

# SURVEY CONTROL SHEET W-5313

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	650540.5245	1540143.9840
PC	13+69.46	650221.6689	1540330.6213
PT	23+50.87	649566.8954	1541042.2211
PC	28+87.47	649335.2172	1541526.2283
PT	30+19.45	649275.6345	1541643.9815
PC	37+64.52	648924.7025	1542301.2317
PT	43+61.04	648716.3655	1542858.3233
PC	47+53.98	648628.5792	1543241.3327
PT	51+01.49	648516.9843	1543569.7919
PC	62+15.10	648053.0298	1544582.1592
PT	63+56.30	647992.9135	1544709.9174
PC	78+15.27	647358.4498	1546023.7097
PT	83+48.10	647081.8473	1546478.1443
PC	96+56.94	646296.3828	1547525.1036
PT	103+26.69	645988.3065	1548116.4308
PC	110+23.11	645771.2531	1548778.1686
PT	113+56.76	645641.3663	1549085.0728
PC	115+56.09	645548.6511	1549261.5349
PT	118+11.89	645444.4610	1549494.9575
PC	123+88.64	645243.5155	1550035.5726
PT	126+93.39	645191.3635	1550334.1055
PC	143+19.17	645207.5796	1551959.8014
PT	149+88.37	645468.2024	1552556.7371
PC	153+61.07	645739.0020	1552812.8127
PT	157+04.36	645947.8960	1553083.4782
PC	162+03.40	646187.6969	1553521.1272
PT	167+43.05	646414.3475	1554010.4158
PC	178+30.61	646803.9127	1555025.8068
PT	181+83.91	646917.3956	1555360.2970
PC	203+36.78	647528.5333	1557424.6045
PT	207+55.18	647659.2199	1557822.0039
PC	209+74.30	647733.8614	1558028.0188
PT	214+81.54	647994.1647	1558459.6305
PC	218+60.63	648249.1570	1558740.1383
PT	223+62.55	648500.4678	1559170.3834
PC	229+64.92	648689.6834	1559742.2733
PT	232+51.72	648798.9512	1560007.1748
PC	237+05.87	649001.7553	1560413.5197
PT	245+16.95	649259.3565	1561179.8673
PC	257+21.36	649481.6493	1562363.5884
PT	264+24.61	649513.1665	1563063.8110
PC	291+39.54	649253.8262	1565766.3270
PT	293+63.70	649222.4447	1565988.2073
PC	296+39.81	649171.5644	1566259.5885
PT	301+49.76	649122.5772	1566766.5051
PC	305+93.16	649119.3220	1567209.8882
PT	310+88.98	649094.2479	1567704.9261
PC	322+65.63	648983.9545	1568876.3895
PT	331+27.95	648940.2176	1569737.3336
PC	337+50.11	648935.4636	1570359.4755
PT	346+49.65	648760.4334	1571236.3488
PC	358+41.23	648311.3829	1572340.0838
PT	361+79.12	648238.8333	1572668.4422
PC	385+86.23	648122.1057	1575072.7287
PT	390+03.31	648016.8417	1575473.1807
PC	398+97.44	647615.4247	1576272.1435
PT	402+73.87	647428.6846	1576598.7770
PC	404+23.36	647347.6212	1576724.3787
PT	410+41.38	647226.3501	1577316.0235
PC	411+97.88	647252.6408	1577470.3016
PT	415+07.82	647291.1196	1577777.7369
POT	420+19.59	647332.1382	1578287.8582

LREV			
TYPE	STATION	NORTH	EAST
PC	12+95.91	650285.1503	1540293.4634
PT	24+20.07	649535.1370	1541108.5686

Y1			
TYPE	STATION	NORTH	EAST
POT	9+86.86	649910.8169	1540580.8437
POT	16+47.86	649811.4724	1539927.3495

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	648758.8924	1543650.2079
POT	12+60.70	648503.0214	1543600.2595

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	645874.1334	1552697.3273
PC	10+32.53	645841.6145	1552696.4780
PT	11+49.71	645725.9340	1552711.8154
POT	12+24.08	645654.6661	1552733.0623

Y4			
TYPE	STATION	NORTH	EAST
POT	10+00.00	645654.6661	1552733.0623
PC	10+65.91	645591.5003	1552751.8938
PRC	12+23.85	645444.1395	1552718.4710
PT	13+76.17	645307.8854	1552655.7908
POT	14+90.87	645194.1087	1552641.3199

## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I3802-12" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 641735.246(±) EASTING: 1535065.380(±) ELEVATION: 708.81(±)  
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985319  
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I3802-12" TO -L- STATION 10+00.00 IS 13802-12 10,166.40  
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NAVD 88

### NOTES:

- THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 83/NSRS 2007 ADJUSTMENT. THIS CALIBRATION WILL ALLOW THE END USER TO WORK WITHIN THE SAME COORDINATE SYSTEM WHEN USING RTK (REAL TIME KINEMATIC) GPS AND A LOCAL BASE STATION. IF ANOTHER SYSTEM SUCH AS VRS (VIRTUAL REFERENCE STATION) IS USED, ADDITIONAL FIELD TIES MAY BE NEEDED TO REDUCE POSSIBLE ERRORS, OR BIASES.
- THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:  
[HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)  
 THE FILES TO BE FOUND ARE AS FOLLOWS:  
 W5313\_LS\_GPSCALIB.HTML  
 W5313\_LS\_WGS84.TXT  
 W5313\_LS\_LOCAL.TXT  
 W5313\_LS\_CONTROL.TXT  
  
 THE WGS84 AND LOCAL FILES ARE COMMA DELIMITED AND CAN BE USED TO REPRODUCE THE SITE CALIBRATION FOR THE END USER'S GPS EQUIPMENT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.  
 PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

NOTE: DRAWING NOT TO SCALE