

SR 640 RAMP H CURVE DATA

P.I. STA. 320+00.97
 $\Delta = 205^\circ 30' 01''$ (LT)
 $Dc = 39^\circ 45' 00''$
 $R = 144.14'$
 $\theta = 165^\circ 45' 01''$ (LT)
 $Lc = 416.98'$
 $Es = 345.22'$

P.I. STA. 315+75.42
 $Ls = 200.00'$
 $\theta s = 39^\circ 45' 00''$
 $LT = 136.86'$
 $ST = 69.88'$
 $x = 190.59'$
 $y = 44.69'$
 $k = 98.42'$
 $p = 11.37'$

SR 640 RAMP E CURVE DATA

P.I. STA. 305+40.76
 $\Delta = 12^\circ 50' 04''$ (LT)
 $Dc = 1^\circ 15' 00''$
 $R = 4,583.66'$
 $T = 515.53'$
 $L = 1,026.75'$
 $E = 28.90'$

P.I. STA. 298+12.23
 $\Delta = 1^\circ 15' 36''$ (RT)
 $Dc = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 63.00'$
 $L = 125.99'$
 $E = 0.35'$

P.I. STA. 320+77.44
 $\Delta = 135^\circ 40' 02''$ (RT)
 $Dc = 30^\circ 45' 00''$
 $R = 186.33'$
 $\theta = 97^\circ 13' 47''$ (RT)
 $Lc = 316.19'$
 $Es = 325.80'$

SR 640 RAMP E SPIRAL DATA

P.I. STA. 316+53.64
 $Ls = 250.00'$
 $\theta s = 38^\circ 26' 15''$
 $LT = 170.77'$
 $ST = 87.08'$
 $x = 238.98'$
 $y = 54.13'$
 $k = 123.15'$
 $p = 13.75'$

SR 640 RAMP D CURVE DATA

P.I. STA. 309+11.16
 $\Delta = 18^\circ 40' 02''$ (RT)
 $Dc = 30^\circ 58' 14''$
 $R = 185.00'$
 $T = 30.41'$
 $L = 60.27'$
 $E = 2.48'$

P.I. STA. 314+90.75
 $\Delta = 79^\circ 02' 46''$ (RT)
 $Dc = 29^\circ 59' 52''$
 $R = 191.00'$
 $\Delta c = 56^\circ 32' 52''$ (RT)
 $Lc = 188.51'$
 $Es = 59.81'$

P.I. STA. 315+67.45
 $Ls = 150.00'$
 $\theta s = 22^\circ 29' 54''$
 $LT = 100.82'$
 $ST = 50.75'$
 $x = 147.70'$
 $y = 19.42'$
 $k = 74.62'$
 $p = 4.88'$

SR 640 RAMP A CURVE DATA

P.I. STA. 317+58.46
 $Ls = 100.00'$
 $\theta s = 9^\circ 00' 00''$
 $LT = 66.75'$
 $ST = 33.41'$
 $x = 99.75'$
 $y = 5.23'$
 $k = 49.96'$
 $p = 1.31'$

P.I. STA. 319+45.47
 $Ls = 200.00'$
 $\theta s = 18^\circ 00' 00''$
 $LT = 134.03'$
 $ST = 67.30'$
 $x = 198.04'$
 $y = 20.80'$
 $k = 99.67'$
 $p = 5.22'$

P.I. STA. 318+35.20
 $\Delta = 15^\circ 33' 48''$ (LT)
 $Dc = 18^\circ 00' 00''$
 $R = 318.31'$
 $T = 43.50'$
 $L = 86.46'$
 $E = 2.96'$

P.I. STA. 322+21.61
 $\Delta = 11^\circ 26' 15''$ (LT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.40'$
 $T = 143.44'$
 $L = 285.94'$
 $E = 7.16'$

SR 640 RAMP A SPIRAL DATA

P.I. STA. 320+23.16
 $Ls = 200.00'$
 $\theta s = 14^\circ 00' 00''$
 $LT = 133.75'$
 $ST = 67.05'$
 $x = 198.81'$
 $y = 16.22'$
 $k = 99.80'$
 $p = 4.06'$

LAKELAND BLVD. CURVE DATA

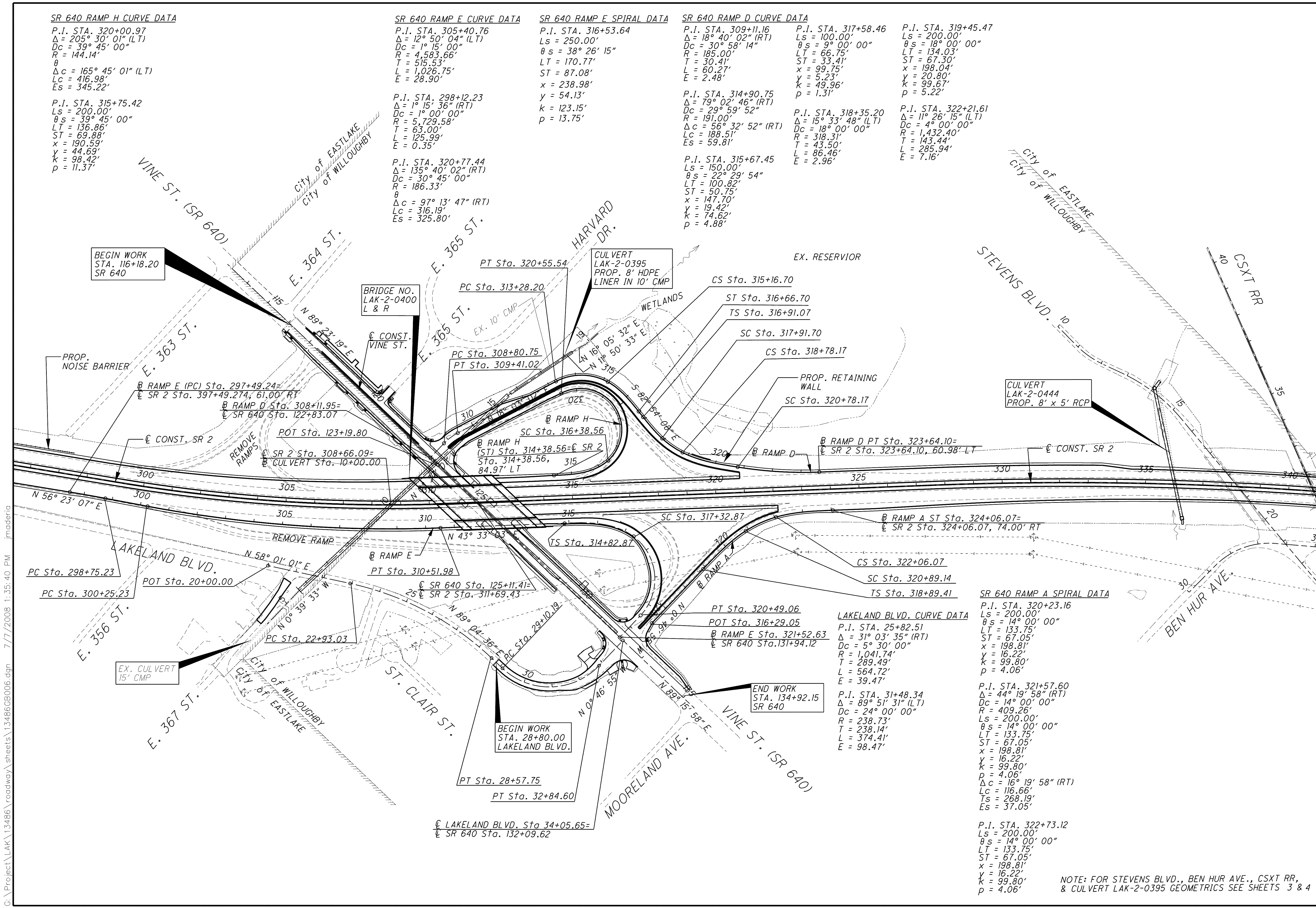
P.I. STA. 25+82.51
 $\Delta = 31^\circ 03' 35''$ (RT)
 $Dc = 5^\circ 30' 00''$
 $R = 1,041.74'$
 $T = 289.49'$
 $L = 564.72'$
 $E = 39.47'$


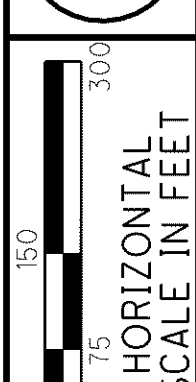
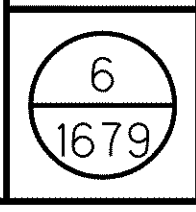
P.I. STA. 31+48.34
 $\Delta = 89^\circ 51' 31''$ (LT)
 $Dc = 24^\circ 00' 00''$
 $R = 238.73'$
 $T = 238.14'$
 $L = 374.41'$
 $E = 98.47'$

P.I. STA. 321+57.60
 $\Delta = 44^\circ 19' 58''$ (RT)
 $Dc = 14^\circ 00' 00''$
 $R = 409.26'$
 $Ls = 200.00'$
 $\theta s = 14^\circ 00' 00''$
 $LT = 133.75'$
 $ST = 67.05'$
 $x = 198.81'$
 $y = 16.22'$
 $k = 99.80'$
 $p = 4.06'$
 $\Delta c = 16^\circ 19' 58''$ (RT)
 $Lc = 116.66'$
 $Ts = 268.19'$
 $Es = 37.05'$

P.I. STA. 322+73.12
 $Ls = 200.00'$
 $\theta s = 14^\circ 00' 00''$
 $LT = 133.75'$
 $ST = 67.05'$
 $x = 198.81'$
 $y = 16.22'$
 $k = 99.80'$
 $p = 4.06'$

NOTE: FOR STEVENS BLVD., BEN HUR AVE., CSXT RR, & CULVERT LAK-2-0395 GEOMETRICS SEE SHEETS 3 & 4





 CALCULATED: AGH
 CHECKED: PSB
Schematic Plan
VINE STREET (SR 640) INTERCHANGE
LAK-2-3.32


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