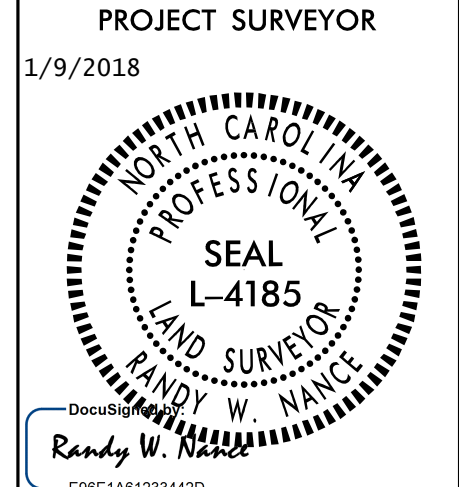


6/2/2018

SURVEY CONTROL SHEET U-6084

PROJECT REFERENCE NO.	SHEET NO.
U-6084	IC-4

Location and Surveys



NOTES:

1. ORIGINAL SURVEY CONTROL FOR THIS PROJECT WAS SURVEYED BY THE ISAACS GROUP IN MAY, 2017 (FILE 15023-RW-050817). SIX OF THEIR CONTROL POINTS WERE HELD AND A CONTROL TRAVERSE AND LEVELS WERE PERFORMED TO NCDOT L&S STANDARDS.
2. GPS DATA WAS NOT PROVIDED BY THE ISAACS GROUP.

- INDICATES BASELINE MONUMENTS FOR HORIZONTAL PROJECT CONTROL
- ✕ INDICATES BENCHMARKS FOR VERTICAL CONTROL

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
	301	61003	580779.9370	1418048.9480	708.32	10+41.13	0.51 RT
	302	61002	580501.3940	1418388.8440	695.41	14+80.58	0.91 RT
	303	61001	580178.5450	1418772.4540	694.98	19+82.02	0.45 RT
	304	61000	579842.1370	1419140.9180	708.57	24+80.98	1.14 LT
	305	20001	579491.2750	1419491.7190	725.30	29+77.12	1.44 LT
	306	20000	579268.7950	1419848.7020	735.50	33+84.97	104.34 LT
	307	20003	578895.3710	1419931.3310	735.26	37+11.31	95.10 RT
	308	4000	578683.1990	1420254.5140	729.39	40+88.30	9.40 RT
	309	4002	578193.4930	1420729.3570	712.96	47+70.41	6.91 RT

-SBX-	
PI Sta 10+41.80	PI Sta 12+75.22
Δ = 23° 36' 44.6" (LT)	Δ = 24° 42' 25.9" (RT)
D = 28° 38' 52.4"	D = 28° 38' 52.4"
L = 82.42'	L = 86.24'
T = 41.80'	T = 43.80'
R = 200.00'	R = 200.00'
SE = EXIST	SE = EXIST

-NBX-	
PI Sta 12+47.03	PI Sta 10+31.43
Δ = 25° 08' 01.1" (RT)	Δ = 25° 08' 01.1" (LT)
D = 28° 38' 52.4"	D = 40° 38' 07.1"
L = 87.73'	L = 61.85'
T = 44.58'	T = 31.43'
R = 200.00'	R = 141.00'
SE = EXIST	SE = EXIST

-L-	
PI Sta 22+54.02	
Δ = 6° 48' 36.0" (RT)	
D = 0° 29' 44.3"	
L = 1,373.98'	
T = 687.80'	
R = 11,560.00'	
SE = EXIST	

NBX				
TYPE	STATION	NORTH	EAST	
PC	10+00.00	578713.8044	1420239.8383	
PT	10+61.85	578747.6923	1420188.6886	
PC	12+02.44	578797.9813	1420057.3977	
PT	12+90.18	578846.0493	1419984.8450	
POT	15+57.29	579038.4912	1419799.6037	

SBX				
TYPE	STATION	NORTH	EAST	
PC	10+00.00	579668.8805	1419304.7323	
PT	10+82.42	579624.0780	1419373.2206	
PC	12+31.42	579569.7490	1419511.9587	
PT	13+17.66	579522.2187	1419583.1233	
POT	17+24.36	579229.2079	1419865.1704	

DATUM DESCRIPTION

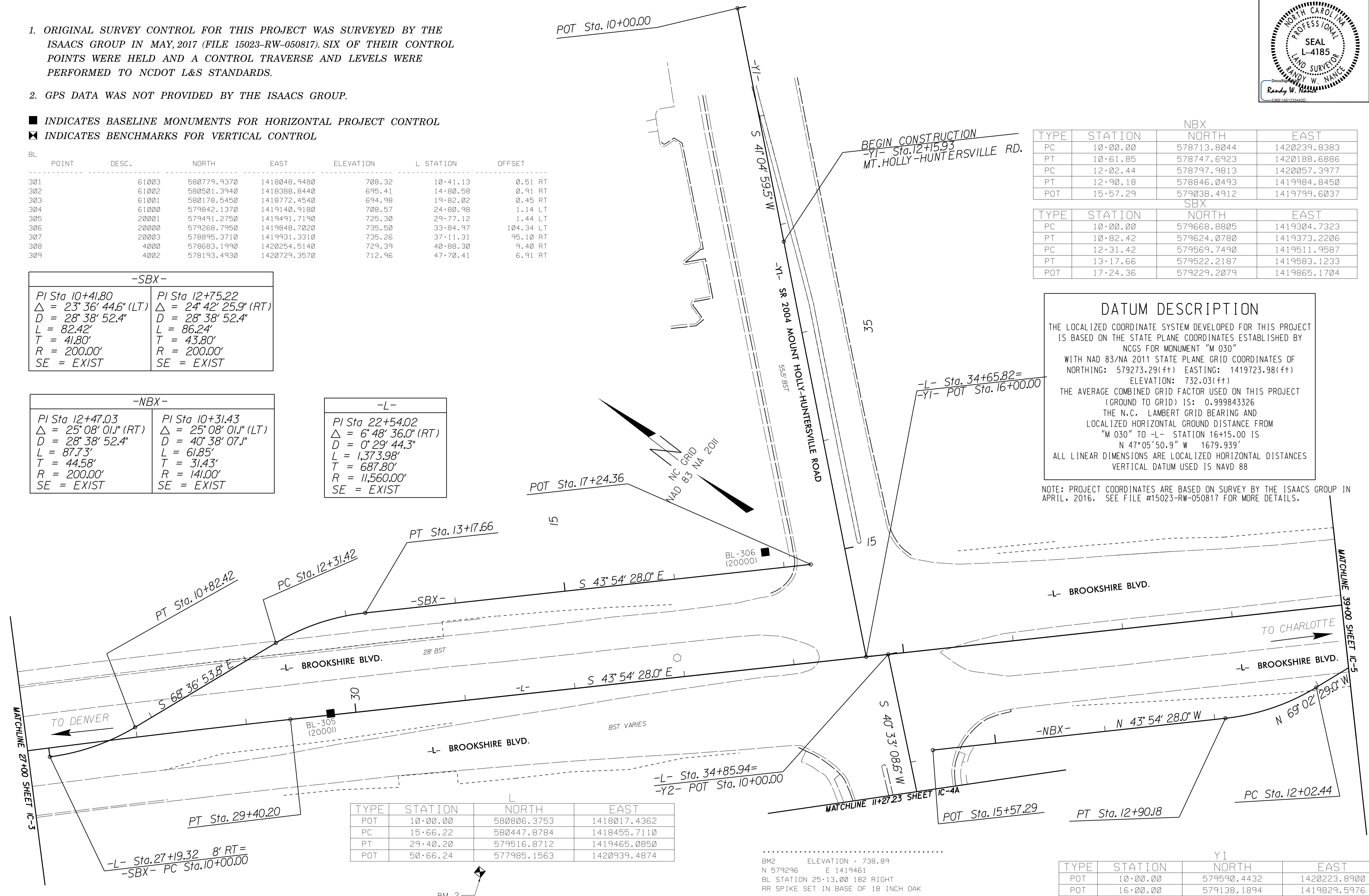
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "M 030" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 579273.29(ft) EASTING: 1419723.98(ft) ELEVATION: 732.03(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99984326

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "M 030" TO -L- STATION 16+15.00 IS N 47°05'50.9" W 1679.939'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

NOTE: PROJECT COORDINATES ARE BASED ON SURVEY BY THE ISAACS GROUP IN APRIL, 2016. SEE FILE #15023-RW-050817 FOR MORE DETAILS.



TYPE	STATION	NORTH	EAST
POT	10+00.00	580806.3753	1418017.4362
PC	15+66.22	580447.8784	1418455.7110
PT	29+40.20	579516.8712	1419465.0850
POT	50+66.24	577985.1563	1420939.4874

BM2 ELEVATION = 738.89
 N 579296 E 1419461
 BL STATION 25+13.00 182 RIGHT
 RR SPIKE SET IN BASE OF 18 INCH OAK

Y1				
TYPE	STATION	NORTH	EAST	
POT	10+00.00	579590.4432	1420223.8900	
POT	16+00.00	579138.1894	1419829.5976	

BM 2
 RR SPIKE SET IN BASE OF 18 INCH OAK
 ELEV=738.886

NOTE: DRAWING NOT TO SCALE

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