


6/2/09

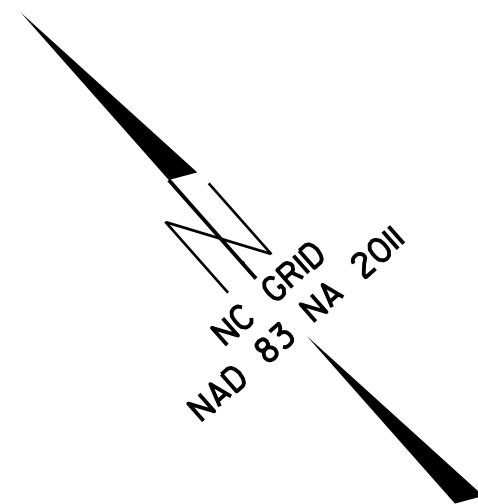
REVISIONS

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Blurner AT RAL-WS083

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

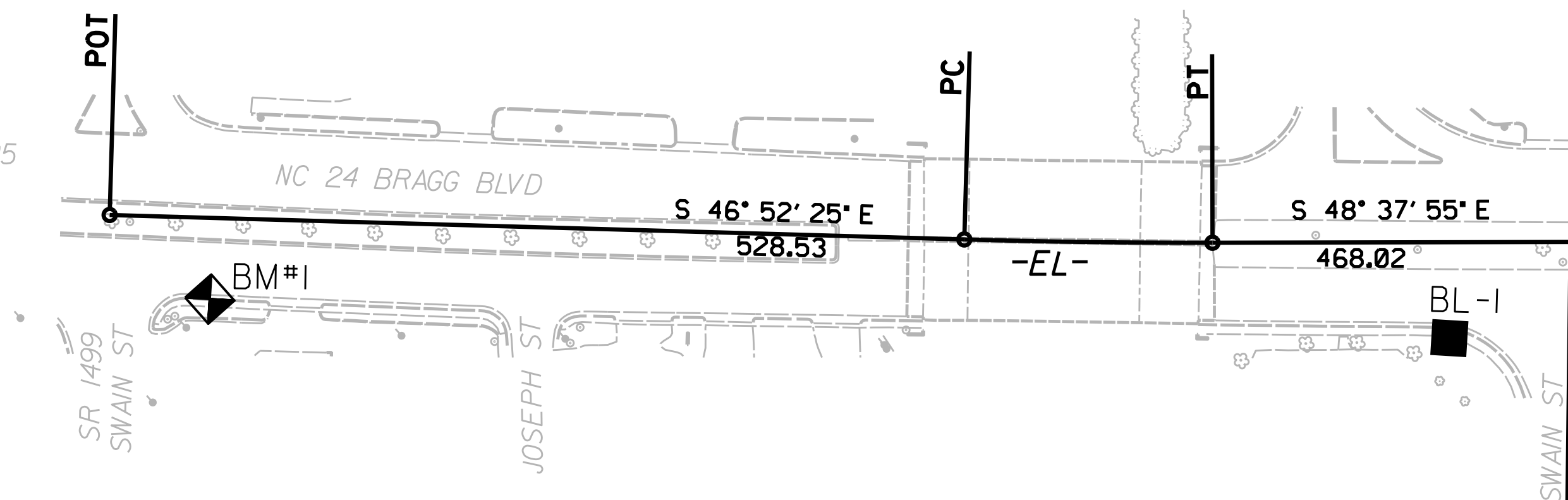
PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-1
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	



U6229-101

U6229-102

← TO NC 295



SEE SHEET RW02C-9
FOR FURTHER
ALIGNMENT DETAILS

MATCHLINE RW02C-2


NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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6/2/09

SURVEY CONTROL SHEET

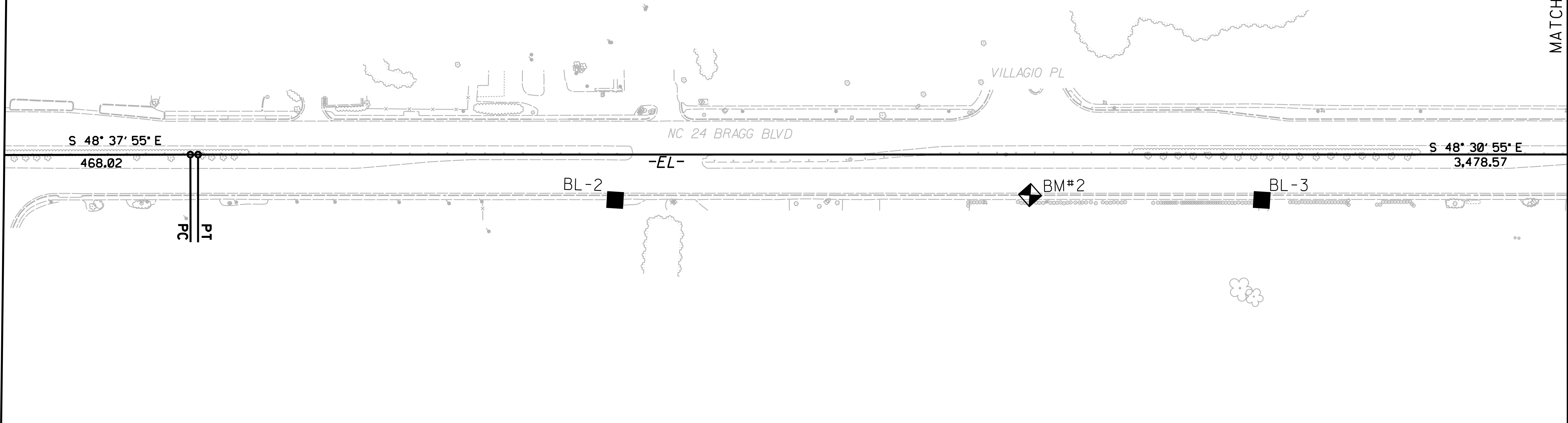
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-2
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

NC GRID
NAD 83 NA 2011

MATCHLINE RW02C-1

MATCHLINE RW02C-3



REVISIONS

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 Blunner AT RAL-WS083


NOTES:

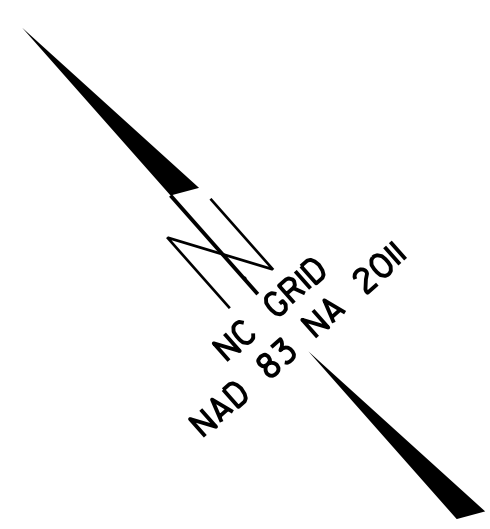
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SURVEY CONTROL SHEET

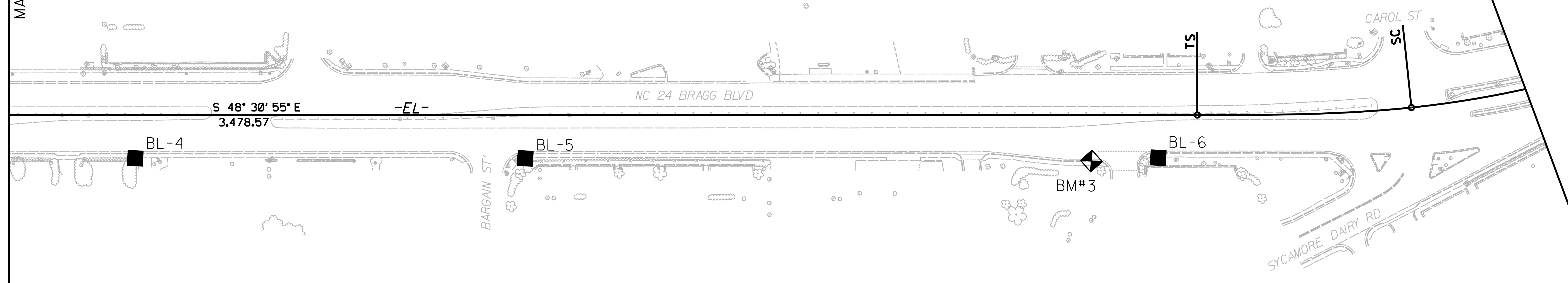
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-3
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	



MATCHLINE RW02C-2

MATCHLINE RW02C-A



REVISIONS

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 Bl Turner AT RAL-WS083


NOTES:

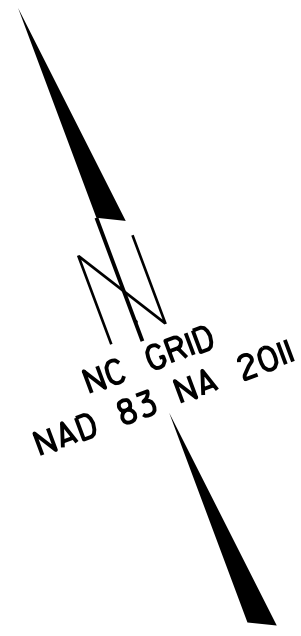
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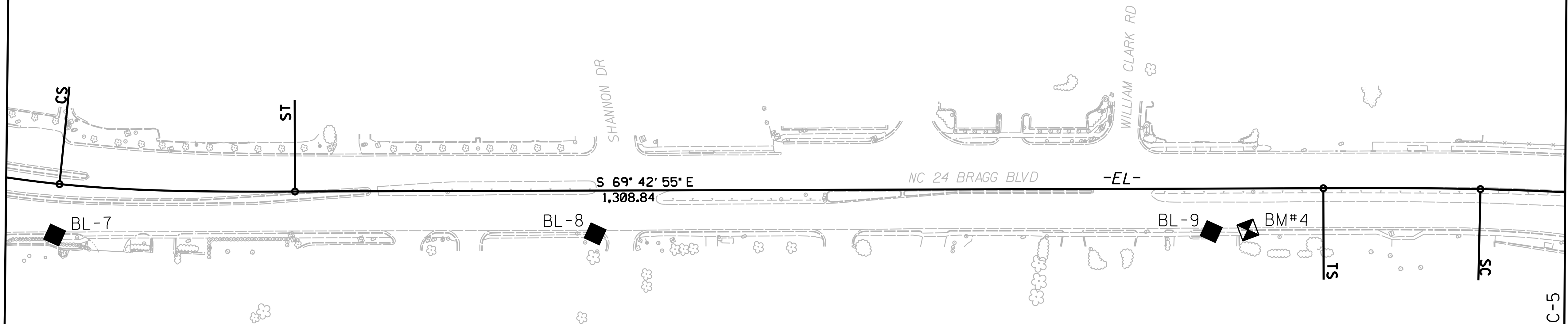
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-4
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	



MATCHLINE RW02C-3



MATCHLINE RW02C-5

REVISIONS

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 Blunner AT RAL-WS083


NOTES:

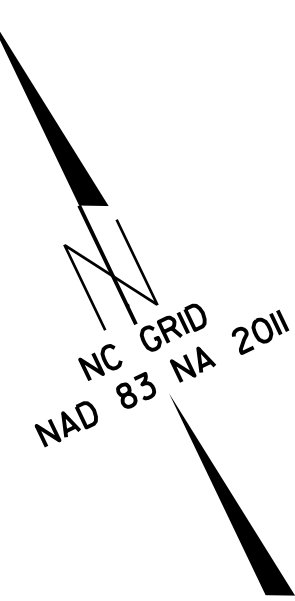
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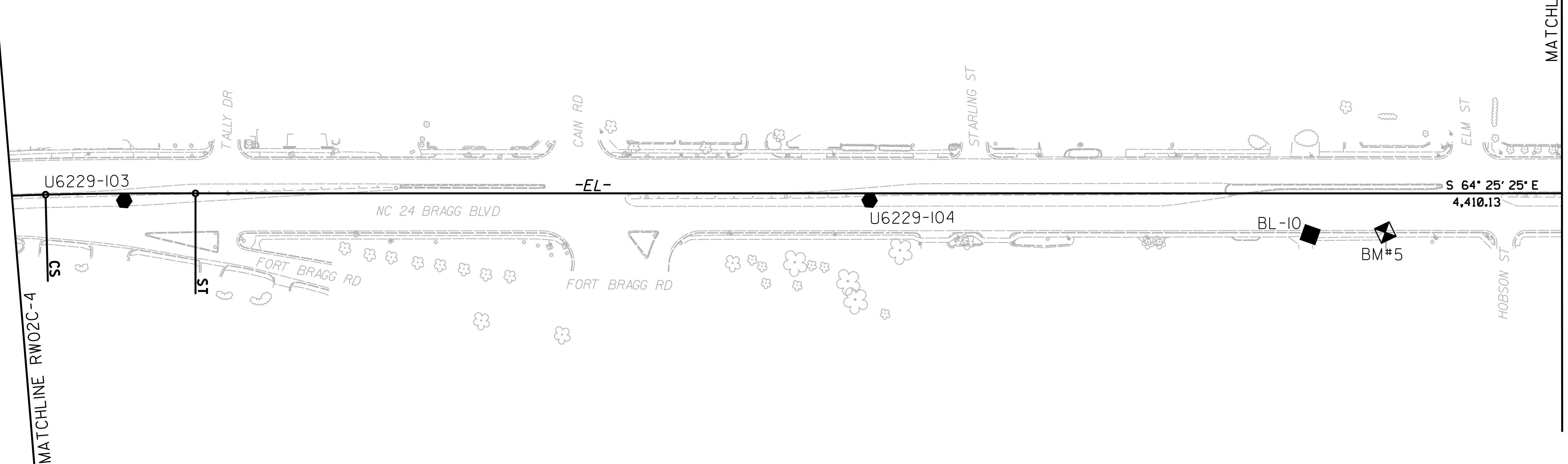
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-5
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION</small>	



REVISIONS




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 Blunner AT RAL-WS083

NOTES:

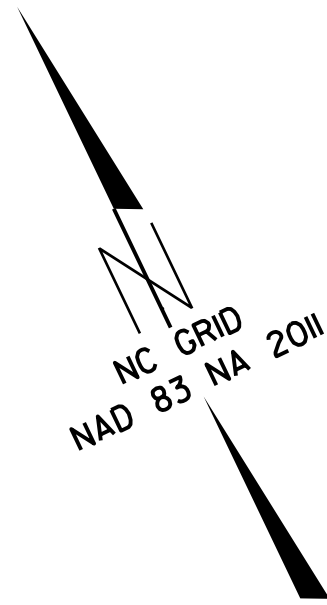
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-6
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
<small>TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION</small>	

SURVEY CONTROL SHEET

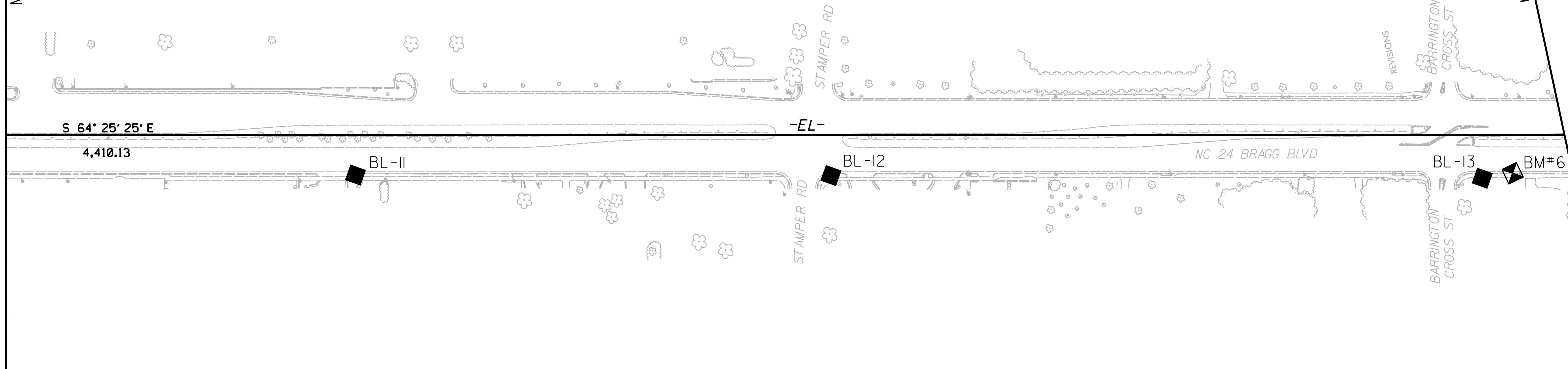
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



REVISIONS

MATCHLINE RW02C-5

MATCHLINE RW02C-7




NOTES:

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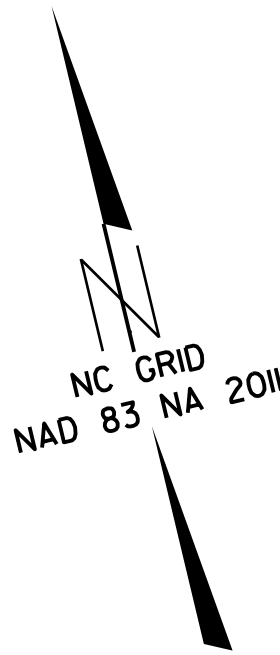
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 Blunner AT RAL-WS083

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-7
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

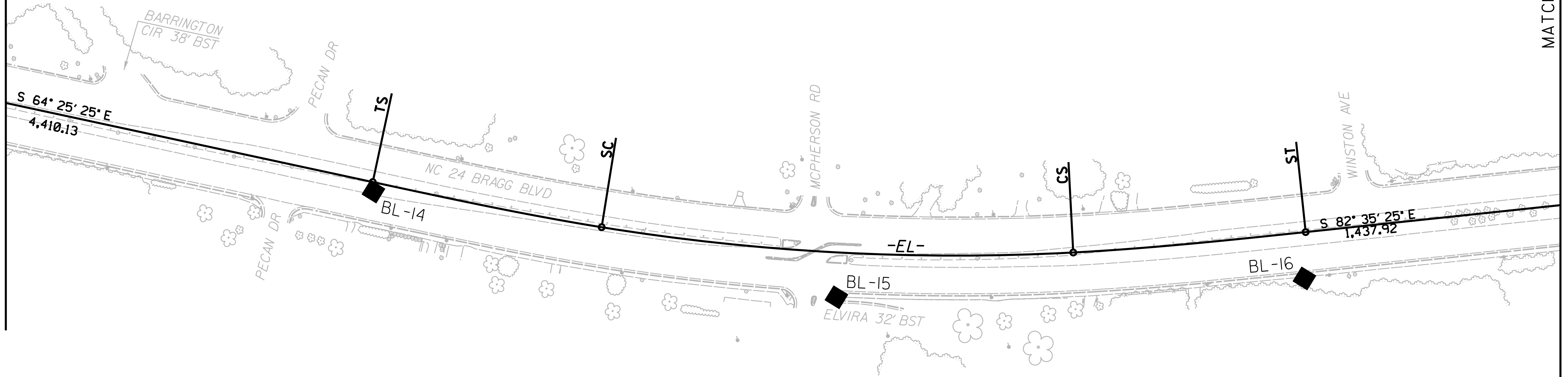
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



MATCHLINE RW02C-6

MATCHLINE RW02C-8



REVISIONS

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NOTES:

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6/2/09

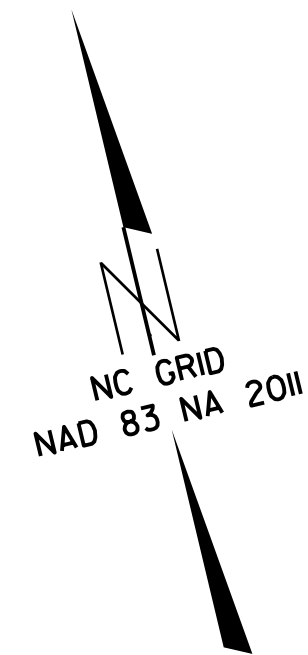
REVISIONS

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Blurner AT RAL-WS083

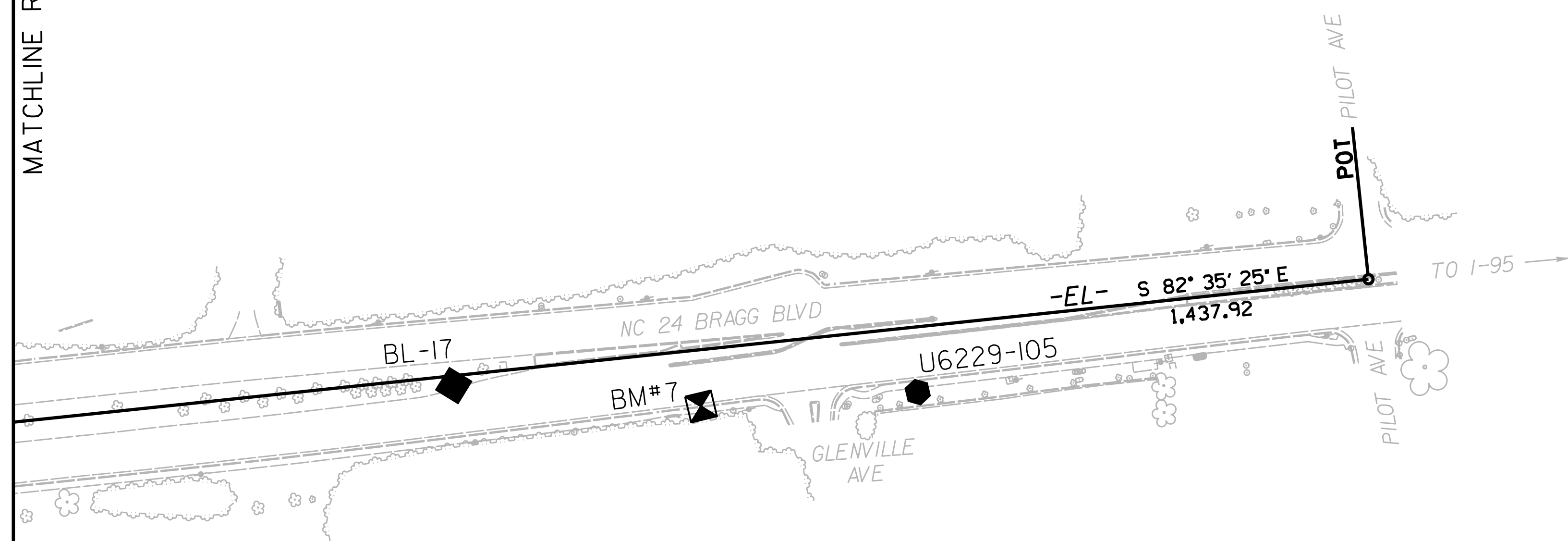
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-8
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	



MATCHLINE RW02C-7




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6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-9
Location and Surveys	
	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

REVISIONS

 BM1 ELEVATION = 241.65
 N 486578 E 2014475
 BL STATION 17+41.00 40 RIGHT
 PK NAIL IN CONC CURB

 BM2 ELEVATION = 232.50
 N 485106 E 2016111
 BL STATION 39+41.00 7 LEFT
 PK NAIL IN CONC CURB

 BM3 ELEVATION = 229.93
 N 483623 E 2017773
 BL STATION 61+68.00 4 RIGHT
 PK NAIL IN CONC CURB

 BM4 ELEVATION = 225.20
 N 482681 E 2019752
 BL STATION 83+80.00 0 RIGHT
 PK NAIL IN CONC CURB

 BM5 ELEVATION = 202.43
 N 481749 E 2021778
 BL STATION 106+17.00 3 LEFT
 PK NAIL IN CONC CURB

 BM6 ELEVATION = 204.09
 N 480770 E 2023826
 BL STATION 128+88.00 4 LEFT
 PK NAIL IN CONC CURB

 BM7 ELEVATION = 147.42
 N 480077 E 2026373
 BL STATION 155+58.00 14 RIGHT
 PK NAIL IN CONC CURB

BL	POINT	DESC.	NORTH	EAST	ELEVATION
101		U6229-101	487639.2105	2013825.1611	240.96
102		U6229-102	486752.3046	2014362.1921	241.70
1		BL-1	486052.0610	2015032.4560	239.02
2		BL-2	485465.6770	2015694.9290	233.66
3		BL-3	484897.7570	2016337.1570	231.55
4		BL-4	484512.1410	2016773.1990	231.42
5		BL-5	484150.3950	2017181.8770	230.40
6		BL-6	483564.2580	2017845.8940	230.56
7		BL-7	483205.5990	2018326.7130	228.61
8		BL-8	482966.4310	2018971.7050	224.99
9		BL-9	482694.9860	2019707.2870	225.08
103		U6229-103	482513.7741	2020279.2988	223.98
104		U6229-104	482085.0470	2021176.2210	217.54
10		BL-10	481790.0560	2021686.3950	203.32
11		BL-11	481442.3610	2022415.8380	214.58
12		BL-12	481164.4930	2022994.7310	215.28
13		BL-13	480781.5070	2023786.5470	204.46
14		BL-14	480565.5960	2024345.1750	208.46
15		BL-15	480295.2890	2024892.6270	212.12
16		BL-16	480179.0910	2025483.4890	189.06
17		BL-17	480139.8900	2026180.8580	153.91
105		U6229-105	480047.1459	2026546.8683	147.95
106		U6229-106	480003.8209	2027274.4657	181.74

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 Blunner AT RAL-WS083

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6229	RW02C-10
Location and Surveys	
1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - SURVEYING - CONSTRUCTION OBSERVATION	

REVISIONS

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	486657.719	2014462.591											
LINE			S 46°52'25.1" E	528.53									
PC	486296.409	2014848.339											
CURVE			S 47°45'10.1" E	153.44	01°45'30.0(LT)	01°08'45.3"	153.44	76.73	5000.00				
PT	486193.248	2014961.921											
LINE			S 48°37'55.1" E	468.02									
PC	485883.936	2015313.162											
CURVE			S 48°34'25.1" E	10.18	00°07'00.0(RT)	01°08'45.3"	10.18	5.09	5000.00				
PT	485877.199	2015320.796											
LINE			S 48°30'55.1" E	3478.57									
TS	483572.926	2017926.706											
SPIRAL			S 50°30'54.4" E	299.85						06°00'00.0(LT)	300.00	200.12	100.10
SC	483382.256	2018158.131											
CURVE			S 59°06'55.1" E	229.75	09°12'00.0(LT)	04°00'00.0"	230.00	115.25	1432.39				
CS	483264.321	2018355.306											
SPIRAL			S 67°42'55.8" E	299.85						06°00'00.0(LT)	300.00	200.12	100.10
ST	483150.615	2018632.764											
LINE			S 69°42'55.1" E	1308.84									
TS	482696.860	2019860.432											
SPIRAL			S 69°12'55.1" E	199.99						01°30'00.0(RT)	200.00	133.34	66.67
SC	482625.891	2020047.410											
CURVE			S 67°04'10.1" E	152.77	02°17'30.0(RT)	01°30'00.0"	152.78	76.40	3819.72				
CS	482566.370	2020188.106											
SPIRAL			S 64°55'25.1" E	199.99						01°30'00.0(RT)	200.00	133.34	66.67
ST	482481.608	2020369.249											
LINE			S 64°25'25.1" E	4410.13									
TS	480577.696	2024347.229											
SPIRAL			S 65°25'25.0" E	299.96						03°00'00.0(LT)	300.00	200.03	100.03
SC	480452.939	2024620.018											
CURVE			S 73°30'25.1" E	607.19	12°10'00.0(LT)	02°00'00.0"	608.33	305.31	2864.79				
CS	480280.559	2025202.226											
SPIRAL			S 81°35'25.2" E	299.96						03°00'00.0(LT)	300.00	200.03	100.03
ST	480236.689	2025498.964											
LINE			S 82°35'25.1" E	1437.92									
POT	480051.250	2026924.880											

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