

EXISTING HORIZONTAL & VERTICAL CONTROL

Alignments:

STEPHUS20WB
STEPHUS20EB
Originated from a 3P Project for US20
Not to be Used for any other Project
These Alignments are Computer Generated Baselines

Alignments:

WINUS20WB
WINUS20EB
Originated from Job P92-044-09 for Starting Stationing and Tangents
Not to be Used for any other Project
These Alignments are Computer Generated Baselines

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
WINUS20WB	200	200	201	202	203

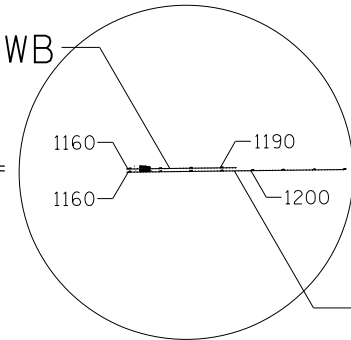
STEPHUS20WB

Chain STEPHUS20WB contains:
8 4

Beginning chain STEPHUS20WB description

Point 8 N 2,043,786.6208 E 2,468,202.6994 Sta 1159+39.6300
Course from 8 to 4 N 89° 18' 34.3717" E Dist 3,603.6177'
Point 4 N 2,043,830.0457 E 2,471,806.0555 Sta 1195+43.2477

Ending chain STEPHUS20WB description



Chain WINUS20WB contains:
11 CUR 200 10

Beginning chain WINUS20WB description

Point 11 N 2,046,128.4153 E 2,550,895.8050 Sta 26+05.9260
Course from 11 to PC 200 S 89° 10' 23.1414" E Dist 2,653.2753'

Curve Data

Curve 200
P.I. Station 59+37.7776 N 2,046,080.3310 E 2,554,227.3096
Delta = 7° 00' 25.2890" (LT)
Degree = 0° 31' 01.0122"
Tangent = 678.5763'
Length = 1,355.4607'
Radius = 11,083.4742'
External = 20.7532'
Long Chord = 1,354.6162'
Mid. Ord. = 20.7144'
P.C. Station 52+59.2013 N 2,046,090.1240 E 2,553,548.8040
P.T. Station 66+14.6620 N 2,046,153.3827 E 2,554,901.9423
C.C. N 2,057,172.4439 E 2,553,708.7575

Course from PT 200 to 10 N 83° 49' 11.5696" E Dist 2,557.9394'

Point 10 N 2,046,428.7561 E 2,557,445.0159 Sta 91+72.6013

Ending chain WINUS20WB description

Alignments:
STEPHUS20WB
STEPHUS20EB

Chain STEPHUS20EB contains:
7 5

Beginning chain STEPHUS20EB description

Point 7 N 2,043,686.5810 E 2,468,204.2649 Sta 1159+39.9100
Course from 7 to 5 N 89° 19' 09.2827" E Dist 7,129.8481'
Point 5 N 2,043,771.2917 E 2,475,333.6097 Sta 1230+69.7581

Ending chain STEPHUS20EB description

Chain WINUS20EB contains:
19 CUR 220 CUR 210 15

Beginning chain WINUS20EB description

Point 19 N 2,046,053.7669 E 2,550,947.1895 Sta 465+49.6184
Course from 19 to PC 220 S 89° 11' 46.2669" E Dist 2,609.0092'

Curve Data

Curve 220
P.I. Station 497+07.4129 N 2,046,009.4669 E 2,554,104.6732
Delta = 5° 41' 38.1492" (LT)
Degree = 0° 31' 09.1313"
Tangent = 548.7853'
Length = 1,096.6672'
Radius = 11,035.3299'
External = 13.6371'
Long Chord = 1,096.2159'
Mid. Ord. = 13.6202'
P.C. Station 491+58.6276 N 2,046,017.1657 E 2,553,555.9419
P.T. Station 502+55.2948 N 2,046,056.2482 E 2,554,651.4610
C.C. N 2,057,051.4097 E 2,553,710.7539

Course from PT 220 to PC 210 N 85° 06' 35.5839" E Dist 1,448.7788'

Curve Data

Curve 210
P.I. Station 525+84.9080 N 2,046,254.8361 E 2,556,972.5944
Delta = 12° 10' 51.1778" (RT)
Degree = 0° 41' 38.6018"
Tangent = 880.8344'
Length = 1,755.0287'
Radius = 8,255.2092'
External = 46.8597'
Long Chord = 1,751.7254'
Mid. Ord. = 46.5952'
P.C. Station 517+04.0735 N 2,046,179.7494 E 2,556,094.9662
P.T. Station 534+59.1022 N 2,046,143.0540 E 2,557,846.3072
C.C. N 2,037,954.5890 E 2,556,798.6818

Course from PT 210 to 15 S 82° 42' 33.2382" E Dist 630.6271'

Point 15 N 2,046,063.0245 E 2,558,471.8357 Sta 540+89.7293

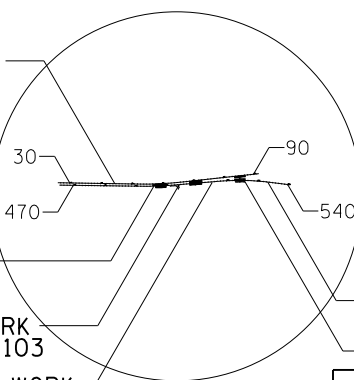
Ending chain WINUS20EB description

WINUS20WB

SURVEY WORK POINT NO. 102

SURVEY WORK POINT NO. 103

SURVEY WORK POINT NO. 104



Alignments:
WINUS20WB
WINUS20EB

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
90263	1910150.6003	2608368.1012	831.3515	WINUS20EB	1985+32.7572 R 2	183.787' RT	PIN
902151	1907708.4734	2609527.2828	824.9792	WINUS20EB	2012+25.9928 R 2	48.9523' LT	PIN
902155	1915771.9580	2607643.3438	805.1055	WINUS20EB	10+81.3630	528.1046' RT	PIN

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
102	2046062.9145	2554050.7736	845.3541	WINUS20WB	57+60.2666 R 2	31.3186' RT	SURVEY WORK POINT, PIN
102	2046062.9145	2554050.7736	845.3541	WINUS20EB	496+54.8046 R 2	41.5753' LT	SURVEY WORK POINT, PIN
103	2046035.6528	2554828.7894	831.4044	WINUS20WB	67+04.4242 R 2	105.6145' RT	SURVEY WORK POINT, PIN
103	2046035.6528	2554828.7894	831.4044	WINUS20EB	504+30.2221 R 2	35.6368' RT	SURVEY WORK POINT, PIN
104	2046140.0770	2555919.7730	827.1006	WINUS20WB	69+38.1972 R 2	965.1328' LT	SURVEY WORK POINT, PIN
104	2046140.0770	2555919.7730	827.1006	WINUS20EB	515+26.1362 R 2	24.5936' RT	SURVEY WORK POINT, PIN
105	2046257.9137	2556941.2560	821.9404	WINUS20WB	71+37.9718 R 2	1973.7968' LT	SURVEY WORK POINT, PIN
105	2046257.9137	2556941.2560	821.9404	WINUS20EB	525+50.3783 R 2	49.3395' LT	SURVEY WORK POINT, PIN

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
WINUS20EB	220	220	221	222	223
WINUS20EB	210	210	211	212	213