perpare Water Pollution Contol Program	LS	0.25	0.25	0.25	0.25	1
6	130640		Temporary Fiber Rolls	LF	100	340	0	100	540
7	130680		Temporary Silt Fence	LF	100	100	0	100	300
8	170103		Clearing and Grubbing	LS	0.25	0.25	0.25	0.25	1
9	190101	F	Roadway Excavation	CY	0	440	330	0	770
10	192001	F	Structure Excavation	CY	160	0	0	303	463
11	198050	F	Embankment	CY	19	10	210	133	372
12	198250		Geosynthetic Reinforcement	SQYD	0	450	780	0	1,230
13	210212		Dry Seed	SQFT	500	3,500	540	500	5,040
14	210420		Straw	SQFT	500	3,500	540	500	5,040
15	260203	F	Class 2 Aggregate Base	CY	8	189	90	26	313
16	390132		Hot Mix Asphalt (Type A)	TON	6	77	60	20	163
17	394073		Place Hot Mix Asphalt Dike (Type A)	LF	0	0	0	85	85
18	641107		18" Plastic Pipe (HDPE)	LF	0	25	0	0	25
19	680902		6" Perforated Plastic Pipe Underdrain	LF	0	0	90	0	90
20	680903		6" Non-Perforated Plastic Pipe Underdrain	LF	0	0	45	0	45
21	721017	F	Rock Slope Portection (Facing, Method B)	CY	0	10	0	0	10
22	721030		Rock Slope Protection (1/2 Ton, Method B)	CY	100	0	0	25	125
23	723095		Rock Slope Protection (20 lb, Class I, Method B)	CY	30	0	-0	0	30
24	722020		Gabion (6'x6'x3')	CY	0	0	0	168	168
25	729011		Rock Slope Protection Fabric (Class 8)	SQYD	87	0	0	112	199
26	820108		Delineator (Class 2)	EA	0	0	0	5	5
27	839600		Crash Cushion	EA	0	2	0	0	2
28	840501		Thermoplastic Traffic Stripe	LF	0	170	130	50	350
29	999990		Mobilization	LS	0.25	0.25	0.25	0.25	1

### CONSTRUCTION AREA SIGN SUMMARY

SIGN CODE	QTY	SIGN MESSAGE	PANEL SIZE	NUMBER & POST SIZE
W20-1	6	ROAD WORK AHEAD	36" × 36"	(1) 4" x 4"
W17 C29	6	STOP AHEAD 500 FT	36" × 36" 29" × 9"	(1) 4" x 4"
R1 R-SPECIAL	6	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"



SHEET

3

OF

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	APN: 208-121-010 OWNER: BARNWELL	BURP CREEK		ROAD NAME: ALD ROAD NO: GOAD NO: GOAD ROAD NO: GOAT ROAD N
1,100		CP#40 3+00 3+50 4+00  CP#39 <e> ROW</e>	CP#41 4+50 CP#42	CP#5
0.00 CP#31	APN: 208-121-009 OWNER: BARNWELL			

onn Number	Indining	Lusining	Point Elevation	INOW Description
5	9818,9690'	10279.8280	1188,51*	SETcppkhumcowasher
6	9637,3710'	10249,5310	1196.58'	SETcppipe
31	10034,4460'	9841,0510'	1177.53	SETcppipe
37	10025.4450'	9964.4360'	1166.41	SET.80D&SHNR
39	9946.3940'	10109,2690'	1170,85	FD.OLD17
40	9966.1940'	10126.7650	1172,83	FD.OLD18
41	9910.1470	10180.6980'	1175,76	FD.OLD19
42	9889.9640	10162.9620	1173.40	FD.OLD20

SURVEY CONTROL COORDINATES PM 43,55

### ALDERPOINT RD PM 43.55 SURVEY NOTES

CP#6 -

- BEARINGS AND ELEVATIONS SHOWN HEREON ARE BASED TIES BETWEEN FOUND CONTROL POINT 5 & 6
   BEING S09'28'20"W PER TOPOGRAPHIC SURVEY COMPLETED IN 2007, PROJECT NUMBER 206381 WHICH WAS ORIGINALLY ESTABLISHED PER PREVIOUS PROJECT NUMBER 980014.
- THE RIGHT OF WAY IS NOT SHOWN ON THIS MAP AND HAS BEEN PREVIOUSLY ESTABLISHED BY THE TOPOGRAPHIC SURVEY COMPLETED IN JULY 2004 PROJECT # 980014. THE RIGHT OF WAY NOTE FOR THAT MAP STATES, ".. BASED ON BOOK 523, PAGE 82 HUMBOLDT COUNTY OFFICIAL RECORDS HOLDING THE EXISTING CL TIES FOR A BEST FIT AT CL STATION 190+73.94 AT BURR CREEK BRIDGE".
- THE CONCRETE NIALS ON THE BRIDGE AT 39, 40, 41 & 42 WERE FOUND FROM THE 2007 SURVEY AND TIED. THE CONCRETE NAILS AT 14 & 15 WERE NOT FOUND. THESE CAN BE USED TO SHOW IF THERE HAS BEEN ANY BRIDGE MOVEMENT BETWEEN THIS SURVEY DATED 9/20/19 AND THE SURVEY COMPLETED IN 2007. CONTROL POINT 14 WAS NOT FOUND.
- RIGHT OF WAY: DETERMINED BY COUNTY SURVEY CREW PROJECT #206381 (110' CENTERED ON EXISTING ROAD CL)

<e> PRIVATE ROAD</e>		
1+00 2+ 1-00 L1	3+00 CP#53 APN 207-185-002 LANDS OF BARNIMELL	5+00 L4 CP#51 CP#50

33.8607 (d)

**ALDERPOINT RD PM 43.55 SURVEY PLAN VIEW** 

SCALE: 1"=30'

SURVEY CONTROL COORDINATES PM 46.23						
Point Number	Northing	Easting	Point Elevation	Raw Description		
50	2055408.8030'	6059601.3260'	940.24	CP_NAIL_SHINER		
51	2055489.5501'	6059603.5191	934.80'	CP_MAG&SHINER		
52	2055627.0565*	6059613.6254'	928.21	CP_SPIKE		
53	2055691.7676	6059630.5658	924.60	CP_SPK		
54	2055722.3340'	6059621,4310	922.49	CP_SPK		

### ALDERPOINT RD PM 46.23 SURVEY NOTES

- 1. THIS SURVEY REFLECTS CONDITIONS AT THE TIME OF SURVEY; FIELD WORK WAS PERFORMED AUGUST 29 AND SEPTEMBER 3, 2019. COORDINATES FOR THIS SURVEY ARE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE 1, NAD 83 (2011), EPOCH 2010.0 BASED ON A STATIC GPS CONTROL SURVEY USING THE NGS OPUS POST PROCESSING SOFTWARE. THE CONTROL POINT IDENTIFIED AS POINT 50 WAS HELD FOR HORIZONTAL POSITIONS SHOWN HEREON. THE MAPPING ANGLE IS 1 DEGREE 10 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 0.99987585 TO OBTAIN GROUND DISTANCES. MAPPING ANGLE AND GRID SCALE FACTOR ARE TAKEN AT CONTROL POINT NUMBER 50, A NAIL AND SHINER, IN THE WEST SHOULDER OF THE ROAD. ELEVATIONS ARE NAVD 88 DATUM BASED ON OPUS SOLUTION UTILIZING THE GEOID 12B MODEL: AN ELEVATION OF 940.24 FEET WAS MEASURED AT THE AFOREMENTIONED CONTROL POINT 50.
- 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.

Segment	Length	Radius	Direction	Slart Station	End Station	Delta angle
L1	59.97'		S12° 20' 59"E	0+00.00	0+59.97	
L2	274.71	615.00		0+59.97	3+34.68	25.5928 (d)
L3	72.83'		S13° 14' 35"W	3+34.68	4+07.50	

S20° 37' 03"E

4+07.50

5+90.71

5+90.71

6+10.63

ALDERPOINT ROAD PM 46.23 "L" ALIGNMENT GEOMETRY

ALDERPOINT ROAD PM 43.55 "A" ALIGNMENT GEOMETRY

End Station

063,8073 (d)

Start Station

-0+00.00

Radius

500.00'

183.20

310.00

ALDERPOINT RD PM 46.23 SURVEY PLAN VIEW

SCALE: 1"=30'

# NOTES

208-134-004 LANDS OF BRIGHTMAN 41500

- TYPICAL SECTIONS ARE BASED ON AERIAL SURVEY DONE IN 2005, ALL DAMAGE AREA SHOWN IS ESTIMATED BY DROPPING THE DAMAGED SHOULDER AND EMBANKMENT SURFACE BY 5'
- ROW CONSISTS OF 25' FROM BOTH SIDES OF THE CENTERLINE (ROAD REGISTER PG. 129 NO. 118).
   IF EXCAVATION EXTENDS BEYOND THE ROAD REGISTER RIGHT OF WAY, THE COUNTY WILL CLAIM THE LAND TO THE START OF THE PROPERTY FENCE LINE UNDER IMPLIED COMMON LAW DEDICATION AS NECESSARY FOR MAINTENANCE.
- CONTRACTOR MUST VERIFY FIELD MEASUREMENTS AND CONDITIONS

208-134-001 LANDS OF DUNN DIAMOND D RANCH LLC



Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, which i	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION		
R IS ONE INCH ON RIGINAL DRAWING	ROAD NO: F6B165	MILE POST: 41,45	ENGREERING	
	PROJECT NO.:ER-32LO(122)		DESIGNED BY:	MMS
NOT ONE INCH ON S SHEET, ADJUST	CONTRACT NO.: 217229		DRAWN BY:	MMS
	DRAWING FILE NAME: L: \2017 Storm Dom	oge\Rohnerville\Alderpoint PM 41,45\Design	REVIEWED BY:	JAB
LES ACCORDINGLY	PLOT DATE: 5/4/2020		APPROVED BY:	TRS

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 41,45

\_\_\_\_\_

PLAN, PROFILE AND SECTION

SHEET 4

OF

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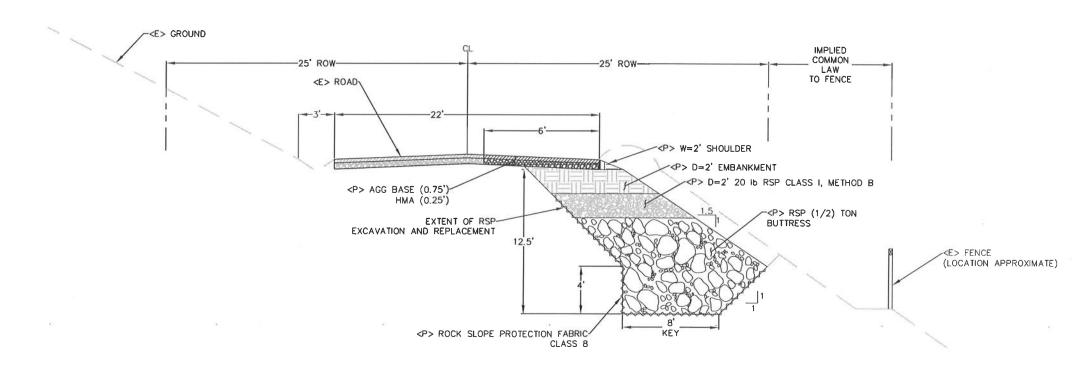
~<E> ROW -<P> 10' DETOUR--<E> GROUND STRUCTURE EXCAVATION <E> 3' DITCH <P> 10' ROADWAY EXCAVATION (6' + 4' TO CONFORM)
REPAVE WITH HMA <P> TEMPORARY/ FILL OR GRADE DRAINAGE DITCH AS NECESSARY TO K-RAIL, 2' MINIMUM FROM EXCAVATION PRODUCE REQUIRED LANE TO BRIDGEVILLE WDTH DURING CONSTRUCTION, RESTORE DITCH AND SHOULDER AFTER CONSTRUCTION. EXTENT OF RSP-TO ALDERPOINT -<E> 5' GRAVEL BERM <P> ~14' RSP BUTTRESS'

# STRUCTURE EXCAVATION

SCALE: 1"=5'±

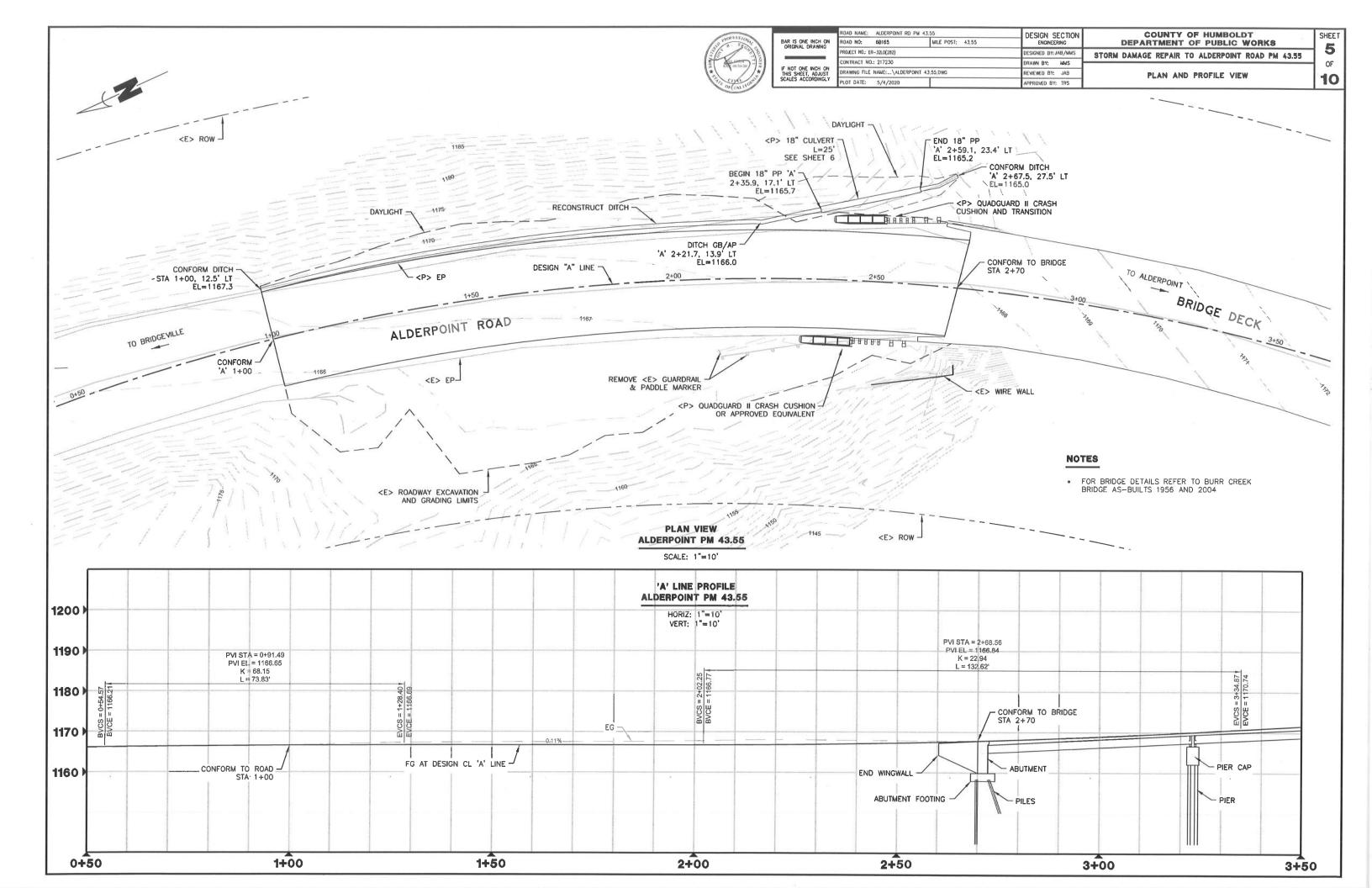
# ALDERPOINT ROAD PM 41.45 PLAN

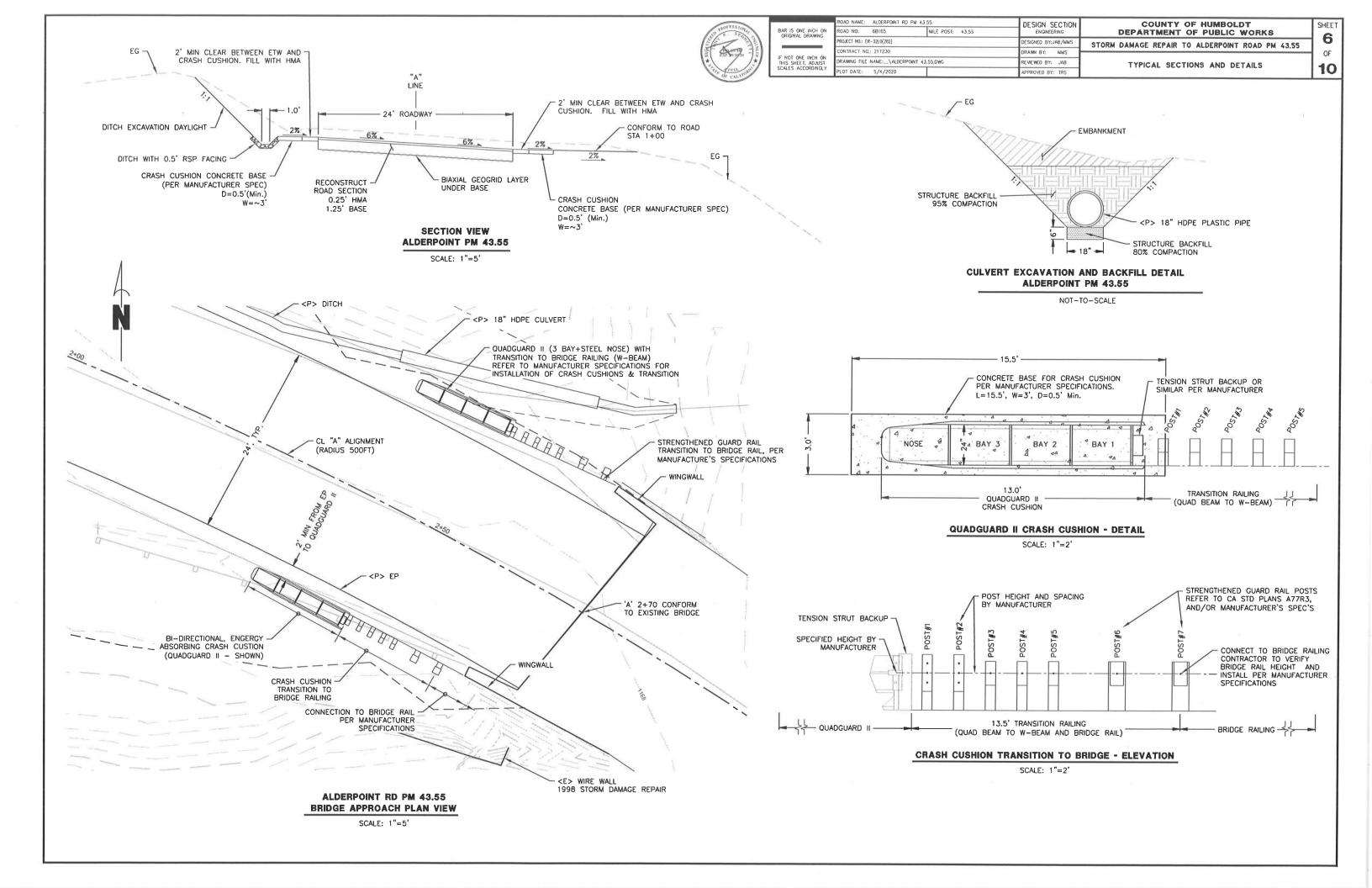
SCALE: 1"=10'±

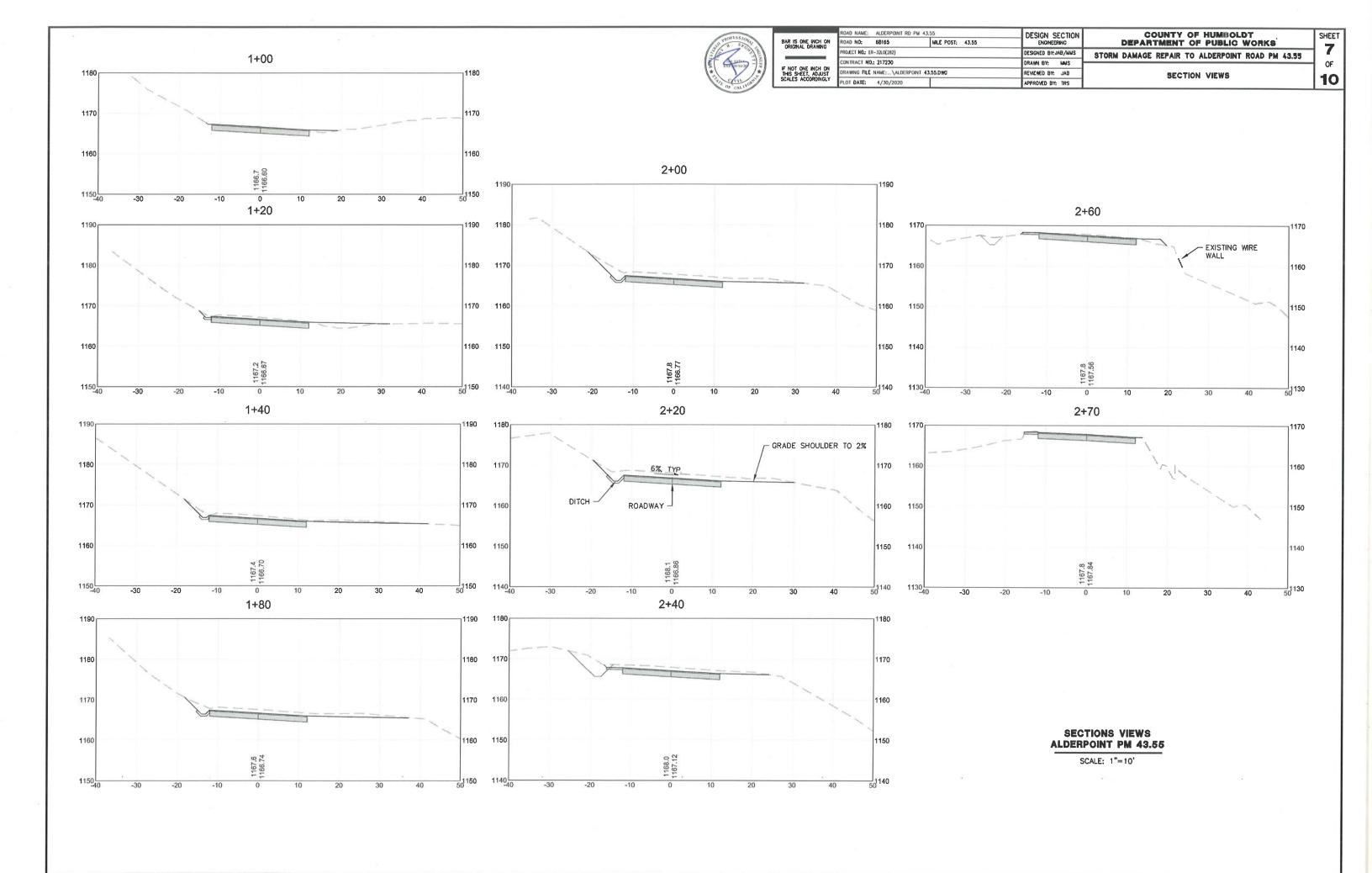


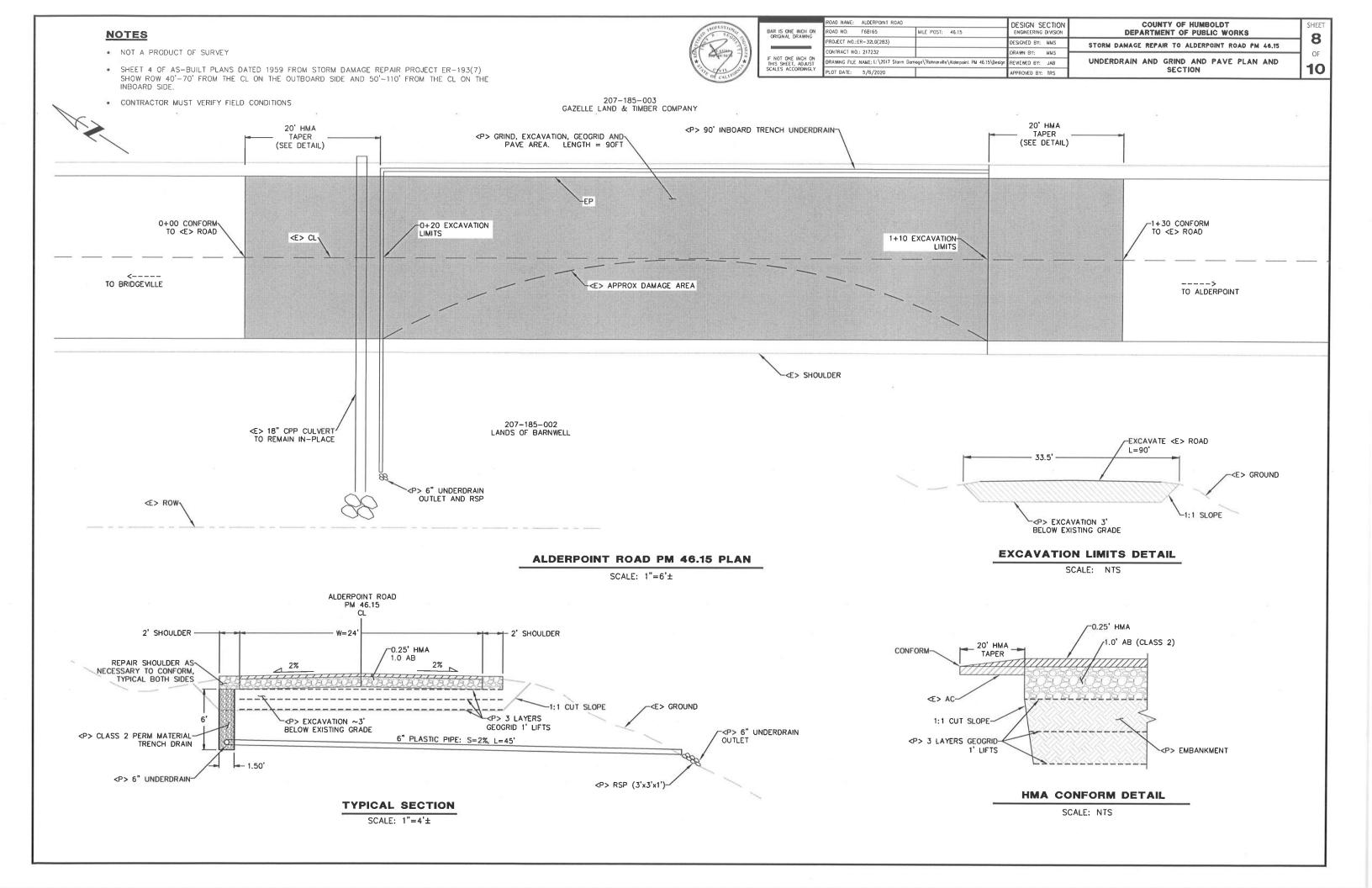
### TYPICAL SECTION

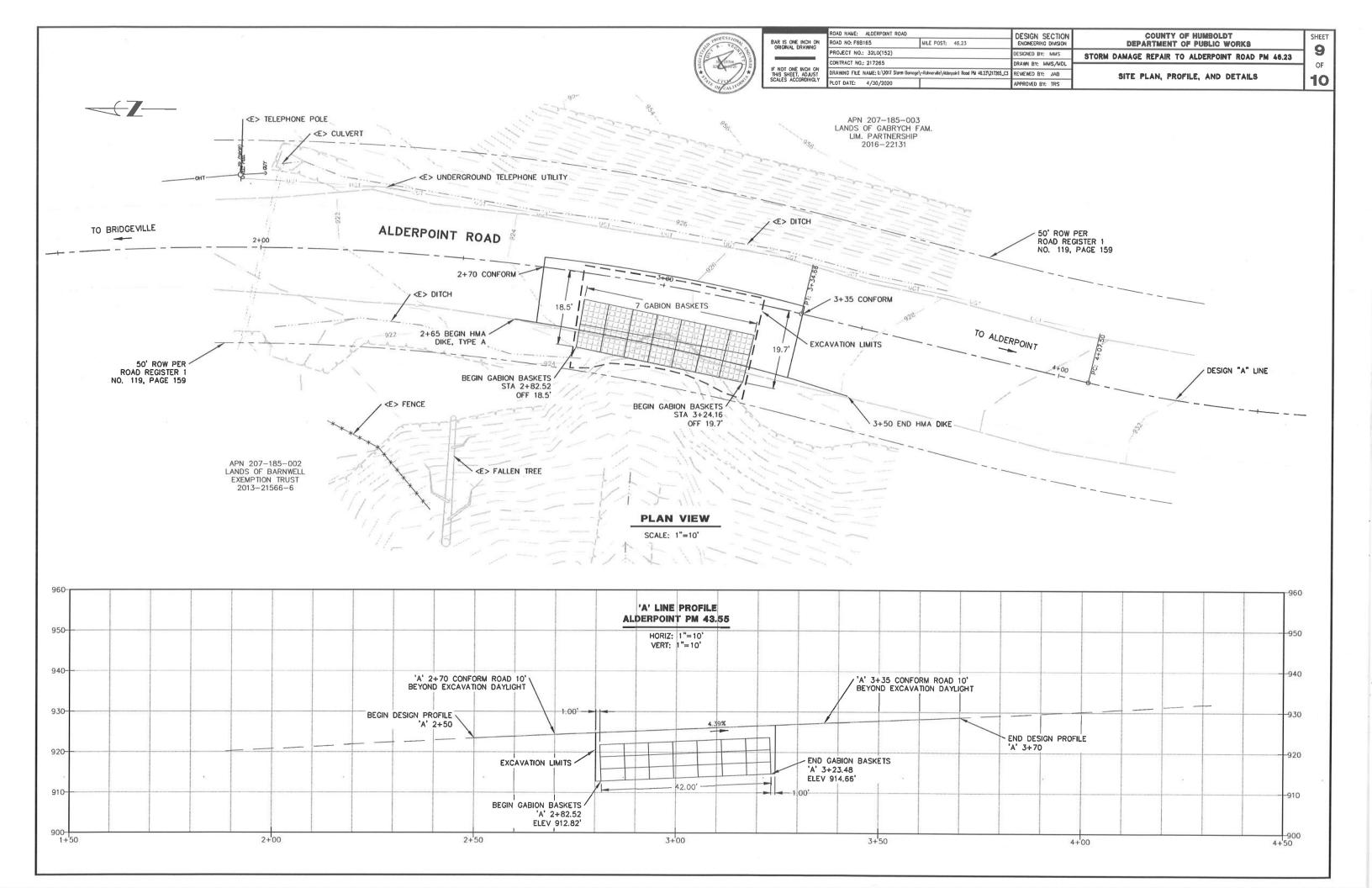
SCALE: 1"=4'±













	pr.
BAR IS ONE INCH ON ORIGINAL DRAWING	RO
ORIGINAL DRAWING	PF
	CO
IF NOT ONE INCH ON THIS SHEET, ADJUST	DR
SCALES ACCORDINGLY	0.

	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION		
E INCH ON DRAWING	ROAD NO: F6B165 MILE POST: 46,23		ENGINEERING DIVISION	
	PROJECT NO.: 32LO(152)	DESIGNED BY: MMS		
INCH ON I, ADJUST CORDINGLY	CONTRACT NO.: 217265	DRAWN BY: MMS/MDL		
	DRAWING FILE NAME: L:\2017 Slarm Damage\-Rohnerville\Alderpaln1 Road PM 46.23\217265_C3		REVIEWED BY: JAB	
	PLOT DATE: 5/4/2020		APPROVED BY: TRS	

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 46.23

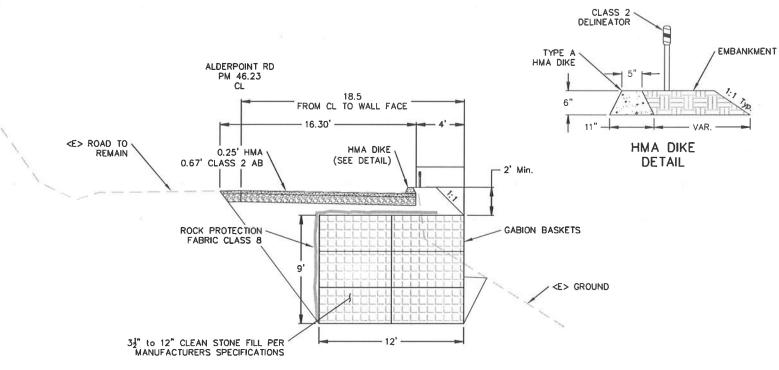
SITE PLAN, PROFILE, AND DETAILS

AILS

SHEET 10

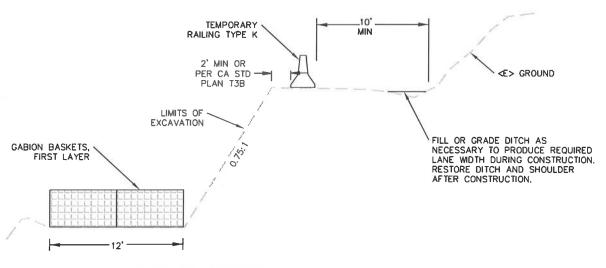
OF

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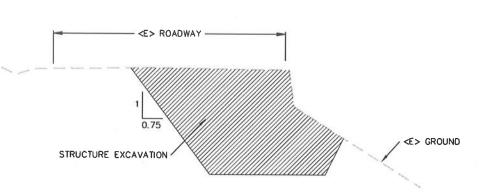
# TYPICAL SECTION - ROADWAY AND GABION

SCALE: 1"=4'±



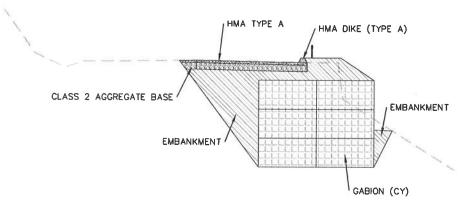
# **DETOUR AND EXCAVATION DETAIL**

SCALE: 1"=4'±



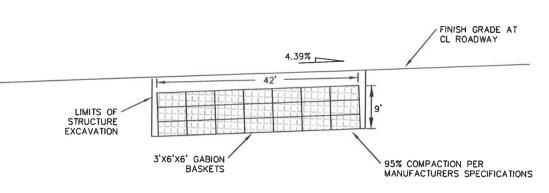
# **EXCAVATION QUANTITIES**

SCALE: 1"=5'



# BACKFILL QUANTITIES

SCALE: 1"=5'



# **ELEVATION**

SCALE: 1"=10'±