HORIZONTAL & VERTICAL CONTROL

SCALE
0 30 60 90 120 150 180

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
21-046-01	SUSSEX	SEE TITLE SHEET	3	24

MILTON TRUCK ROUTE (S319), FROM SR 5 TO SR 30

REVISIONS

SEE BRIDGE PLANS FOR HORIZONTAL & VERTICAL CONTROL FOR BRIDGE 3-918.

NOTE:
HORIZONTAL COORDINATES WERE BASED ON NAD 83.
AZIMUTH WAS DETERMINED MAGNETICALLY IN THE FIELD.
GPS ELEVATIONS WERE BASED ON NAVD 88.

CIRCULAR CURVE NO. 2A

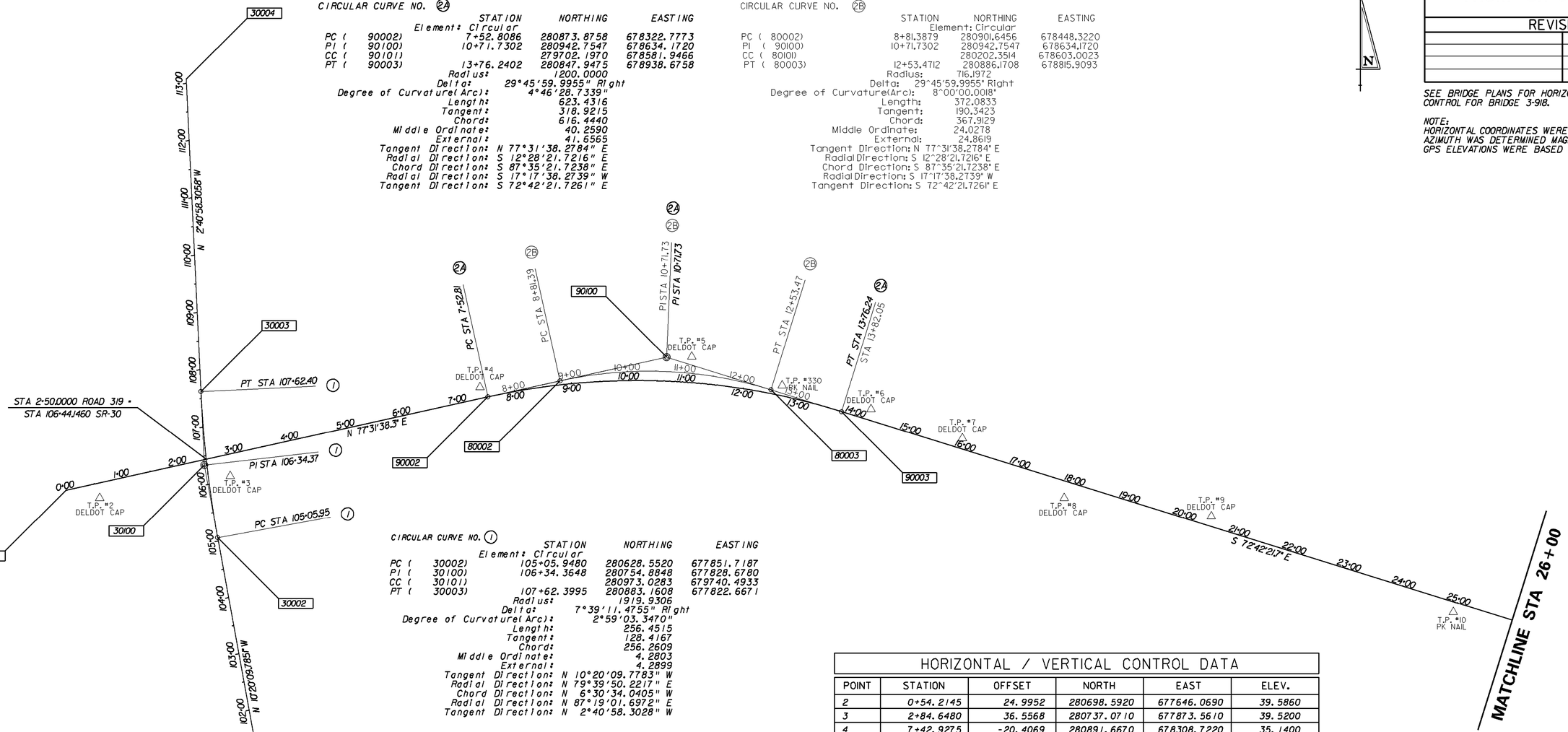
	STATION	NORTHING	EASTING
Element: Circular			
PC (90002)	7+52.8086	280873.8758	678322.7773
PI (90100)	10+71.7302	280942.7547	678634.1720
CC (90101)		279702.1970	678581.9466
PT (90003)	13+76.2402	280847.9475	678938.6758

Radius: 1200.0000
Delta: 29°45'59.9955" Right
Degree of Curvature(Arc): 4°46'28.7339"
Length: 623.4316
Tangent: 318.9215
Chord: 616.4440
Middle Ordinate: 40.2590
External: 41.6565
Tangent Direction: N 77°31'38.2784" E
Radial Direction: S 12°28'21.7216" E
Chord Direction: S 87°35'21.7238" E
Radial Direction: S 17°17'38.2739" W
Tangent Direction: S 72°42'21.7261" E

CIRCULAR CURVE NO. 2B

	STATION	NORTHING	EASTING
Element: Circular			
PC (80002)	8+81.3879	280901.6456	678448.3220
PI (90100)	10+71.7302	280942.7547	678634.1720
CC (80101)		280202.3514	678603.0023
PT (80003)	12+53.4712	280886.1708	678815.9093

Radius: 716.1972
Delta: 29^45'59.9955" Right
Degree of Curvature(Arc): 8^00'00.0018"
Length: 372.0833
Tangent: 190.3423
Chord: 367.9129
Middle Ordinate: 24.0278
External: 24.8619
Tangent Direction: N 77^31'38.2784" E
Radial Direction: S 12^28'21.7216" E
Chord Direction: S 87^35'21.7238" E
Radial Direction: S 17^17'38.2739" W
Tangent Direction: S 72^42'21.7261" E



CIRCULAR CURVE NO. 1

	STATION	NORTHING	EASTING
Element: Circular			
PC (30002)	105+05.9480	280628.5520	677851.7187
PI (30100)	106+34.3648	280754.8848	677828.6780
CC (30101)		280973.0283	679740.4933
PT (30003)	107+62.3995	280883.1608	677822.6671

Radius: 1919.9306
Delta: 7°39'11.4755" Right
Degree of Curvature(Arc): 2°59'03.3470"
Length: 256.4515
Tangent: 128.4167
Chord: 256.2609
Middle Ordinate: 4.2803
External: 4.2899
Tangent Direction: N 10°20'09.7783" W
Radial Direction: N 79°39'50.2217" E
Chord Direction: N 6°30'34.0405" W
Radial Direction: N 87°19'01.6972" E
Tangent Direction: N 2°40'58.3028" W

HORIZONTAL / VERTICAL CONTROL DATA

POINT	STATION	OFFSET	NORTH	EAST	ELEV.
2	0+54.2145	24.9952	280698.5920	677646.0690	39.5860
3	2+84.6480	36.5568	280737.0710	677873.5610	39.5200
4	7+42.9275	-20.4069	280891.6670	678308.7220	35.1400
5	11+06.3729	-46.2577	280944.7670	678677.7480	33.1300
6	14+23.7041	-20.4361	280853.3500	678990.0690	22.2100
7	15+90.6910	-19.4882	280802.8040	679149.2250	24.1300
8	17+90.9644	27.0799	280698.8050	679326.6010	31.8600
9	20+45.0744	-18.5304	280666.8130	679582.7820	33.1300
10	24+97.3133	15.4487	280499.9310	680004.4750	31.0400
330	12+65.1746	-19.2067	280894.8010	678835.2460	24.4800
30001	100+00.0000	0.0000	280130.8143	677942.4965	0.0000
30002	105+05.9480	0.0000	280628.5520	677851.7187	0.0000
30003	107+62.3995	0.0000	280883.1608	677822.6671	0.0000
30004	113+07.2700	0.0000	281427.4340	677797.1630	0.0000
30100	106+34.3648	-4.2899	280754.8848	677828.6780	0.0000
80002	8+81.3879	0.0000	280901.6456	678448.3220	0.0000
80003	12+53.4712	0.0000	280886.1708	678815.9093	0.0000
90001	0+00.0000	0.0000	280711.2884	677587.7357	0.0000
90002	7+52.8086	0.0000	280873.8758	678322.7773	0.0000
90003	13+76.2402	0.0000	280847.9475	678938.6758	0.0000
90100	10+71.7302	-41.6565	280942.7547	678634.1720	0.0000

PREL. TRACING _____ DESIGN _____ CHKD. _____