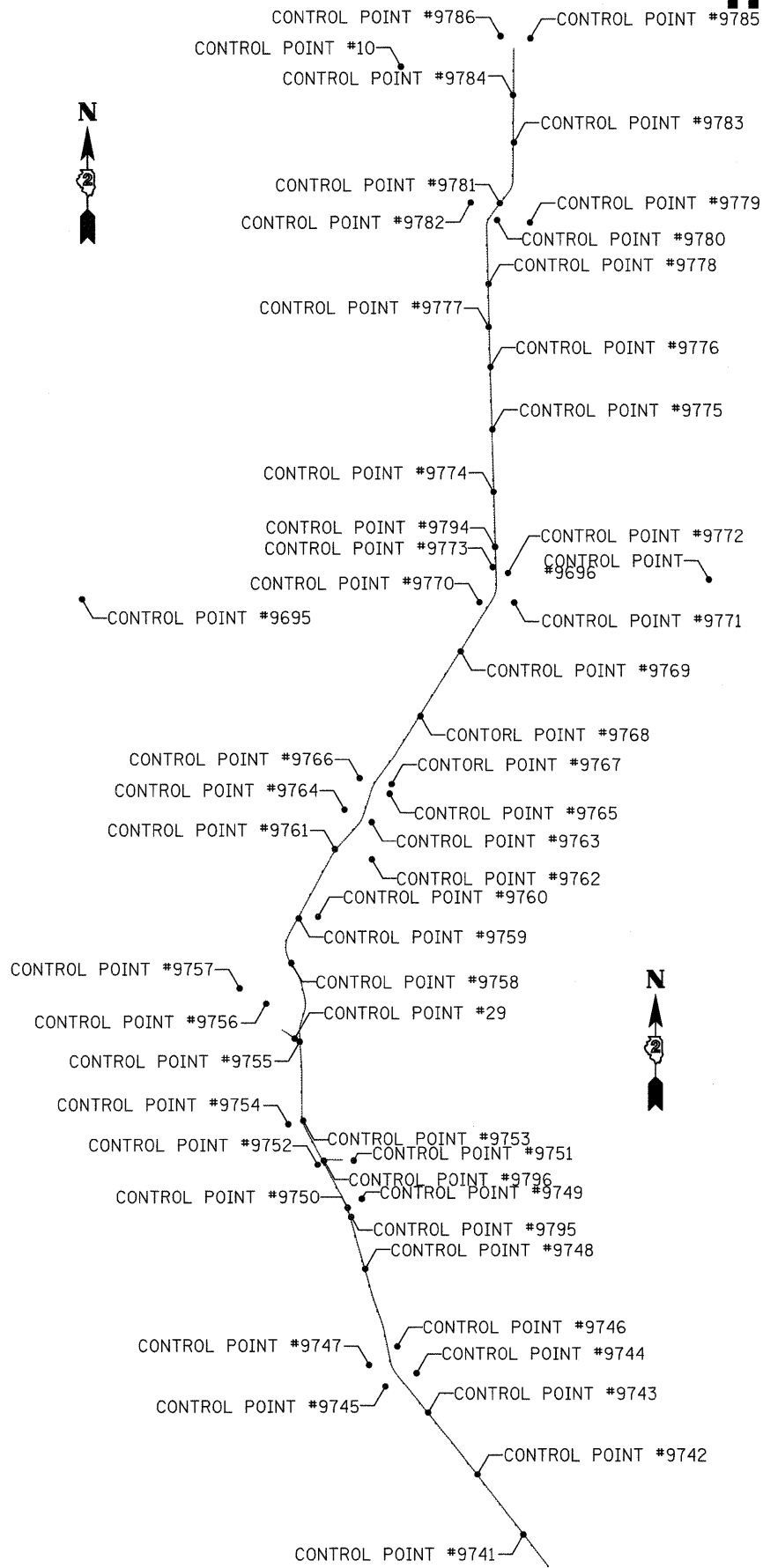


# HORIZONTAL VERTICAL CONTROL SHEETS



Chain IL78 contains:  
 CUR 1480 269 270 CUR 1510 273 CUR 1530 276 CUR 1550 279 CUR 1570 282 CUR 1590 -  
 CUR 1600 CUR 1610 CUR 1620 CUR 1630 CUR 1640 294 CUR 1660 CUR 1670 299 CUR 1690-  
 CUR 1700 CUR 1710 CUR 1720 CUR 1730 310 311 312 313 314 CUR 1790 CUR 1800 319

Beginning chain IL78 description  
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Curve Data  
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**Curve 1480**  
 P.I. Station 1+51.33 N 2,014,457.782500 E 2,341,058.093900  
 Delta = 1° 46' 53.006751" (RT)  
 Degree = 0° 35' 19.052204"  
 Tangent = 151.330000'  
 Length = 302.635619'  
 Radius = 9,733.823730'  
 External = 1.176279'  
 Long Chord = 302.623430'  
 Mid. Ord. = 1.176137'  
 P.C. Station 0+00.00 N 2,014,340.941254 E 2,341,154.265061  
 P.T. Station 3+02.64 N 2,014,577.556866 E 2,340,965.601359  
 C.C. N 2,020,526.847077 E 2,348,669.708731

Course from PT 1480 to 269 N 37° 40' 34.145353" W Dist 1,024.865290'  
 Point 269 N 2,015,388.715200 E 2,340,339.206100 Sta 13+27.50  
 Course from 269 to 270 N 37° 44' 53.833254" W Dist 802.621699'  
 Point 270 N 2,016,023.354500 E 2,339,847.846200 Sta 21+30.12  
 Course from 270 to PC 1510 N 37° 41' 54.518884" W Dist 2,288.292051'

Curve Data  
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**Curve 1510**  
 P.I. Station 48+56.95 N 2,018,180.932500 E 2,338,180.372000  
 Delta = 0° 46' 04.975678" (LT)  
 Degree = 0° 05' 15.252552"  
 Tangent = 438.540000'  
 Length = 877.066866'  
 Radius = 65,428.433495'  
 External = 1.469661'  
 Long Chord = 877.060300'  
 Mid. Ord. = 1.469628'  
 P.C. Station 44+18.41 N 2,017,833.942206 E 2,338,448.541848  
 P.T. Station 52+95.48 N 2,018,524.296915 E 2,337,907.574987  
 C.C. N 1,977,824.061596 E 2,286,678.962333

Course from PT 1510 to 273 N 38° 27' 59.494563" W Dist 699.184754'  
 Point 273 N 2,019,071.738800 E 2,337,472.642000 Sta 59+94.67  
 Course from 273 to PC 1530 N 38° 31' 12.803065" W Dist 3,534.439263'

Curve Data  
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**Curve 1530**  
 P.I. Station 97+73.07 N 2,022,027.914500 E 2,335,119.489600  
 Delta = 26° 58' 43.830310" (RT)  
 Degree = 5° 38' 01.816912"  
 Tangent = 243.960000'  
 Length = 478.871448'  
 Radius = 1,016.993730'  
 External = 28.851731'  
 Long Chord = 474.459755'  
 Mid. Ord. = 28.055799'  
 P.C. Station 95+29.11 N 2,021,837.043029 E 2,335,271.425650  
 P.T. Station 100+07.98 N 2,022,266.941740 E 2,335,070.679151  
 C.C. N 2,022,470.417395 E 2,336,067.109733

Course from PT 1530 to 276 N 11° 32' 28.972756" W Dist 591.867959'  
 Point 276 N 2,022,846.842400 E 2,334,952.260800 Sta 105+99.84  
 Course from 276 to PC 1550 N 11° 46' 00.667308" W Dist 626.840971'

Curve Data  
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**Curve 1550**  
 P.I. Station 114+00.42 N 2,023,630.589800 E 2,334,789.000600  
 Delta = 7° 40' 10.792017" (LT)  
 Degree = 2° 12' 38.353550"  
 Tangent = 173.730000'  
 Length = 346.941008'  
 Radius = 2,591.802500'  
 External = 5.816085'  
 Long Chord = 346.682035'  
 Mid. Ord. = 5.803063'  
 P.C. Station 112+26.69 N 2,023,460.510643 E 2,334,824.429307  
 P.T. Station 115+73.63 N 2,023,794.419061 E 2,334,731.189821  
 C.C. N 2,022,931.965130 E 2,332,287.092152

Course from PT 1550 to 279 N 19° 26' 11.459326" W Dist 359.048645'  
 Point 279 N 2,024,133.005800 E 2,334,611.712000 Sta 119+32.68  
 Course from 279 to PC 1570 N 19° 37' 40.498131" W Dist 338.010732'

Curve Data  
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**Curve 1570**  
 P.I. Station 126+82.25 N 2,024,839.021900 E 2,334,359.923300  
 Delta = 3° 46' 54.100153" (RT)  
 Degree = 0° 27' 34.563694"  
 Tangent = 411.560000'  
 Length = 822.821158'  
 Radius = 12,466.416796'  
 External = 6.791667'  
 Long Chord = 822.671811'  
 Mid. Ord. = 6.787969'  
 P.C. Station 122+70.69 N 2,024,451.376047 E 2,334,498.170637  
 P.T. Station 130+93.51 N 2,025,234.941808 E 2,334,247.544208  
 C.C. N 2,028,638.976687 E 2,346,240.212564

Course from PT 1570 to 282 N 15° 50' 46.397977" W Dist 2,610.074369'  
 Point 282 N 2,027,745.828200 E 2,333,534.846700 Sta 157+03.58  
 Course from 282 to PC 1590 N 16° 07' 34.789598" W Dist 279.894386'

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORIZONTAL VERTICAL CONTROL SHEETS</b>			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ca:\pwwork\pwwork\HENSONKE\dms33697\08707HVC.DGN		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	642	(10,11)T	JO DAVIESS	283	39
		CHECKED -	REVISED -								CONTRACT NO. 64D07				
		DATE -	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				