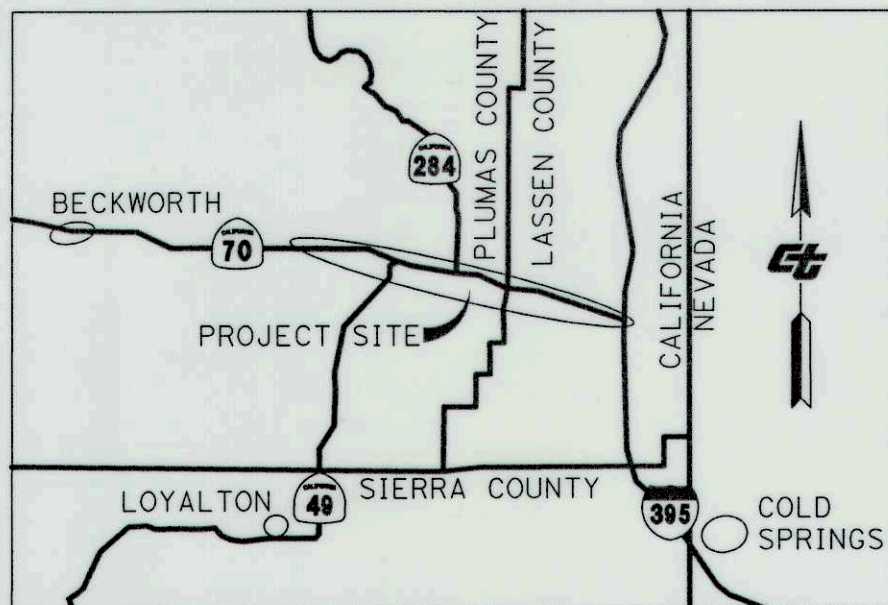




VICINITY MAP
NO SCALE

BASIS OF BEARINGS AND COORDINATES

THE BEARINGS AND COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (NAD83(2011)), ZONE 1, EPOCH 2010.00, IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID BEARINGS AND COORDINATES ARE BASED LOCALLY UPON FIELD OBSERVED TIES TO THE FOLLOWING NATIONAL GEODETIC SURVEY MONUMENTS:

POINT		PUBLISHED NETWORK ACCURACY	
DESIGNATION	NGS PID	CIRCULAR ERROR	HEIGHT
395 LAS 1.75	DH6387	0.48 CM	0.80 CM
395 LAS 10.05	DH6082	0.35 CM	0.67 CM
BUTTES	DH6418	0.67 CM	0.98 CM
CORRECO	DH6422	0.41 CM	0.69 CM
SAGE	KS1349	0.37 CM	0.71 CM
VINTON	DH6433	0.37 CM	0.67 CM

SURVEY PURPOSE:
THE PURPOSE OF THIS SURVEY IS TO ESTABLISH CONTROL MONUMENTS ALONG CALIFORNIA STATE HIGHWAY 70.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION IN MAY OF 2017.

Jack J. Hubbard
JACK J. HUBBARD, PLS 7366
6/22/17
DATE



LEGEND

- PRIMARY MONUMENT, HELD AS CONTROLLING, CHARACTER AS NOTED ON SHEET 2
- NETWORK MONUMENT, CHARACTER AND TYPE AS NOTED ON SHEET 2
- ###-# OBSERVATION SESSION NUMBER

BASELINE OBSERVATION INFORMATION

SESSION	DATE	DURATION	SESSION	DATE	DURATION
299-0	10/25/16	0730-0800	300-0	10/26/16	0800-0830
299-1	10/25/16	0830-0900	300-1	10/26/16	0900-0930
299-2	10/25/16	0930-1000	300-2	10/26/16	1000-1030
299-3	10/25/16	1030-1100	300-3	10/26/16	1100-1130
299-4	10/25/16	1130-1200	300-4	10/26/16	1230-1300
299-5	10/25/16	1230-1300	300-5	10/26/16	1330-1400
299-6	10/25/16	1330-1400	300-6	10/26/16	1430-1500
299-7	10/25/16	1430-1500	300-7	10/26/16	1530-1600
299-8	10/25/16	1530-1600			

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS' ACT THIS 30th DAY OF June, 2017.

Don Willis
DON WILLIS, PLS 7742
LASSEN COUNTY SURVEYOR
June 30, 2017
DATE



RECORDER'S STATEMENT

FILED THIS 30th DAY OF June, 2017 AT 02:46 A.M. IN BOOK 44 OF MAPS AT PAGES 53-54 AT THE REQUEST OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
Julie Bustamante
JULIE BUSTAMANTE
LASSEN COUNTY RECORDER

NO FEE PER GOVERNMENT
CODE SECTION 6103

SURVEYOR'S NOTE:

DURING THE PERFORMANCE OF THIS SURVEY IT BECAME EVIDENT THAT NGS MONUMENTS D143 AND CORRECO HAVE BEEN SUBJECTED, PRESUMABLY TO SUBSIDENCE. MONUMENT D143 WAS NOT HELD AS CONTROLLING FOR ADJUSTMENT PURPOSES. MONUMENT CORRECO WAS ONLY HELD FOR ITS HORIZONTAL LOCATION ONLY AND WAS NOT HELD VERTICALLY FOR ADJUSTMENT PURPOSES.

SCALE: 1"=4000'
FEET 0 2000 4000 8000 12000

RECORD OF SURVEY No. 2017-004

STATE OF CALIFORNIA
CALIFORNIA STATE TRANSPORTATION AGENCY
DEPARTMENT OF TRANSPORTATION

RECORD OF SURVEY FOR GNSS
PROJECT CONTROL ON
NAD83(2011) DATUM - EPOCH 2010.00
EA: OH760 EFIS: 0215000086

IN THE COUNTIES OF LASSEN AND PLUMAS, STATE OF CALIFORNIA, ALONG STATE ROUTE 70, FROM POSTMILE 0.0 TO 3.91 (LAS) AND 89.0 TO 95.95 (PLU) WITHIN S.3-6,10,&11 T.22N., R.17E., AND S.31 T.23N., R.17E., AND S.32-36 T.23N., R.16E. OF THE MOUNT DIABLO MERIDIAN

CO.	RTE.	P.M.	SHEET NO.
LAS	70	0.0 TO 3.91	1 OF 2
PLU	70	89.0 TO 95.95	

GNSS PROJECT CONTROL MONUMENTS - NAD83(2011) EPOCH 2010.00													
POINT		NAD83(2011) GEODETIC COORDINATES			NETWORK ACCURACY (2σ)		CCS83, ZONE 1 EPOCH 2010.00		ORTHO HEIGHT				
	PID	LATITUDE	LONGITUDE	ELLIP. HT.	CIRCULAR ERROR	HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION	CGF	MAP ANGLE	MONUMENTATION TYPE
395 LAS 1.75	DH6387	N39°44'00.57157"	W120°02'19.50542"	4903.09	FIXED	FIXED	1792372.71	7113262.94	4980.85	FOUND PER NGS DATA SHEET	0.999843794	1°16'57"	PRIMARY
395 LAS 10.05	DH6082	N39°51'11.28834"	W120°02'33.20454"	4658.37	FIXED	FIXED	1835923.38	7111219.30	4736.14	FOUND PER NGS DATA SHEET	0.999817946	1°16'48"	PRIMARY
BUTTES	DH6418	N39°48'34.48106"	W120°18'39.43208"	4861.82	FIXED	FIXED	1818490.71	7036182.84	4938.90	FOUND PER NGS DATA SHEET	0.999821406	1°06'16"	PRIMARY
CORRECO	DH6422	N39°44'49.25383"	W120°12'41.98153"	4844.51	FIXED	0.03	1796257.51	7064538.97	4921.94	FOUND PER NGS DATA SHEET	0.999842133	1°10'10"	PROJECT
SAGE	KS1349	N39°47'27.28783"	W120°02'19.76956"	5028.73	FIXED	FIXED	1813285.32	7112774.16	5106.56	FOUND PER NGS DATA SHEET	0.999819258	1°16'57"	PRIMARY
VINTON	DH6433	N39°47'55.74208"	W120°08'53.56024"	4948.28	FIXED	FIXED	1815495.24	7081979.51	5025.70	FOUND PER NGS DATA SHEET	0.999820621	1°12'39"	PRIMARY
27R-3		N39°46'45.88787"	W120°03'17.43219"	4870.04	0.03	0.03	1808996.63	7108366.87	4947.88	FOUND CADT TBAR WITH BATHY CAP SET IN CONCRETE STAMPED "27R-3"	0.999830463	1°16'19"	PROJECT
7-70-0.94		N39°47'21.25955"	W120°05'26.40667"	4953.72	0.03	0.03	1812353.68	7098221.27	5031.43	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "7-70-0.94"	0.999823364	1°14'55"	PROJECT
7-70-1.90		N39°47'05.62342"	W120°04'25.97127"	4712.62	0.03	0.03	1810875.05	7102972.90	4790.42	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "7-70 1.90 GPS"	0.999836235	1°15'34"	PROJECT
7-70-3.73		N39°46'32.59935"	W120°02'28.51671"	4919.71	0.03	0.02	1807737.33	7112215.19	4997.54	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "7-70 3.73 GPS"	0.999829268	1°16'51"	SUPPLEMENTAL
7-70-3.91		N39°46'29.17719"	W120°02'14.56079"	4948.34	0.03	0.03	1807415.50	7113312.38	5026.16	FOUND 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "7-70-3.91 GPS"	0.999828206	1°17'00"	PROJECT
9-70-89.98		N39°48'34.54535"	W120°12'59.88574"	4841.76	0.03	0.03	1819022.24	7062676.70	4918.93	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "9-70-89.98"	0.999822357	1°09'58"	PROJECT
9-70-90.40		N39°48'34.27062"	W120°12'31.74461"	4847.73	0.03	0.03	1819039.24	7064873.03	4924.91	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "9-70 90.40 GPS"	0.999822096	1°10'16"	PROJECT
9-70-91.50		N39°48'28.80017"	W120°11'17.66102"	4864.77	0.03	0.03	1818604.65	7070664.96	4942.00	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "9-70-91.50"	0.999821752	1°11'05"	PROJECT
9-70-92.62		N39°48'05.48934"	W120°10'07.89113"	4883.71	0.03	0.03	1816359.46	7076158.26	4961.04	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "9-70-92.62 GPS"	0.999822858	1°11'50"	PROJECT
9-70-94.92		N39°47'47.31386"	W120°07'34.50511"	5013.47	0.03	0.03	1814773.73	7088167.03	5090.99	SET 2.25" CADT BRASS DISC/IRON PIPE IN CONCRETE STAMPED "9-70-94.92 GPS"	0.999818243	1°13'31"	PROJECT
CM 93.87		N39°47'54.48718"	W120°08'43.63593"	4921.96	0.03	0.02	1815384.66	7082756.67	4999.40	FOUND #5 REBAR WITH CADT 1.25" ALLUMINUM CAP STAMPED "CM 93.87"	0.999821985	1°12'46"	SUPPLEMENTAL
D 143	KS0060	N39°48'33.80139"	W120°14'06.60543"	4830.05	0.03	0.03	1818841.55	7057472.29	4907.22	FOUND PER NGS DATA SHEET	0.99982298	1°09'14"	PROJECT
GEO 23	KS1352	N39°47'25.26679"	W120°06'34.07207"	5156.37	0.03	0.03	1812644.56	7092931.37	5233.96	FOUND PER NGS DATA SHEET	0.999813346	1°14'10"	PROJECT

SURVEY NOTES:

1. CADT IS AN ACRONYM FOR THE CALIFORNIA DEPARTMENT OF TRANSPORTATION.
2. ALL COORDINATES AND DISTANCES SHOWN ARE IN TERMS OF THE U.S. SURVEY FOOT UNLESS NOTED OTHERWISE.
3. ORTHOMETRIC HEIGHTS ARE DERIVED USING GEOID MODEL GEOID12B.
4. COORDINATE ERRORS ARE CALCULATED PER THE STANDARDS SET BY THE FEDERAL GEOGRAPHIC DATA COMMITTEE’S GEOSPATIAL POSITIONING ACCURACY STANDARDS, SPECIFICALLY FGDC-STD-007.3-1998 (PART 3 NATIONAL STANDARD FOR SPATIAL DATA ACCURACY).
5. ALL PRIMARY AND PROJECT CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY CONFORM TO THE STANDARDS FOR 2CM (0.07’) NETWORK ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
6. ALL SUPPLEMENTAL CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY MEET OR EXCEED THE STANDARDS OF 0.07 FT (TWO CENTEMETER) LOCAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015).
7. MONUMENTATION TYPES ARE FURTHER DEFINED IN SECTION 5.8, CHAPTER 5 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION SURVEYS MANUAL (2015).
8. THIS SURVEY WAS CONDUCTED UTILIZING STATIC GPS SURVEY METHODS IN ACCORDANCE WITH CHAPTER 6 OF THE CALTRANS SURVEYS MANUAL (2012 CALIFORNIA DEPARTMENT OF TRANSPORTATION). FIELD MEASUREMENTS WERE COLLECTED USING TRIMBLE R8 GNSS ANTENNAS. THE GNSS DATA WAS PROCESSED AND THE SURVEY NETWORK WAS ADJUSTED (USING A LEAST SQUARES ADJUSTMENT) IN TRIMBLE BUSINESS CENTER VERSION 3.81 SOFTWARE.

RECORD OF SURVEY No. 2017-004			
STATE OF CALIFORNIA CALIFORNIA STATE TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION			
RECORD OF SURVEY FOR GNSS PROJECT CONTROL ON NAD83(2011) DATUM - EPOCH 2010.00 EA: OH760 EFIS: 0215000086			
IN THE COUNTIES OF LASSEN AND PLUMAS, STATE OF CALIFORNIA, ALONG STATE ROUTE 70, FROM POSTMILE 0.0 TO 3.91 (LAS) AND 89.0 TO 95.95 (PLU) WITHIN S.3-6,10,&11 T.22N., R.17E., AND S.31 T.23N., R.17E., AND S.32-36 T.23N., R.16E. OF THE MOUNT DIABLO MERIDIAN			
CO.	RTE.	P.M.	SHEET NO.
LAS	70	0.0 TO 3.91	2 OF 2
PLU	70	89.0 TO 95.95	