

HORIZONTAL & VERTICAL CONTROL

Chain US52 contains:
19 CUR 200 15 14 13 12 1024

Beginning chain US52 description

Point 19 N 1,942,921.4340 E 2,456,471.6123 Sta 370+73.6623

Course from 19 to PC 200 S 1° 11' 37.5239" W Dist 695.9976

Curve Data

Curve 200
P.I. Station 379+97.9900 N 1,941,997.3069 E 2,456,452.3553
Delta = 0° 26' 46.4195" (LT)
Degree = 0° 05' 51.7774"
Tangent = 228.3302
Length = 456.6580
Radius = 58,635.0436
External = 0.4446
Long Chord = 456.6569
Mid. Ord. = 0.4446
P.C. Station 377+69.6599 N 1,942,225.5875 E 2,456,457.1123
P.T. Station 382+26.3179 N 1,941,768.9961 E 2,456,449.3764
C.C. N 1,941,004.0157 E 2,515,079.4297
Back = S 1° 11' 37.5239" W Ahead = S 0° 44' 51.1044" W Chord Bear = S 0° 58' 14.3142" W

Course from PT 200 to 15 S 0° 44' 51.1044" W Dist 756.8971

Point 15 N 1,941,012.1635 E 2,456,439.5016 Sta 389+83.2150

Course from 15 to 14 S 0° 45' 37.8618" W Dist 348.3577

Point 14 N 1,940,663.8365 E 2,456,434.8778 Sta 393+31.5726

Course from 14 to 13 S 0° 49' 50.3964" W Dist 349.4985

Point 13 N 1,940,314.3747 E 2,456,429.8110 Sta 396+81.0712

Course from 13 to 12 S 0° 50' 13.6246" W Dist 732.7064

Point 12 N 1,939,581.7465 E 2,456,419.1062 Sta 404+13.7776

Course from 12 to 1024 S 1° 00' 42.8992" W Dist 374.7603

Point 1024 N 1,939,207.0447 E 2,456,412.4878 Sta 407+88.5379

Ending chain US52 description

Beginning profile US52 description

	STATION	ELEV	GRADE	TOTAL L	BACK L	AHEAD L
VPI	1 389+50.0000	862.2400				
VPC	389+78.8000	862.8160	2.0000	K = 160.0	SSD = 631.6	
VPI	2 391+78.8000	866.8160		400.0000	200.0000	200.0000
High Point	392+98.8000	866.0160				
VPT	393+78.8000	865.8160	-0.5000			
VPC	394+00.0000	865.7100	-0.5000	K = 137.6		
VPI	3 394+50.0000	865.4600		100.0000	50.0000	50.0000
Low Point	394+68.8074	865.5380				
VPT	395+00.0000	865.5733	0.2267			

Ending profile US52 description

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
12	1939581.7465	2456419.1062	881.2436	US52	404+13.7776	0.0000'	TOPO SURVEY POINT, NAIL
14	1940663.8365	2456434.8778	865.4528	US52	393+31.5726	0.0000'	TOPO SURVEY POINT, NAIL
15	1941012.1635	2456439.5016	863.0051	US52	389+83.2150	0.0000'	TOPO SURVEY POINT, NAIL
16	1941439.1698	2456445.0730	858.2872	US52	385+56.1723	0.0000'	TOPO SURVEY POINT, NAIL
17	1941989.9329	2456452.6755	864.9192	US52	380+05.3564	0.0000'	TOPO SURVEY POINT, NAIL
18	1942532.5387	2456463.5085	865.9620	US52	374+62.6420	0.0000'	TOPO SURVEY POINT, NAIL
19	1942921.4340	2456471.6123	867.1917	US52	370+73.6623	0.0000'	TOPO SURVEY POINT, NAIL

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1942121.3754	2456513.8611	866.0491	US52	378+72.7705	58.8171' LT	TOP OF ROW MARKER
405	1940997.3340	2456415.6356	863.0186	US52	389+98.3599	23.6671' RT	CHISELED '□' ON TOP OF EXISTING NORTHEAST WINGWALL
407	1940703.8462	2456411.9632	865.1505	US52	392+91.8706	23.4436' RT	CHISELED '□' ON TOP OF EXISTING SOUTHEAST WINGWALL

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	US52	377+20.6826	12.0072' LT	PAVEMENT STATION NUMBER
501	US52	377+46.1969	36.0467' LT	END OF IRON FENCE
502	US52	378+72.7992	36.3605' LT	END OF IRON FENCE
503	US52	391+83.1477	314.5871' RT	STEEL PLATE BEAM GUARDRAIL
504	US52	391+31.4942	321.7262' RT	RIGHT OF WAY MARKER
505	US52	391+19.1846	249.6800' RT	STEEL PLATE BEAM GUARDRAIL
506	US52	385+21.5677	23.9207' RT	STEEL PLATE BEAM GUARDRAIL
507	US52	385+21.3789	23.7369' LT	STEEL PLATE BEAM GUARDRAIL
508	US52	386+23.8038	89.9530' LT	RIGHT OF WAY MARKER
509	US52	384+68.4672	10.3563' LT	PAVEMENT STATION NUMBER
510	US52	393+08.0442	23.1239' LT	TELEPHONE POLE
511	US52	394+20.9296	25.2120' LT	TELEPHONE POLE
512	US52	394+39.3806	30.9219' RT	POWER POLE WITH LIGHT
513	US52	392+92.1998	27.6589' RT	TOP OF WINGWALL
514	US52	400+20.3651	24.1682' LT	TELEPHONE POLE
515	US52	400+79.4335	1.0954' LT	MANHOLE LID
516	US52	400+71.5196	23.8397' LT	CATCH BASIN
517	US52	405+31.0735	21.5066' LT	POWER POLE
518	US52	404+57.9440	0.1022' RT	MANHOLE LID
519	US52	404+80.4837	26.4153' RT	POWER POLE

APPARENT PROPERTY CORNERS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	1940289.1207	2456461.4818	868.2120	US52	397+05.8598	32.0364' LT	BLOCK CORNER, PIN
701	1939927.7695	2456457.5661	880.8459	US52	400+67.2296	33.4004' LT	BLOCK CORNER, PIN
702	1939717.5058	2456454.5927	881.3536	US52	402+77.5143	33.4993' LT	PROPERTY CORNER, PIN
703	1939816.4486	2456390.4364	881.5286	US52	401+79.5194	32.0957' RT	PROPERTY CORNER, PIN