

SWO 4488(1) - U.S. 62 & Rogers Lane - Comanche County  
 Cogo List  
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PT. NO.	EASTING	NORTHING	ELEVATION	PT. NO.	EASTING	NORTHING	ELEVATION
11244	1852239.09430	475362.78259		11372	1851446.36704	473920.32294	
11251	1852264.83345	476637.47862		11373	1851469.07559	474063.53370	
11252	1850992.72742	476663.16546		11381	1852509.74770	478212.80940	
11253	1852252.91104	476838.80949		11382	1858057.29426	476779.76229	
11254	1852266.87570	476738.61801		11383	1852328.86363	476897.99653	
11261	1852214.79179	477112.30162		11384	1852342.65009	477565.94878	
11262	1853348.11647	477270.26407		11391	1852659.35483	478192.22734	
11263	1852220.11738	477462.60499		11392	1858206.90139	476759.18024	
11264	1852190.32170	477287.86581		11393	1852478.47076	476877.41448	
11271	1852220.11738	477462.60499		11394	1852492.25723	477545.36672	
11272	1855039.74444	476981.81582		11401	1852461.33684	478225.31493	
11273	1852253.18124	477627.19987		11402	1858057.29426	476779.76229	
11274	1852234.23311	477545.38784		11403	1852278.87427	476899.02831	
11281	1850637.77848	475057.60218		11411	1852707.76570	478179.72181	
11282	1850618.57950	475821.26075		11412	1858206.90139	476759.18024	
11283	1851097.24333	475225.92559		11413	1852528.46011	476876.38270	
11284	1850895.96530	475064.09320		11421	1850370.71697	474633.06381	
11291	1851530.65284	475574.39729		11422	1848491.23933	474490.73199	
11292	1851010.78972	476220.97382		11423	1850362.02470	474720.63778	
11293	1851840.05694	476195.77962		11431	1850362.02470	474720.63778	
11294	1851828.45300	475813.83580		11432	1850381.02812	474766.88570	
11301	1851840.05694	476195.77962		11433	1850420.45755	474797.63175	
11302	1854746.36815	476107.48218		11441	1850426.19655	474798.47072	
11303	1851889.36375	476647.82203		11442	1850706.93106	472909.35699	
11304	1851846.98250	476423.73450		11443	1850711.98781	474819.20960	
11311	1850938.25048	475245.87744		11451	1850419.53378	474649.98333	
11312	1850526.50643	475872.74811		11452	1848491.23933	474490.73199	
11313	1851276.50483	475874.29927		11453	1850411.73394	474726.06354	
11321	1851775.87089	476300.99887		11461	1850411.73394	474726.06354	
11322	1851086.55605	476301.59495		11462	1850431.58546	474728.49608	
11323	1851756.93016	476462.07503		11463	1850428.59235	474748.27085	
11331	1851819.57247	476615.88555		11471	1850428.59235	474748.27085	
11332	1854815.32560	476107.03279		11472	1850706.93106	472909.35699	
11333	1851865.21817	476835.27320		11473	1850711.85543	474769.20978	
11341	1851820.58262	477106.35597		11481	1850386.91954	474723.02286	
11342	1851377.54391	477627.46345		11482	1850431.58546	474728.49608	
11343	1852004.19857	477353.34625		11483	1850424.85095	474772.98931	
11351	1851477.68916	474117.85502		11491	1850424.85095	474772.98931	
11352	1851501.18073	474266.00409		11492	1850706.93106	472909.35699	
11353	1851378.79008	474179.28311		11493	1850711.92162	474794.20969	
11361	1851469.07559	474063.53370		11501	1851149.65814	474656.34804	
11362	1851501.18073	474266.00409		11502	1851512.05422	474655.38851	
11363	1851334.75053	474146.31286		11503	1851149.73118	474648.04999	
11371	1851581.74772	473972.25625		11511	1851224.57499	474533.12733	

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PT. NO.	EASTING	NORTHING	ELEVATION
11512	1851512.05422	474655.38851	
11513	1851199.65797	474656.21565	
11521	1851378.79008	474179.28311	
11522	1851501.18073	474266.00409	
11523	1851363.15196	474207.28391	
11531	1851551.61274	474098.42839	
11532	1851501.18073	474266.00409	
11533	1851340.13946	474197.51532	
11541	1851338.75454	474149.31047	
11542	1851501.18073	474266.00409	
11543	1851317.13433	474187.73154	
11551	1851201.56909	474523.34322	
11552	1851512.05422	474655.38851	
11553	1851174.65805	474656.28184	
11561	1851067.08470	474213.26731	
11562	1851068.41500	474715.72555	
11563	1851262.52076	474252.27220	
11571	1851067.01851	474188.26740	
11572	1851068.41500	474715.72555	
11573	1851272.17853	474229.21298	
11581	1851067.15089	474238.26722	
11582	1851068.41500	474715.72555	
11583	1851252.86299	474275.33142	
11591	1851043.68262	474503.33027	
11592	1851044.59658	474848.51906	
11593	1851172.96018	474528.08354	
11601	1851043.61643	474478.33036	
11602	1851044.59658	474848.51906	
11603	1851182.25677	474504.87635	
11611	1851043.74881	474528.33018	
11612	1851044.59658	474848.51906	
11613	1851163.66359	474551.29072	
11621	1851164.78017	474551.79037	
11622	1851512.05422	474655.38851	
11623	1851149.73118	474648.04999	

CHECKLEVELS		SWO 4488(1)			BENCH MARKS LIST			(ENGLISH) (NGS) NAVD 88 DATUM	
BM No.	1st. RUN	2nd. RUN	3rd. RUN	MEAN DIFF.	ADJ. DIFF.	ADJ. ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	
BM #8						1174.5841		Top 1/2" iron pin & ODOT Mon. No. C-16-784, 0.4' Rt. Sta. 151+30. = Top 1/2" iron pin & ODOT Mon. No. C-16-784 Control Monument on SWO 3848(1) Metric Survey on centerline of survey Sta. 11+785.824.	
BM #9	-2.874	-2.883		-2.8885	-2.8843		1171.9297	"X" in cent. of south HDWL of Skewed cross-drain 52' Rt. Sta. 181+55	
BM #10	-2.232	-2.216		-2.2240	-2.2208		1169.7091	"X" in cent. of south HDWL of cross-drain 59' Rt. Sta. 169+87	
BM #11	+2.320	+2.322		+2.3210	+2.3237		1172.0328	Top 2" ODOT Alum. Cap No. C-16-1078, 67' Rt. Sta. 176+20	
BM #12	-16.988	-16.974		-16.971	-16.9679		1155.0649	"X" in cent. of south HDWL of cross-drain 56' Rt. Sta. 183+48	
BM #13	+8.858	+8.881		+8.8895	+8.8730		1163.9379	Top 1/2" Iron Pin in grass median 0.3' Lt. Sta. 191+88	
BM #14	-11.119	-11.130		-11.1245	-11.1213		1152.8165	NW Cor. Conc. Walk 49' Rt. Sta. 196+87	
BM #15	-0.982	-0.986		-0.9840	-0.9820		1151.8545	NW Cor. Conc. Walk by water & air hoses at E-Z Go Convenience Store 44' Rt. Sta. 204+53	
BM #16	+2.805	+2.812		+2.8085	+2.8102		1154.8848	Top COL Alum. Cap Stamped 09A7 in grass median 13' Lt. Sta. 208+85	
BM #17	-8.887	-8.887		-8.882	-8.8872		1144.7778	Top 1/2" Iron Pin 58' Lt. Sta. 220+52	
BM #18	+1.278	+1.273		+1.2755	+1.2767		1146.0543	"X" in cent. of south HDWL of cross-drain 36' Rt. Sta. 223+17	
BM #19	+15.384	+15.388		+15.3850	+15.3885		1161.4228	60d in Power Pole 58' Rt. Sta. 231+90	
BM #20	+24.873	+24.889		+24.8810	+24.8834		1186.1062	80d in Power Pole 57' Rt. Sta. 237+88	

CHECKLEVELS		SWO 4488(1)			BENCH MARKS LIST			(ENGLISH) (NGS) NAVD 88 DATUM	
BM No.	1st. RUN	2nd. RUN	3rd. RUN	MEAN DIFF.	ADJ. DIFF.	ADJ. ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	
BM #21	-4.422	-4.429		-4.4255	-4.4243		1181.8819	80d in Power Pole 58' Rt. Sta. 240+90	
BM #22	-14.887	-14.880		-14.8835	-14.8819		1167.0000	North Cor. of brick flower bed & sign 43' Rt. Sta. 245+00	
BM #23	-18.438	-18.446		-18.441	-18.4392		1148.5808	R.R. Spk. in Power Pole 59' Rt. Sta. 248+57	
BM #24	-7.352	-7.356		-7.3540	-7.3521		1141.2087	80d in Power Pole 59' Rt. Sta. 253+28	
BM #25	-8.991	-8.989		-8.9900	-8.9886		1132.2201	"I" in N.W. Cor. of south HDWL skewed cross-drain 104' Rt. Sta. 258+74	
BM #26	+12.481	+12.488		+12.4845	+12.4858		1144.7059	Top COL Alum. Cap Stamped 09A1 in center median 1.3' Lt. Sta. 257+18	
BM #27	-4.249	-4.251		-4.2500	-4.2485		1140.4574	"I" in S.E. Cor. of south HDWL skewed cross-drain 54' Rt. Sta. 280+81	
BM #28	+10.811	+10.817		+10.8140	+10.8158		1151.0732	Top of N.E. bolt on east end of south guard rail 29' Rt. Sta. 284+71	
BM #29	+27.294	+27.258		+27.2760	+27.2788		1178.3521	Top 1/2" Iron Pin 41' Lt. Sta. 271+14	
BM #30	+8.318	+8.339		+8.3275	+8.3292		1186.8813	"I" in N.E. Cor. of east conc. curb at 34 <sup>th</sup> . Street 23' Rt. Sta. 275+11	
BM #31	-13.440	-13.449		-13.4445	-13.4400		1173.2413	"X" in north conc. curb at 24 <sup>th</sup> . Street 6' Lt. Sta. 285+90	
BM #32	+7.113	+7.114		+7.1135	+7.1159		1180.3571	Center of San. Sewer M.H. in center median 37' Lt. Sta. 291+79	
BM #33	+24.826	+24.792		+24.8090	+24.8110		1205.1887	Top 1/2" Iron Pin 154' Lt. Sta. 297+97	
	+22.447	+22.475		+22.4610	+22.4644				

CHECKLEVELS		SWO 4488(1)			BENCH MARKS LIST			(ENGLISH) (NGS) NAVD 88 DATUM	
BM No.	1st. RUN	2nd. RUN	3rd. RUN	MEAN DIFF.	ADJ. DIFF.	ADJ. ELEV.	PUBLISHED ELEV.	BM DESCRIPTION	
BM #34						1227.6332		Top 2" ODOT Alum. Cap No. C-16-1079, 188' Lt. Sta. 306+51	
BM #35	+0.937	+0.919		+0.9280	+0.9300		1228.5632	"I" on N.W. cor. conc. side walk at end of parapet wall 165' Lt. Sta. 311+60	
BM #36	-29.136	-29.143		-29.1395	-29.1324		1199.4303	S.W. Cor. steel curb inlet 28' Rt. Sta. 329+18	
BM #37	-8.838	-8.851		-8.8445	-8.8392		1190.7917	S.W. Cor. steel curb inlet 25' Rt. Sta. 342+19	
BM #38	-24.078	-24.078		-24.077	-24.0708		1166.7209	"X" on north edge of SS M.H. 34' Rt. Sta. 354+13	
BM #39	-0.532	-0.537		-0.5345	-0.5309		1166.1900	"X" in conc. median & SW Cor. Sec. 18, T-2-N, R-11-W, I.M. ODOT Mon. No. C-16-888 on centerline of survey Sta. 363+11.07	
BM #40	-28.908	-28.909		-28.9085	-28.9039		1137.2881	West end conc. Median 20' Lt. Sta. 372+04	
BM #41	-0.899	-0.894		-0.8965	-0.8944		1138.3917	Top 1/2" Iron Pin 14' Lt. Sta. 377+35	
BM #42	-2.983	-2.980		-2.9815	-2.9771		1133.4146	"X" in cent. of south HDWL of skewed cross-drain 32' Rt. Sta. 388+34	
BM #43	+1.557	+1.541		+1.5490	+1.5532		1134.9878	"I" on S.E. Cor. south HDWL of cross-drain 27' Rt. Sta. 396+43	
BM #44	+8.823	+8.834		+8.8285	+8.8352		1144.8030	Top COL 2" Alum. Cap on NW end of overpass on I-44	
BM #45	-4.300	-4.280		-4.2900	-4.2940		1140.3090	1140.3090 Top of stem, H.A.R.N. Mon. "TWO" & ODOT Mon. No. C-16-1081 = BM #3 SWO 3748(1) I-44 Survey, H.A.R.N. Mon	