PROJECT REFERENCE NO.	SHEET NO.
R-4903	1C-2
Location and Surveys	

SURVEY CONTROL SHEET R-4903

BL

POINT	DESC.	NORTH	EAST	ELEVATION	Y02 STATION	OFFSET
BL1	R4903-BL1	311948.6464	2110784.2092	117.69	230+92.41	12.90 RT
BL2	R4903-BL2	311662.2714	2111435.9230	124.04	238+03.53	14.49 RT
BL3	R4903-BL3	311474.7687	2111943.7690	120.71	243+44.29	12.61 RT
BL4	R4903-BL4	311342.7671	2112339.9541	117.63	247+61.40	15.23 RT
BL5	R4903-BL5	311190.6275	2112886.0634	112.21	253+27.62	14.80 RT
BL6	R4903-BL6	311063.6482	2113446.0655	107.38	259+01.15	14.94 RT
BL7	R4903-BL7	310969.9344	2113983.9481	109.43	264+46.49	14.18 RT
BL8	R4903-BL8	310899.0329	2114532.4784	117.16	269+98.92	15.58 RT
BL9	R4903-BL9	310869.8693	2115137.0475	125.65	276+03.65	0.95 LT
BL10	R4903-BL10	310840.7794	2115760.8433	125.85	282+27.64	14.48 RT
BL11	R4903-BL11	310857.5335	2116303.1066	120.47	287+69.56	13.44 RT
BL12	R4903-BL12	310903.6534	2116871.7113	114.26	293+39.24	14.07 RT
BL13	R4903-BL13	311002.6577	2117496.3884	108.86	299+70.71	14.73 RT
BL14	R4903-BL14	311131.2982	2118030.3573	116.02	305+19.45	9.61 RT
BL15	R4903-BL15	311300.9350	2118598.1050	126.46	311+11.21	21.03 LT
BL16	R4903-BL16	311503.7098	2119438.3601	121.68	319+75.58	19.47 LT
103		311641.2486	2120133.0354	113.24	OUTSIDE PROJECT LIMITS	

BY

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
BY17	R4903-BY17	314198.1428	2116058.7819	112.94	80+73.86	25.03 LT
BY18	R4903-BY18	313588.2091	2115848.1475	85.07	74+28.99	24.97 LT
BY19	R4903-BY19	312852.4034	2115596.6119	67.57	66+67.44	108.84 LT
BY20	R4903-BY20	312133.6141	2115375.9525	94.10	59+29.78	246.51 LT
BY21	R4903-BY21	311490.8855	2115251.6768	118.89	52+77.13	297.38 LT
BY22	R4903-BY22	310869.8693	2115137.0475	125.65	46+47.13	341.12 LT
BY23	R4903-BY23	310254.2157	2115032.7526	126.87	39+90.89	351.78 LT
BY24	R4903-BY24	309775.8187	2114954.2720	127.26	34+79.43	310.92 LT
BY25	R4903-BY25	309088.9648	2114853.1406	125.38	27+70.47	171.09 LT
BY26	R4903-BY26	308498.7764	2114701.6928	118.73	21+64.84	50.35 LT
BY27	R4903-BY27	307876.4715	2114420.1928	115.92	14+82.50	20.09 LT
BY28	R4903-BY28	307470.8844	2114214.2409	115.06	10+27.62	20.43 LT

BY1

POINT	DESC.	NORTH	EAST	ELEVATION	Y01 STATION	OFFSET
BY34	R4903-BY34	310104.1793	2111715.9622	120.09	OUTSIDE PROJECT LIMITS	
BY33	R4903-BY33	309894.0091	2112316.6608	121.19	15+94.83	17.59 RT
BY32	R4903-BY32	309722.6487	2112924.3442	122.33	22+24.01	21.29 RT
BY31	R4903-BY31	309657.7548	2113673.5033	125.24	29+32.43	147.76 LT
BY30	R4903-BY30	309710.6199	2114291.1325	126.00	35+09.45	491.84 LT
BY29	R4903-BY29	309775.8187	2114954.2720	127.26	42+30.95	726.97 LT

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****************************************
BM1       ELEVATION = 114.81
N 311754        E 2110933
Y02 STATION 233+08.00 127 RIGHT
RR IN BASE OF 15 PINE
****************************************

****************************************
BM2       ELEVATION = 120.84
N 310802        E 2114263
Y02 STATION 267+44.00 143 RIGHT
RR IN BASE OF 20 PINE
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BM3       ELEVATION = 126.21
N 311410        E 2118381
Y02 STATION 309+26.00 178 LEFT
NAIL IN BASE OF 22 PINE
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DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R4903-2"
WITH NAD 83/2001 STATE PLANE GRID COORDINATES OF
NORTHING: 312198.5960(ft) EASTING: 2110291.9350(ft)
ELEVATION: 106.25(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: .999937634
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R4903-2" TO -L- STATION 10+00.00 IS
S 39° 31' 14.7" E 6,172.69 ft
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

FINAL ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	24+01.95	75.00	308653.5973	2114920.6927
L	16+76.41	75.00	308006.4428	2114592.6783
L	28+15.00	75.00	309032.8451	2115096.7842
L	32+60.00	75.00	309453.9198	2115256.8142
L	40+00.00	125.00	310166.5971	2115501.4977
L	42+77.02	125.00	310444.8123	2115552.0353
L	56+50.00	100.00	311816.4798	2115688.6369
L	66+13.79	75.00	312776.9271	2115772.6803
L	63+90.00	100.00	312551.7423	2115772.2375
L	63+90.00	75.00	312554.5666	2115747.3975
L	74+94.77	75.00	313618.2130	2115963.7586
L	34+50.00	85.00	309634.1991	2115325.1175
L	30+20.00	75.00	309225.3450	2115174.3845
L	28+70.00	125.00	309065.1688	2115164.4730
L	53+00.70	125.00	311466.5936	2115674.0154

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y01	23+64.88	50.00	309670.1414	2113059.5488
Y01	30+15.02	50.00	309444.9316	2113641.0193
Y01	28+23.33	-50.00	309626.9922	2113524.7885
Y01	36+22.86	-50.00	309261.9505	2114227.5597
Y01	37+09.13	-65.75	309249.8929	2114312.4297
Y01	39+44.72	-93.35	309217.5870	2114539.8198
Y01	42+27.82	-114.10	309177.6426	2114820.8559
Y01	37+85.00	65.00	309102.8091	2114347.2338
Y01	37+45.00	50.00	309128.7519	2114312.2143
Y01	39+44.72	65.00	309062.8609	2114506.1365
Y01	42+32.50	65.00	309001.6468	2114787.3273
Y01	29+66.63	-50.00	309555.2231	2113654.2457
Y01	30+66.05	-50.00	309500.9929	2113738.2844

FINAL ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y02	261+30.00	139.34	310898.4494	2113649.1920
Y02	261+60.00	170.00	310862.9304	2113673.7443
Y02	264+56.99	170.00	310814.2740	2113971.1802

FINAL ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y03	13+76.83	50.00	309638.5247	2113972.9755
Y03	11+30.06	-50.00	309625.5191	2113713.4707

FINAL ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
RMPD	14+86.04	110.00	311117.7440	2116391.5005
RMPD	16+17.98	110.00	311171.1569	2116292.3159
RMPD	18+17.98	110.00	311286.3571	2116147.1159
RMPD	20+17.66	110.00	311418.5097	2115958.6894
RMPD	21+46.21	110.00	311459.1805	2115795.6791
RMPD	15+06.43	48.88	311069.3980	2116349.8910

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	307437.0151	2114219.9764
PC	24+01.95	308687.5048	2114853.7952
PT	45+37.36	310722.2595	2115463.5780
PC	66+13.79	312785.4001	2115698.1604
PT	74+94.77	313642.7615	2115892.8899
POT	80+89.74	314204.9580	2116087.6320

Y01

TYPE	STATION	NORTH	EAST
POT	10+00.00	310106.7774	2111760.8267
TS	14+88.08	309945.7203	2112221.5673
SC	18+38.08	309835.2889	2112553.6548
PRC	23+64.88	309719.5588	2113067.1594
PT	30+15.02	309486.5831	2113668.6807
PC	30+15.02	309486.5831	2113668.6807
PT	39+44.72	309126.3734	2114519.9629
POT	44+45.85	309019.7758	2115009.6255

Y02

TYPE	STATION	NORTH	EAST
PC	224+52.60	312250.4332	2110219.5856
PT	288+55.41	310875.7891	2116388.1218
CS	288+55.41	310875.7891	2116388.1218
SC	291+55.41	310898.3823	2116687.2564
CS	301+19.00	311047.9021	2117638.5201
ST	304+19.00	311116.8961	2117930.4734
POT	324+19.00	311589.5927	2119873.8102

Y03

TYPE	STATION	NORTH	EAST
POT	10+00.00	309486.5831	2113668.6807
PC	10+47.98	309526.5528	2113695.2251
PRC	13+76.83	309688.3500	2113968.8000
CS	14+56.45	309695.8241	2114048.0638
ST	18+06.45	309742.8999	2114394.8506
PC	21+57.30	309795.3909	2114741.7535
PT	26+16.99	309765.9279	2115196.9632
POT	26+92.19	309745.1861	2115269.2472

SR1

TYPE	STATION	NORTH	EAST
POT	10+00.00	311394.4339	2115257.9065
PC	13+00.00	311690.5325	2115306.1309
PCC	21+74.93	312540.0139	2115512.0338
PT	23+39.31	312622.1644	2115639.7177
POT	23+78.94	312617.6876	2115679.0912

RMPB

TYPE	STATION	NORTH	EAST
POT	10+00.00	310957.5986	2113807.8274
TS	11+50.00	310922.3918	2113953.6371
SC	13+50.00	310871.0935	2114146.9044
CS	17+63.29	310694.0949	2114518.8922
SRS	19+63.29	310576.4859	2114680.6077
SC	21+63.29	310462.5159	2114844.7651
PT	24+60.21	310369.7153	2115124.7731
POT	27+44.27	310335.1229	2115406.7187

RMPD

TYPE	STATION	NORTH	EAST
TS	10+00.00	310966.8107	2116825.0611
SC	12+00.00	310955.1544	2116625.5560
CS	16+17.98	311079.2075	2116231.9395
SRS	18+17.98	311203.1483	2116075.1695
SC	20+17.98	311318.5728	2115912.7262
PT	21+46.21	311349.3842	2115788.9891
POT	23+99.03	311364.7605	2115536.6314

LPB

TYPE	STATION	NORTH	EAST
TS	10+00.00	310808.8914	2115276.0298
SC	12+00.00	310783.3490	2115079.8995
PT	17+00.79	310407.4581	2115134.5488
POT	19+81.43	310358.7503	2115410.9314

LPD

TYPE	STATION	NORTH	EAST
CS	10+00.00	310909.0997	2115687.1497
SC	11+50.00	310928.1434	2115834.9637
PT	16+79.58	311312.5608	2115783.2863
POT	19+30.55	311340.9142	2115533.9200

DRV1

TYPE	STATION	NORTH	EAST
POT	10+00.00	312617.6876	2115679.0912
PC	10+30.89	312614.1979	2115709.7825
PT	10+56.06	312607.2514	2115733.8493
PC	11+01.33	312587.6101	2115774.6371
PT	11+42.88	312586.2684	2115814.9827
POT	11+84.01	312601.6135	2115853.1479

NOTES:

1. *THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING NCDOT PROJECT CONTROL DATA AT:*
HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/PAGES/DEFAULT.ASPX

THE FILES TO BE FOUND ARE AS FOLLOWS:
R4903_LS_CONTROL.TXT

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. 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

13-OCT-2014 11:03
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