

SURVEY TIES FOR CONTROL POINT DATA

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	I.80	2948+61.98	2.4622 RT	SIGN
501	I.80	2948+20.12	28.3404 RT	SHOULDER
502	I.80	2948+21.20	28.1148 LT	SHOULDER
506	I.80	2983+08.43	1.6911 RT	GUARDRAIL STEEL PLATE BEAM
507	I.80	2983+67.18	1.3407 RT	PIER
508	I.80	2983+65.01	65.951 LT	PIER
512	I.80	3017+65.64	1.0730 RT	HEADWALL
513	I.80	3017+16.01	1.4554 RT	HEADWALL
514	I.80	3017+61.53	2.2913 RT	SIGN
515	I.80	3043+20.00	92.5474 RT	TREE (DECIDUOUS) 10" DIA.
516	I.80	3043+39.95	14.8358 RT	DRAINAGE MARKER
517	I.80	3043+38.26	14.3909 LT	END SECTION FLARED
527	I.80	3105+42.73	77.3834 RT	DRAINAGE MARKER
528	I.80	3104+73.46	94.2496 RT	POLE, SIGN 256
529	I.80	3106+49.81	113.8377 RT	TREE DECIDUOUS : UNIT
530	I.80	3130+32.95	104.1797 RT	TREE DECIDUOUS : UNIT
531	I.80	3131+37.54	66.2971 RT	SHOULDER
532	I.80	3130+85.39	66.1331 RT	SHOULDER
536	I.80	3166+29.97	9.7100 LT	END SECTION FLARED
537	I.80	3166+59.26	13.5856 RT	POLE - SIGN
538	I.80	3166+05.65	2.4537 LT	G.R. STEEL PLATE BEAM
539	I.80	3194+39.77	0.0854 LT	G.R. STEEL PLATE BEAM
540	I.80	3195+00.68	1.3378 RT	PIER
541	I.80	3195+01.12	68.5399 RT	PIER
545	I.80	3244+38.72	8.9859 RT	DRAINAGE MARKER
546	I.80	3245+34.98	16.7440 LT	DRAINAGE MARKER
547	I.80	3247+70.01	1.3292 LT	G.R. STEEL PLATE BEAM
548	I.80	3267+80.03	118.3532 RT	TREE (DECIDUOUS) 12" DIA.
549	I.80	3268+01.10	112.6648 RT	TREE (DECIDUOUS) 18" DIA.
550	I.80	3268+39.37	93.1451 RT	END SECTION FLARED
554	I.80	3315+44.38	54.6931 RT	PAVEMENT STATION NUMBER
555	I.80	3315+38.67	16.3658 RT	DRAINAGE MARKER
556	I.80	3315+37.42	75.2348 RT	DRAINAGE MARKER
557	I.80	3341+65.15	65.0388 RT	SHOULDER
558	I.80	3341+42.85	66.1558 RT	SHOULDER
559	I.80	3341+91.57	65.6757 RT	SHOULDER
563	I.80	3387+39.34	17.4267 RT	DRAINAGE MARKER
564	I.80	3387+37.15	17.3570 LT	DRAINAGE MARKER
565	I.80	3390+18.10	28.3492 RT	SHOULDER
566	I.80	3411+50.19	64.3673 RT	SHOULDER
567	I.80	3412+39.26	78.9014 RT	DRAINAGE MARKER
568	I.80	3412+64.87	113.1959 RT	FENCE POST
569	I.80	3421+94.13	66.1397 RT	SHOULDER
570	I.80	3422+39.38	76.0419 RT	DRAINAGE MARKER
571	I.80	3422+38.42	14.3172 RT	DRAINAGE MARKER
575	I.80	3462+78.47	24.9892 RT	WINGWALL, TOP
576	I.80	3462+49.68	24.8977 LT	WINGWALL, TOP
577	I.80	3462+00.00	0.0538 LT	DROP BOX
578	I.80	3490+31.33	28.3308 RT	SHOULDER
579	I.80	3490+30.32	28.1211 LT	SHOULDER
580	I.80	3490+77.88	2.5957 LT	POLE, SIGN 256
587	I.80	3553+95.28	129.8053 RT	FENCE POST
588	I.80	3553+72.22	134.6312 RT	POLE - SIGN
589	I.80	3554+29.95	64.4250 RT	SHOULDER
590	I.80	3570+26.83	65.3346 RT	SHOULDER
591	I.80	3570+00.59	65.3589 RT	SHOULDER
592	I.80	3569+72.96	65.4223 RT	SHOULDER
602	I.80	3645+60.94	65.5923 RT	SHOULDER
603	I.80	3645+86.73	65.2439 RT	SHOULDER
604	I.80	3646+12.77	65.3270 RT	SHOULDER
605	I.80	3675+26.94	124.4519 RT	FENCE POST
606	I.80	3675+65.92	124.2644 RT	FENCE POST
607	I.80	3675+70.31	73.9592 RT	DRAINAGE MARKER
611	I.80	3736+81.52	28.3453 RT	SHOULDER
612	I.80	3736+37.87	0.8524 RT	HEADWALL
613	I.80	3736+80.77	1.3399 RT	SIGN
614	I.80	3765+57.86	47.4014 RT	PAVEMENT STATION NUMBER
615	I.80	3765+96.26	101.3317 RT	TREE (DECIDUOUS) 15" DIA.
616	I.80	3765+76.02	106.7136 RT	WARNING SIGN
623	I.80	3813+29.81	118.9996 RT	FENCE POST
624	I.80	3812+61.99	120.2362 RT	POLE - POWER
625	I.80	3813+30.27	58.5521 RT	SHOULDER
626	I.80	3834+04.46	58.8043 RT	SHOULDER
627	I.80	3834+29.81	50.5093 RT	SHOULDER
628	I.80	3834+56.24	58.6326 RT	SHOULDER

BENCH MARKS							
POINT	NORTHING	EASTING	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
402	1714759.3550	2550617.0150	625.1780	I.80	3640+36.11	129.9904 RT	R.O.W. MARKER
406	1725024.6490	2505949.0090	706.2920	I.80	3167+40.76	109.5704 LT	PERMANENT SURVEY MARKER
407	1724706.1510	2517337.7300	663.6160	I.80	3281+39.48	172.4062 RT	PERMANENT SURVEY MARKER
408	1725009.6510	2531449.8710	692.9080	I.80	3422+41.05	139.1491 LT	PERMANENT SURVEY MARKER
409	1714570.3870	2552656.4200	629.2550	I.80	3660+68.76	121.4059 LT	PLUG
416	1724901.0370	2491293.6330	688.4970	I.80	3017+65.75	0.6214 LT	HEADWALL
417	1724851.4500	2493871.1340	697.2850	I.80	3043+40.14	71.1429 LT	HEADWALL
419	1723673.8430	2499408.4280	726.8370	I.80	3100+42.67	2.4070 RT	DROP BOX
420	1724432.7040	2502508.8180	720.5090	I.80	3132+39.85	115.5695 RT	R.O.W. MARKER
421	1724836.7020	2504046.6050	709.7230	I.80	3148+34.86	0.6472 LT	HEADWALL
422	1724827.8280	2505873.4710	706.9450	I.80	3166+63.97	86.7627 RT	SIGN FOUNDATION
423	1724926.3690	2508817.8420	696.3400	I.80	3196+08.91	7.0841 RT	HEADWALL
425	1725088.0300	2513763.3420	681.3640	I.80	3245+55.34	122.8948 LT	POLE FOUNDATION
426	1724943.0980	2516039.3060	672.1140	I.80	3268+30.91	0.3293 RT	DROP BOX
427	1724758.0440	2519439.0650	682.1050	I.80	3302+32.04	80.7066 RT	HEADWALL
428	1724786.2550	2521151.5500	681.4720	I.80	3319+39.70	115.2064 RT	R.O.W. MARKER
429	1724923.0790	2523640.3130	682.5360	I.80	3344+35.81	134.8923 RT	R.O.W. MARKER
431	1725261.6800	2527936.4380	722.0390	I.80	3387+39.62	125.4638 LT	R.O.W. MARKER
432	1724972.4550	2530119.2690	692.9340	I.80	3409+34.90	114.3023 RT	R.O.W. MARKER
437	1718621.8110	2543232.1610	679.6250	I.80	3556+72.24	144.5014 RT	R.O.W. MARKER
438	1717684.5830	2544589.8170	641.4060	I.80	3573+21.94	134.5713 RT	R.O.W. MARKER
443	1714021.7980	2554014.3380	651.2730	I.80	3675+12.56	124.1966 RT	R.O.W. MARKER
445	1712821.6900	2560074.6520	650.2120	I.80	3736+89.33	0.9506 RT	HEADWALL
446	1712522.4990	2562862.7440	641.3600	I.80	3765+13.97	87.0867 LT	SIGN FOUNDATION
450	1712468.9540	2569927.9050	645.2120	I.80	3835+76.13	79.9378 RT	SIGN FOUNDATION
451	1712557.6530	2572525.4760	640.9330	I.80	3861+75.22	81.0290 RT	SIGN FOUNDATION

MAIN CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
65722943	1723907.0080	2484421.0520	685.8370	I.80	2948+20.71	2.4184 LT	D-2 NETWORK MONUMENT
65722944	1724412.8900	2487828.5160	669.5430	I.80	2982+65.51	5.5272 RT	D-2 NETWORK MONUMENT
65722945	1723381.1340	2535116.9730	673.2240	I.80	3462+43.42	1.6387 LT	D-2 NETWORK MONUMENT
65722946	1722085.2410	2537584.0370	685.3890	I.80	3490+30.13	0.0010 LT	D-2 NETWORK MONUMENT
77700683	1740374.1750	2584378.7250	662.7300	I.80	3945+10.26	27309.3993 LT	VERTICAL CONTROL STATION
77700691	1719181.1260	2584820.2680	646.4700	I.80	3945+10.26	6113.7469 LT	VERTICAL CONTROL STATION
77700896	1723139.3050	2535186.7440	655.8450	I.80	3464+17.54	180.1088 RT	N.G.S MONUMENT (WINGWALL)
77700943	1712438.6560	2566844.4700	637.6340	I.80	3804+94.11	53.1444 RT	N.G.S MONUMENT (ABUTMENT)
77700944	1712338.7160	2568322.1850	651.7120	I.80	3819+70.26	174.0044 RT	N.G.S MONUMENT
77700945	1712326.3280	2568805.1560	651.4200	I.80	3824+52.56	193.3961 RT	N.G.S MONUMENT
77700948	1712360.2580	2568834.2910	651.0270	I.80	3824+82.17	159.9591 RT	N.G.S MONUMENT
77701804	1708278.9860	2574984.2320	648.5940	I.80	3884+84.69	4442.0837 RT	N.G.S MONUMENT

HORIZONTAL CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
902116	1724886.4510	2491290.4220	689.7590	I.80	3017+61.58	13.7207 RT	GPS CONTROL POINT
902117	1724782.4870	2493822.6170	696.8670	I.80	3043+03.12	4.5622 RT	GPS CONTROL POINT
902120	1724444.7540	2502374.8630	719.7880	I.80	3131+12.42	69.6123 RT	GPS CONTROL POINT
902122	1724905.5050	2505785.2980	707.4040	I.80	3165+76.29	8.5225 RT	GPS CONTROL POINT
902123	1724918.9560	2508616.3790	698.2400	I.80	3194+07.40	13.2065 RT	GPS CONTROL POINT
902125	1724949.2360	2513731.9210	686.7010	I.80	3245+23.03	15.6951 RT	GPS CONTROL POINT
902126	1724874.5230	2516018.5490	675.4660	I.80	3268+12.89	69.6793 RT	GPS CONTROL POINT
902128	1724810.1500	2520748.9460	685.7710	I.80	3315+40.13	68.9230 RT	GPS CONTROL POINT
902129	1724978.2930	2523367.7990	677.8420	I.80	3341+64.90	68.8775 RT	GPS CONTROL POINT
902131	1725129.5200	2528217.6120	713.1840	I.80	3390+18.54	11.3903 RT	GPS CONTROL POINT
902132	1724992.3500	2530336.4390	697.9340	I.80	3411+50.05	69.4550 RT	GPS CONTROL POINT
90223	1723703.6970	2499992.8100	717.7350	I.80	3106+20.21	71.8124 RT	GPS CONTROL POINT
90254	1724812.2220	2531358.0680	686.4740	I.80	3421+94.29	73.4721 RT	GPS CONTROL POINT
902137	1718822.5420	2543077.3640	670.6570	I.80	3554+30.21	68.6352 RT	GPS CONTROL POINT
902138	1717923.4870	2544364.4760	653.1530	I.80	3570+00.37	67.9168 RT	GPS CONTROL POINT
902142	1714702.3300	2551168.7580	626.4430	I.80	3645+87.28	67.7423 RT	GPS CONTROL POINT
902143	1714065.4280	2554072.5620	649.6630	I.80	3675+60.11	69.1279 RT	GPS CONTROL POINT
902145	1712813.3110	2560065.3190	650.6230	I.80	3736+82.01	11.1312 RT	GPS CONTROL POINT
902146	1712375.2420	2562908.7930	642.8370	I.80	3765+57.93	60.8078 RT	GPS CONTROL POINT
902149	1712438.6350	2567666.9360	648.5340	I.80	3813+16.50	64.8146 RT	GPS CONTROL POINT
902150	1712482.9510	2569780.6210	649.3930	I.80	3834+29.52	60.9375 RT	GPS CONTROL POINT