

# SURVEY CONTROL SHEET U-3308

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
LALT	12+00.00	-40.00	812050.1674	2032215.8538
LALT	12+00.00	40.00	812020.6236	2032290.1988
LALT	13+50.00	76.77	812146.4398	2032379.7678
LALT	19+09.76	-78.51	812723.1107	2032440.2890
LALT	20+94.97	50.00	812852.6569	2032624.2176
LALT	20+97.00	-50.00	812888.3356	2032530.7770
LALT	25+00.01	55.08	813232.1877	2032765.7784
LALT	25+02.74	-50.00	813270.2726	2032667.7988
LALT	26+10.85	-50.00	813372.7674	2032706.2211
LALT	26+10.85	56.60	813334.0027	2032805.5276
LALT	34+79.67	-50.00	814182.1086	2033022.1505
LALT	34+79.67	55.89	814143.6069	2033120.7903
LALT	37+35.00	-45.00	814416.7834	2033136.9899
LALT	38+79.73	-45.00	814543.9860	2033212.5509
LALT	38+79.73	50.00	814492.5457	2033292.4188
LALT	39+80.08	-45.00	814628.3496	2033266.8867
LALT	39+80.08	50.00	814576.9092	2033346.7546
LALT	43+42.35	45.00	814907.4503	2033513.9030
LALT	44+15.00	45.00	814974.6203	2033541.5967
LALT	46+00.00	45.00	815145.6539	2033612.1127
LALT	47+64.80	-45.00	815332.3133	2033591.7219
LALT	47+65.19	-54.50	815336.3030	2033583.0920
LALT	47+67.91	-45.00	815335.1921	2033592.9088
LALT	47+67.91	45.00	815300.8870	2033676.1143
LALT	48+19.00	45.00	815351.6188	2033695.0362
LALT	49+47.00	-50.00	815497.7368	2033633.0324
LALT	50+34.31	50.00	815575.2304	2033740.6176
LALT	50+34.31	-50.00	815578.8160	2033640.6819
LALT	53+93.68	50.00	815934.3771	2033753.5035
LALT	54+39.68	50.00	815980.3475	2033755.1528
LALT	57+75.00	50.00	816315.4485	2033767.1759
LALT	60+73.00	-50.00	816616.8424	2033677.9253
LALT	62+15.49	50.00	816755.6536	2033782.9701
LALT	62+15.49	-50.00	816759.2412	2033683.0345
LALT	63+05.00	50.00	816845.4149	2033785.9225
LALT	63+25.00	-50.00	816868.3289	2033686.5497
LALT	64+30.00	30.00	816971.2209	2033769.1537
LALT	64+47.00	-42.47	816989.7316	2033697.0567
LALT	66+10.00	-42.23	817152.2487	2033699.7314
LALT	66+10.00	30.00	817151.5580	2033771.9605
LALT	66+10.00	20.77	817151.6463	2033762.7294

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+95.00	25.34	813864.3214	2032866.7089
Y1	11+95.00	-24.66	813910.6625	2032885.4887
Y1	12+23.30	-47.91	813921.5863	2032920.4546
Y1	12+24.53	47.08	813833.0897	2032885.9097

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+70.17	-44.38	813876.9532	2033015.5446
Y2	10+80.00	-24.75	813855.0440	2033016.9632

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	9+98.35	65.00	812849.0793	2032300.7257
Y3	10+25.00	30.00	812871.8052	2032338.3939
Y3	10+65.00	-30.97	812913.7632	2032398.0357
Y3	11+73.90	73.57	812776.4625	2032460.7848
Y3	11+75.00	-31.39	812873.6486	2032500.4613
Y3	11+75.58	30.40	812815.9857	2032478.2419

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3A	10+62.99	29.72	812951.7984	2032380.8332
Y3A	12+32.00	30.00	813102.4473	2032457.4501
Y3A	12+47.00	-29.33	813142.6356	2032411.3044

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	10+20.05	-47.61	814323.4108	2033083.5222
Y4	10+50.00	-30.00	814356.6795	2033073.5188
Y4	10+65.00	28.00	814409.4206	2033101.9331
Y4	11+00.00	-28.00	814392.1276	2033038.1997
Y4	11+00.00	-30.00	814390.6604	2033036.8405

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y	12+63.62	45.00	813236.7314	2032238.9744
Y	12+85.00	30.00	813239.9355	2032264.7170
Y	14+16.22	30.00	813176.0659	2032378.1529
Y	14+50.00	30.00	813158.9845	2032407.6007
Y	15+45.00	30.00	813112.3530	2032491.2254
Y	15+68.06	30.00	813101.3489	2032511.7004
Y	16+50.00	30.00	813062.7789	2032583.9921
Y	16+61.22	45.70	813043.6436	2032586.4945
Y	17+62.19	45.04	812996.6977	2032675.8930
Y	17+70.00	30.00	813006.2919	2032689.8657
Y	18+40.63	30.00	812973.0427	2032752.1847
Y	20+52.69	30.00	812878.0357	2032943.7257
Y	24+40.92	30.00	812698.6063	2033284.1083
Y	24+50.00	30.00	812693.9436	2033291.8971
Y	24+50.00	18.50	812703.8108	2033297.8040

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	10+59.04	-38.08	814332.5114	2033199.7747
Y5	10+80.00	-25.25	814308.8565	2033206.4293

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	10+05.76	-37.69	814673.8797	2033295.3343
Y6	10+16.13	42.46	814751.0751	2033319.2774
Y6	10+20.00	-22.89	814693.2678	2033288.5471
Y6	10+36.00	22.02	814740.7574	2033292.6991

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	10+89.75	38.56	814633.4315	2033381.8742
Y7	10+92.09	-42.43	814706.0975	2033419.7177
Y7	11+10.00	-23.00	814680.9768	2033425.9117
Y7	11+17.00	23.00	814636.2372	2033413.1299

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y8	10+29.86	-36.37	814867.6305	2033371.6227
Y8	10+32.94	35.00	814933.8259	2033398.4683
Y8	10+44.00	-16.94	814891.1781	2033366.8326
Y8	10+53.00	15.00	814923.9663	2033371.9127

ROW MARKER CONCRETE OR GRANITE-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y9	10+83.80	-34.08	814884.4951	2033504.2749
Y9	10+84.37	35.44	814821.0176	2033475.9100
Y9	11+05.00	15.00	814831.0405	2033503.1713
Y9	11+05.00	-15.00	814858.3293	2033515.6339

## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U3308-1"

WITH NAD 83/95 STATE PLANE GRID COORDINATES OF  
 NORTHING: 812119.1565(ft) EASTING: 2032940.6980(ft)  
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT  
 (GROUND TO GRID) IS: 0.99994270  
 THE N.C. LAMBERT GRID BEARING AND  
 LOCALIZED HORIZONTAL GROUND DISTANCE FROM  
 "U3308-1" TO -LALT- 13+50.00 IS  
 N 84° 58' 17.0" W 634.7202 (ft)  
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NAVD 88

**NOTES:**

1. THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN (HIGH ACCURACY REFERENCE NETWORK) NAD 83/95 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.
  2. 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:  
 U3308\_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.  
 NETWORK ESTABLISHED FROM EXISTING HARN MONUMENTATION  
 SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

**NOTE: DRAWING NOT TO SCALE**