

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				
DESIGNATION	PID	LATITUDE	LONGITUDE	ELLIP. HT.	CIRCULAR ERROR	HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION	CGF	MAP ANGLE	MONUMENTATION TYPE
GOATMTN_CN2006 CORS ARP	DN7524	N 40°25'06.90265"	W 120°48'21.40656"	5200.314	0.15 cm	0.42 cm	2038034.188	6894108.171	5275.357	CORS STATION	0.999672334	0°46'50.8"	PRIMARY
QUINCY CORS ARP	AF9564	N 39°58'28.38078"	W 120°56'39.88941"	3629.458	0.13 cm	0.12 cm	1875796.834	6857507.428	3707.869	CORS STATION	0.999832987	0°41'24.8"	PRIMARY
HPGN D CA 02 ES	DF4390	N 40°10'42.50063"	W 121°05'35.40202"	4428.908	0.48 cm	0.84 cm	1949611.688	6815050.297	4506.411	SURVEY DISK IN CONCRETE	0.999748117	0°35'34.7"	PRIMARY
BAMBI	DH6417	N 40°03'04.68121"	W 120°59'25.69392"	3858.309	0.41 cm	0.73 cm	1903601.849	6844277.923	3936.483	ALUMINUM DISK IN WELL	0.999803022	0°39'36.4"	PRIMARY
89 PLU 16.65	DH6398	N 40°06'31.21165"	W 120°54'27.16649"	3460.428	0.53 cm	0.92 cm	1924777.489	6867230.334	3537.755	ALUMINUM DISK IN WELL	0.999808973	0°42'51.6"	PRIMARY
CM 12.99		N 40°04'17.92132"	W 120°56'52.24170"	3397.238	0.30 cm	0.40 cm	1911152.875	6856121.138	3474.871	REBAR W/ALUMINUM CAP	0.999820314	0°41'16.8"	PROJECT
CM 13.23		N 40°04'25.84021"	W 120°56'39.91412"	3407.868	0.30 cm	0.40 cm	1911965.656	6857069.767	3485.456	REBAR W/ALUMINUM CAP	0.999819300	0°41'24.8"	PROJECT
CM 14.13		N 40°04'44.30216"	W 120°55'45.53599"	3464.993	0.40 cm	0.50 cm	1913884.970	6861273.864	3542.505	REBAR W/ALUMINUM CAP	0.999815396	0°42'00.4"	PROJECT
CM 15.09		N 40°05'16.22811"	W 120°54'55.65479"	3434.970	0.40 cm	0.50 cm	1917162.994	6865110.944	3512.441	REBAR W/ALUMINUM CAP	0.999814820	0°42'33.0"	PROJECT
CM 16.03		N 40°05'59.09196"	W 120°54'31.45764"	3463.719	0.40 cm	0.40 cm	1921523.398	6866937.425	3541.113	REBAR W/ALUMINUM CAP	0.999810783	0°42'48.8"	PROJECT
CM 16.38		N 40°06'20.02969"	W 120°54'31.07685"	3454.506	0.30 cm	0.20 cm	1923642.290	6866940.625	3531.866	REBAR W/ALUMINUM CAP	0.999809938	0°42'49.1"	PROJECT
CM 17.94		N 40°07'34.33465"	W 120°54'40.38951"	3698.443	0.30 cm	0.30 cm	1931151.617	6866123.651	3775.697	REBAR W/ALUMINUM CAP	0.999793800	0°42'43.0"	PROJECT
CM 18.76		N 40°08'04.81781"	W 120°55'09.44933"	3467.800	0.40 cm	0.40 cm	1934208.024	6863828.493	3545.042	REBAR W/ALUMINUM CAP	0.999803023	0°42'24.0"	PROJECT
9-89-19.41		N 40°08'09.59583"	W 120°55'52.47312"	3485.602	0.40 cm	0.40 cm	1934650.490	6860481.296	3562.875	REBAR W/ALUMINUM CAP	0.999801892	0°41'55.8"	PROJECT
9-89-19.62		N 40°08'13.51052"	W 120°56'05.54245"	3496.338	0.40 cm	0.50 cm	1935034.229	6859461.513	3573.618	REBAR W/ALUMINUM CAP	0.999801150	0°41'47.3"	PROJECT
G3		N 40°08'22.06981"	W 120°56'50.50694"	3500.779	0.40 cm	0.50 cm	1935858.079	6855959.208	3578.082	COPPER WELD	0.999800438	0°41'17.9"	PROJECT
CM 21.20		N 40°08'52.75664"	W 120°57'20.75086"	3522.207	0.30 cm	0.50 cm	1938934.948	6853573.568	3599.473	REBAR W/ALUMINUM CAP	0.999797635	0°40'58.1"	PROJECT

SURVEY NOTES:

- CADT IS AN ACRONYM FOR THE CALIFORNIA DEPARTMENT OF TRANSPORTATION A.K.A CALTRANS.
- ALL COORDINATES AND DISTANCES SHOWN ARE IN TERMS OF THE U.S. SURVEY FOOT UNLESS NOTED OTHERWISE.
- ORTHOMETRIC HEIGHTS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 DERIVED USING GEOID MODEL GEOID18.
- 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).
- ALL PRIMARY AND PROJECT CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY CONFORM TO THE STANDARDS OF 0.07’ (2CM) NETWORK ACCURACY, OR HIGHER, FOR HORIZONTAL AND VERTICAL POSITIONAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
- PRIMARY, PROJECT, AND SUPPLEMENTAL MONUMENT TYPES ARE FURTHER DEFINED IN SECTION 5.8, CHAPTER 5 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION SURVEYS MANUAL (2015).
- 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 R10 GNSS ANTENNAS. THE GNSS DATA WAS PROCESSED AND THE SURVEY NETWORK WAS ADJUSTED (USING A LEAST SQUARES ADJUSTMENT) IN TRIMBLE BUSINESS CENTER VERSION 5.40 SOFTWARE.
- COMBINED GRID FACTORS SHOWN FOR NGS MONUMENTS DIFFER FROM VALUES LISTED ON NGS DATA SHEETS. THE VALUES SHOWN HEREON ARE DERIVED FROM TRIMBLE BUSINESS CENTER. THE DIFFERENCE IN VALUES IS DUE TO UTILIZATION OF DIFFERENT METHODS TO COMPUTE ELEVATION FACTORS BY TRIMBLE BUSINESS CENTER AND NGS.

STATE OF CALIFORNIA CALIFORNIA STATE TRANSPORTATION AGENCY DEPARTMENT OF TRANSPORTATION, DISTRICT 2			
RECORD OF SURVEY FOR GNSS PROJECT CONTROL ON NAD83(2011), EPOCH 2010.00			
IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF PLUMAS, STATE OF CALIFORNIA, ALONG STATE ROUTE 089, FROM POSTMILE 12.9 TO 21.0 SITUATED IN SECTIONS 1,2,3,12,24,25,26,34,35,T26N R9E; 7,18,19,T26N R10E OF THE MOUNT DIABLO BASE AND MERIDIAN			
EA:	4H030	EFIS:	0218000070
CO.	RTE.	P.M.	SHEET NO.
PLU	089	12.9 TO 21.0	2 OF 2

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