

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	-0.013
401	64+19.31	2269332.849	6102242.115	492.63	0.00	-0.02	-0.016
402	63+01.45	2269219.821	6102272.207	486.88	0.02	0.00	-0.017
403	62+99.42	2269217.882	6102272.773	486.80	0.02	0.01	-0.021
404	62+55.87	2269176.403	6102285.308	485.13	0.02	-0.01	-0.020
405	62+53.90	2269174.479	6102285.764	485.02	0.01	-0.02	-0.016
406	62+30.52	2269152.845	6102294.355	484.11	0.00	0.00	-0.018
407	62+28.43	2269150.956	6102295.220	484.01	-0.01	0.01	-0.014
408	61+90.67	2269116.49	6102310.182	482.62	0.00	0.00	-0.020
409	61+88.69	2269114.649	6102310.910	482.56	-0.01	0.00	-0.008
410	61+51.15	2269081.008	6102327.153	481.22	0.00	0.01	-0.011
411	61+49.05	2269079.12	6102328.052	481.15	-0.01	0.01	-0.006
412	61+11.20	2269045.891	6102345.810	479.78	-0.01	0.01	-0.023
413	59+91.73	2268945.718	6102409.725	475.36	0.01	0.00	-0.021
414	59+89.76	2268944.094	6102410.827	475.31	0.00	0.00	-0.006
415	59+52.09	2268914.247	6102433.515	474.04	0.00	0.00	-0.009
416	59+50.11	2268912.733	6102434.786	474.00	0.00	0.01	-0.006
417	59+12.24	2268883.666	6102458.774	472.63	0.02	0.01	-0.010
418	58+72.23	2268853.895	6102485.206	471.22	0.00	0.01	-0.006
419	58+32.55	2268825.439	6102512.582	469.68	0.00	0.00	-0.026
420	56+73.61	2268723.015	6102632.911	463.73	0.00	0.01	-0.009
421	56+72.09	2268722.008	6102634.044	463.68	0.00	0.00	-0.014
422	56+33.67	2268700.307	6102665.535	462.17	0.00	0.00	0.000
423	56+31.67	2268699.29	6102667.245	462.14	-0.02	0.01	-0.001
424	55+93.87	2268679.403	6102699.174	460.59	-0.01	0.01	-0.001
425	54+34.62	2268606.978	6102840.258	454.53	0.00	0.01	-0.030
426	54+32.67	2268606.097	6102842.005	454.48	0.00	0.01	-0.030
427	53+92.70	2268589.634	6102878.433	452.89	0.00	-0.02	-0.028
428	62+30.71	2269149.465	6102285.587	484.15	-0.01	0.01	-0.009
429	62+56.03	2269173.074	6102276.124	485.16	-0.01	0.00	-0.011
430	62+53.38	2269170.614	6102277.142	485.06	0.00	-0.02	-0.008
431	53+94.70	2268590.338	6102876.555	452.98	-0.01	0.01	-0.032

QUARTERLY DATA				DATE OF SURVEY: 11/04/2022			
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	0.003
401	64+19.31	2269332.842	6102242.100	492.61	0.00	0.00	0.000
402	63+01.47	2269219.835	6102272.209	486.87	0.00	0.00	-0.007
403	62+99.42	2269217.888	6102272.776	486.79	0.01	0.01	-0.010
404	62+55.89	2269176.414	6102285.300	485.12	0.01	0.00	-0.014
405	62+53.91	2269174.478	6102285.737	485.02	0.01	0.01	-0.018
406	62+30.52	2269152.838	6102294.335	484.10	0.01	0.02	-0.012
407	62+28.42	2269150.942	6102295.221	484.01	0.00	0.01	-0.008
408	61+90.68	2269116.494	6102310.174	482.61	-0.01	0.01	-0.011
409	61+88.69	2269114.644	6102310.896	482.56	-0.01	0.02	-0.012
410	61+51.16	2269081.007	6102327.140	481.22	0.00	0.03	-0.009
411	61+49.05	2269079.118	6102328.049	481.15	-0.01	0.01	-0.005
412	61+11.20	2269045.894	6102345.809	479.77	-0.01	0.01	-0.005
413	59+91.74	2268945.720	6102409.723	475.35	0.01	0.00	-0.014
414	59+89.76	2268944.090	6102410.820	475.30	0.01	0.01	-0.001
415	59+52.10	2268914.250	6102433.510	474.04	0.00	0.01	-0.011
416	59+50.11	2268912.741	6102434.785	474.00	-0.01	0.01	-0.010
417	59+12.25	2268883.672	6102458.762	472.64	0.01	0.03	-0.015
418	58+72.23	2268853.889	6102485.189	471.22	0.01	0.03	-0.011
419	58+32.53	2268825.426	6102512.593	469.67	0.02	-0.01	-0.016
420	56+73.62	2268723.017	6102632.898	463.74	0.00	0.02	-0.021
421	56+72.09	2268721.993	6102634.032	463.69	0.02	0.01	-0.023
422	56+33.68	2268700.296	6102665.517	462.17	0.01	0.02	0.005
423	56+31.67	2268699.290	6102667.252	462.14	-0.02	0.01	-0.001
424	55+93.88	2268679.398	6102699.167	460.60	0.00	0.02	-0.009
425	54+34.63	2268606.992	6102840.258	454.51	-0.02	0.01	-0.009
426	54+32.68	2268606.107	6102841.996	454.46	-0.01	0.02	-0.009
427	53+92.71	2268589.632	6102878.417	452.87	0.00	0.00	-0.012
428	62+30.68	2269149.445	6102285.610	484.13	0.01	-0.01	0.007
429	62+55.99	2269173.042	6102276.127	485.15	0.02	0.00	0.004
430	62+53.34	2269170.584	6102277.154	485.04	0.03	-0.03	0.006
431	53+94.70	2268590.358	6102876.556	452.97	-0.03	0.00	-0.019

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	0.010
401	64+19.31	2269332.839	6102242.090	492.60	0.01	0.01	0.007
402	63+01.46	2269219.830	6102272.200	486.86	0.01	0.01	-0.001
403	62+99.42	2269217.882	6102272.767	486.79	0.02	0.02	-0.010
404	62+55.88	2269176.418	6102285.298	485.12	0.00	0.00	-0.006
405	62+53.90	2269174.462	6102285.726	484.98	0.02	0.02	0.020
406	62+30.52	2269152.83	6102294.315	484.07	0.01	0.04	0.016
407	62+28.42	2269150.939	6102295.208	483.98	0.01	0.02	0.023
408	61+90.68	2269116.503	6102310.157	482.58	-0.02	0.03	0.019
409	61+88.69	2269114.648	6102310.889	482.54	-0.01	0.02	0.012
410	61+51.16	2269081.016	6102327.128	481.20	-0.01	0.04	0.015
411	61+49.05	2269079.122	6102328.044	481.12	-0.01	0.02	0.019
412	61+11.20	2269045.871	6102345.806	479.77	0.01	0.01	-0.011
413	59+91.73	2268945.731	6102409.718	475.35	0.00	0.01	-0.009
414	59+89.76	2268944.098	6102410.821	475.30	0.00	0.01	0.003
415	59+52.10	2268914.240	6102433.518	474.03	0.01	0.00	0.003
416	59+50.11	2268912.736	6102434.787	473.99	0.00	0.01	0.005
417	59+12.25	2268883.673	6102458.760	472.62	0.01	0.03	0.002
418	58+72.22	2268853.889	6102485.197	471.20	0.01	0.02	0.007
419	58+32.55	2268825.432	6102512.574	469.65	0.01	0.01	0.002
420	56+73.62	2268723.016	6102632.904	463.72	0.00	0.01	0.003
421	56+72.09	2268721.997	6102634.042	463.67	0.01	0.00	-0.001
422	56+33.69	2268700.304	6102665.517	462.17	0.00	0.02	-0.001
423	56+31.66	2268699.275	6102667.239	462.14	-0.01	0.02	-0.002
424	55+93.87	2268679.403	6102699.173	460.59	-0.01	0.01	-0.003
425	54+34.63	2268606.985	6102840.272	454.52	-0.01	0.00	-0.023
426	54+32.67	2268606.086	6102842.000	454.47	0.01	0.02	-0.020
427	53+92.72	2268589.639	6102878.443	452.85	0.00	-0.03	0.010
428	62+30.69	2269149.456	6102285.596	484.13	0.00	0.00	0.006
429	62+56.01	2269173.052	6102276.119	485.15	0.01	0.00	0.001
430	62+53.36	2269170.600	6102277.149	485.05	0.02	-0.02	0.004
431	53+94.70	2268590.335	6102876.549	452.95	-0.01	0.01	-0.004

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	0.024
401	64+19.31	2269332.842	6102242.100	492.59	0.00	0.00	0.018
402	63+01.46	2269219.828	6102272.205	486.85	0.01	0.00	0.009
403	62+99.42	2269217.888	6102272.777	486.78	0.01	0.01	0.002
404	62+55.89	2269176.409	6102285.304	485.11	0.01	-0.01	0.005
405	62+53.90	2269174.462	6102285.732	484.99	0.02	0.02	0.009
406	62+30.52	2269152.833	6102294.327	484.08	0.01	0.02	0.007
407	62+28.42	2269150.947	6102295.217	483.99	0.00	0.01	0.011
408	61+90.70	2269116.492	6102310.178	482.59	0.00	0.01	0.007
409	61+88.70	2269114.640	6102310.886	482.54	0.00	0.03	0.006
410	61+51.17	2269080.997	6102327.125	481.20	0.01	0.04	0.007
411	61+49.06	2269079.107	6102328.027	481.13	0.00	0.03	0.012
412	61+11.18	2269045.869	6102345.771	479.75	0.01	0.05	0.013
413	59+91.75	2268945.713	6102409.723	475.34	0.02	0.00	0.004
414	59+89.77	2268944.080	6102410.818	475.28	0.02	0.01	0.017
415	59+52.09	2268914.250	6102433.515	474.02	0.00	0.00	0.009
416	59+50.11	2268912.735	6102434.783	473.98	0.00	0.01	0.011
417	59+12.25	2268883.674	6102458.761	472.62	0.01	0.03	0.002
418	58+72.23	2268853.893	6102485.211	471.21	0.00	0.01	-0.001
419	58+32.55	2268825.437	6102512.582	469.66	0.01	0.00	-0.006
420	56+73.61	2268723.008	6102632.892	463.72	0.01	0.03	-0.001
421	56+72.09	2268721.978	6102634.021	463.67	0.03	0.03	-0.004
422	56+33.68	2268700.293	6102665.507	462.16	0.01	0.03	0.012
423	56+31.67	2268699.264	6102667.240	462.13	0.00	0.02	0.009
424	55+93.87	2268679.400	6102699.171	460.59	-0.01	0.01	0.001
425	54+34.62	2268606.959	6102840.239	454.52	0.02	0.03	-0.020
426	54+32.67	2268606.074	6102841.989	454.47	0.02	0.03	-0.019
427	53+92.69	2268589.618	6102878.403	452.87	0.02	0.01	-0.014
428	62+30.70	2269149.447	6102285.604	484.13	0.01	-0.01	0.007
429	62+56.01	2269173.064	6102276.127	485.14	0.00	0.00	0.010
430	62+53.36	2269170.603	6102277.151	485.05	0.01	-0.02	0.005
431	53+94.70	2268590.325	6102876.541	452.97	0.00	0.02	-0.020

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	0.015
401	64+19.30	2269332.839	6102242.113	492.60	0.01	-0.02	0.006
402	63+01.45	2269219.824	6102272.213	486.86	0.01	0.00	-0.001
403	62+99.42	2269217.886	6102272.782	486.79	0.01	0.00	-0.008
404	62+55.88	2269176.414	6102285.313	485.12	0.01	-0.02	-0.005
405	62+53.90	2269174.462	6102285.731	485.00	0.02	0.02	-0.004
406	62+30.52	2269152.836	6102294.325	484.10	0.01	0.03	-0.006
407	62+28.42	2269150.945	6102295.224	484.00	0.00	0.01	-0.003
408	61+90.68	2269116.499	6102310.179	482.60	-0.01	0.01	-0.002
409	61+88.69	2269114.646	6102310.896	482.55	-0.01	0.02	-0.003
410	61+51.16	2269081.003	6102327.128	481.21	0.01	0.04	-0.001
411	61+49.05	2269079.111	6102328.031	481.14	0.00	0.03	0.004
412	61+11.19	2269045.869	6102345.778	479.76	0.01	0.04	0.000
413	59+91.73	2268945.712	6102409.727	475.33	0.02	0.00	0.007
414	59+89.76	2268944.082	6102410.82	475.28	0.02	0.01	0.021
415	59+52.09	2268914.246	6102433.518	474.02	0.00	0.00	0.014
416	59+50.11	2268912.738	6102434.787	473.98	-0.01	0.01	0.014
417	59+12.24	2268883.673	6102458.781	472.61	0.01	0.01	0.007
418	58+72.23	2268853.91	6102485.217	471.21	-0.01	0.00	0.001
419	58+32.55	2268825.435	6102512.571	469.65	0.01	0.01	-0.004
420	56+73.62	2268723.034	6102632.912	463.73	-0.02	0.01	-0.006
421	56+72.08	2268721.988	6102634.04	463.68	0.02	0.01	-0.011
422	56+33.68	2268700.291	6102665.512	462.16	0.02	0.02	0.009
423	56+31.67	2268699.274	6102667.244	462.13	-0.01	0.02	0.010
424	55+93.88	2268679.392	6102699.162	460.59	0.00	0.02	0.001
425	54+34.64	2268606.962	6102840.238	454.52	0.01	0.03	-0.022
426	54+32.67	2268606.084	6102841.999	454.48	0.01	0.02	-0.034
427	53+92.71	2268589.611	6102878.401	452.87	0.02	0.02	-0.014
428	62+30.67	2269149.427	6102285.612	484.14	0.03	-0.01	0.002
429	62+55.99	2269173.033	6102276.123	485.16	0.03	0.00	-0.010
430	62+53.35	2269170.587	6102277.155	485.05	0.03	-0.03	0.002
431	53+94.69	2268590.314	6102876.547	452.97	0.01	0.01	-0.018

QUARTERLY DATA					DATE OF SURVEY: 11/08/2023		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.42	2269334.912	6102241.79	492.709	0.00	-0.01	0.021
401	64+19.31	2269332.834	6102242.094	492.593	0.01	0.00	0.017
402	63+01.46	2269219.824	6102272.21	486.846	0.01	0.00	0.014
403	62+99.43	2269217.885	6102272.778	486.775	0.02	0.01	0.005
404	62+55.89	2269176.409	6102285.307	485.099	0.01	-0.01	0.011
405	62+53.93	2269174.484	6102285.73	485.002	0.00	0.02	-0.002
406	62+30.53	2269152.846	6102294.339	484.094	0.00	0.01	-0.004
407	62+28.45	2269150.968	6102295.235	484.001	-0.02	0.00	-0.001
408	61+90.69	2269116.494	6102310.18	482.588	-0.01	0.01	0.012
409	61+88.70	2269114.639	6102310.891	482.54	0.00	0.02	0.010
410	61+51.17	2269080.998	6102327.12	481.198	0.01	0.05	0.012
411	61+49.05	2269079.102	6102328.037	481.125	0.01	0.02	0.015
412	61+11.21	2269045.891	6102345.793	479.765	-0.01	0.02	-0.005
413	59+91.75	2268945.724	6102409.725	475.322	0.01	0.00	0.018
414	59+89.77	2268944.085	6102410.815	475.268	0.01	0.01	0.032
415	59+52.10	2268914.239	6102433.512	474.006	0.01	0.01	0.024
416	59+50.13	2268912.74	6102434.78	473.964	-0.01	0.01	0.026
417	59+12.26	2268883.673	6102458.762	472.6	0.01	0.03	0.020
418	58+72.24	2268853.9	6102485.211	471.204	0.00	0.01	0.006
419	58+32.55	2268825.442	6102512.599	469.652	0.00	-0.02	-0.002
420	56+73.62	2268723.023	6102632.911	463.705	-0.01	0.01	0.015
421	56+72.09	2268721.978	6102634.034	463.657	0.03	0.01	0.013
422	56+33.69	2268700.273	6102665.503	462.14	0.03	0.03	0.030
423	56+31.68	2268699.279	6102667.241	462.12	-0.01	0.02	0.020
424	55+93.89	2268679.396	6102699.164	460.567	0.00	0.02	0.023
425	54+34.62	2268606.954	6102840.26	454.501	0.02	0.01	-0.001
426	54+32.67	2268606.068	6102842.002	454.45	0.03	0.02	0.000
427	53+92.70	2268589.628	6102878.433	452.866	0.01	-0.02	-0.006
428	62+30.70	2269149.445	6102285.6	484.136	0.01	0.00	0.004
429	62+56.00	2269173.036	6102276.131	485.151	0.03	-0.01	-0.001
430	62+53.35	2269170.585	6102277.173	485.048	0.03	-0.05	0.002
431	53+94.70	2268590.34	6102876.56	452.958	-0.01	0.00	-0.008

QUARTERLY DATA					DATE OF SURVEY: 01/30/2024		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.41	2269334.903	6102241.772	492.683	0.01	0.01	0.047
401	64+19.30	2269332.833	6102242.087	492.566	0.01	0.01	0.044
402	63+01.45	2269219.823	6102272.207	486.824	0.01	0.00	0.036
403	62+99.42	2269217.883	6102272.774	486.751	0.02	0.01	0.029
404	62+55.89	2269176.418	6102285.299	485.084	0.00	0.00	0.026
405	62+53.90	2269174.463	6102285.726	484.979	0.02	0.02	0.021
406	62+30.53	2269152.841	6102294.316	484.068	0.00	0.03	0.022
407	62+28.42	2269150.943	6102295.218	483.973	0.00	0.01	0.027
408	61+90.69	2269116.501	6102310.162	482.569	-0.01	0.02	0.031
409	61+88.69	2269114.638	6102310.878	482.519	0.00	0.03	0.031
410	61+51.15	2269080.995	6102327.130	481.177	0.01	0.04	0.033
411	61+49.05	2269079.105	6102328.032	481.102	0.01	0.03	0.038
412	61+11.19	2269045.879	6102345.799	479.725	0.00	0.02	0.035
413	59+91.74	2268945.728	6102409.725	475.302	0.00	0.00	0.038
414	59+89.77	2268944.093	6102410.814	475.251	0.01	0.02	0.049
415	59+52.10	2268914.256	6102433.508	473.988	-0.01	0.01	0.042
416	59+50.12	2268912.736	6102434.778	473.947	0.00	0.01	0.043
417	59+12.24	2268883.661	6102458.769	472.587	0.02	0.02	0.033
418	58+72.23	2268853.895	6102485.208	471.186	0.00	0.01	0.024
419	58+32.55	2268825.428	6102512.572	469.628	0.02	0.01	0.022
420	56+73.61	2268723.018	6102632.909	463.699	0.00	0.01	0.021
421	56+72.09	2268721.975	6102634.020	463.651	0.04	0.03	0.019
422	56+33.68	2268700.273	6102665.504	462.134	0.03	0.03	0.036
423	56+31.66	2268699.266	6102667.248	462.108	0.00	0.01	0.032
424	55+93.87	2268679.400	6102699.175	460.559	-0.01	0.01	0.031
425	54+34.62	2268606.962	6102840.256	454.487	0.01	0.01	0.013
426	54+32.66	2268606.074	6102842.001	454.438	0.02	0.02	0.012
427	53+92.69	2268589.640	6102878.439	452.86	0.00	-0.02	0.000
428	62+30.69	2269149.456	6102285.608	484.111	0.00	-0.01	0.029
429	62+56.01	2269173.059	6102276.129	485.124	0.01	-0.01	0.026
430	62+53.36	2269170.600	6102277.152	485.021	0.02	-0.03	0.029
431	53+94.69	2268590.345	6102876.563	452.948	-0.02	0.00	0.002

QUARTERLY DATA					DATE OF SURVEY: 05/30/24		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.41	2269334.888	6102241.753	492.7	0.03	0.03	0.030
401	64+19.31	2269332.823	6102242.071	492.59	0.02	0.03	0.020
402	63+01.45	2269219.805	6102272.197	486.84	0.03	0.01	0.020
403	62+99.43	2269217.881	6102272.769	486.77	0.02	0.02	0.010
404	62+55.89	2269176.409	6102285.305	485.09	0.01	-0.01	0.020
405	62+53.90	2269174.446	6102285.712	484.98	0.04	0.04	0.020
406	62+30.53	2269152.833	6102294.315	484.07	0.01	0.04	0.020
407	62+28.43	2269150.944	6102295.222	483.98	0.00	0.01	0.020
408	61+90.69	2269116.493	6102310.174	482.58	-0.01	0.01	0.020
409	61+88.70	2269114.631	6102310.872	482.53	0.01	0.04	0.020
410	61+51.16	2269080.988	6102327.117	481.19	0.02	0.05	0.020
411	61+49.05	2269079.093	6102328.018	481.12	0.02	0.04	0.020
412	61+11.20	2269045.862	6102345.773	479.74	0.02	0.04	0.020
413	59+91.74	2268945.705	6102409.714	475.32	0.03	0.01	0.020
414	59+89.77	2268944.076	6102410.81	475.27	0.02	0.02	0.030
415	59+52.09	2268914.235	6102433.514	474	0.02	0.01	0.030
416	59+50.11	2268912.721	6102434.782	473.96	0.01	0.01	0.030
417	59+12.25	2268883.668	6102458.769	472.6	0.01	0.02	0.020
418	58+72.24	2268853.899	6102485.209	471.2	0.00	0.01	0.010
419	58+32.55	2268825.422	6102512.569	469.65	0.02	0.01	0.000
420	56+73.62	2268723.016	6102632.912	463.7	0.00	0.01	0.020
421	56+72.08	2268721.949	6102634.034	463.65	0.06	0.01	0.020
422	56+33.66	2268700.27	6102665.535	462.15	0.04	0.00	0.020
423	56+31.65	2268699.273	6102667.27	462.12	-0.01	-0.01	0.020
424	55+93.86	2268679.419	6102699.208	460.51	-0.03	-0.02	0.080
425	54+34.64	2268606.956	6102840.241	454.5	0.02	0.03	0.000
426	54+32.69	2268606.06	6102841.981	454.45	0.04	0.04	0.000
427	53+92.72	2268589.618	6102878.41	452.86	0.02	0.01	0.000
428	62+30.69	2269149.44	6102285.605	484.11	0.01	-0.01	0.030
429	62+56.01	2269173.043	6102276.122	485.13	0.02	0.00	0.020
430	62+53.36	2269170.589	6102277.162	485.03	0.03	-0.04	0.020
431	53+94.71	2268590.311	6102876.536	452.95	0.02	0.02	0.000

QUARTERLY DATA					DATE OF SURVEY: 08/12/24		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.41	2269334.892	6102241.772	492.69	0.03	0.01	0.041
401	64+19.31	2269332.828	6102242.085	492.57	0.03	0.01	0.036
402	63+01.45	2269219.806	6102272.195	486.84	0.01	0.01	0.025
403	62+99.43	2269217.878	6102272.773	486.76	0.02	0.01	0.025
404	62+55.89	2269176.405	6102285.304	485.08	-0.01	-0.01	0.027
405	62+53.91	2269174.455	6102285.726	484.98	0.04	0.02	0.022
406	62+30.53	2269152.838	6102294.318	484.07	0.04	0.03	0.021
407	62+28.44	2269150.95	6102295.211	483.98	0.01	0.02	0.024
408	61+90.7	2269116.499	6102310.166	482.57	0.01	0.02	0.030
409	61+88.71	2269114.639	6102310.861	482.52	0.04	0.05	0.029
410	61+51.17	2269080.988	6102327.106	481.18	0.05	0.06	0.030
411	61+49.06	2269079.095	6102328.008	481.10	0.04	0.05	0.036
412	61+11.2	2269045.859	6102345.768	479.74	0.04	0.05	0.017
413	59+91.74	2268945.713	6102409.720	475.31	0.01	0.01	0.031
414	59+89.77	2268944.081	6102410.810	475.26	0.02	0.02	0.045
415	59+52.11	2268914.244	6102433.508	473.99	0.01	0.01	0.040
416	59+50.13	2268912.736	6102434.778	473.95	0.01	0.01	0.042
417	59+12.24	2268883.662	6102458.777	472.59	0.02	0.01	0.032
418	58+72.24	2268853.899	6102485.203	471.19	0.01	0.01	0.022
419	58+32.56	2268825.428	6102512.563	469.64	0.01	0.02	0.010
420	56+73.62	2268723.02	6102632.906	463.71	0.01	0.01	0.015
421	56+72.1	2268721.966	6102634.015	463.64	0.01	0.03	0.028
422	56+33.69	2268700.263	6102665.499	462.14	0.00	0.04	0.033
423	56+31.66	2268699.254	6102667.246	462.11	-0.01	0.01	0.027
424	55+93.88	2268679.408	6102699.179	460.56	-0.02	0.00	0.026
425	54+34.64	2268606.962	6102840.248	454.50	0.03	0.02	0.002
426	54+32.68	2268606.052	6102841.984	454.45	0.04	0.04	0.001
427	53+92.72	2268589.611	6102878.411	452.86	0.01	0.01	-0.001
428	62+30.7	2269149.446	6102285.602	484.11	-0.01	0.00	0.026
429	62+56.02	2269173.051	6102276.118	485.13	0.00	0.01	0.021
430	62+53.37	2269170.596	6102277.149	485.03	-0.04	-0.02	0.025
431	53+94.7	2268590.312	6102876.550	452.95	0.02	0.01	0.001

QUARTERLY DATA					DATE OF SURVEY: 10/10/24		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.42	2269334.90	6102241.76	492.69	0.02	0.02	0.041
401	64+19.31	2269332.83	6102242.08	492.58	0.01	0.02	0.029
402	63+01.47	2269219.82	6102272.20	486.83	0.01	0.01	0.028
403	62+99.43	2269217.89	6102272.77	486.76	0.01	0.02	0.017
404	62+55.89	2269176.41	6102285.30	485.08	0.02	0.00	0.029
405	62+53.91	2269174.46	6102285.73	484.97	0.03	0.02	0.032
406	62+30.53	2269152.83	6102294.32	484.06	0.02	0.03	0.030
407	62+28.44	2269150.95	6102295.22	483.97	0.00	0.01	0.033
408	61+90.69	2269116.49	6102310.17	482.58	-0.01	0.01	0.025
409	61+88.70	2269114.63	6102310.87	482.53	0.01	0.04	0.023
410	61+51.16	2269080.99	6102327.12	481.19	0.02	0.05	0.024
411	61+49.06	2269079.09	6102328.01	481.11	0.02	0.05	0.029
412	61+11.21	2269045.88	6102345.78	479.73	0.00	0.03	0.032
413	59+91.74	2268945.70	6102409.71	475.33	0.03	0.02	0.013
414	59+89.77	2268944.08	6102410.80	475.27	0.02	0.03	0.029
415	59+52.11	2268914.24	6102433.50	474.01	0.01	0.02	0.021
416	59+50.11	2268912.71	6102434.78	473.96	0.02	0.02	0.026
417	59+12.25	2268883.66	6102458.76	472.61	0.02	0.03	0.015
418	58+72.24	2268853.89	6102485.21	471.20	0.00	0.01	0.006
419	58+32.56	2268825.42	6102512.55	469.66	0.03	0.03	-0.008
420	56+73.61	2268723.01	6102632.91	463.72	0.01	0.01	0.003
421	56+72.08	2268721.95	6102634.02	463.67	0.07	0.02	0.000
422	56+33.68	2268700.26	6102665.50	462.14	0.05	0.03	0.032
423	56+31.67	2268699.27	6102667.25	462.11	0.00	0.01	0.027
424	55+93.87	2268679.42	6102699.20	460.57	-0.03	-0.02	0.019
425	54+34.63	2268606.96	6102840.25	454.50	0.02	0.02	0.001
426	54+32.69	2268606.05	6102841.98	454.45	0.05	0.04	0.000
427	53+92.72	2268589.62	6102878.41	452.86	0.02	0.01	-0.001
428	62+30.69	2269149.44	6102285.60	484.10	0.01	0.00	0.036
429	62+56.01	2269173.05	6102276.12	485.12	0.01	0.00	0.030
430	62+53.36	2269170.60	6102277.16	485.02	0.02	-0.03	0.034
431	53+94.72	2268590.31	6102876.53	452.95	0.02	0.03	-0.003

QUARTERLY DATA					DATE OF SURVEY: 01/28/25		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.42	2269334.905	6102241.77	492.69	0.01	0.01	0.041
401	64+19.31	2269332.832	6102242.09	492.57	0.01	0.01	0.038
402	63+01.47	2269219.831	6102272.21	486.83	0.01	0.00	0.032
403	62+99.42	2269217.876	6102272.77	486.76	0.02	0.01	0.024
404	62+55.90	2269176.415	6102285.30	485.08	0.01	0.00	0.029
405	62+53.92	2269174.466	6102285.72	484.97	0.02	0.03	0.032
406	62+30.52	2269152.826	6102294.32	484.08	0.02	0.04	0.015
407	62+28.44	2269150.951	6102295.22	483.98	0.00	0.01	0.018
408	61+90.69	2269116.500	6102310.18	482.58	-0.01	0.01	0.023
409	61+88.70	2269114.628	6102310.86	482.53	0.01	0.05	0.020
410	61+51.17	2269080.994	6102327.11	481.17	0.02	0.05	0.038
411	61+49.06	2269079.097	6102328.01	481.10	0.01	0.05	0.040
412	61+11.20	2269045.863	6102345.77	479.75	0.02	0.04	0.013
413	59+91.74	2268945.704	6102409.72	475.30	0.03	0.01	0.036
414	59+89.77	2268944.067	6102410.80	475.25	0.03	0.03	0.051
415	59+52.10	2268914.242	6102433.51	473.99	0.01	0.01	0.044
416	59+50.12	2268912.729	6102434.78	473.95	0.00	0.01	0.045
417	59+12.26	2268883.671	6102458.75	472.60	0.01	0.03	0.020
418	58+72.24	2268853.904	6102485.21	471.20	-0.01	0.00	0.010
419	58+32.56	2268825.431	6102512.57	469.65	0.01	0.01	0.002
420	56+73.63	2268723.016	6102632.90	463.71	0.00	0.02	0.008
421	56+72.08	2268721.941	6102634.02	463.66	0.07	0.03	0.007
422	56+33.68	2268700.249	6102665.49	462.14	0.06	0.04	0.034
423	56+31.65	2268699.259	6102667.26	462.12	0.01	0.00	0.019
424	55+93.87	2268679.424	6102699.20	460.56	-0.03	-0.01	0.031
425	54+34.62	2268606.945	6102840.25	454.48	0.03	0.02	0.017
426	54+32.67	2268606.053	6102841.99	454.43	0.05	0.03	0.016
427	53+92.70	2268589.633	6102878.44	452.85	0.00	-0.02	0.014
428	62+30.70	2269149.453	6102285.61	484.13	0.00	-0.01	0.015
429	62+56.00	2269173.039	6102276.13	485.14	0.03	-0.01	0.013
430	62+53.37	2269170.599	6102277.16	485.04	0.02	-0.03	0.014
431	53+94.70	2268590.329	6102876.56	452.93	0.00	0.00	0.023

QUARTERLY DATA					DATE OF SURVEY: 04/01/25		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.41	2269334.892	6102241.778	492.698	0.02	0.01	0.032
401	64+19.30	2269332.823	6102242.094	492.582	0.02	0.00	0.028
402	63+01.45	2269219.812	6102272.22	486.824	0.03	-0.01	0.036
403	62+99.43	2269217.889	6102272.788	486.76	0.01	0.00	0.020
404	62+55.88	2269176.405	6102285.32	485.083	0.02	-0.02	0.027
405	62+53.90	2269174.454	6102285.73	484.979	0.03	0.02	0.021
406	62+30.53	2269152.837	6102294.318	484.072	0.01	0.03	0.018
407	62+28.43	2269150.948	6102295.23	483.977	0.00	0.00	0.023
408	61+90.70	2269116.505	6102310.188	482.577	-0.02	0.00	0.023
409	61+88.70	2269114.633	6102310.871	482.529	0.00	0.04	0.021
410	61+51.18	2269080.999	6102327.104	481.188	0.01	0.06	0.022
411	61+49.07	2269079.107	6102328.013	481.114	0.00	0.05	0.026
412	61+11.22	2269045.884	6102345.771	479.73	0.00	0.05	0.030
413	59+91.76	2268945.737	6102409.72	475.333	-0.01	0.01	0.007
414	59+89.79	2268944.104	6102410.81	475.278	-0.01	0.02	0.022
415	59+52.13	2268914.27	6102433.505	474.013	-0.02	0.01	0.017
416	59+50.14	2268912.753	6102434.778	473.971	-0.02	0.01	0.019
417	59+12.26	2268883.693	6102458.787	472.61	-0.01	0.00	0.010
418	58+72.24	2268853.931	6102485.238	471.219	-0.03	-0.02	-0.009
419	58+32.54	2268825.427	6102512.594	469.702	0.02	-0.01	-0.052
420	56+73.63	2268723.03	6102632.91	463.718	-0.01	0.01	0.002
421	56+72.10	2268721.957	6102634.016	463.671	0.05	0.03	-0.001
422	56+33.69	2268700.252	6102665.482	462.141	0.06	0.05	0.029
423	56+31.67	2268699.258	6102667.241	462.109	0.01	0.02	0.031
424	55+93.88	2268679.398	6102699.176	460.547	0.00	0.01	0.043
425	54+34.65	2268606.961	6102840.233	454.497	0.02	0.04	0.003
426	54+32.69	2268606.063	6102841.974	454.448	0.04	0.05	0.002
427	53+92.73	2268589.646	6102878.415	452.861	-0.01	0.00	-0.001
428	62+30.70	2269149.458	6102285.625	484.114	0.00	-0.03	0.026
429	62+56.01	2269173.054	6102276.143	485.128	0.01	-0.02	0.022
430	62+53.36	2269170.595	6102277.173	485.028	0.02	-0.05	0.022
431	53+94.73	2268590.332	6102876.53	452.955	0.00	0.03	-0.005

QUARTERLY DATA					DATE OF SURVEY: 06/06/25		
POINT #	STATION	Northing (ft)	Easting (ft)	Elev (ft)	Delta N	Delta E	Delta H
400	64+21.43	2269334.897	6102241.778	492.719	0.02	0.01	0.01
401	64+19.32	2269332.830	6102242.090	492.605	0.02	0.01	0.00
402	63+01.48	2269219.820	6102272.205	486.853	0.02	0.00	0.01
403	62+99.44	2269217.893	6102272.780	486.787	0.01	0.01	-0.01
404	62+55.91	2269176.405	6102285.305	485.110	0.02	-0.01	0.00
405	62+53.93	2269174.459	6102285.712	485.004	0.03	0.04	0.00
406	62+30.53	2269152.824	6102294.314	484.097	0.02	0.04	-0.01
407	62+28.43	2269150.943	6102295.219	484.003	0.00	0.01	0.00
408	61+90.68	2269116.496	6102310.173	482.585	-0.01	0.01	0.02
409	61+88.69	2269114.626	6102310.865	482.547	0.01	0.05	0.00
410	61+51.16	2269080.985	6102327.108	481.211	0.02	0.06	0.00
411	61+49.05	2269079.095	6102328.012	481.136	0.02	0.05	0.00
412	61+11.20	2269045.859	6102345.757	479.762	0.02	0.06	0.00
413	59+91.76	2268945.713	6102409.716	475.330	0.02	0.01	0.01
414	59+89.78	2268944.069	6102410.798	475.275	0.03	0.03	0.03
415	59+52.10	2268914.246	6102433.504	474.012	0.00	0.02	0.02
416	59+50.11	2268912.728	6102434.777	473.986	0.00	0.02	0.00
417	59+12.25	2268883.662	6102458.765	472.625	0.02	0.02	0.00
418	58+72.23	2268853.897	6102485.197	471.226	0.00	0.02	-0.02
419	58+32.56	2268825.423	6102512.562	469.670	0.02	0.02	-0.02
420	56+73.61	2268723.017	6102632.905	463.729	0.00	0.01	-0.01
421	56+72.10	2268721.943	6102634.018	463.698	0.07	0.03	-0.03
422	56+33.68	2268700.241	6102665.488	462.168	0.07	0.05	0.00
423	56+31.66	2268699.255	6102667.240	462.140	0.01	0.02	0.00
424	55+93.87	2268679.400	6102699.177	460.581	-0.01	0.01	0.01
425	54+34.63	2268606.962	6102840.247	454.493	0.01	0.02	0.01
426	54+32.67	2268606.064	6102841.985	454.444	0.03	0.03	0.01
427	53+92.72	2268589.634	6102878.418	452.856	0.00	0.00	0.00
428	62+30.71	2269149.448	6102285.612	484.140	0.01	-0.01	0.00
429	62+56.03	2269173.039	6102276.134	485.158	0.03	-0.01	-0.01
430	62+53.40	2269170.595	6102277.162	485.048	0.02	-0.04	0.00
431	53+94.69	2268590.324	6102876.542	452.950	0.00	0.02	0.00