

CHECK LEVELS SWO 4564(1), J/P 24261(04) & 24263(04) BENCH MARK LIST NAVD 88 DATUM							
BM NO.	RUN 1	RUN 2	MEAN DIFF.	ADJ. DIFF.	ADJ. ELEV.	PUBLISHED ELEV.	BM DESCRIPTION
O-57-179						870.098	FOUND ODOT BRASS MONUMENT STAMPED "O-57-179" - 15' RT. STA. 1029+22
TO	-9.910	-9.890	-9.900				
BM 7					860.200		80D NAIL IN 18" TREE - 82' RT. STA. 1037+25
TO	5.300	5.300	5.300				
O-57-935					865.501	*865.599	#4 BAR WITH "LEMKE CONTROL" CAP - 43' LT. STA. 1043+69
TO	5.990	6.000	5.995				
BM 8					871.498		80D NAIL IN 18" TWIN TRUNK TREE - 80' RT. STA. 1043+00
TO	-9.660	-9.640	-9.650				
BM 9					861.849		80D NAIL IN 16" TREE - 59' RT. STA. 1048+16
TO	-9.730	-9.730	-9.730				
BM 420					852.121	852.121	NW CORNER OF WEST HEADWALL CULVERT FROM OLD PLANS, FAP 416-C STA 1051+80
TO	-3.460	-3.460	-3.460				
BM 10					848.665		80D NAIL IN 18" TREE - 74' RT. STA. 1056+52
TO	4.460	4.460	4.460				
BM 421					853.128	853.091	NW CORNER OF WEST HEADWALL CULVERT FROM OLD PLANS, FAP 416-C STA 1057+46
TO	-22.770	-22.770	-22.770				
BM 11					830.362		80D NAIL IN 30" TREE - 77' RT. STA. 1066+12
TO	-4.810	-4.810	-4.810				
O-57-27					825.555		FOUND ODOT BRASS MONUMENT STAMPED "O-57-27" - 18' RT. STA. 1067+10
TO	21.040	21.040	21.040				
BM 12					846.599		80D NAIL IN 22" TREE - 64' RT. STA. 1073+35
TO	16.560	16.550	16.555				
BM 13					863.157		80D NAIL IN 28" TREE - 68' RT. STA. 1076+76
TO	7.120	7.130	7.125				
O-57-936					870.286	*870.159	#4 BAR WITH "LEMKE CONTROL" CAP - 28' RT. STA. 1080+91
TO	3.990	3.970	3.980				
BM 14					874.270		80D NAIL IN 18" TREE - 73' RT. STA. 1081+47
TO	-3.390	-3.370	-3.380				
BM 422					870.893	871.251	NE CORNER OF EAST HEADWALL CULVERT FROM OLD PLANS, FAP 416-C STA 1090+00
TO	5.930	5.930	5.930				
BM 15					876.827		80D NAIL IN 20" TREE - 112' RT. STA. 1085+87
TO	-3.580	-3.590	-3.585				
BM 16					873.245		80D NAIL IN 10" TREE - 90' RT. STA. 1090+67
TO	4.790	4.770	4.780				
BM 17					878.029		80D NAIL IN 18" TREE - 99' LT. STA. 1094+37
TO	9.530	9.520	9.525				
BM 18					887.557		TOP OF GAS VENT PIPE - 102' LT. STA. 1098+54
TO	-3.080	-3.080	-3.080				
BM 423					884.481	884.481	NE CORNER OF EAST HEADWALL CULVERT FROM OLD PLANS, FAP 416-C STA 1107+00
TO	3.470	3.470	3.470				
BM 19					887.951		80D NAIL IN 14" TREE - 187' RT. STA. 1106+59
TO	0.710	0.720	0.715				
O-57-937					888.666	*888.742	#4 BAR WITH "LEMKE CONTROL" CAP - 42' LT. STA. 1112+57
TO							

\* INDICATES THE PUBLISHED ELEVATION SHOWN HAS BEEN DERIVED FROM STATIC GPS OBSERVATIONS USING CORS

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O-57-179						870.098	FOUND ODOT BRASS MONUMENT STAMPED "O-57-179" - 15' RT. STA. 1029+22
TO	3.070	3.070	3.070				
BM 6					873.168		80D NAIL IN 16" TREE - 114' RT. STA. 1025+71
TO	10.140	10.150	10.145				
O-57-934					883.313	*883.328	#4 BAR WITH "LEMKE CONTROL" CAP - 43' RT. STA. 1021+15
TO	2.600	2.600	2.600				
BM 5					885.913		80D NAIL IN 14" TREE - 138' RT. STA. 1018+97
TO	-17.030	-17.010	-17.020				
BM 4					868.893		80D NAIL IN 16" TREE - 77' RT. STA. 1011+30
TO	-2.400	-2.390	-2.395				
BM 3					866.498		80D NAIL IN 14" TREE - 69' LT. STA. 1002+80
TO	1.230	1.230	1.230				
O-57-933					867.728	*867.944	#4 BAR WITH "LEMKE CONTROL" CAP - 41' RT. STA. 1003+10
TO	-0.680	-0.680	-0.680				
BM 2					867.048		80D NAIL IN 12" TREE - 60' RT. STA. 991+95
TO	12.800	12.790	12.795				
O-57-932					879.843	*879.831	#4 BAR WITH "LEMKE CONTROL" CAP - 37' RT. STA. 984+89
TO							

SWO 4564(1) STATE JOB NO. 24261(04), 24263(04)

Horizontal Alignment PI Station and curve Report.  
Alignment: SWO4564\_1\_ALIGNMENT

PI Station	Northing	Easting
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Tangent Data		
BEG(301)995+00.000	570974.2021	2461328.2393
999+82.310	571344.9059	2461636.7713
Length: 1544.219'	Course: N 39°46'12.61"E	
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Curve No. 1 Data		
PC(303)999+82.310	571344.9059	2461328.2393
PI(304)1010+44.229	572161.1143	2462316.0908
PT(306)1020+82.308	573166.5568	2462657.7873
Delta: 21°00'00.00"	Type: Left	
Radius: 5729.600'	Tangent: 1061.9186'	
Length: 2100.008'	Course: N29°16'12.61"E	
Chord: 2088.2733'		
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Tangent Data		
PT(306)1020+82.308	573166.5568	2462657.7873
PC(308)1038+68.808	574858.0452	2463232.6343
Length: 1786.500'	Course: N18°46'12.61"E	
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Curve No. 2 Data		
PC(308)1038+68.808	574858.0452	2463232.6343
PI(309)1044+00.859	575109.9224	2463318.2340
PT(310)1044+00.000	575352.7843	2463426.8044
Delta: 5°19'00.00"	Type: Right	
Radius: 5729.600'	Tangent: 266.025'	
Length: 531.669'	Course: N21°25'42.61"E	
Chord: 531.478'		
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Tangent Data		
PT(310)1044+00.000	575352.7843	2463426.8044
PC(315)1082+93.977	578907.2694	2465015.8223
Length: 3893.500'	Course: N24°05'12.61"E	
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Curve No. 3 Data		
PC(315)1082+93.977	578907.2694	2465015.8223
PI(318)1096+70.547	579535.6241	2465296.7257
PT(319)1096+63.982	575352.7843	2463426.8044
Delta: 13°42'00.00"	Type: Left	
Radius: 5729.600'	Tangent: 688.285'	
Length: 1370.005'	Course: N17°14'12.61"E	
Chord: 1366.744'		
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Tangent Data		
PT(319)1096+63.982	575352.7843	2463426.8044
END(321)1108+00.000	581330.0321	2465625.6351
Length: 1136.018'	Course: N10°23'12.61"E	

NAME	EASTING (X)	NORTHING (Y)	NAME	EASTING (X)	NORTHING (Y)
301	2461328.2393	570974.2021	7647	2465175.1800	579159.7509
302	2461482.7863	571159.8916	7648	2465067.2150	579158.2410
303	2461636.7713	571344.9059	7649	2465100.7972	579245.3057
304	2462316.0908	572161.1143	7650	2465246.8532	579881.1745
305	2462564.3378	572911.5815	7651	2465295.3623	579869.0559
306	2462657.7873	573166.5568	7652	2465392.3806	579844.8186
307	2462879.6138	573819.2817	7653	2465440.8898	579832.6999
308	2463232.6343	574858.0452	7654	2465519.1801	580194.6009
309	2463318.2340	575109.9224	7655	2465322.4575	580230.6595
310	2463426.8044	575352.7843	7656	2465383.0392	580561.1711
311	2463834.7305	576265.2770	7657	2465432.2199	580552.1565
312	2463931.2729	576481.2334	7658	2465530.5812	580534.1271
313	2464242.8512	577178.2050	7659	2465579.7618	580525.1125
314	2464650.9719	578091.1330	7660	2465674.8157	581321.0175
315	2465015.8223	578907.2694	7661	2465576.4544	581339.0468
316	2465103.5251	579114.2580	8001	2463730.8834	581779.5387
317	2465121.3307	579159.2372	8002	2463778.9178	579128.4944
318	2465296.7257	579535.6241	8003	2464870.6297	578459.9742
319	2465420.8188	580212.6302	8004	2464966.6684	578137.4334
320	2465523.2269	580771.3312	8005	2465122.8468	578141.0395
321	2465625.6351	581330.0321	8006	2465129.0001	577831.1006
322	2462947.6054	574019.3471	8007	2464584.5044	577819.9386
1001	2459930.3491	569294.6247	8008	2464473.9536	577817.6724
1002	2465711.9352	581800.8539	8009	2463808.1641	577804.0239
1003	2462128.4630	573628.1126	8010	2462487.3282	577776.9472
1004	2463720.3181	574388.4061	8011	2464473.9731	577572.6903
7601	2461289.8085	571006.1875	8012	2464858.5406	577408.3763
7602	2461366.6702	570942.2166	8013	2465147.0670	576912.9257
7603	2461417.0396	571159.0568	8014	2463837.4105	576479.5534
7604	2461548.5330	571160.7264	8015	2463878.5594	573835.3635
7605	2461675.2021	571312.9204	8016	2461206.0617	573804.1504
7606	2461598.3404	571376.8914	8017	2461248.0762	571156.9115
7607	2462566.4792	572783.8072	8018	2461288.8179	568512.4675
7608	2462562.0837	573046.0803	9001	2462362.5600	584285.4500
7609	2462560.9072	573116.2764	9002	2464992.2719	584336.5164
7610	2462677.8488	573072.0520	9003	2467618.0900	584367.9100
7611	2462701.4012	573063.6684	9004	2462415.2893	581765.4913
7612	2462728.7985	573142.4238	9005	2465046.4775	581793.5860
7613	2462586.7760	573190.6897	9006	2467677.7478	581821.6815
7614	2462799.9652	573817.9994	9007	2462455.2000	579097.9300
7615	2462830.5639	573908.0362	9008	2465102.6356	579159.0588
7616	2462150.0121	573582.9945	9009	2467730.6501	579184.1278
7617	2462106.9140	573673.2306	9010	2462519.4564	576455.9645
7618	2462959.2623	573820.5639	9011	2465155.3646	576503.1423
7619	2463019.6872	573998.3643	9012	2467804.9385	576550.5648
7620	2463741.8671	574343.2881	9013	2457181.6100	573746.3300
7621	2463698.7690	574433.5242	9014	2459862.9090	573794.3382
7622	2463285.2906	574236.0408	9015	2462549.2144	573813.9626
7623	2462875.5236	574040.3300	9016	2465207.9043	573856.7644
7624	2463001.1202	574409.8982	9017	2467879.2270	573917.0018
7625	2462930.1089	574434.0312	9018	2457214.8625	571105.7021
7626	2462962.2862	574528.7129	9019	2459902	