









VICINITY MAP

DESIGN SECTION MILE POST: 0.50-0.57 MA PROJECT NO.: FEMA-4434-DR-CA PW#211 RAWN BY: MMS NTRACT NO.: 219308 EVIEWED BY: JAB AWING FILE NAME: 219308 Desi

COCK ROBIN ISLAND ROAD PM 0.50-0.57 SD REPAIR

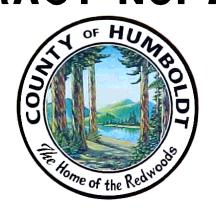
COVER SHEET, SHEET INDEX AND MAPS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS

8

COUNTY OF HUMBO DEPARTMENT

PROJECT PLANS FOR CONSTRUCTION OF STORM DAMAGE REPAIRS ON **COCK ROBIN ISLAND ROAD (2H090)** at P.M. 0.50-0.57 FEMA-4434-DR-CA PW-211 CONTRACT NO. 219308



INDEX OF SHEETS

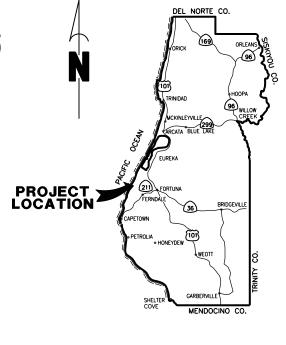
- COVER SHEET, SHEET INDEX, AND MAPS
- CONSTRUCTION AREA SIGNS & QUANTITIES RIGHT-OF-WAY AND SURVEY CONTROL
- TYPICAL SECTION AND DETAILS
- PLAN AND PROFILE
- SECTION VIEWS

NOTES

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.

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

(SEE APPLICABLE STAN PLAN LIST IN SPECIAL PROVISIONS)



LOCATION MAP SCALE: 1"=10± MILE

RECOMMENDED

3/15/2023



APPROVED

TONY R. SEGHETTI RCE 63714, EXP. 9/30/2024 DATE



N.T.S.

CONSTRUCTION AREA SIGNS AND QUANTITIES

QUANTITIES

MILE POST: 0.50-0.57

DESIGN SECTION

RAWN BY: MMS

REVIEWED BY: JAB

ITEM NO.	ITEM CODE		ITEM DESCRIPTION	UNIT	QUANTITY
1	120095		Construction Area Signs		8
2	120100		Traffic Control System	LS	1
3	129000		Temporary Railing (Type K)	LF	160
4	130100		Job Site Management	LS	1
5	130200		Prepare Water Pollution Control Program	LS	1
6	130600		Sediment Curtain	LF	240
7	130680		Temporary Silt Fence	LF	225
8	146001		Contractor Supplied Biologist	DAY	21
9	170103		Clearing and Grubbing	LS	1
10	190101	F	Roadway Excavation	CY	1,193
11	198050		Embankment	CY	77
12	198055		River Gravel	CY	196
13	210212		Dry Seed	SF	1,343
14	210420		Straw	SF	1,343
15	260203		Class 2 Aggregate Base	CY	47
16	390132		Hot Mix Aspahlt (Type A)	TON	25
17	723010		Rock Slope Protection (4 Ton, Class XI, Method A)	CY	351
18	723015		Rock Slope Protection (2 Ton, Class IX, Method A)	CY	351
19	723020		Rock Slope Protection (1 Ton, Class VIII, Method A)	CY	318
20	723030		Rock Slope Protection (1/2 Ton, Class VII, Method A)	CY	35
21	729012		Rock Slope Protection Fabric (Class 10)	SY	700
22	999990		Mobilization	LS	1

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.

OAD NAME: COCK ROBIN ISLAND ROAD

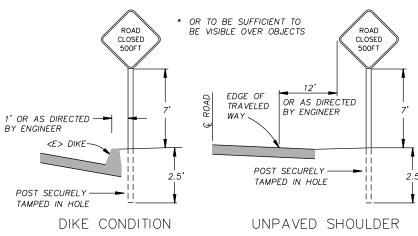
MA PROJECT NO.: FEMA-4434-DR-CA PW#211

OAD NO: 2H090

NTRACT NO.: 219308 RAWING FILE NAME: 219308 Design

OT DATE: 3/7/2023

- 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
- 7) KEEP A MINIMUM OF 1 TRAFFIC LANE AT LEAST 10' WIDE OPEN FOR TRAFFIC, EXCEPT THE FULL WIDTH OF THE TRAVELED WAY MUST BE OPEN WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVE OR AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE

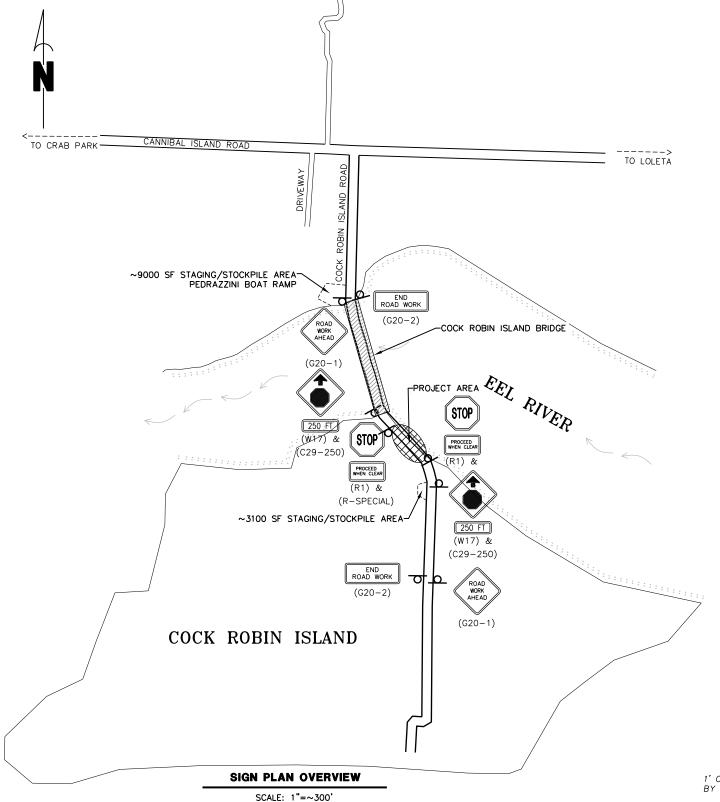


RURAL CONSTRUCTION AREA SIGN

- NOT TO SCALE -

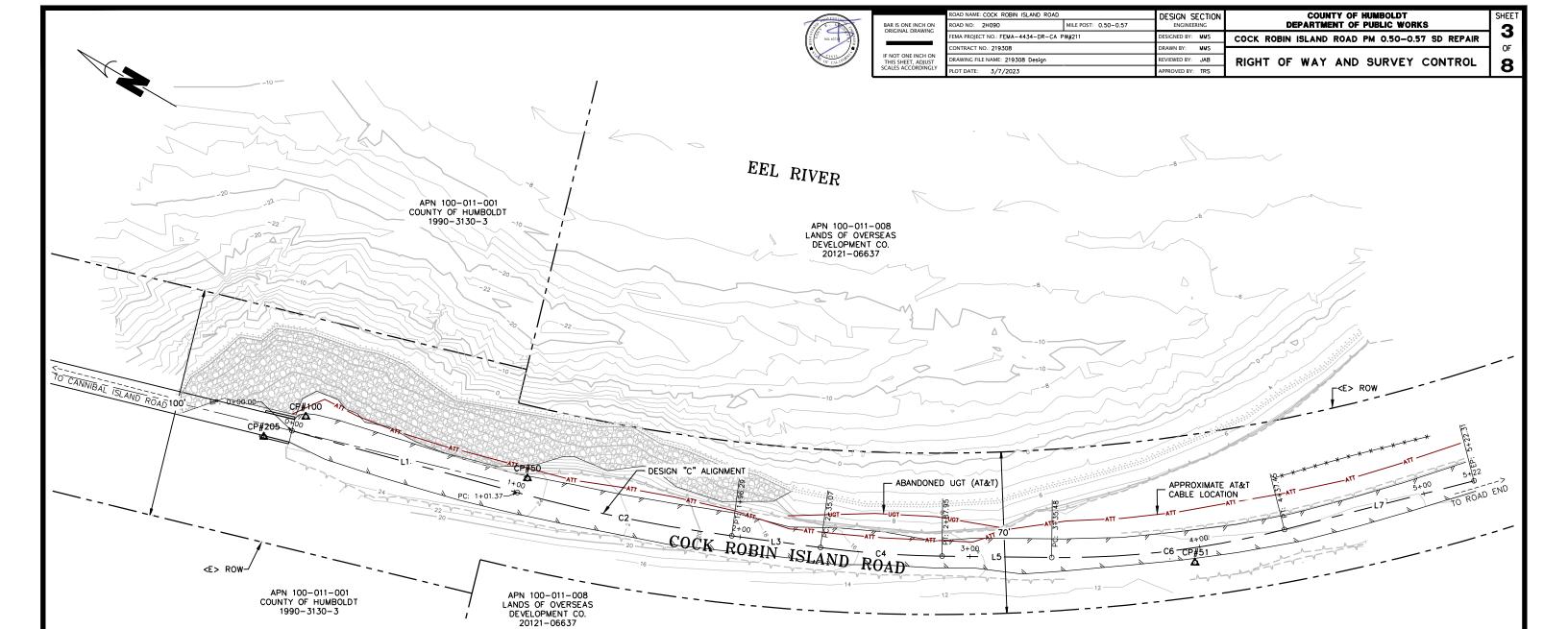
STOCKPILE NOTES

- 1) MANAGE MATERIAL PER SECTION 13-4.03 (C) OF THE 2022 CALTRANS STANDARD SPECIFICATIONS
- 2) IF STOCKPILE AREA IS IN A TURNOUT- THE TURNOUT SHALL BE REESTABLISHED TO PRE-CONSTRUCTION CONDITIONS
- 3) STOCKPILE LOCATIONS HAVE BEEN APPROVED BY PUBLIC WORKS AS DETAILED IN THE ENVIRONMENTAL REPORT.



CONSTRUCTION AREA SIGN SUMMARY

SIGN TYPE	QTY	DESCRIPTION	SIZE	REMARKS	POST SIZE	NUMBER
W20-1	2	ROAD WORK AHEAD	30" × 30"	VISIBLE AT ALL TIMES	4" x 4"	1
W3-1 & C29-250	2	STOP AHEAD	30" x 30" 20" X 7"	VISIBLE AT ALL TIMES	4 × 4	1
R1 – 1 R – SPECIAL	2	STOP PROCEED WHEN CLEAR	30" × 30" 30" × 15"	VISIBLE AT ALL TIMES LINE OF SIGHT	4 × 4	1
G20-2	2	END ROAD WORK	36" × 18"	VISIBLE AT ALL TIMES	4 x 4	1



SURVEY NOTES:

1) The purpose of this survey is to determine topography for storm damage between PM 0.50 to 0.57 of Cock Robin Island Road. This survey reflects conditions at the time of survey; field work was performed in February, March & September 2021.

1990-3130-3

- 2) Underground utilities research was not performed. An underground telephone line has been exposed by the road failure as shown hereon.
- Coordinates for this survey are California Coordinate System of 1983 (CCS83) Zone 1, NAD83 (2011), Epoch 2010.0 based on a static GPS Control Survey using the NGS OPUS Post-Processing software. The mapping angle is 1'29' 30"; 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 0.99990437 to obtain ground distances. Mapping angle and grid scale factor are taken at Point 100, a Magnail at the northerly end of the project site. Elevations are NAVD88 datum based the OPUS solution. Found NOAA tidal benchmark with designation "941 8637 A" located near the southwest end of the bridge and shown hereon as Point 205 has a published elevation of 26.54 feet, 0.19 feet lower
- 4) Contours in the Eel River were mainly determined by elevations obtained with a Hydrolite single beam sounder. Elevations were spot checked with conventional measurements where possible. See CAD file for location of sounder points and check points. Please note negative elevations of bed of Eel River; water surface elevation at time of survey was roughly 5.0 feet as shown
- 5) The lower limit of the rip rap within the Eel River was not determined by this survey.
- 6) No trees greater than 12 inches in diameter were located or found within the project limits.
- 7) Ownerships shown hereon are taken from the Humboldt County GIS; document information is per the Humboldt County Assessors website. Boundary lines shown hereon are based on Book 54 of Surveys, Page 100-101, Humboldt County Records, based on ties to the existing bridge.

DESIGN CL ALIGNMENT 'C'

	No.	Type	Length	Radius	Direction	Start Station	End Station	Delta angle
	L1	Line	101.37'		S14° 41' 27"E	0+00.00'	1+01.37'	
	C2	Curve	94.93'	696.97'		1+01.37'	1+96.29'	7°48'13"
	L3	Line	38.78'		S22° 29' 40"E	1+96.29'	2+35.07'	
	C4	Curve	52.88'	444.37'		2+35.07'	2+87.95'	6°49'06"
	L5	Line	47.53'		S29° 18' 46"E	2+87.95'	3+35.48'	
	C6	Curve	101.97'	387.33'		3+35.48'	4+37.45'	15°05'00"
[L7	Line	84.86'		S44° 23' 46"E	4+37.45'	5+22.31'	

UNDERGROUND UTILITY NOTE

Underground utilities are shown based on a combination of visible physical evidence and records made available to the surveyor.

The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities are in the exact locations indicated, although the surveyor does hereby state that they are shown as accurately as possible from the available information, noted above. The surveyor has not physically located the underground

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

CONTROL POINTS

Point Number	Easting	Northing	Point Elevation	Full Description	Longitude	Latitude
50	5928626.5067'	2122881.8889'	24.45'	CP_MAG	W124° 16' 52.67"	N40° 38' 06.34"
51	5928739.6168'	2122612.9417'	12.25'	CP_SPK	W124° 16' 51.11"	N40° 38' 03.71"
100	5928601.5650'	2122978.5170'	25.77'	CP_GPS_200	W124° 16' 53.03"	N40° 38' 07.29"
101	5928361.0760'	2123753.4070'	25.12'	CP_GPS_201	W124° 16' 56.41"	N40° 38' 14.88"
201	5928361.0729'	2123753.4168'	25.02'	CP_MAG_101	W124° 16' 56.41"	N40° 38' 14.88"
205	5928584.9676'	2122989.9629'	26.73'	NOAA_BM_8637_2017	W124° 16' 53.24"	N40° 38' 07.40"
206	5928365.6790'	2123740.0190'	26.78'	NOAA_BM_8637B_2017	W124° 16' 56.34"	N40° 38' 14.75"
210	5928297.3763'	2124144.9962'	12.92'	FD_BM_8637C	W124° 16' 57.36"	N40° 38' 18.73"
211	5928311.5824'	2124482.4053'	13.36'	FD_BM_8637D	W124° 16' 57.29"	N40° 38' 22.07"

