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8/17/99

REVISIONS

ROUNDABOUT 1 DETAIL

WETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
License No. F-0377
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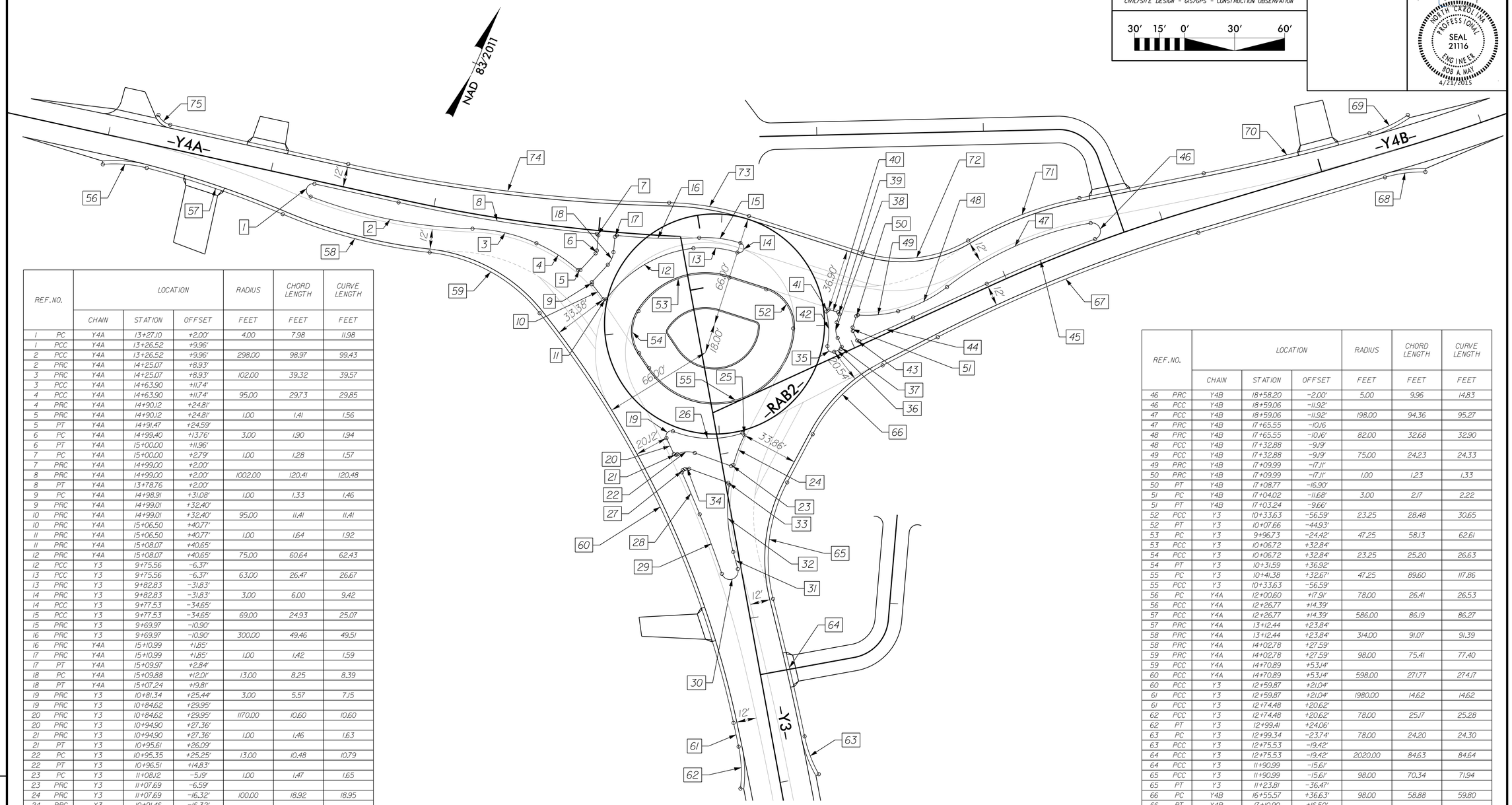
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

30' 15' 0' 30' 60'

PROJECT REFERENCE NO.	SHEET NO.
R-2248G	2B-1
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
Bob A. May
NORTH CAROLINA PROFESSIONAL SEAL 21116 ENGINEER BOB A. MAY
4/21/2015



REF. NO.		LOCATION			RADIUS	CHORD LENGTH	CURVE LENGTH
		CHAIN	STATION	OFFSET	FEET	FEET	FEET
1	PC	Y4A	13+27.10	+2.00'	4.00	7.98	11.98
1	PCC	Y4A	13+26.52	+9.96'			
2	PCC	Y4A	13+26.52	+9.96'	298.00	98.97	99.43
2	PRC	Y4A	14+25.07	+8.93'			
3	PRC	Y4A	14+25.07	+8.93'	102.00	39.32	39.57
3	PCC	Y4A	14+63.90	+11.74'			
4	PCC	Y4A	14+63.90	+11.74'	95.00	29.73	29.85
4	PRC	Y4A	14+90.12	+24.81'			
5	PRC	Y4A	14+90.12	+24.81'	1.00	1.41	1.56
5	PT	Y4A	14+91.47	+24.59'			
6	PC	Y4A	14+99.40	+13.76'	3.00	1.90	1.94
6	PT	Y4A	15+00.00	+11.96'			
7	PC	Y4A	15+00.00	+2.79'	1.00	1.28	1.57
7	PRC	Y4A	14+99.00	+2.00'			
8	PRC	Y4A	14+99.00	+2.00'	1002.00	120.41	120.48
8	PT	Y4A	13+78.76	+2.00'			
9	PC	Y4A	14+98.91	+31.08'	1.00	1.33	1.46
9	PRC	Y4A	14+99.01	+32.40'			
10	PRC	Y4A	14+99.01	+32.40'	95.00	11.41	11.41
10	PRC	Y4A	15+06.50	+40.77'			
11	PRC	Y4A	15+06.50	+40.77'	1.00	1.64	1.92
11	PRC	Y4A	15+08.07	+40.65'			
12	PRC	Y4A	15+08.07	+40.65'	75.00	60.64	62.43
12	PCC	Y3	9+75.56	-6.37'			
13	PCC	Y3	9+75.56	-6.37'	63.00	26.47	26.67
13	PRC	Y3	9+82.83	-31.83'			
14	PRC	Y3	9+82.83	-31.83'	3.00	6.00	9.42
14	PCC	Y3	9+77.53	-34.65'			
15	PCC	Y3	9+77.53	-34.65'	69.00	24.93	25.07
15	PRC	Y3	9+69.97	-10.90'			
16	PRC	Y3	9+69.97	-10.90'	300.00	49.46	49.51
16	PRC	Y4A	15+10.99	+1.85'			
17	PRC	Y4A	15+10.99	+1.85'	1.00	1.42	1.59
17	PT	Y4A	15+09.97	+2.84'			
18	PC	Y4A	15+09.88	+12.01'	13.00	8.25	8.39
18	PT	Y4A	15+07.24	+19.81'			
19	PRC	Y3	10+81.34	+25.44'	3.00	5.57	7.15
19	PRC	Y3	10+84.62	+29.95'			
20	PRC	Y3	10+84.62	+29.95'	1170.00	10.60	10.60
20	PRC	Y3	10+94.90	+27.36'			
21	PRC	Y3	10+94.90	+27.36'	1.00	1.46	1.63
21	PT	Y3	10+95.61	+26.09'			
22	PC	Y3	10+95.35	+25.25'	13.00	10.48	10.79
22	PT	Y3	10+96.51	+14.83'			
23	PC	Y3	11+08.12	-5.19'	1.00	1.47	1.65
23	PRC	Y3	11+07.69	-6.59'			
24	PRC	Y3	11+07.69	-16.32'	100.00	18.92	18.95
24	PRC	Y3	10+91.46	-16.32'			
25	PRC	Y3	10+91.46	-16.32'	1.00	1.85	2.35
25	PRC	Y3	10+89.88	-15.37'			
26	PRC	Y3	10+89.88	-15.37'	60.00	41.69	42.58
26	PRC	Y3	10+81.34	25.44'			
27	PC	Y3	11+05.40	+23.87'	1.00	1.37	1.50
27	PRC	Y3	11+06.58	+24.54'			
28	PRC	Y3	11+06.58	+24.54'	1170.00	27.27	27.27
28	PCC	Y3	11+33.19	+18.59'			
29	PCC	Y3	11+33.19	+18.59'	602.00	38.11	38.12
29	PRC	Y3	11+70.71	+11.90'			
30	PRC	Y3	11+70.71	+11.90'	5.00	10.00	15.37
30	PRC	Y3	11+69.61	+1.97'			
31	PRC	Y3	11+69.61	+1.97'	2004.00	10.65	10.65
31	PCC	Y3	11+58.99	+2.81'			
32	PCC	Y3	11+58.99	+2.81'	100.00	40.48	40.76
32	PRC	Y3	11+18.81	-2.08'			
33	PRC	Y3	11+18.81	-2.08'	1.00	1.27	1.37
33	PT	Y3	11+17.62	-1.64'			

REF. NO.		LOCATION			RADIUS	CHORD LENGTH	CURVE LENGTH
		CHAIN	STATION	OFFSET	FEET	FEET	FEET
34	PC	Y3	11+05.16	+19.85'	3.00	2.42	2.49
34	PT	Y3	11+04.89	+22.26'			
35	PRC	Y4B	16+85.56	-7.72'	3.00	5.27	6.43
35	PRC	Y4B	16+87.91	-3.00'			
36	PRC	Y4B	16+87.91	-3.00'	1330.00	4.30	4.30
36	PRC	Y4B	16+92.20	-2.84'			
37	PRC	Y4B	16+92.20	-2.84'	1.00	1.44	1.61
37	PT	Y4B	16+93.24	-3.84'			
38	PC	Y4B	16+93.24	-9.66'	13.00	9.38	9.60
38	PT	Y4B	16+96.62	-18.41'			
39	PC	Y4B	17+00.05	-22.18'	1.00	1.47	1.65
39	PRC	Y4B	16+99.92	-23.64'			

REF. NO.		LOCATION			RADIUS	CHORD LENGTH	CURVE LENGTH
		CHAIN	STATION	OFFSET	FEET	FEET	FEET
40	PRC	Y4B	16+99.92	-23.64'	75.00	5.98	5.98
40	PRC	Y4B	16+95.33	-27.47'			
41	PRC	Y4B	16+95.33	-27.47'	1.00	1.74	2.12
41	PRC	Y4B	16+93.67	-26.92'			
42	PRC	Y4B	16+93.67	-26.92'	50.00	20.85	21.00
42	PRC	Y4B	16+85.56	-7.72'			
43	PC	Y4B	17+03.24	-3.47'	1.00	1.40	1.54
43	PRC	Y4B	17+04.21	-2.47'			
44	PRC	Y4B	17+04.21	-2.47'	1330.00	35.32	35.32
44	PT	Y4B	17+39.53	-2.00'			
45	PC	Y4B	17+88.11	-2.00	932.00	70.22	70.24
45	PRC	Y4B	18+58.20	-2.00			

REF. NO.		LOCATION			RADIUS	CHORD LENGTH	CURVE LENGTH
		CHAIN	STATION	OFFSET	FEET	FEET	FEET
46	PRC	Y4B	18+58.20	-2.00'	5.00	9.96	14.83
46	PCC	Y4B	18+59.06	-11.92'			
47	PCC	Y4B	18+59.06	-11.92'	198.00	94.36	95.27
47	PRC	Y4B	17+65.55	-10.16			
48	PRC	Y4B	17+65.55	-10.16'	82.00	32.68	32.90
48	PCC	Y4B	17+32.88	-9.19'			
49	PCC	Y4B	17+32.88	-9.19'	75.00	24.23	24.33
49	PRC	Y4B	17+09.99	-17.11'			
50	PRC	Y4B	17+09.99	-17.11'	1.00	1.23	1.33
50	PT	Y4B	17+08.77	-16.90'			
51	PC	Y4B	17+04.02	-11.68'	3.00	2.17	2.22
51	PT	Y4B	17+03.24	-9.66'			
52	PCC	Y3	10+33.63	-56.59'	23.25	28.48	30.65
52	PT	Y3	10+07.66	-44.93'			
53	PC	Y3	9+96.73	-24.42'	47.25	58.13	62.61
53	PCC	Y3	10+06.72	+32.84'			
54	PCC	Y3	10+06.72	+32.84'	23.25	25.20	26.63
54	PT	Y3	10+31.59	+36.92'			
55	PC	Y3	10+41.38	+32.67'	47.25	89.60	117.86
55	PCC	Y3	10+33.63	-56.59'			
56	PC	Y4A	12+00.60	+17.91'	78.00	26.41	26.53
56	PCC	Y4A	12+26.77	+14.39'			
57	PCC	Y4A	12+26.77	+14.39'	586.00	86.19	86.27
57	PRC	Y4A	13+12.44	+23.84'			
58	PRC	Y4A	13+12.44	+23.84'	314.00	91.07	91.39
58	PRC	Y4A	14+02.78	+27.59'			
59	PRC	Y4A	14+02.78	+27.59'	98.00	75.41	77.40
59	PCC	Y4A	14+70.89	+53.14'			
60	PCC	Y4A	14+70.89	+53.14'	598.00	271.77	274.17
60	PCC	Y3	12+59.87	+21.04'			
61	PCC	Y3	12+59.87	+21.04'	1980.00	14.62	14.62
61	PCC	Y3	12+74.48	+20.62'			
62	PCC	Y3	12+74.48	+20.62'	78.00	25.17	25.28
62	PT	Y3	12+99.41	+24.06'			
63	PC	Y3	12+99.34	-23.74'	78.00	24.20	24.30
63	PCC	Y3	12+75.53	-19.42'			
64	PCC	Y3	12+75.53	-19.42'	2020.00	84.63	84.64
64	PCC	Y3	11+90.99	-15.61'			
65	PCC	Y3	11+90.99	-15.61'	98.00	70.34	71.94
65	PT	Y3	11+23.81	-36.47'			
66	PC	Y4B	16+55.57	+36.63'	98.00	58.88	59.80
66	PT	Y4B	17+10.90	+16.50'			
67	PC	Y4B	17+48.04	+14.88'	916.00	168.38	168.62
67	PT	Y4B	19+18.61	+14.00'			
68	PC	Y4B	20+35.41	+14.00'	78.00	24.44	24.54
68	PT	Y4B	20+59.37	+17.90'			
69	PC	Y4B	20+59.39	-17.91'	78.00	25.48	25.59
69	PCC	Y4B	20+34.03	-14.06'			
70	PCC	Y4B	20+34.03	-14.06'	1246.00	102.29	102.32
70	PT	Y4B	19+31.87	-19.29'			
71	PC	Y4B	18+58.00	-28.33'	214.00	71.47	71.81
71	PRC	Y4B	17+88.71	-30.25'			
72	PRC	Y4B	17+88.71	-30.25'	78.00	63.71	65.63
72	PT	Y4B	17+28.21	-50.15'			
73	PC	Y4B	16+75.31	-98.29'	170.00	48.57	48.74
73	PRC	Y4A	15+41.25	-19.93'			
74	PRC	Y4A	15+41.25	-19.93'	998.00	193.90	194.20
74	PT	Y4A	13+44.34	-14.00'			
75	PC	Y4A	12+35.00	-14.00'	10.00	9.17	9.53
75	PT	Y4A	12+26.85	-18.20'			

4/14/2015
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