6/24/14

PROJECT REFERENCE NO.	SHEET NO.
EB-4707B	1C-1

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NGS FOR MONUMENT "POPE"
WITH NAD 83/2001 STATE PLANE GRID COORDINATES OF
NORTHING: 798911.6400(ft) EASTING: 2001615.6100(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999934987
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "POPE" TO -L- STATION 10+00.00 IS N 88°25'43" 5368.68'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

BASELINE DATA

10	(BL-10)	N 799058.422 E 2001203.325 ELEV	327.26' STA	55+11.19	
		COURSE FROM 10 TO 11 S 69° 21' 03.9" E DIST	687.86'		
11	(BL-11)	N 798815.855 E 2001846.995 ELEV	337.28' STA	61+99.05	
		COURSE FROM 11 TO 12 S 78° 28' 41.9" E DIST	845.21'		
12	(BL-12)	N 798647.034 E 2002675.171 ELEV	324.01' STA	70+44.25	
		COURSE FROM 12 TO 13 S 80° 44' 30.8" E DIST	611.97'		
13	(BL-13)	N 798548.579 E 2003279.168 ELEV	299.23' STA	76+56.22	
		COURSE FROM 13 TO 14 S 81° 08' 59.8" E DIST	578.46'		
14	(BL-14)	N 798459.584 E 2003850.737 ELEV	304.30' STA	82+34.68	
		COURSE FROM 14 TO 15 S 80° 41' 29.0" E DIST	618.28'		
15	(BL-15)	N 798359.576 E 2004460.875 ELEV	293.93' STA	88+52.96	
		COURSE FROM 15 TO 16 S 86° 08' 02.6" E DIST	580.21'		
16	(BL-16)	N 798320.457 E 2005039.765 ELEV	264.71' STA	94+33.17	
		COURSE FROM 16 TO 17 S 76° 37' 26.6" E DIST	584.49'		
17	(BL-17)	N 798185.186 E 2005608.387 ELEV	251.60' STA	100+17.66	
		COURSE FROM 17 TO 18 S 80° 22' 37.0" E DIST	542.68'		
18	(BL-18)	N 798094.468 E 2006143.434 ELEV	261.81' STA	105+60.34	
		COURSE FROM 18 TO 19 S 81° 47' 26.5" E DIST	737.27'		
19	(BL-19)	N 797989.193 E 2006873.153 ELEV	252.83' STA	112+97.62	
		COURSE FROM 19 TO 20 N 68° 27' 24.0" E DIST	601.67'		
20	(BL-20)	N 798210.129 E 2007432.790 ELEV	258.47' STA	118+99.29	
		COURSE FROM 20 TO 21 N 36° 59' 59.6" E DIST	671.07'		
21	(BL-21)	N 798746.070 E 2007836.649 ELEV	255.52' STA	125+70.36	
		COURSE FROM 21 TO 22 N 49° 29' 19.8" E DIST	540.43'		
22	(BL-22)	N 799097.129 E 2008247.524 ELEV	255.03' STA	131+10.78	
		COURSE FROM 22 TO 23 N 37° 57' 15.5" E DIST	473.31'		
23	(BL-23)	N 799470.333 E 2008538.624 ELEV	273.77' STA	135+84.09	
		COURSE FROM 23 TO 24 N 51° 03' 08.0" E DIST	422.20'		
24	(BL-24)	N 799735.732 E 2008866.976 ELEV	290.40' STA	140+06.29	
		COURSE FROM 24 TO 25 N 50° 35' 42.0" E DIST	534.91'		
25	(BL-25)	N 800075.290 E 2009280.287 ELEV	282.51' STA	145+41.20	

BENCHMARK DATA

BM-4 ELEVATION = 333.93'
N = 798967 E = 2001363
-BL- STATION 56+93 29' RIGHT
R/R SPIKE SET IN 13" PINE

BM-5 ELEVATION = 312.57'
N = 798669 E = 2002950
-BL- STATION 73+12 66' LEFT
R/R SPIKE SET IN 19" OAK

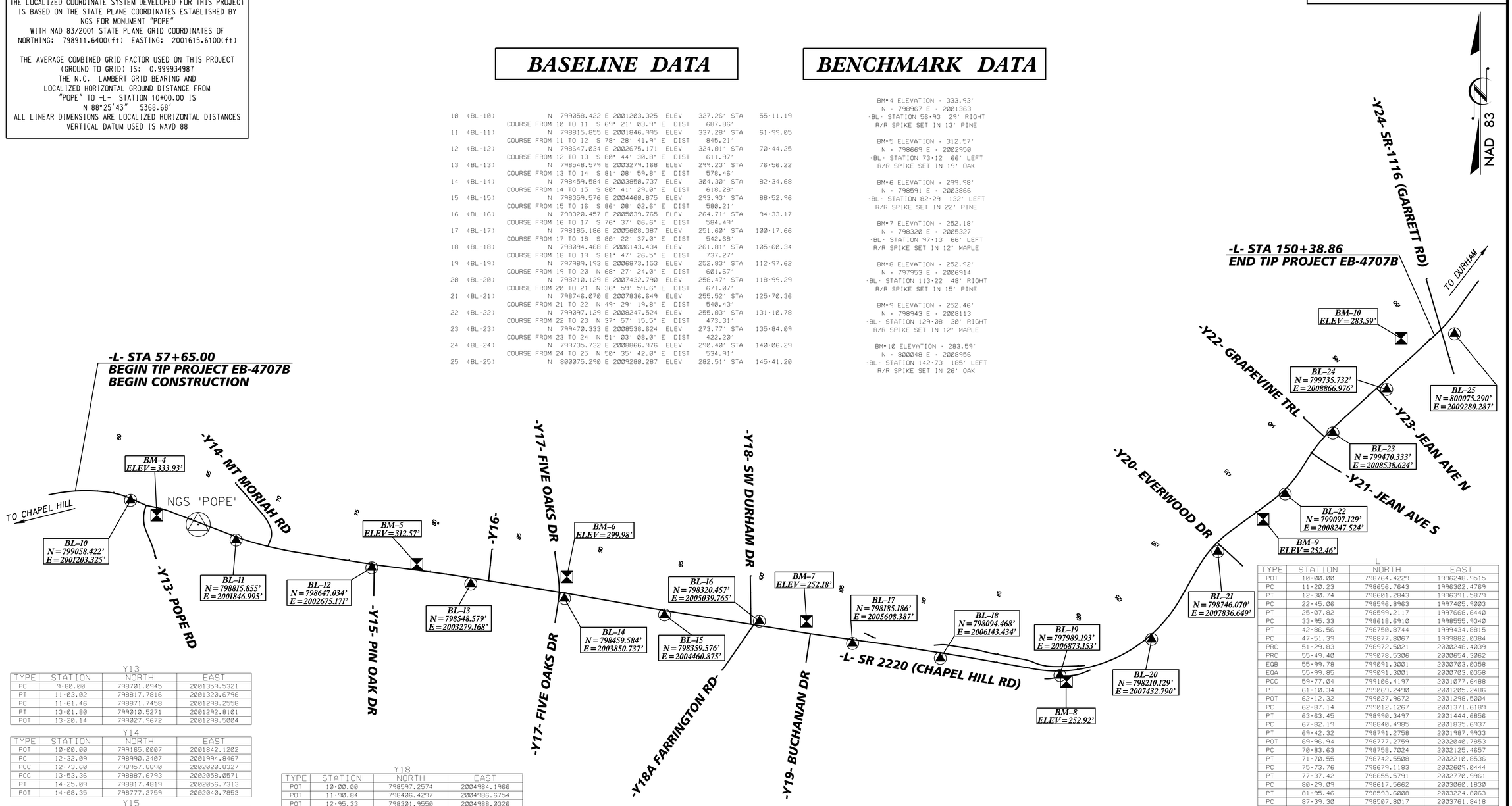
BM-6 ELEVATION = 299.98'
N = 798591 E = 2003866
-BL- STATION 82+29 132' LEFT
R/R SPIKE SET IN 22" PINE

BM-7 ELEVATION = 252.18'
N = 798320 E = 2005327
-BL- STATION 97+13 66' LEFT
R/R SPIKE SET IN 12" MAPLE

BM-8 ELEVATION = 252.92'
N = 797953 E = 2006914
-BL- STATION 113+22 48' RIGHT
R/R SPIKE SET IN 15" PINE

BM-9 ELEVATION = 252.46'
N = 798943 E = 2008113
-BL- STATION 129+08 30' RIGHT
R/R SPIKE SET IN 12" MAPLE

BM-10 ELEVATION = 283.59'
N = 800248 E = 2008956
-BL- STATION 142+73 185' LEFT
R/R SPIKE SET IN 26" OAK



Y13

TYPE	STATION	NORTH	EAST
PC	9+80.00	798701.0945	2001359.5321
PT	11+03.02	798817.7816	2001320.6796
PC	11+61.46	798871.7458	2001298.2558
PT	13+01.80	799010.5271	2001292.8101
POT	13+20.14	799027.9672	2001298.5004

Y14

TYPE	STATION	NORTH	EAST
POT	10+00.00	799165.0007	2001842.1202
PC	12+32.09	798990.2407	2001994.8467
PCC	12+73.60	798957.8898	2002020.8327
PCC	13+53.36	798887.6793	2002059.0571
PT	14+25.09	798817.4819	2002056.7313
POT	14+68.35	798777.2759	2002040.7853

Y15

TYPE	STATION	NORTH	EAST
POT	10+00.00	798666.8071	2002689.8670
POT	11+92.88	798473.9444	2002687.3728

Y16

TYPE	STATION	NORTH	EAST
POT	10+00.00	798760.6013	2003408.1098
POT	11+94.12	798567.5284	2003387.9992

Y17

TYPE	STATION	NORTH	EAST
POT	10+00.00	798745.1824	2003790.8410
PC	11+62.72	798584.0216	2003813.2992
PT	13+09.35	798437.9223	2003812.1059
POT	14+39.19	798309.6274	2003792.0862

Y18

TYPE	STATION	NORTH	EAST
POT	10+00.00	798597.2574	2004984.1966
POT	11+90.84	798406.4297	2004986.6754
POT	12+95.33	798301.9550	2004988.0326

Y18A

TYPE	STATION	NORTH	EAST
POT	10+00.00	798020.6935	2004812.4203
POT	13+38.67	798294.2656	2005005.0263

Y19

TYPE	STATION	NORTH	EAST
POT	10+00.00	798244.8061	2005350.9158
POT	11+78.47	798068.3949	2005323.8812

Y20

TYPE	STATION	NORTH	EAST
POT	10+00.00	798800.6843	2007832.4947
PT	11+43.41	798703.8773	2007938.3046
POT	12+12.07	798657.5294	2007988.9627

Y21

TYPE	STATION	NORTH	EAST
POT	10+00.00	799347.8277	2008408.4332
PC	11+30.91	799273.9705	2008516.5162
PT	12+17.76	799228.9556	2008590.7389
POT	12+20.00	799227.8981	2008592.7173

Y22

TYPE	STATION	NORTH	EAST
POT	10+00.00	799562.3765	2008358.6587
POT	11+73.13	799446.6739	2008487.4476

Y23

TYPE	STATION	NORTH	EAST
POT	10+00.00	799743.6653	2008806.2692
POT	11+33.47	799643.4986	2008894.4640

Y24

TYPE	STATION	NORTH	EAST
POT	10+00.00	800411.0244	2009107.2005
POT	16+07.48	799827.8135	2009277.1839

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	798764.4229	1996248.9515
PC	11+20.23	798656.7643	1996302.4769
PT	12+30.74	798601.2843	1996391.5879
PC	22+45.06	798596.8963	1997405.9003
PT	25+07.82	798599.2117	1997668.6440
PC	33+95.33	798618.6910	1998555.9340
PT	42+86.56	798750.8744	1999434.8815
PC	47+51.39	798877.8067	1999882.0384
PRC	51+29.83	798972.5021	2000246.4039
PRC	55+49.40	799078.5306	2000654.3062
EQB	55+99.78	799091.3021	2000703.0358
EQA	55+99.85	799091.3021	2000703.0358
PCC	59+77.04	799106.4197	2001077.6488
PT	61+10.34	799069.2490	2001205.2486
POT	62+12.32	799027.9672	2001298.5004
PC	62+87.14	799012.1267	2001371.6189
PT	63+63.45	798990.3497	2001444.6856
PC	67+82.19	798840.4985	2001835.6937
PT	69+42.32	798791.2758	2001987.9933
POT	69+96.94	798777.2759	2002040.7853
PC	70+83.63	798758.7024	2002125.4657
PT	71+70.55	798742.5508	2002210.8536
PC	75+73.76	798679.1183	2002609.0444
PT	77+37.42	798655.5791	2002770.9961
PC	80+29.09	798617.5662	2003060.1830
PT	81+95.46	798593.6028	2003224.8063
PC	87+39.30	798507.8017	2003761.8418
PT	88+60.18	798487.8313	2003881.0528
PC	94+30.72	798389.3191	2004443.0233
PT	95+63.36	798367.5004	2004573.8587
PC	102+83.59	798254.9213	2005285.2330
PT	104+25.52	798233.9798	2005425.6151
PC	108+05.13	798181.3052	2005801.5444
PT	109+16.93	798164.7606	2005912.1140
POT	113+14.05	798102.3367	2006304.2987
PC	117+34.31	798028.9673	2006718.1048
PCC	120+10.26	798028.1404	2006992.6875
PT	127+88.03	798468.1817	2007609.0437
PC	130+06.42	798649.9765	2007717.0871
PT	133+00.71	798868.1031	2007911.3974
PC	136+07.02	799049.2799	2008158.3909
PRC	139+15.33	799276.9192	2008363.0887
PT	142+19.89	799512.4538	2008553.0625
PC	145+36.42	799726.4673	2008787.3605
PT	145+87.54	799760.7835	2008825.2521
PC	147+74.93	799885.9793	2008964.6815
PT	148+64.55	799946.3493	2009030.9132
PC	150+65.89	800082.5438	2009178.1086
PT	152+30.37	800206.4834	2009287.0091
PC	153+13.18	800273.9954	2009334.9622
PT	154+69.67	800399.7720	2009428.0542

▼ *INDICATES CONTROL REBAR WITH CAP USED OR SET FOR HORIZONTAL PROJECT BY CH ENGINEERING.*

PROJECT CONTROL ESTABLISHED USING NGS ONLINE USER POSITIONING SYSTEM (OPUS)

DRAWING NOT TO SCALE

$FILE$

1/25/2017