

Orange County Public Works Land Surveying Geomatics Department Glassell Field Office
Land Surveying Geomatics Department
Glassell Field Office



Esperanza Channel (E06) Monitoring Project

Horizontal Datum: NAD 83 CCS Zone VI, 2017.50 Epoch OCS Adjustment

Vertical Datum: NAVD 88, OCS 1995 Adjustment

U.S. Survey Foot

Basis of Stationing

The Basis for Stationing is STA 52+93.87 Per Record Plan E06-701-3

Dated August 1978 Revision Dated May 1983 Held at the

Intersection of Esperanza Channel (E06) and Dominguez Ranch Rd Centerline.

THIS DATA IS TO SUPPLEMENT OCS PROJECT #2122PW-OP0002

Note : Standard Deviations (σ^2) at two sigma 95%

BASELINE DATA					DATE OF SURVEY: 5/23/2022		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Major σ^2	Minor σ^2	Elev σ^2
400	64+21.43	2269334.915	6102241.784	492.73	0.021	0.016	0.012
401	64+19.32	2269332.845	6102242.098	492.61	0.023	0.016	0.012
402	63+01.48	2269219.837	6102272.209	486.86	0.018	0.016	0.011
403	62+99.44	2269217.901	6102272.787	486.78	0.021	0.016	0.011
404	62+55.91	2269176.422	6102285.298	485.11	0.014	0.016	0.011
405	62+53.93	2269174.487	6102285.749	485.00	0.018	0.016	0.011
406	62+30.53	2269152.843	6102294.351	484.09	0.018	0.017	0.011
407	62+28.43	2269150.946	6102295.23	484.00	0.017	0.017	0.011
408	61+90.68	2269116.488	6102310.185	482.60	0.018	0.016	0.011
409	61+88.69	2269114.638	6102310.911	482.55	0.016	0.016	0.011
410	61+51.16	2269081.009	6102327.165	481.21	0.015	0.016	0.011
411	61+49.05	2269079.112	6102328.06	481.14	0.017	0.016	0.011
412	61+11.20	2269045.881	6102345.816	479.76	0.013	0.016	0.011
413	59+91.76	2268945.731	6102409.726	475.34	0.013	0.016	0.011
414	59+89.78	2268944.099	6102410.829	475.30	0.013	0.016	0.011
415	59+52.10	2268914.251	6102433.519	474.03	0.016	0.016	0.011
416	59+50.11	2268912.732	6102434.793	473.99	0.016	0.016	0.011
417	59+12.25	2268883.682	6102458.789	472.62	0.016	0.017	0.011
418	58+72.23	2268853.897	6102485.217	471.21	0.015	0.016	0.011
419	58+32.56	2268825.444	6102512.581	469.65	0.015	0.016	0.011
420	56+73.61	2268723.017	6102632.917	463.72	0.015	0.018	0.011
421	56+72.10	2268722.01	6102634.047	463.67	0.016	0.018	0.011
422	56+33.68	2268700.308	6102665.536	462.17	0.016	0.018	0.011
423	56+31.66	2268699.268	6102667.259	462.14	0.016	0.018	0.011
424	55+93.87	2268679.393	6102699.183	460.59	0.024	0.018	0.011
425	54+34.63	2268606.976	6102840.27	454.50	0.022	0.018	0.011
426	54+32.67	2268606.099	6102842.019	454.45	0.026	0.018	0.011
427	53+92.72	2268589.636	6102878.417	452.86	0.025	0.017	0.011
428	62+30.71	2269149.454	6102285.597	484.14	0.024	0.017	0.011
429	62+56.03	2269173.066	6102276.124	485.15	0.016	0.015	0.010
430	62+53.40	2269170.617	6102277.126	485.05	0.057	0.017	0.012
431	53+94.69	2268590.327	6102876.561	452.95	0.020	0.016	0.011

QUARTERLY DATA					DATE OF SURVEY: 8/01/2022		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.41	2269334.909	6102241.800	492.74	0.01	-0.02	-0.01
401	64+19.31	2269332.849	6102242.115	492.63	0.00	-0.02	-0.02
402	63+01.45	2269219.821	6102272.207	486.88	0.02	0.00	-0.02
403	62+99.42	2269217.882	6102272.773	486.80	0.02	0.01	-0.02
404	62+55.87	2269176.403	6102285.308	485.13	0.02	-0.01	-0.02
405	62+53.90	2269174.479	6102285.764	485.02	0.01	-0.02	-0.02
406	62+30.52	2269152.845	6102294.355	484.11	0.00	0.00	-0.02
407	62+28.43	2269150.956	6102295.220	484.01	-0.01	0.01	-0.01
408	61+90.67	2269116.49	6102310.182	482.62	0.00	0.00	-0.02
409	61+88.69	2269114.649	6102310.910	482.56	-0.01	0.00	-0.01
410	61+51.15	2269081.008	6102327.153	481.22	0.00	0.01	-0.01
411	61+49.05	2269079.12	6102328.052	481.15	-0.01	0.01	-0.01
412	61+11.20	2269045.891	6102345.810	479.78	-0.01	0.01	-0.02
413	59+91.73	2268945.718	6102409.725	475.36	0.01	0.00	-0.02
414	59+89.76	2268944.094	6102410.827	475.31	0.00	0.00	-0.01
415	59+52.09	2268914.247	6102433.515	474.04	0.00	0.00	-0.01
416	59+50.11	2268912.733	6102434.786	474.00	0.00	0.01	-0.01
417	59+12.24	2268883.666	6102458.774	472.63	0.02	0.01	-0.01
418	58+72.23	2268853.895	6102485.206	471.22	0.00	0.01	-0.01
419	58+32.55	2268825.439	6102512.582	469.68	0.00	0.00	-0.03
420	56+73.61	2268723.015	6102632.911	463.73	0.00	0.01	-0.01
421	56+72.09	2268722.008	6102634.044	463.68	0.00	0.00	-0.01
422	56+33.67	2268700.307	6102665.535	462.17	0.00	0.00	0.00
423	56+31.67	2268699.29	6102667.245	462.14	-0.02	0.01	0.00
424	55+93.87	2268679.403	6102699.174	460.59	-0.01	0.01	0.00
425	54+34.62	2268606.978	6102840.258	454.53	0.00	0.01	-0.03
426	54+32.67	2268606.097	6102842.005	454.48	0.00	0.01	-0.03
427	53+92.70	2268589.634	6102878.433	452.89	0.00	-0.02	-0.03
428	62+30.71	2269149.465	6102285.587	484.15	-0.01	0.01	-0.01
429	62+56.03	2269173.074	6102276.124	485.16	-0.01	0.00	-0.01
430	62+53.38	2269170.614	6102277.142	485.06	0.00	-0.02	-0.01
431	53+94.70	2268590.338	6102876.555	452.98	-0.01	0.01	-0.03

QUARTERLY DATA					DATE OF SURVEY: 11/04/202		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.42	2269334.918	6102241.792	492.73	0.00	-0.01	0.00
401	64+19.31	2269332.842	6102242.100	492.61	0.00	0.00	0.00
402	63+01.47	2269219.835	6102272.209	486.87	0.00	0.00	-0.01
403	62+99.42	2269217.888	6102272.776	486.79	0.01	0.01	-0.01
404	62+55.89	2269176.414	6102285.300	485.12	0.01	0.00	-0.01
405	62+53.91	2269174.478	6102285.737	485.02	0.01	0.01	-0.02
406	62+30.52	2269152.838	6102294.335	484.10	0.01	0.02	-0.01
407	62+28.42	2269150.942	6102295.221	484.01	0.00	0.01	-0.01
408	61+90.68	2269116.494	6102310.174	482.61	-0.01	0.01	-0.01
409	61+88.69	2269114.644	6102310.896	482.56	-0.01	0.02	-0.01
410	61+51.16	2269081.007	6102327.140	481.22	0.00	0.03	-0.01
411	61+49.05	2269079.118	6102328.049	481.15	-0.01	0.01	0.00
412	61+11.20	2269045.894	6102345.809	479.77	-0.01	0.01	0.00
413	59+91.74	2268945.720	6102409.723	475.35	0.01	0.00	-0.01
414	59+89.76	2268944.090	6102410.820	475.30	0.01	0.01	0.00
415	59+52.10	2268914.250	6102433.510	474.04	0.00	0.01	-0.01
416	59+50.11	2268912.741	6102434.785	474.00	-0.01	0.01	-0.01
417	59+12.25	2268883.672	6102458.762	472.64	0.01	0.03	-0.01
418	58+72.23	2268853.889	6102485.189	471.22	0.01	0.03	-0.01
419	58+32.53	2268825.426	6102512.593	469.67	0.02	-0.01	-0.02
420	56+73.62	2268723.017	6102632.898	463.74	0.00	0.02	-0.02
421	56+72.09	2268721.993	6102634.032	463.69	0.02	0.01	-0.02
422	56+33.68	2268700.296	6102665.517	462.17	0.01	0.02	0.00
423	56+31.67	2268699.290	6102667.252	462.14	-0.02	0.01	0.00
424	55+93.88	2268679.398	6102699.167	460.60	0.00	0.02	-0.01
425	54+34.63	2268606.992	6102840.258	454.51	-0.02	0.01	-0.01
426	54+32.68	2268606.107	6102841.996	454.46	-0.01	0.02	-0.01
427	53+92.71	2268589.632	6102878.417	452.87	0.00	0.00	-0.01
428	62+30.68	2269149.445	6102285.610	484.13	0.01	-0.01	0.01
429	62+55.99	2269173.042	6102276.127	485.15	0.02	0.00	0.00
430	62+53.34	2269170.584	6102277.154	485.04	0.03	-0.03	0.01
431	53+94.70	2268590.358	6102876.556	452.97	-0.03	0.00	-0.02

QUARTERLY DATA					DATE OF SURVEY: 2/08/2023		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.41	2269334.918	6102241.783	492.72	0.00	0.00	0.01
401	64+19.31	2269332.839	6102242.090	492.60	0.01	0.01	0.01
402	63+01.46	2269219.830	6102272.200	486.86	0.01	0.01	0.00
403	62+99.42	2269217.882	6102272.767	486.79	0.02	0.02	-0.01
404	62+55.88	2269176.418	6102285.298	485.12	0.00	0.00	-0.01
405	62+53.90	2269174.462	6102285.726	484.98	0.02	0.02	0.02
406	62+30.52	2269152.83	6102294.315	484.07	0.01	0.04	0.02
407	62+28.42	2269150.939	6102295.208	483.98	0.01	0.02	0.02
408	61+90.68	2269116.503	6102310.157	482.58	-0.02	0.03	0.02
409	61+88.69	2269114.648	6102310.889	482.54	-0.01	0.02	0.01
410	61+51.16	2269081.016	6102327.128	481.20	-0.01	0.04	0.01
411	61+49.05	2269079.122	6102328.044	481.12	-0.01	0.02	0.02
412	61+11.20	2269045.871	6102345.806	479.77	0.01	0.01	-0.01
413	59+91.73	2268945.731	6102409.718	475.35	0.00	0.01	-0.01
414	59+89.76	2268944.098	6102410.821	475.30	0.00	0.01	0.00
415	59+52.10	2268914.240	6102433.518	474.03	0.01	0.00	0.00
416	59+50.11	2268912.736	6102434.787	473.99	0.00	0.01	0.00
417	59+12.25	2268883.673	6102458.760	472.62	0.01	0.03	0.00
418	58+72.22	2268853.889	6102485.197	471.20	0.01	0.02	0.01
419	58+32.55	2268825.432	6102512.574	469.65	0.01	0.01	0.00
420	56+73.62	2268723.016	6102632.904	463.72	0.00	0.01	0.00
421	56+72.09	2268721.997	6102634.042	463.67	0.01	0.00	0.00
422	56+33.69	2268700.304	6102665.517	462.17	0.00	0.02	0.00
423	56+31.66	2268699.275	6102667.239	462.14	-0.01	0.02	0.00
424	55+93.87	2268679.403	6102699.173	460.59	-0.01	0.01	0.00
425	54+34.63	2268606.985	6102840.272	454.52	-0.01	0.00	-0.02
426	54+32.67	2268606.086	6102842.000	454.47	0.01	0.02	-0.02
427	53+92.72	2268589.639	6102878.443	452.85	0.00	-0.03	0.01
428	62+30.69	2269149.456	6102285.596	484.13	0.00	0.00	0.01
429	62+56.01	2269173.052	6102276.119	485.15	0.01	0.00	0.00
430	62+53.36	2269170.600	6102277.149	485.05	0.02	-0.02	0.00
431	53+94.70	2268590.335	6102876.549	452.95	-0.01	0.01	0.00

QUARTERLY DATA					DATE OF SURVEY: 4/25/2023		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.42	2269334.909	6102241.788	492.71	0.01	0.00	0.02
401	64+19.31	2269332.842	6102242.100	492.59	0.00	0.00	0.02
402	63+01.46	2269219.828	6102272.205	486.85	0.01	0.00	0.01
403	62+99.42	2269217.888	6102272.777	486.78	0.01	0.01	0.00
404	62+55.89	2269176.409	6102285.304	485.11	0.01	-0.01	0.00
405	62+53.90	2269174.462	6102285.732	484.99	0.02	0.02	0.01
406	62+30.52	2269152.833	6102294.327	484.08	0.01	0.02	0.01
407	62+28.42	2269150.947	6102295.217	483.99	0.00	0.01	0.01
408	61+90.70	2269116.492	6102310.178	482.59	0.00	0.01	0.01
409	61+88.70	2269114.640	6102310.886	482.54	0.00	0.03	0.01
410	61+51.17	2269080.997	6102327.125	481.20	0.01	0.04	0.01
411	61+49.06	2269079.107	6102328.027	481.13	0.00	0.03	0.01
412	61+11.18	2269045.869	6102345.771	479.75	0.01	0.05	0.01
413	59+91.75	2268945.713	6102409.723	475.34	0.02	0.00	0.00
414	59+89.77	2268944.080	6102410.818	475.28	0.02	0.01	0.02
415	59+52.09	2268914.250	6102433.515	474.02	0.00	0.00	0.01
416	59+50.11	2268912.735	6102434.783	473.98	0.00	0.01	0.01
417	59+12.25	2268883.674	6102458.761	472.62	0.01	0.03	0.00
418	58+72.23	2268853.893	6102485.211	471.21	0.00	0.01	0.00
419	58+32.55	2268825.437	6102512.582	469.66	0.01	0.00	-0.01
420	56+73.61	2268723.008	6102632.892	463.72	0.01	0.03	0.00
421	56+72.09	2268721.978	6102634.021	463.67	0.03	0.03	0.00
422	56+33.68	2268700.293	6102665.507	462.16	0.01	0.03	0.01
423	56+31.67	2268699.264	6102667.240	462.13	0.00	0.02	0.01
424	55+93.87	2268679.400	6102699.171	460.59	-0.01	0.01	0.00
425	54+34.62	2268606.959	6102840.239	454.52	0.02	0.03	-0.02
426	54+32.67	2268606.074	6102841.989	454.47	0.02	0.03	-0.02
427	53+92.69	2268589.618	6102878.403	452.87	0.02	0.01	-0.01
428	62+30.70	2269149.447	6102285.604	484.13	0.01	-0.01	0.01
429	62+56.01	2269173.064	6102276.127	485.14	0.00	0.00	0.01
430	62+53.36	2269170.603	6102277.151	485.05	0.01	-0.02	0.00
431	53+94.70	2268590.325	6102876.541	452.97	0.00	0.02	-0.02

QUARTERLY DATA					DATE OF SURVEY: 8/08/2023		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.40	2269334.903	6102241.794	492.72	0.01	-0.01	0.02
401	64+19.30	2269332.839	6102242.113	492.60	0.01	-0.02	0.01
402	63+01.45	2269219.824	6102272.213	486.86	0.01	0.00	0.00
403	62+99.42	2269217.886	6102272.782	486.79	0.01	0.00	-0.01
404	62+55.88	2269176.414	6102285.313	485.12	0.01	-0.02	0.00
405	62+53.90	2269174.462	6102285.731	485.00	0.02	0.02	0.00
406	62+30.52	2269152.836	6102294.325	484.10	0.01	0.03	-0.01
407	62+28.42	2269150.945	6102295.224	484.00	0.00	0.01	0.00
408	61+90.68	2269116.499	6102310.179	482.60	-0.01	0.01	0.00
409	61+88.69	2269114.646	6102310.896	482.55	-0.01	0.02	0.00
410	61+51.16	2269081.003	6102327.128	481.21	0.01	0.04	0.00
411	61+49.05	2269079.111	6102328.031	481.14	0.00	0.03	0.00
412	61+11.19	2269045.869	6102345.778	479.76	0.01	0.04	0.00
413	59+91.73	2268945.712	6102409.727	475.33	0.02	0.00	0.01
414	59+89.76	2268944.082	6102410.82	475.28	0.02	0.01	0.02
415	59+52.09	2268914.246	6102433.518	474.02	0.00	0.00	0.01
416	59+50.11	2268912.738	6102434.787	473.98	-0.01	0.01	0.01
417	59+12.24	2268883.673	6102458.781	472.61	0.01	0.01	0.01
418	58+72.23	2268853.91	6102485.217	471.21	-0.01	0.00	0.00
419	58+32.55	2268825.435	6102512.571	469.65	0.01	0.01	0.00
420	56+73.62	2268723.034	6102632.912	463.73	-0.02	0.01	-0.01
421	56+72.08	2268721.988	6102634.04	463.68	0.02	0.01	-0.01
422	56+33.68	2268700.291	6102665.512	462.16	0.02	0.02	0.01
423	56+31.67	2268699.274	6102667.244	462.13	-0.01	0.02	0.01
424	55+93.88	2268679.392	6102699.162	460.59	0.00	0.02	0.00
425	54+34.64	2268606.962	6102840.238	454.52	0.01	0.03	-0.02
426	54+32.67	2268606.084	6102841.999	454.48	0.01	0.02	-0.03
427	53+92.71	2268589.611	6102878.401	452.87	0.02	0.02	-0.01
428	62+30.67	2269149.427	6102285.612	484.14	0.03	-0.01	0.00
429	62+55.99	2269173.033	6102276.123	485.16	0.03	0.00	-0.01
430	62+53.35	2269170.587	6102277.155	485.05	0.03	-0.03	0.00
431	53+94.69	2268590.314	6102876.547	452.97	0.01	0.01	-0.02