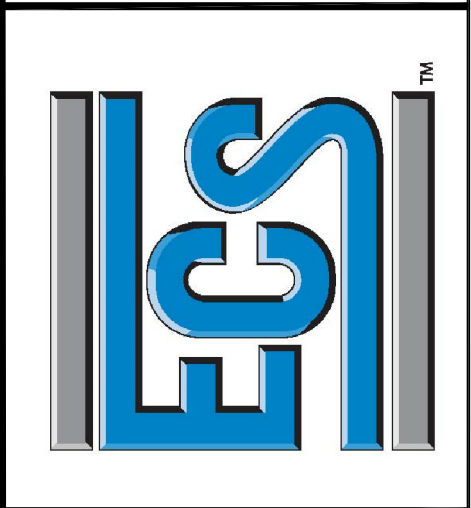
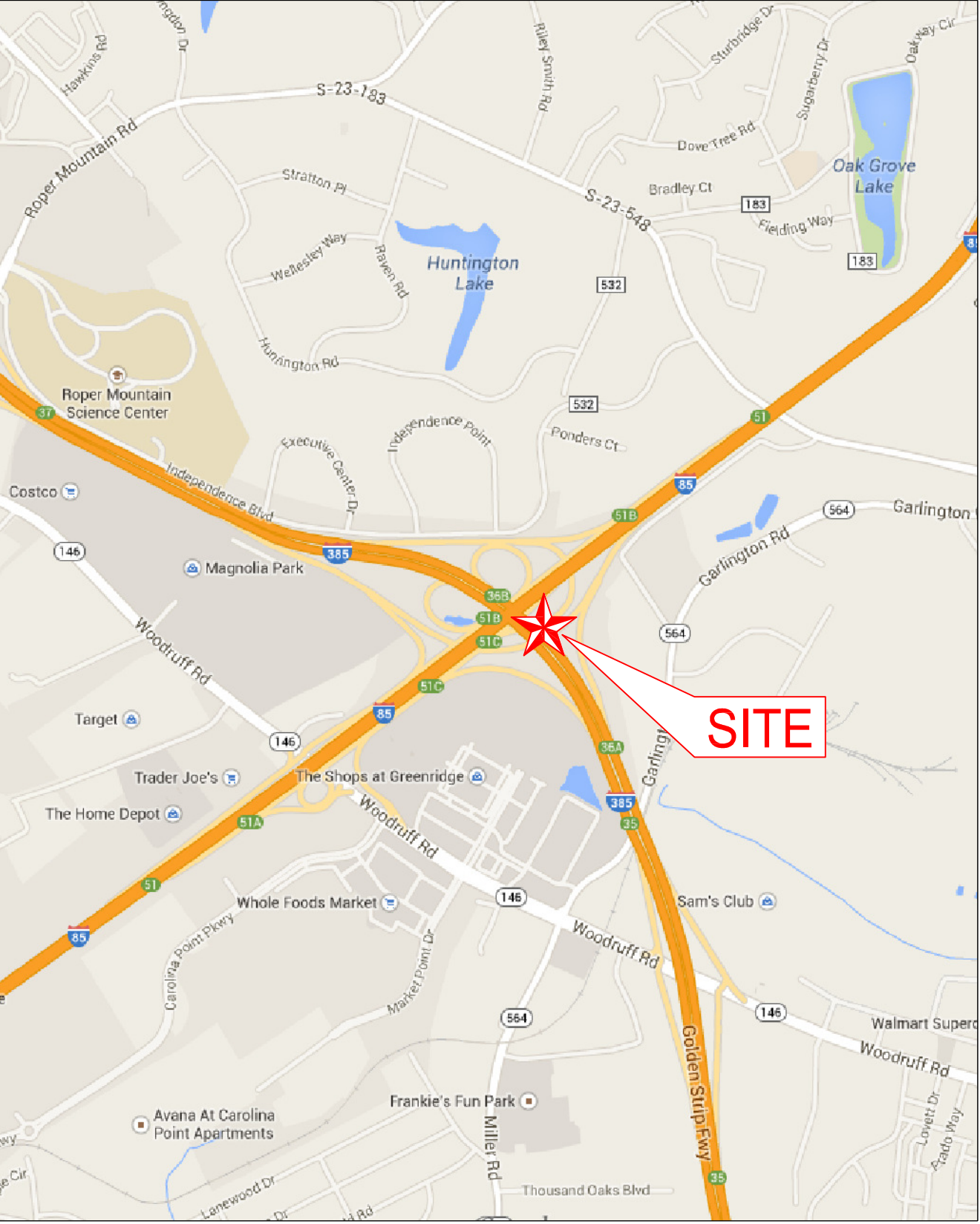


Appendix A

Site Vicinity Map and Boring Location Diagram





SITE VICINITY MAP
NOT TO SCALE

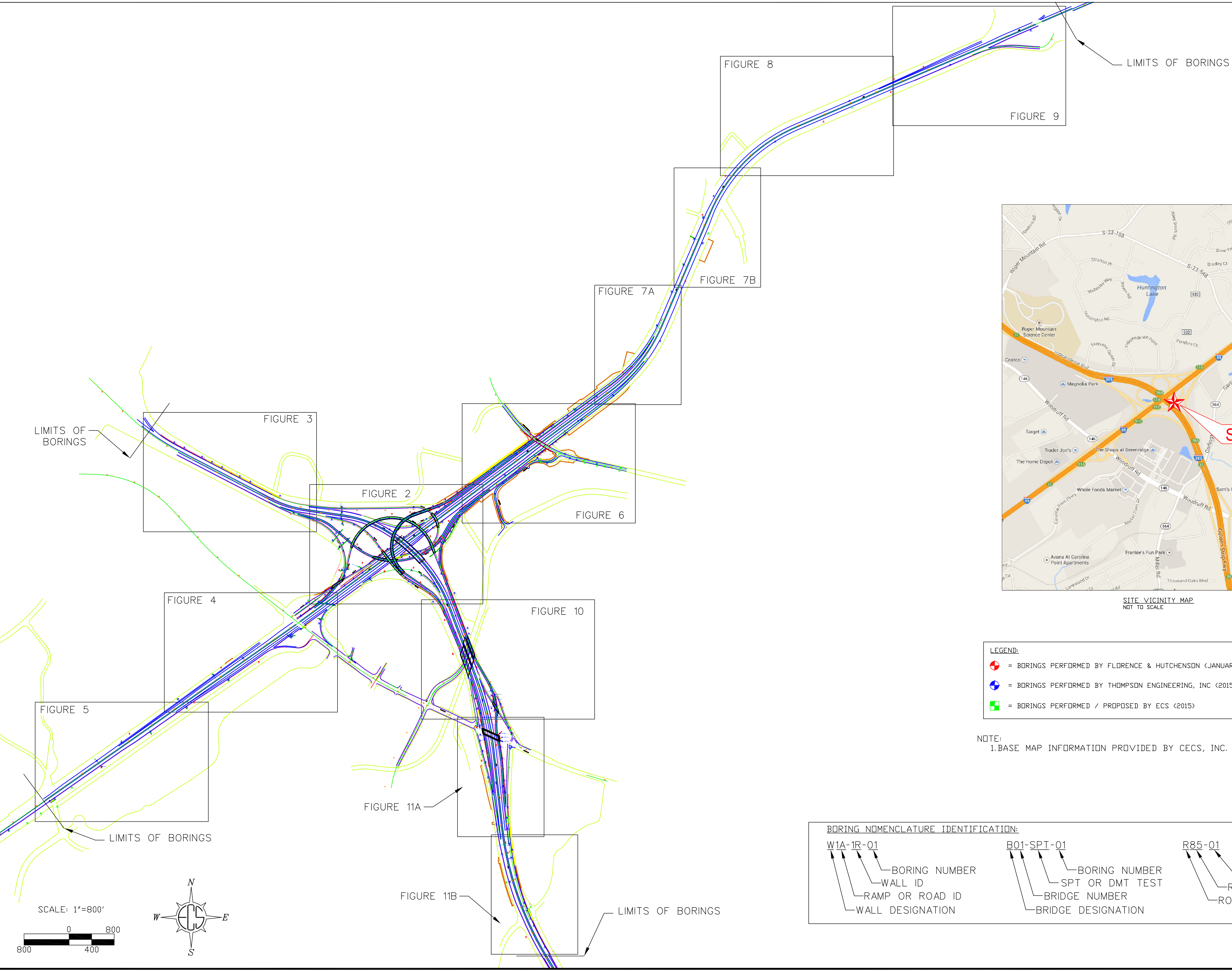
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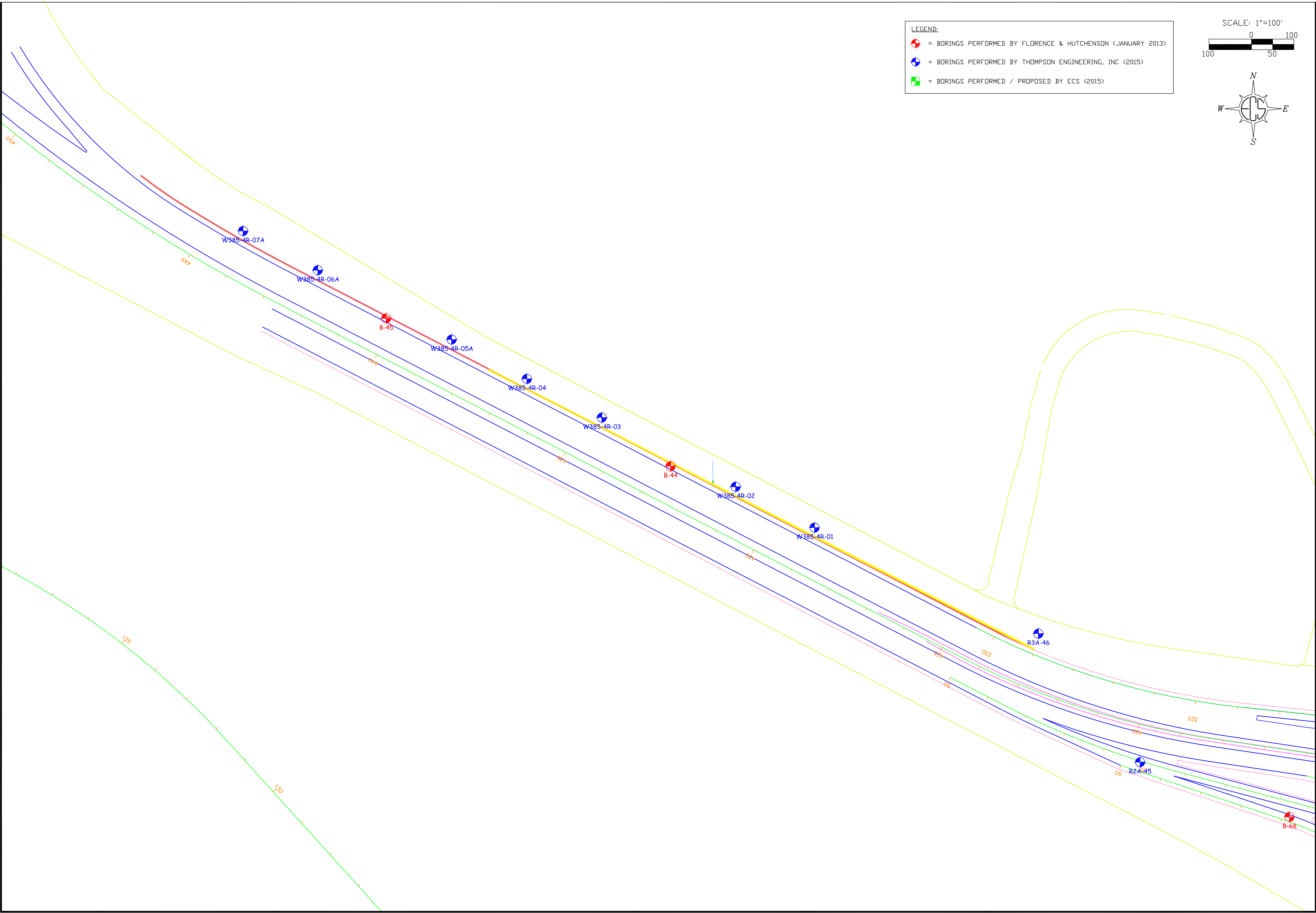
- = BORINGS PERFORMED BY FLORENCE & HUTCHENSON (JANUARY 2013)
- = BORINGS PERFORMED BY THOMPSON ENGINEERING, INC (2015)
- = BORINGS PERFORMED / PROPOSED BY ECS (2015)

NOTE:
1. BASE MAP INFORMATION PROVIDED BY CECS, INC. ON OCTOBER 30, 2014.

BORING NOMENCLATURE IDENTIFICATION:

W1A-1R-01	B01-SPT-01	R85-01
↙	↙	↙
↘	↘	↘
↖	↖	↖
↗	↗	↗
BORING NUMBER	BORING NUMBER	BORING NUMBER
WALL ID	SPT OR DMT TEST	ROADWAY OR RAMP
RAMP OR ROAD ID	BRIDGE NUMBER	ROADWAY DESIGNATION
WALL DESIGNATION	BRIDGE DESIGNATION	





LEGEND:

- = BORINGS PERFORMED BY FLORENCE & HUTCHENSON (JANUARY 2013)
- = BORINGS PERFORMED BY THOMPSON ENGINEERING, INC (2015)
- = BORINGS PERFORMED / PROPOSED BY ECS (2015)

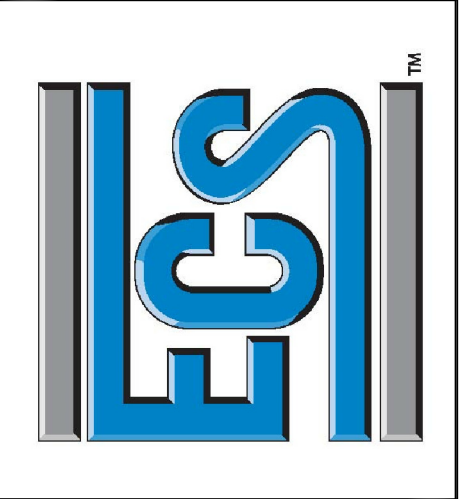
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100 0 50 100

N
S
E
W

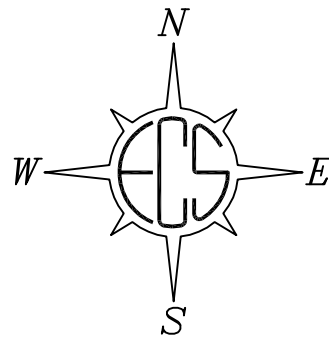
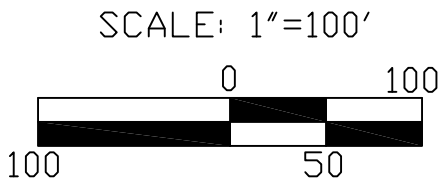
**I-85 & I-385
INTERCHANGE DESIGN**

ECS CAROLINAS, LLP
1812 CENTER PARK DRIVE
SUITE D
CHARLOTTE NC 28217
(704) 525-5152 [PHONE]
(704) 357-0023 [FAX]
NC REGISTERED
ENGINEERING
FIRM # E-1078



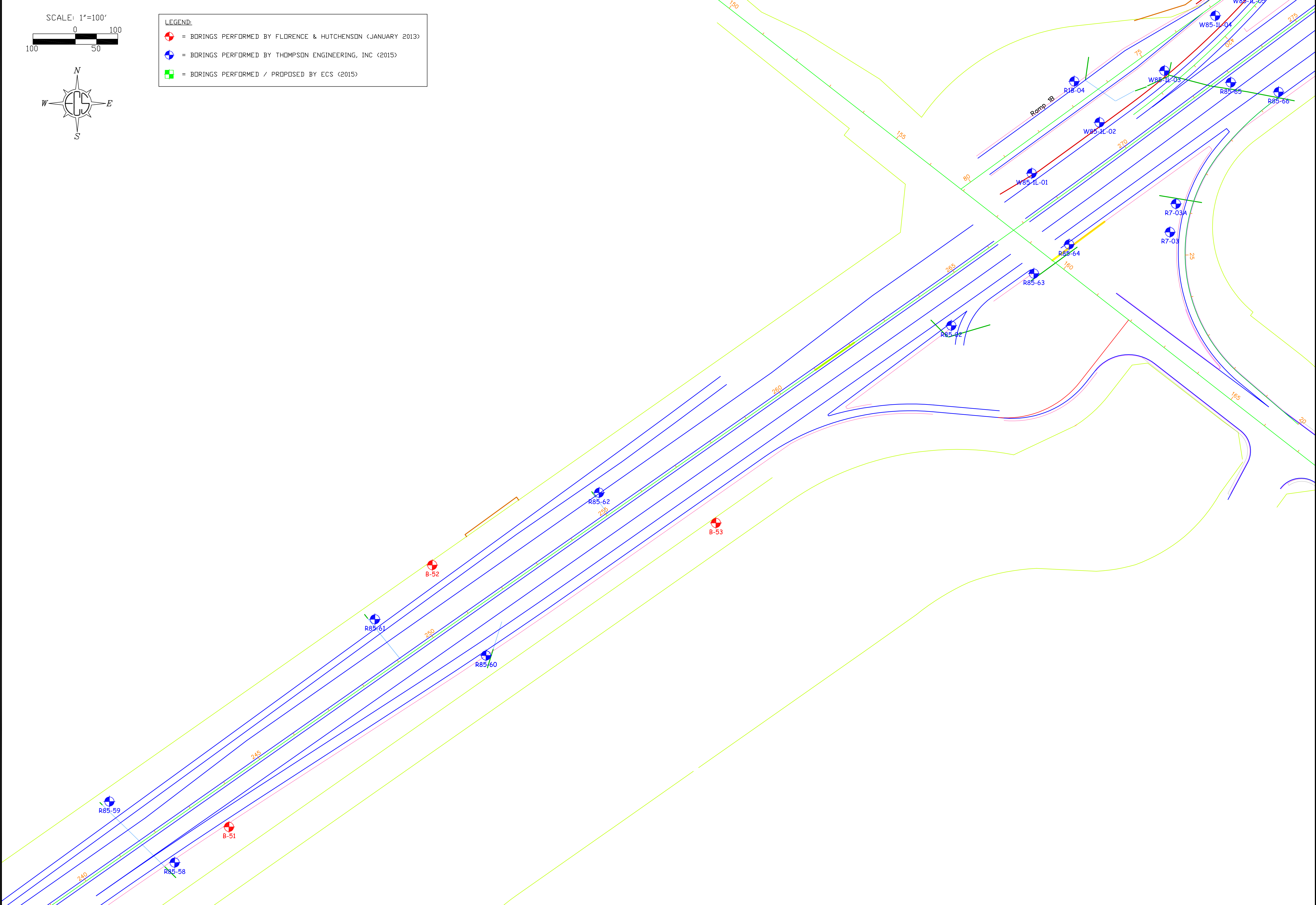
**BORING LOCATION
DIAGRAM
I-385 N. OF INTERCHANGE**

ECS REVISIONS	
SCALE	1"=100'
ENGINEER MFP	DRAFTING DFA
DATE	09-21-2015
PROJECT NO.	08-9283
FIGURE 3	






LEGEND:

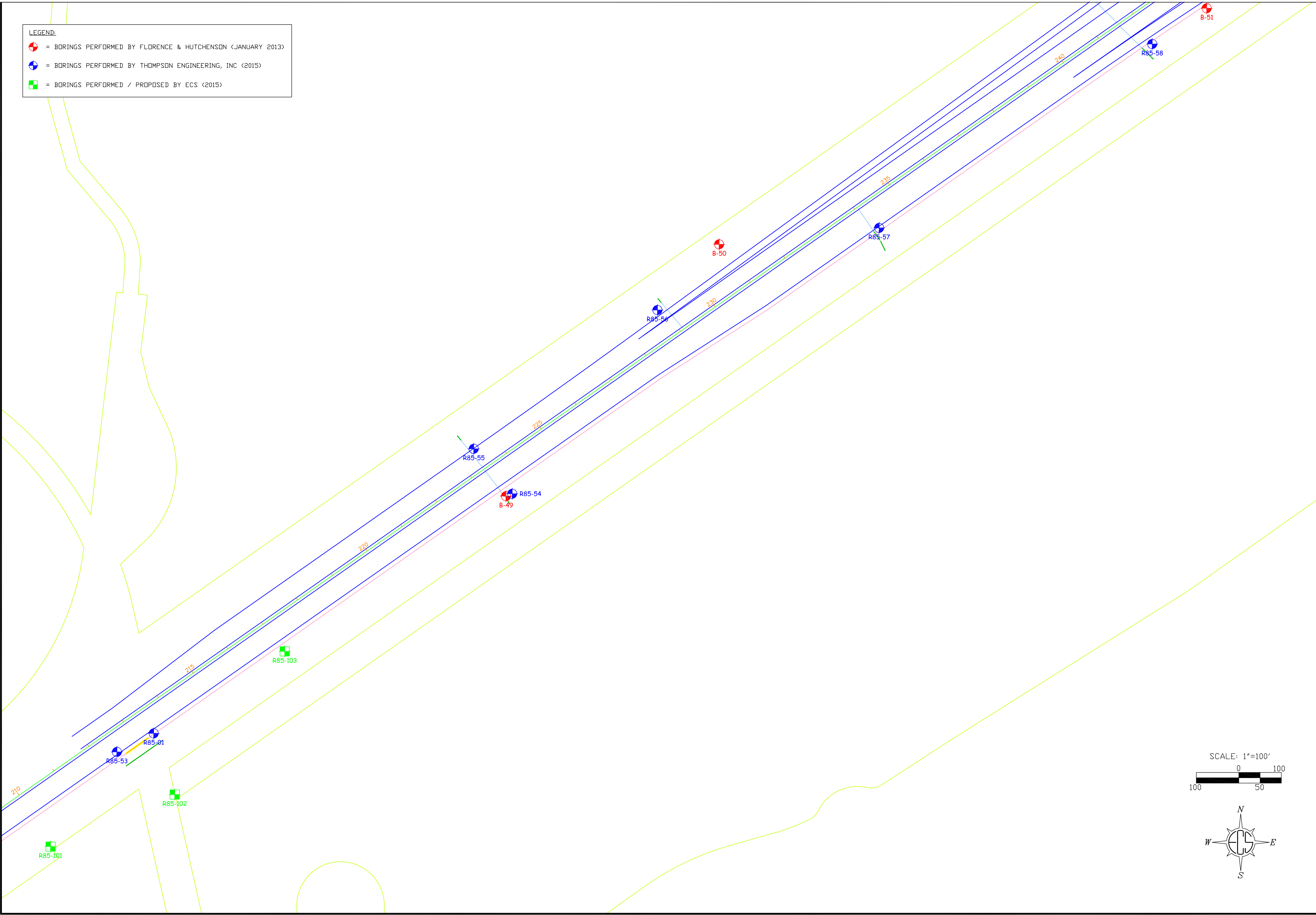
- = BORINGS PERFORMED BY FLORENCE & HUTCHENSON (JANUARY 2013)
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- = BORINGS PERFORMED / PROPOSED BY ECS (2015)



I-85 & I-385 INTERCHANGE DESIGN	
ECS CAROLINAS, LLP 1812 CENTER PARK DRIVE SUITE D CHARLOTTE NC 28217 (704) 525-5152 [PHONE] (704) 357-0023 [FAX] NC REGISTERED ENGINEERING FIRM # E-1078	
BORING LOCATION DIAGRAM I-85 S. OF INTERCHANGE (PART 1 OF 2)	
ECS REVISIONS	
SCALE	1"=100'
ENGINEER MFP	DRAFTING DFA
DATE	09-21-2015
PROJECT NO.	08-9283
FIGURE 4	

LEGEND:

-  = BORINGS PERFORMED BY FLORENCE & HUTCHENSON (JANUARY 2013)
-  = BORINGS PERFORMED BY THOMPSON ENGINEERING, INC (2015)
-  = BORINGS PERFORMED / PROPOSED BY ECS (2015)




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BORING LOCATION DIAGRAM I-85 S. OF INTERCHANGE (PART 2 OF 2)	
ECS REVISIONS	
SCALE 1"=100'	
ENGINEER MFP	DRAFTING DFA
DATE 09-21-2015	
PROJECT NO. 08-9283	
FIGURE 5	

FIGURE 7A

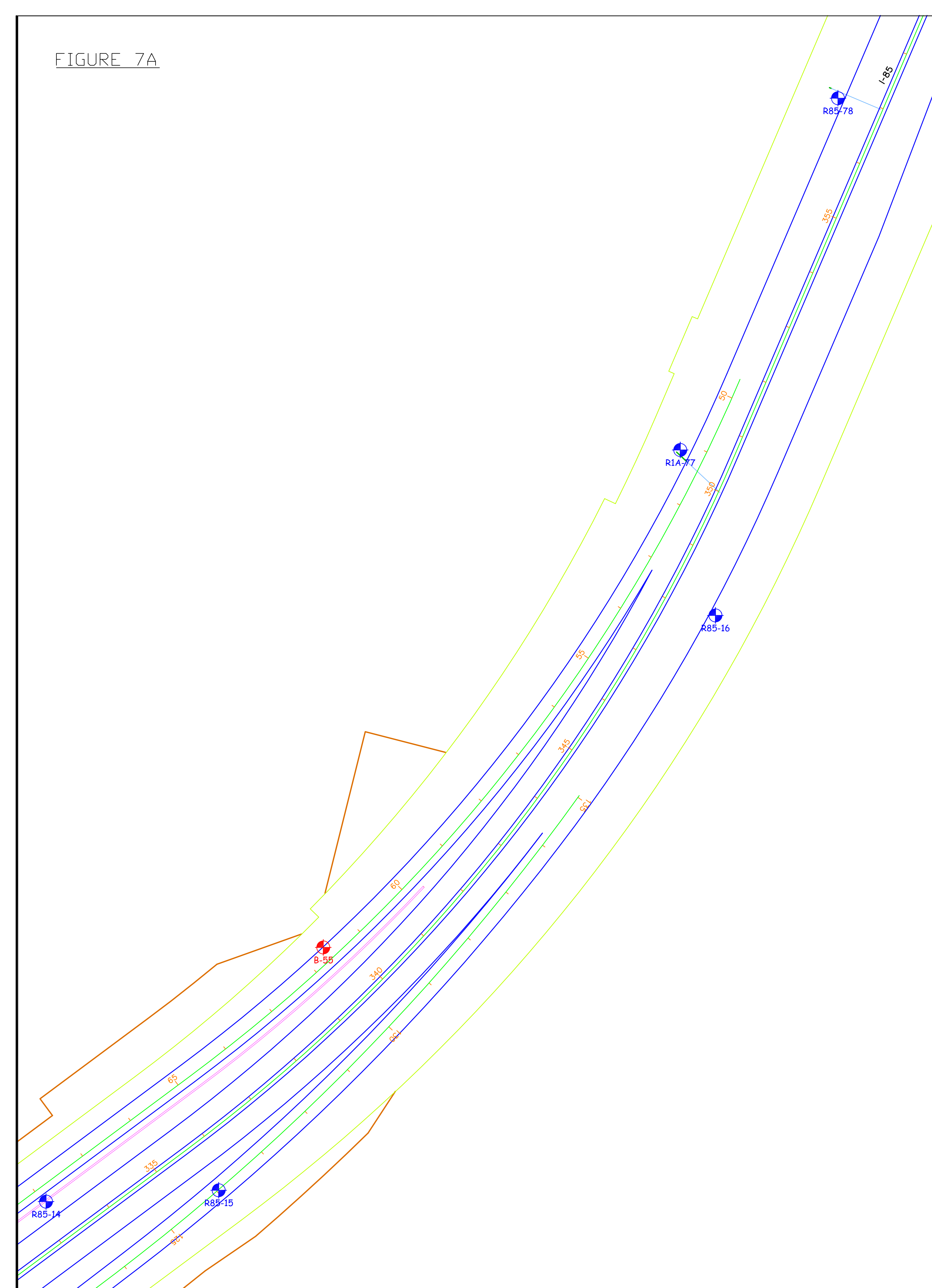
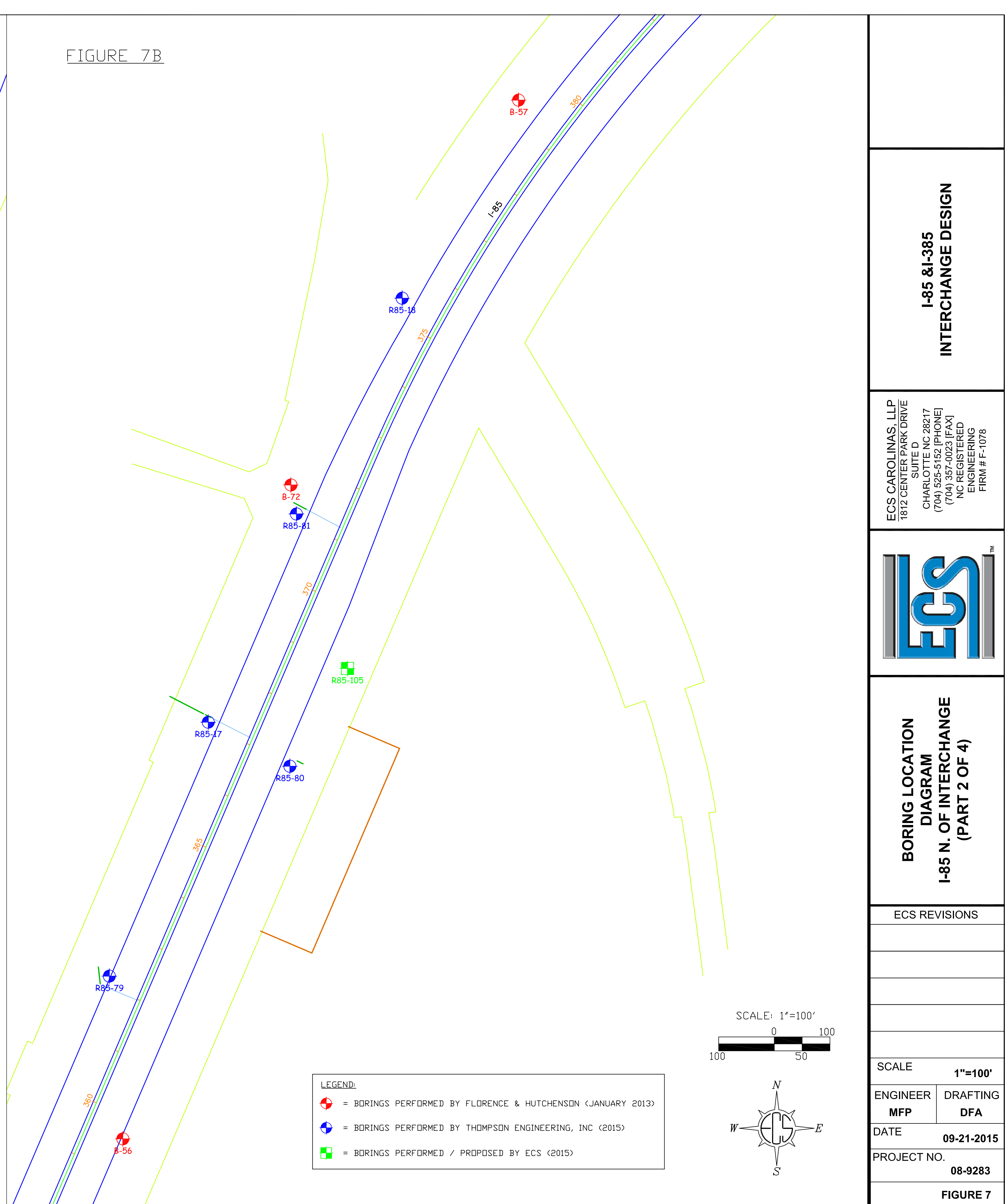
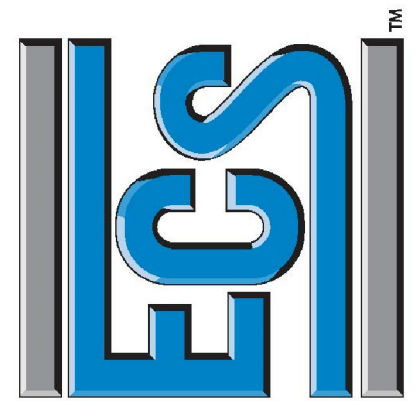


FIGURE 7B



I-85 & I-385 INTERCHANGE DESIGN

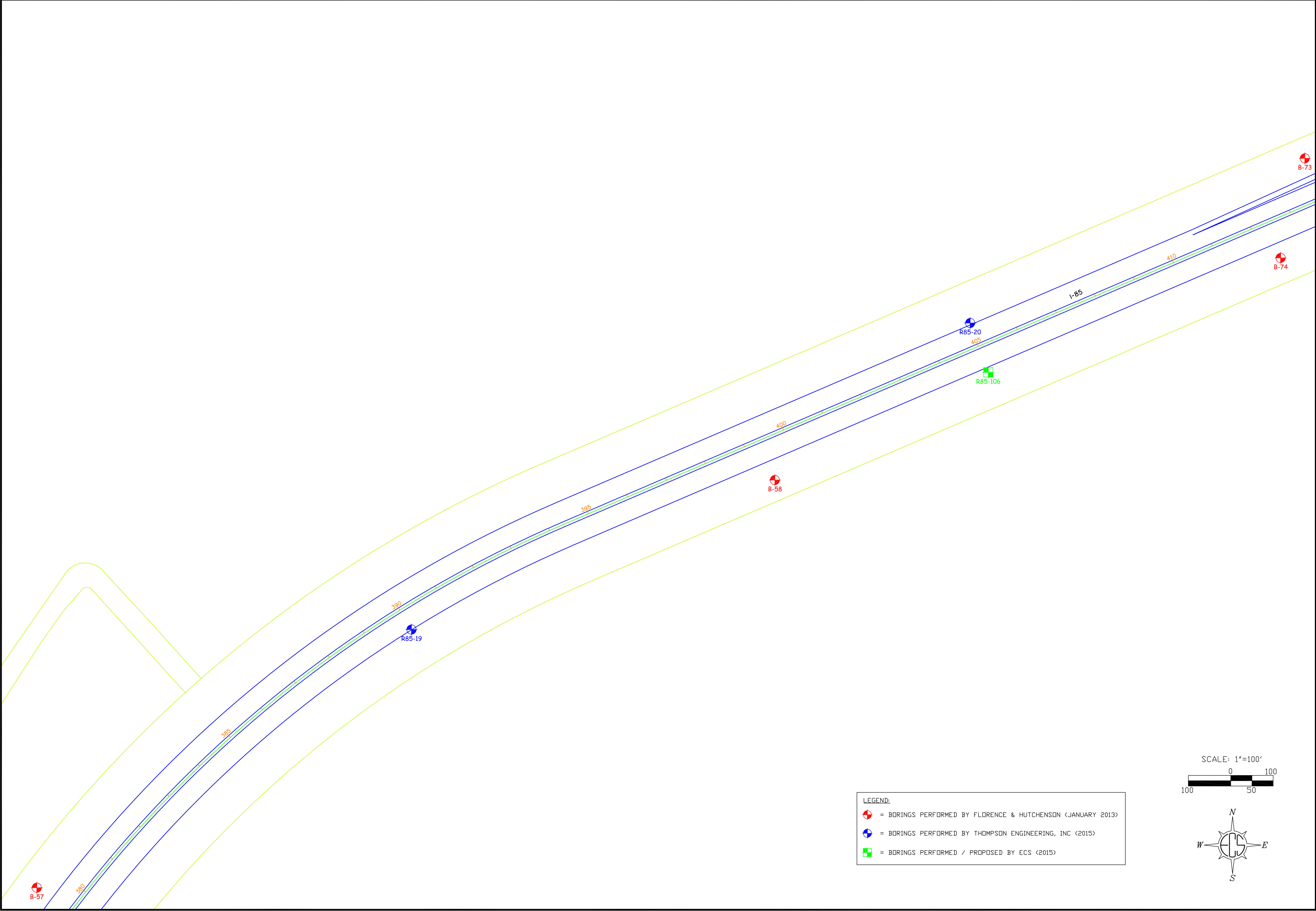
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(704) 357-0023 [FAX]
NC REGISTERED
ENGINEERING
FIRM # F-1078



**BORING LOCATION
DIAGRAM
I-85 N. OF INTERCHANGE
(PART 2 OF 4)**

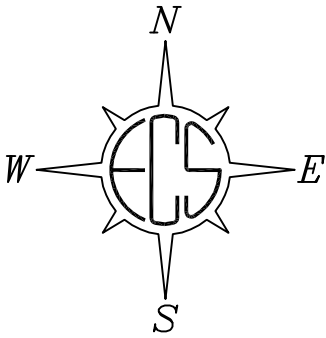
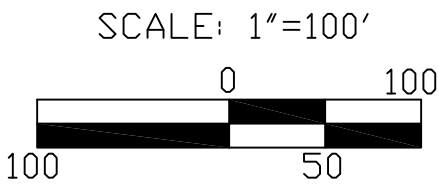
ECS REVISIONS

SCALE 1"=100'	
ENGINEER MFP	DRAFTING DFA
DATE 09-21-2015	
PROJECT NO. 08-9283	
FIGURE 7	

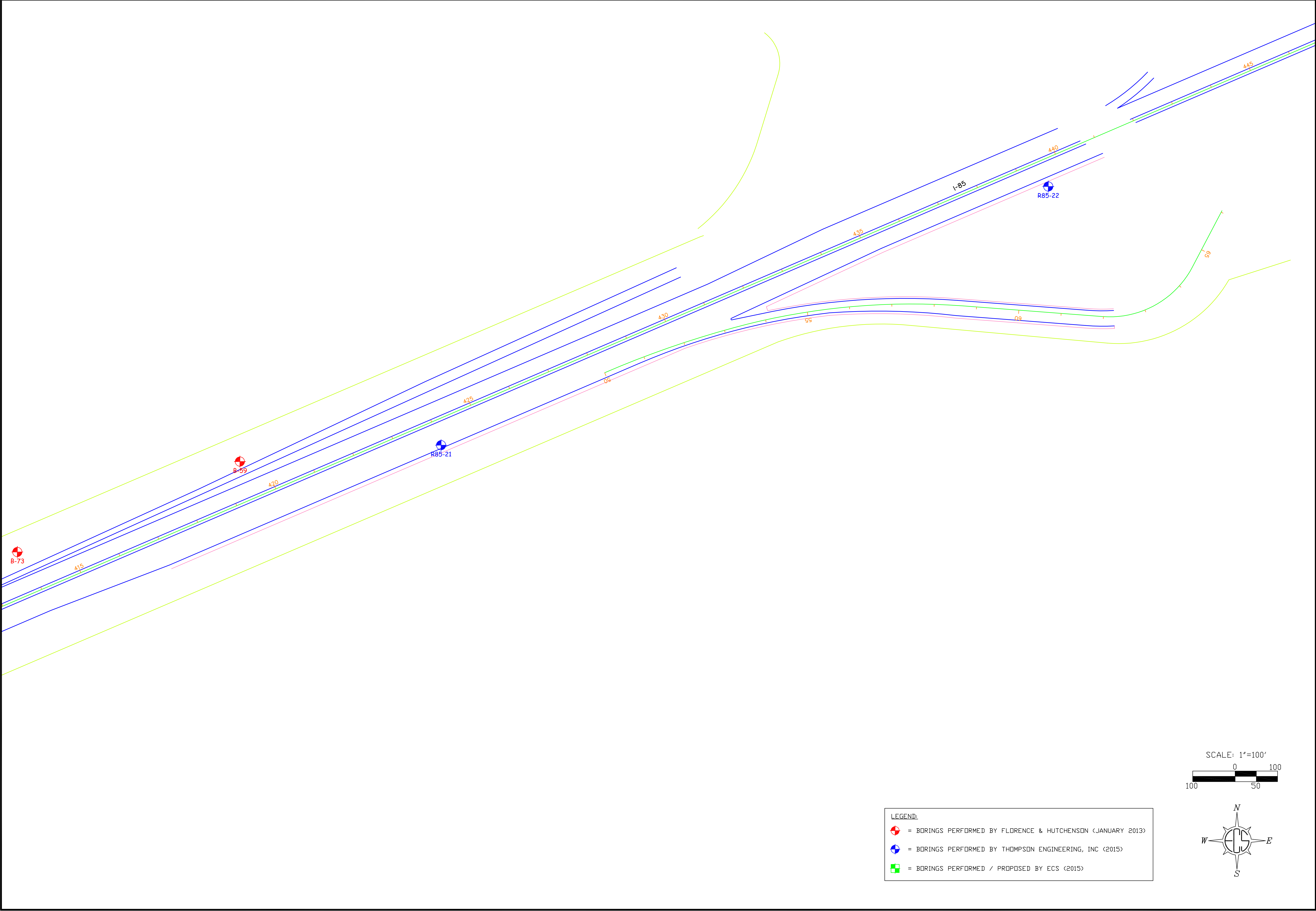





LEGEND:

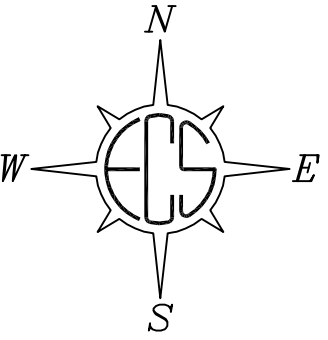
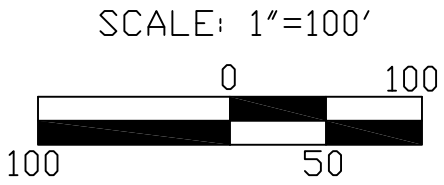
- = BORINGS PERFORMED BY FLORENCE & HUTCHENSON (JANUARY 2013)
- = BORINGS PERFORMED BY THOMPSON ENGINEERING, INC (2015)
- = BORINGS PERFORMED / PROPOSED BY ECS (2015)




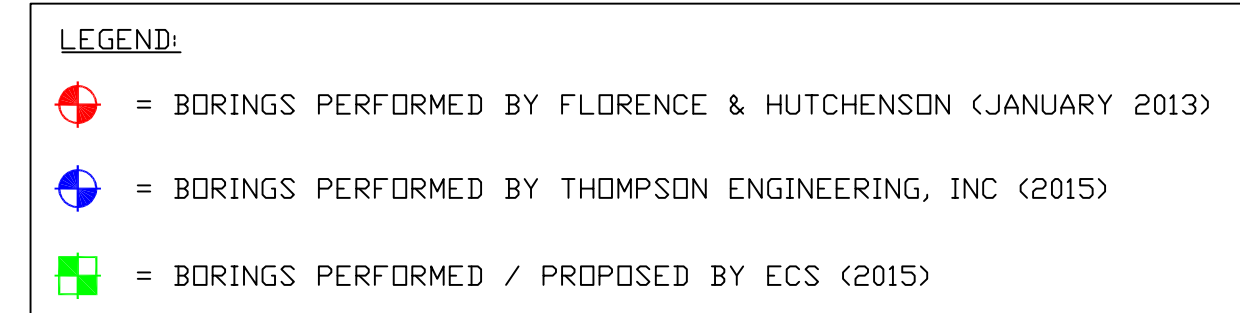
I-85 & I-385 INTERCHANGE DESIGN	
ECS CAROLINAS, LLP 1812 CENTER PARK DRIVE SUITE D CHARLOTTE NC 28217 (704) 525-5152 [PHONE] (704) 357-0023 [FAX] NC REGISTERED ENGINEERING FIRM # E-1078	
BORING LOCATION DIAGRAM I-85 N. OF INTERCHANGE (PART 3 OF 4)	
ECS REVISIONS	
SCALE 1"=100'	
ENGINEER MFP	DRAFTING DFA
DATE 09-21-2015	
PROJECT NO. 08-9283	
FIGURE 8	



- LEGEND:
-  = BORINGS PERFORMED BY FLORENCE & HUTCHENSON (JANUARY 2013)
 -  = BORINGS PERFORMED BY THOMPSON ENGINEERING, INC (2015)
 -  = BORINGS PERFORMED / PROPOSED BY ECS (2015)

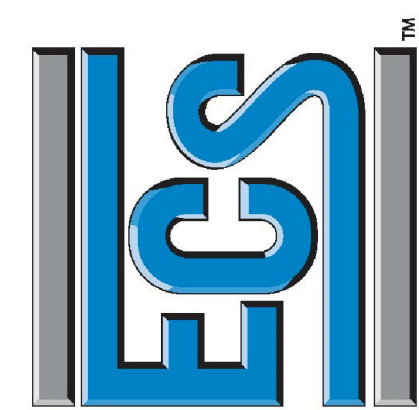


I-85 & I-385 INTERCHANGE DESIGN	
ECS CAROLINAS, LLP 1812 CENTER PARK DRIVE SUITE D CHARLOTTE, NC 28217 (704) 525-5152 [PHONE] (704) 357-0023 [FAX] NC REGISTERED ENGINEERING FIRM # E-1078	
	
BORING LOCATION DIAGRAM I-85 N. OF INTERCHANGE (PART 4 OF 4)	
ECS REVISIONS	
SCALE 1"=100'	
ENGINEER MFP	DRAFTING DFA
DATE 09-21-2015	
PROJECT NO. 08-9283	
FIGURE 9	



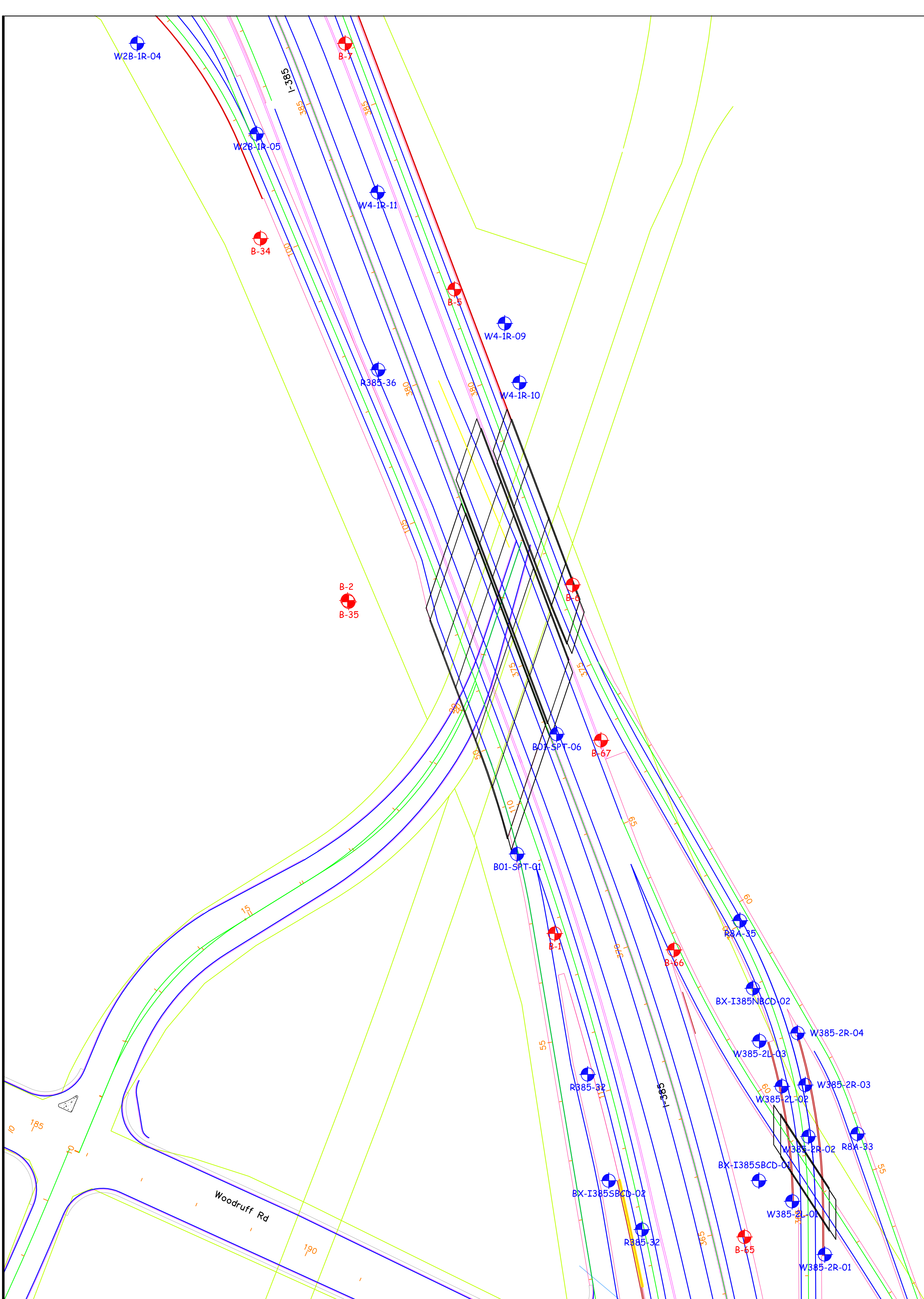
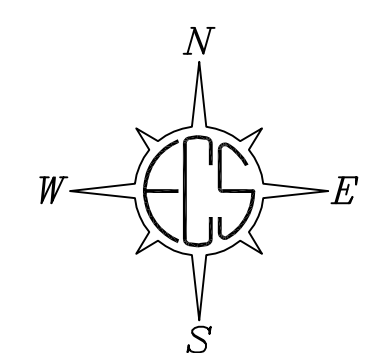
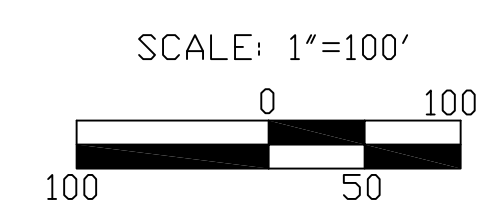
I-85 & I-385 INTERCHANGE DESIGN

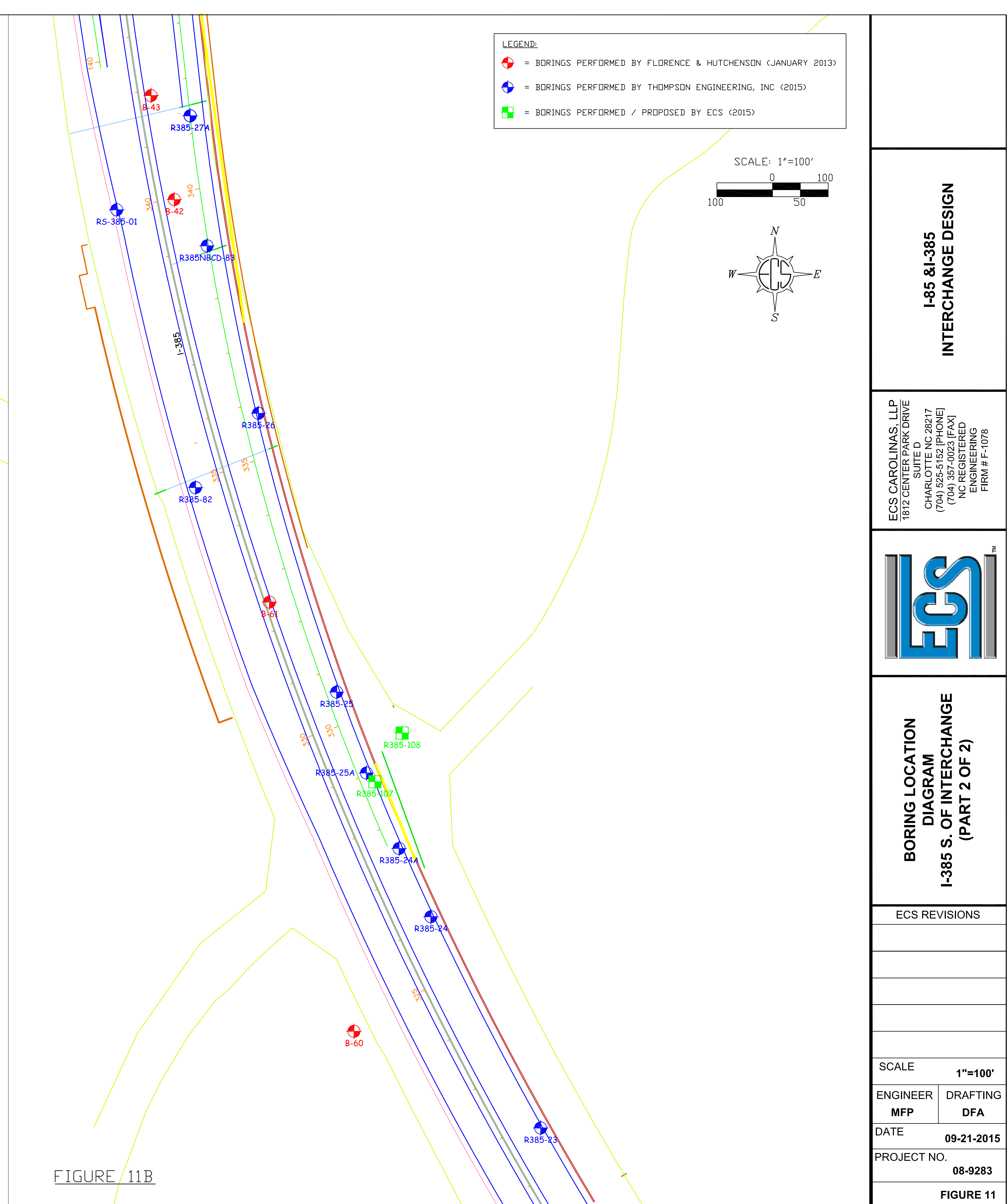
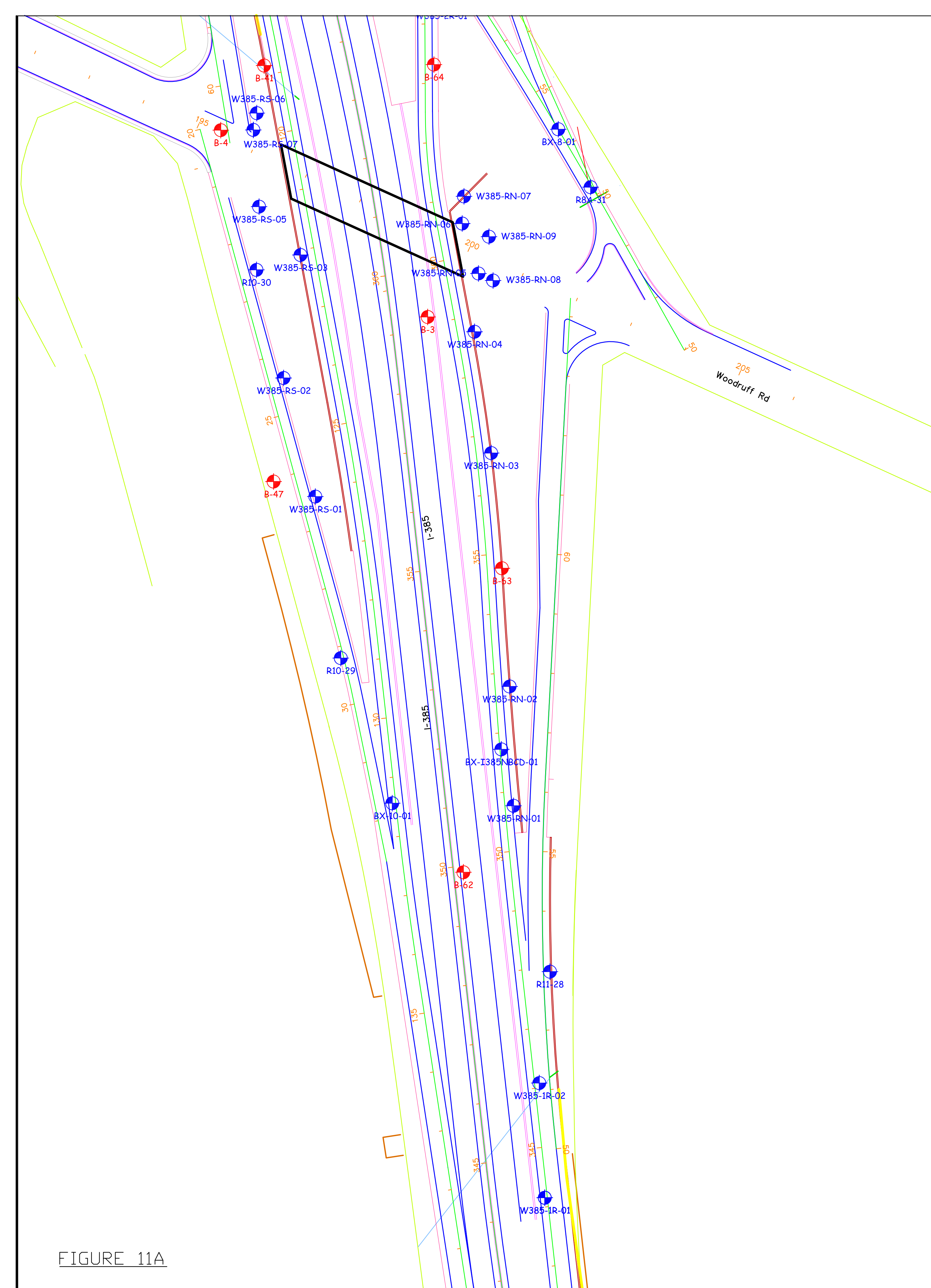
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(704) 357-0023 [FAX]
NC REGISTERED
ENGINEERING
FIRM # F-1078



**BORING LOCATION
DIAGRAM
I-385 S. OF INTERCHANGE
(PART 1 OF 2)**

ECS REVISIONS	
SCALE	
1"=100'	
ENGINEER MFP	DRAFTING DFA
DATE	
09-21-2015	
PROJECT NO.	
08-9283	
FIGURE 10	





Appendix B

Interchange Boring Summary

Table B-1 – F&H SPT Borings								
Boring	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Drill Rig	Drill Rig Efficiency (%)
B-1	I-385 SB C/D	111+74	16' RT	46.0	989.9	N.R.	CME 550	77
B-2	I-385 SB C/D	105+81	152' RT	110.0	975.5	N.R.	CME 550	77
B-3	I-385 NB C/D	359+12	44' LT	100.3	955.5	N.R.	CME 550	77
B-4	Woodruff RD	195+38	13' LT	45.3	973.0	N.R.	CME 550	77
B-5	I-385 NB C/D	381+64	13' RT	35.0	951.5	N.R.	CME 850	74
B-6	I-385 NB C/D	376+35	23' RT	68.3	952.6	N.R.	CME 550	77
B-7	I-385 NB C/D	386+11	12' LT	64.5	969.6	N.R.	CME 550	77
B-8	Ramp 2	65+60	82' RT	49.0	1004.7	N.R.	CME 55	73
B-9	Ramp 4B	411+52	11' LT	66.0	1005.4	N.R.	CME 550	77
B-10	Ramp 2A	67+65	54' LT	102.0	999.8	N.R.	CME 550	77
B-11	Ramp 2B	29+82	15' LT	101.5	1005.7	N.R.	CME 550	77
B-12	I-385	405+07	8' RT	101.5	1013.8	N.R.	CME 55	73
B-13	Ramp 4B	400+30	63' RT	101.8	1007.7	N.R.	CME 45C	93
B-14	Ramp 1A	76+17	71' RT	110.8	1000.7	N.R.	CME 45C	93
B-15	Ramp 4B	413+47	38' LT	35.0	1001.1	N.R.	CME 55	73
B-16	Ramp 2B	31+48	8' LT	114.0	999.4	N.R.	CME 550	77
B-17	Ramp 2A	80+74	8' RT	100.3	989.6	N.R.	CME 55	73
B-18	Ramp 1B	64+32	97' RT	100.3	1014.9	N.R.	CME 550	77
B-19	Ramp 3	34+83	12' LT	100.2	990.2	N.R.	CME 550	77
B-20	Ramp 2B	33+84	18' LT	60.0	994.4	N.R.	CME 55	73
B-21	Ramp 1A	88+20	6' RT	87.0	993.5	N.R.	CME 55	73
B-22	Ramp 1A	81+31	6' LT	101.5	1024.8	N.R.	CME 550	77
B-23	I-385	397+70	12' LT	100.3	991.5	N.R.	CME 55	73
B-24	I-385	394+08	46' RT	100.3	1000.5	N.R.	CME 550	77
B-25	Ramp 1A	91+74	23' LT	100.1	1003.4	N.R.	CME 55	73
B-26	Ramp 3	40+21	53' LT	101.5	1026.0	N.R.	CME 850	74
B-27	Ramp 4B	395+32	25' RT	104.5	988.8	N.R.	CME 45C	93
B-28	Ramp 1A	72+74	12' LT	55.0	993.7	N.R.	CME 550	77
B-29	Ramp 4B	392+62	44' RT	101.5	1015.3	N.R.	CME 550	77
B-30	Ramp 2A	110+45	64' RT	90.0	936.2	N.R.	CME 55	73
B-31	Roper Mt. Rd	40+58	10' RT	85.0	937.4	N.R.	CME 550	77
B-32	Ramp 2B	43+50	28' LT	89.0	1002.3	N.R.	CME 45C	79
B-33	Ramp 2B	45+52	CL	79.1	1004.4	N.R.	CME 45C	86
B-34	I-385 SB C/D	99+65	52' RT	49.7	1004.0	N.R.	CME 45C	82

Table B-1 – F&H SPT Borings (Con't)								
Boring	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Drill Rig	Drill Rig Efficiency (%)
B-35	I-385 SB C/D	105+90	165' RT	50.9	974.9	N.R.	CME 45C	82
B-36	Ramp 1A	67+12	3' RT	26.0	978.7	N.R.	CME 45C	82
B-37	Ramp 1A	63+63	4' LT	43.7	974.4	N.R.	CME 45C	79
B-38	Ramp 1A	56+88	CL	19.5	952.8	N.R.	CME 45C	86
B-39	Ramp 3A	295+87	16' RT	60.9	982.9	N.R.	CME 45C	82
B-40	Ramp 2A	88+06	40' LT	46.1	982.0	N.R.	CME 45C	82
B-41	I-385 SB C/D	118+84	26' RT	34.3	962.1	N.R.	CME 45C	86
B-42	I-385	339+98	30' RT	30.0	930.5	N.R.	CME 45C	86
B-43	I-385	341+90	22' RT	30.0	932.1	N.R.	CME 45C	86
B-44	I-385	432+65	85' RT	46.0	1055.7	N.R.	CME 45C	82
B-45	I-385	440+20	86' RT	55.7	1070.4	N.R.	CME 45C	79
B-46	Ramp 2A	106+78	26' RT	35.7	938.0	N.R.	CME 45C	82
B-47	Ramp 10	26+03	37' RT	35.0	957.4	N.R.	CME 45C	79
B-48	Omitted							
B-49	I-85	223+41	81' RT	21.5	955.6	N.R.	CME 45C	82
B-50	I-85	230+92	115' LT	36.5	953.7	N.R.	CME 45C	79
B-51	I-85	243+49	89' RT	36.0	990.3	N.R.	CME 45C	82
B-52	I-85	250+96	142' LT	5.4	998.1	N.R.	CME 45C	79
B-53	I-85	257+0	161' RT	10.0	998.4	N.R.	CME 45C	82
B-54	Ramp 4	68+16	CL	41.0	974.4	N.R.	CME 45C	82
B-55	Ramp 1	61+63	23' RT	17.5	931.1	N.R.	CME 45C	86
B-56	I-85	359+59	69' RT	36.5	929.7	N.R.	CME 45C	79
B-57	I-85	379+39	98' LT	8.3	890.1	N.R.	CME 45C	86
B-58	I-85	399+35	100' RT	15.0	863.8	N.R.	CME 45C	86
B-59	I-85	419+48	93' LT	39.0	850.6	N.R.	CME 45C	79
B-60	I-385	324+90	147' LT	9.5	913.7	N.R.	CME 45C	86
B-61	I-385	332+52	8' RT	30.0	926.1	N.R.	CME 45C	86
B-62	I-385	349+90	16' RT	10.0	935.7	N.R.	CME 45C	79
B-63	I-385 NB C/D	354+76	25' RT	30.0	958.2	N.R.	CME 45C	79
B-64	I-385 NB C/D	363+32	15' RT	30.8	962.3	N.R.	CME 45C	82
B-65	I-385	364+84	52' RT	35.3	961.8	N.R.	CME 45C	82
B-66	Ramp 8	62+73	8' LT	15.8	967.9	N.R.	CME 45C	79
B-67	I-385	373+81	42' LT	35.7	970.5	N.R.	CME 45C	82
B-69	Omitted							

Table B-1 – F&H SPT Borings (Con't)								
Boring	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Drill Rig	Drill Rig Efficiency (%)
B-70	Ramp 1	72+93	36' RT	35.0	893.9	N.R.	CME 45C	86
B-71	Ramp 2A	118+23	2' LT	31.5	898.0	N.R.	CME 45C	79
B-72	I-85	371+58	116' LT	20.0	899.8	N.R.	CME 45C	86
B-73	I-85	413+82	104' LT	30.0	847.9	N.R.	CME 45C	79
B-74	I-85	412+37	89' RT	33.7	848.9	N.R.	CME 45C	86

N.R.: Groundwater reading not reported by F&H.

Table B-2 – TE SPT Borings									
Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
R1-06	Ramp 1	105+23	29 RT	40.0	991.1	23.0	968.1	CME	79
R1-40	Ramp 1	112+05	17 LT	35.0	1009.0	5.5	1003.5	D50	101
R1A-50	Ramp 1A	54+48	24 LT	18.5	938.6	8.0	930.6	CME	79
R1A-51	Ramp 1A	59+12	CL	35.0	962.9	15.2	947.7	CME	79
R1A-76	Ramp 1A	63+85	20 LT	20.0	974.9	16.0	958.9	CME	79
R1A-77	I-85	350+38	87 LT	10.0	936.2	4.0	932.2	CME	79
R1B-04	Ramp 1B	76+63	48 RT	5.0	1009.4	N.E	N.E.	CME	79
R2-39	Ramp 2	62+34	34 LT	40.0	1002.6	7.0	995.6	CME	79
R2-43	Ramp 2	59+29	107	20.0	1005.5	6.7	998.8	D50	101
R2-67	Ramp 2	61+41	5 LT	45.0	1003.8	8.3	995.5	CME	88
R2-68	Ramp 2	61+16	96 LT	40.0	1007.0	9.5	997.5	CME	88
R2-70	Ramp 2	59+74	24 RT	40.0	1004.3	6.8	997.5	CME	88
R2-84	Ramp 2	65+66	22 RT	20.0	1004.3	11.0	993.3	CME	79
R2A-45	Ramp 2A	55+03	41 LT	20.0	1020.8	6.0	1014.8	CME	79
R2A-69	Ramp 2A	65+73	20 LT	40.0	1004.4	10.6	993.8	CME	79
R2A-71	Ramp 2A	63+85	23 LT	40.0	1004.6	9.6	995.0	CME	79
R2B-42	Ramp 2B	27+04	8 LT	40.0	1003.4	7.7	995.7	D50	101
R2B-44	Ramp 2B	23+00	2 RT	20.0	1007.8	9.4	998.4	D50	101
R2B-72	Ramp 2B	24+96	29 RT	30.0	1000.1	5.0	995.1	CME	79
R3-05	Ramp 3	31+96	1 LT	20.0	995.4	16.0	979.4	CME	88
R3-38	Ramp 3	41+65	CL	35.0	1008.7	19.1	989.6	CME	79
R3-75	Ramp 3A	316+79	23 RT	20.0	1011.9	12.0	999.9	CME	79
R3A-41	Ramp 3A	304+08	CL	20.0	1001.7	N.E.	N.E.	CME	79
R3A-46	I-385	423+03	128	40.0	1030.9	N.E.	N.E.	CME	79
R4B-85	Ramp 4B	413+73	31 LT	18.5	1002.8	9.7	993.1	CME	79
R7-03A	Ramp 7	25+13	37 LT	20.0	1003.8	18.0	985.8	CME	88
R8A-31	Ramp 8	53+16	2 LT	38.8	966.7	N.E.	N.E.	CME	88
R8A-33	Ramp 8A	15+83	4 LT	35.1	962.4	19.5	942.9	CME	79
R8A-35	I385 NB	370+07	10 RT	13.6	964.9	N.E.	N.E.	CME	79
R9-34	Ramp 9	56+46	43 LT	20.0	978.4	7.5	970.9	CME	79
R10-29	Ramp 10	29+19	6 RT	35.0	945.0	N.E.	N.E.	CME	79
R10-30	Ramp 10	22+53	29 LT	35.0	968.8	N.E.	N.E.	CME	88
R11-28	Ramp 11	52+98	11 RT	20.0	933.3	4.0	929.3	CME	79
R85-01	I-85	213+43	63 RT	10.0	956.7	N.E.	N.E.	CME	88
R85-02	I-85 NB	264+23	11 RT	10.6	1009.6	N.E.	N.E.	CME	88
R85-09	I-85	311+81	76 RT	35.0	957.0	10.0	947.0	CME	88
R85-13	Ramp 2A	117+03	18 LT	35.0	899.9	4.2	895.7	CME	79
R85-14A	Ramp 1	72+28	16 RT	20.0	893.7	4.5	889.2	CME	79
R85-15	I-85	335+65	87 RT	10.0	927.5	N.E.	N.E.	CME	79

Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
R85-16	I-85	348+14	88 RT	10.0	945.3	6.0	939.3	CME	79
R85-17	I-85	367+08	85 LT	10.0	904.3	5.0	899.3	CME	79
R85-18	I-85	375+38	79 LT	15.0	893.0	9.0	884.0	CME	79
R85-19	I-85	389+99	53 RT	11.5	874.5	N.E.	N.E.	CME	88
R85-20	I-85	405+04	58 LT	10.0	865.0	10.0	855.0	CME	88
R85-21	I-85	423+99	59 RT	11.0	856.6	9.0	847.6	CME	79
R85-22	I-85	439+55	63 RT	10.0	886.8	6.0	880.8	CME	79
R85-52	I-85	203+56	55 RT	8.5	940.1	7.0	933.1	CME	88
R85-53	I-85	212+47	49 RT	10.7	958.0	N.E.	N.E.	CME	88
R85-54	I-85	223+57	85 RT	10.0	952.2	2.0	950.2	CME	79
R85-55	I-85	223+43	53 LT	20.0	962.6	N.E.	N.E.	CME	88
R85-56	I-85	228+84	72 LT	10.3	958.3	7.0	951.3	CME	79
R85-57	I-85	234+22	69 RT	10.0	966.9	3.5	963.4	CME	79
R85-58	I-85 NB	241+97	28 RT	15.0	982.7	7.4	975.3	CME	79
R85-59	I-85	241+53	122	10.0	976.3	N.E.	N.E.	CME	79
R85-60	I-85 NB	250+78	22 RT	10.0	999.9	4.0	995.9	CME	79
R85-61	I-85	249+12	115	10.0	994.8	6.2	988.6	CME	79
R85-62	I-85	255+16	56 LT	10.0	1009.5	N.E.	N.E.	CME	88
R85-63	I-85 NB	266+52	24 RT	10.0	1006.8	N.E.	N.E.	CME	88
R85-64	I-85 NB	267+60	17 RT	10.2	1006.3	N.E.	N.E.	CME	88
R85-65	I-85	272+90	22 RT	12.0	1003.3	12.0	991.3	CME	88
R85-66	I-85	273+70	14 RT	11.3	1001.6	10.5	991.1	CME	88
R85-78	I-85	356+86	77 LT	10.0	923.3	2.2	921.1	CME	79
R85-79	I-85	362+18	68 LT	10.0	916.9	5.8	911.1	CME	79
R85-80	I-85	366+93	81 RT	10.0	908.9	N.E.	N.E.	CME	79
R85-81	I-85	371+14	86 LT	10.0	901.8	N.E.	N.E.	CME	79
R385-23	I-385	321+81	68 RT	19.9	908.1	6.0	902.1	CME	79
R385-24A	I-385	327+51	65 RT	10.0	919.0	N.E.	N.E.	CME	79
R385-25A	I-385 NB	329+04	16 RT	18.5	921.8	9.4	912.4	CME	79
R385-26	I-385	335+82	28 RT	20.0	925.8	5.2	920.6	CME	79
R385-27A	I-385 NB	341+32	CL	20.0	931.0	4.5	926.5	CME	79
R385-32	I-385	117+38	CL	4.0	964.2	N.E.	N.E.	CME	79
R385-36	I-385	380+45	52 LT	11.0	1010.6	N.E.	N.E.	CME	79
R385-37	I-385	390+12	53 LT	35.0	1018.4	N.E.	N.E.	CME	79
R385-73	I-385	411+39	52 LT	20.0	1011.2	N.E.	N.E.	CME	88
R385-74	I-385	411+34	52 RT	20.0	1013.5	19.0	994.5	CME	88
R385-82	I-385	334+87	57 LT	45.0	931.9	38.5	893.4	CME	88
R385NBCD-83	I-385 NB C/D	338+97	3 LT	15.0	930.8	13.5	917.3	CME 550X	88

Table B-2 – TE SPT Borings (Con't)

Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
W1.1-R2-01	Ramp 1	102+98	30 RT	40.1	987.2	23.0	964.2	CME 550X	79
W1A-1R-01	Ramp 1A	48+15	12 RT	25.0	908.6	25.0	883.6	CME	79
W1A-1R-02	Ramp 1A	48+44	14 RT	38.5	922.9	27.0	895.9	CME	79
W1A-1R-03	Ramp 1A	49+21	11 RT	38.6	927.7	16.8	910.9	CME	79
W1A-1R-04	Ramp 1A	51+48	31 RT	25.0	929.3	14.2	915.1	CME	79
W1A-1R-05	Ramp 1A	52+28	18 RT	20.0	929.5	7.5	922.0	CME	79
W1A-1R-06	Ramp 1A	65+17	24 RT	28.5	977.4	18.0	959.4	CME	79
W1A-1R-07	Ramp 1A	69+51	47 RT	33.5	985.6	23.4	962.2	CME	79
W1A-1R-08	Ramp 1A	71+25	21 RT	13.6	988.7	N.E.	N.E.	D50	101
W1A-1R-09	Ramp 1A	72+02	36 RT	26.6	991.9	N.E.	N.E.	D50	101
W1A-1R-10	Ramp 1A	70+08	41 LT	43.6	986.1	22.2	963.9	CME	88
W1A-1R-11	Ramp 1A	71+12	26 LT	28.0	989.9	N.E.	N.E.	D50	101
W1A-1R-17	Ramp 1A	66+97	39 RT	22.5	980.2	18.5	961.7	CME	88
W1B-2R-01	Ramp 1B	63+35	15 RT	20.0	995.5	18.5	977.0	CME	88
W1B-2R-02	Ramp 1B	61+06	28 RT	28.5	995.1	9.5	985.6	CME	79
W1B-2R-03	Ramp 1B	59+30	33 RT	55.1	993.0	11.1	981.9	CME	79
W1B-3R-01	Ramp 1B	72+53	29 RT	33.6	1013.0	19.2	993.8	D120	85
W1B-3R-02	Ramp 1B	71+57	4 RT	25.0	1010.7	17.8	992.9	D120	85
W2A-1R-01	Ramp 2A	107+12	19 RT	35.0	933.3	N.E.	N.E.	CME	79
W2A-1R-02	Ramp 2A	107+99	42 RT	45.0	934.2	17.0	917.2	CME	79
W2A-1R-03	Ramp 2A	108+66	36 RT	45.0	933.3	21.7	911.6	CME	79
W2A-1R-04	Ramp 2A	110+92	42 RT	45.0	935.2	27.0	908.2	CME	79
W2A-1R-05	Ramp 2A	111+65	44 RT	45.0	935.1	26.0	909.1	CME	79
W2A-1R-06	Ramp 2A	113+70	36 RT	45.0	916.4	10.3	906.1	CME	79
W2A-2L-01	Ramp 2A	91+27	14 LT	40.0	980.1	23.5	956.6	CME	79
W2A-MB1-	Ramp 2A	84+67	23 LT	40.0	981.5	22.2	959.3	CME	79
W2A-MB1-	Ramp 2A	83+10	1 RT	44.0	984.9	24.4	960.5	CME	79
W2A-MB1-	Ramp 2A	81+27	48 LT	34.4	1008.4	N.E.	N.E.	CME	79
W2A-MB1-	Ramp 2A	80+21	55 LT	35.0	1003.4	N.E.	N.E.	CME	79
W2A-MB2-	Ramp 2A	84+15	38 RT	45.0	985.6	30.0	955.6	CME	79
W2B-1R-01	Ramp 2B	40+30	12 LT	43.6	995.5	N.E.	N.E.	CME	88
W2B-1R-02	Ramp 2B	41+10	15 RT	21.5	975.7	6.0	969.7	Tri-	N/A
W2B-1R-03	Ramp 2B	41+94	13 RT	41.4	976.9	8.6	968.3	Tri-	N/A
W2B-1R-04	Ramp 2B	46+93	67 RT	40.3	976.9	4.0	972.9	Tri-	N/A
W2B-1R-05	Ramp 2B	49+35	21 LT	58.6	1002.4	8.5	993.9	CME	88
W3A-1R-01	Ramp 3A	288+48	20 RT	25.0	991.6	19.7	971.9	CME	79
W4-1R-01	Ramp 4	60+00	32 RT	33.5	978.6	18.2	960.4	CME	79
W4-1R-02	Ramp 4	57+97	39 RT	40.0	977.3	16.0	961.3	CME	79
W4-1R-03	Ramp 4	55+92	31 RT	40.0	976.8	14.0	962.8	CME	79

Table B-2 – TE SPT Borings (Con't)									
Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
W4-1R-04	Ramp 4	54+04	18 LT	90.0	987.7	28.5	959.2	CME	88
W4-1R-05	Ramp 4	52+04	34 LT	90.0	993.4	33.5	959.9	CME	88
W4-1R-06	Ramp 4	50+08	46 LT	100.0	999.9	38.5	961.4	CME	79
W4-1R-07	Ramp 4	48+04	38 LT	60.0	1005.9	28.5	977.4	CME	79
W4-1R-08	Ramp 4	45+99	46 RT	53.6	973.4	15.8	957.6	CME	79
W4-1R-09	Ramp 4	39+45	61 RT	23.6	958.4	6.0	952.4	CME	79
W4-1R-10	Ramp 4	38+67	49 RT	43.6	961.5	10.0	951.5	CME	79
W4-1R-11	Ramp 4	42+14	70 LT	53.5	1005.7	7.0	998.7	CME	79
W4B-1L-01	Ramp 4B	416+71	23 LT	38.6	999.1	4.4	994.7	CME	79
W4B-1L-02	Ramp 4B	415+12	37 LT	33.8	1001.7	10.0	991.7	CME	79
W85-1L-01	I-85	267+85	84 LT	8.9	1005.4	N.E.	N.E.	D50	101
W85-1L-02	I-85	269+85	87 LT	5.3	1004.3	N.E.	N.E.	CME	88
W85-1L-03	Ramp 4B	421+62	36 RT	6.9	1003.4	N.E.	N.E.	CME	88
W85-1L-04	Ramp 4B	419+82	51 RT	28.4	1001.6	8.5	993.1	D120	85
W85-1L-05	Ramp 4B	418+84	32 RT	23.6	1001.8	8.0	993.8	D120	85
W85-1L-06	Ramp 2	67+48	11 RT	34.0	1007.4	15.4	992.0	CME	79
W85-1L-07	Ramp 2	66+67	3 RT	34.0	1005.8	14.0	991.8	CME	79
W85-2L-01	I-85	277+30	49 LT	23.6	1000.1	N.E.	N.E.	D50	101
W85-2L-02	I-85	279+29	50 LT	16.6	998.7	N.E.	N.E.	D50	101
W85-2L-03	I-85	281+19	41 LT	40.0	997.9	N.E.	N.E.	CME	88
W85-2L-03A	Ramp 1B	65+17	23 RT	26.1	995.9	5.0	990.9	CME 550X	79
W85-3R-01	I-85 NB	296+03	3 LT	40.0	988.9	N.E.	N.E.	CME	79
W85-3R-02	I-85 NB	297+95	28 RT	60.0	984.9	42.2	942.7	CME	79
W385-1R-01	I-385 NB C/D	344+16	4 LT	20.0	933.5	N.E.	N.E.	CME 550X	79
W385-1R-02	I-385 NB C/D	346+08	8 RT	20.0	934.2	N.E.	N.E.	CME 550X	79
W385-2L-01	I-385 NB C/D	365+24	26 LT	18.5	965.4	17.3	948.1	CME 550X	79
W385-2L-02	I-385 NB C/D	367+21	21 LT	8.1	967.0	5.4	961.6	CME 550X	79
W385-2L-03	I-385 NB C/D	368+06	39 LT	18.5	969.4	11.2	958.2	CME 550X	88
W385-2R-01	I-385 NB C/D	364+35	27 RT	43.5	962.8	23.1	939.7	CME 550X	79
W385-2R-02	I-385 NB C/D	366+31	8 RT	8.6	966.2	8.6	957.6	CME 550X	79
W385-2R-03	I-385 NB C/D	367+15	17 RT	5.0	966.2	5.0	961.2	CME 550X	79

Table B-2 – TE SPT Borings (Con't)									
Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
W385-2R-04	I-385 NB C/D	368+00	26 RT	8.1	968.1	N.E.	N.E.	CME 550X	79
W385-4R-01	I-385	428+97	112 RT	40.0	1046.8	N.E.	N.E.	CME 550X	79
W385-4R-02	I-385	431+06	112 RT	40.0	1052.8	20.0	1032.8	CME 550X	88
W385-4R-03	I-385	434+61	112 RT	40.0	1062.3	10.0	1052.3	CME 550X	88
W385-4R-04	I-385	436+60	112 RT	40.0	1066.6	N.E.	N.E.	CME 550X	88
W385-4R-05A	I-385	438+60	113 RT	38.5	1069.9	8.2	1061.7	CME 550X	79
W385-4R-06A	I-385	442+16	113 RT	28.5	1068.0	13.9	1054.1	CME 550X	79
W385-4R-07A	I-385	444+19	111 RT	18.5	1063.7	0.8	1062.9	CME 550X	79
W385-RN-01	I-385 NB C/D	350+76	15 RT	40.0	938.7	19.0	919.7	CME 550X	79
W385-RN-02	I-385 NB C/D	352+77	25 RT	38.8	943.4	N.E.	N.E.	CME 550X	79
W385-RN-03	I-385 NB C/D	356+70	24 RT	15.0	948.8	N.E.	N.E.	CME 550X	79
W385-RN-04	I-385 NB C/D	358+74	26 RT	15.0	952.0	N.E.	N.E.	CME 550X	79
W385-RN-05	I-385 NB C/D	359+69	50 RT	43.8	970.0	N.E.	N.E.	CME 550X	79
W385-RN-06	I-385 NB C/D	360+56	39 RT	44.0	971.0	N.E.	N.E.	CME 550X	79
W385-RN-07	I-385 NB C/D	361+02	50 RT	58.9	956.6	31.6	925.0	CME 550X	79
W385-RN-08	I-385 NB C/D	359+52	72 RT	43.8	970.1	N.E.	N.E.	CME 550X	79
W385-RN-09	I-385 NB C/D	360+26	79 RT	45.0	970.8	N.E.	N.E.	CME 550X	79
W385-RS-01	Ramp 10	26+46	24 LT	60.0	955.8	18.0	937.8	D120	85
W385-RS-02	Ramp 10	24+40	25 LT	65.0	963.3	21.5	941.8	D120	85
W385-RS-03	I-385 SB C/D	122+07	21 RT	39.1	951.8	8.5	943.3	D120	85

Table B-2 – TE SPT Borings (Con't)									
Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
W385-RS-05	Ramp 10	21+52	61 LT	22.0	966.4	12.0	954.4	CME 550X	79
W385-RS-06	Ramp 9	61+38	42 LT	25.5	972.3	13.0	959.3	CME 550X	79
W385-RS-07	Ramp 9	61+65	31 LT	30.0	974.0	N.E.	N.E.	CME 550X	79

N.O.: Groundwater reading not observed during drilling or at 24-hours.

N.E.: Groundwater not encountered during drilling or at 24-hours

Addendum 1: Added new boring data drilled since first submittal of the RGER.

Table B-3 – ECS SPT Borings									
Test ID	Alignment	Station	Offset (ft.)	Test Depth (ft.)	Ground Surface Elevation (ft.)	Water Table Depth (ft.)	Water Table Elevation (ft.)	Drill Rig	Drill Rig Efficiency (%)
R85-100	I-85	207+00	142 RT	55	975.7	34.6	838.9	CME	83
R85-101	I-85	210+00	141 RT	55	971.5	33.0	836.3	CME	83
R85-102	I-85	213+20	209 RT	50	980.1	47.3	830.5	CME	83
R85-103	I-85	216+00	82 RT	35	962.9	27.0	935.9	CME	83
R85-105	I-85	369+00	110 RT	15	915.3	N.O.	N.O.	CME	83
R85-106	I-85	405+00	110 RT	40	865.2	32.0	833.2	CME	83
R385-107	I-385 NBCD	328+50	72 RT	20	921.7	11.1	910.6	CME	83
R385-108	I-385 NBCD	329+50	150 RT	50	944.4	31.4	913.0	CME	83
R1-06	Ramp 1	105+23	29 RT	40.0	991.1	23.0	968.1	CME	79
R1-40	Ramp 1	112+05	17 LT	35.0	1009.0	5.5	1003.5	D50	101
R1A-50	Ramp 1A	54+48	24 LT	18.5	938.6	8.0	930.6	CME	79
R1A-51	Ramp 1A	59+12	CL	35.0	962.9	15.2	947.7	CME	79
R2A-104	Ramp 2A	123+00	50 RT	40	938.0	N.O.	N.O.	CME	83
RM-BX1	Roper Mtn	23+34	38 LT	15	937.3	N.O.	N.O.	CME	83
RM-BX2	Roper Mtn	23+21	17 RT	15	937.6	N.O.	N.O.	CME	83
RM-BX3	Roper Mtn	26+05	22 LT	15	934.2	N.O.	N.O.	CME	83
RM-BX4	Roper Mtn	27+44	35 LT	15	940.0	N.O.	N.O.	CME	83
RM-BX5	Roper Mtn	29+63	32 LT	15	928.5	N.O.	N.O.	CME	83
RM-BX6	Roper Mtn	29+86	17 RT	15	924.1	N.O.	N.O.	CME	83
RM-BX7	Roper Mtn	34+12	14 RT	75	925.2	N.O.	N.O.	CME	83
BX-1-01	Ramp 1	108+05	12 LT	15	992.351	N.O.	N.O.	CME	83
BX-1-02	Ramp 1	74+14	7 RT	30	905.008	4.0	901.0	CME	83
BX-1B-01	Ramp 1B	55+73	33 RT	15	992.021	N.O.	N.O.	CME	83
BX-2B-01	Ramp 2B	33+00	8 LT	95	995.292	14.0	981.3	CME	83
BX-3-01	Ramp 3	39+68	7 LT	20	997.926	N.O.	N.O.	CME	83
BX-4-01	Ramp 4	61+16	4 RT	15	979.372	N.O.	N.O.	CME	83
BX-8-01	Ramp 8	54+27	CL	15	965.558	N.O.	N.O.	CME	83
BX-10-01	Ramp 10	31+76	26 LT	15	937.618	N.O.	N.O.	CME	83
BX-385-01	I-385	345+28	95 LT	30	931.206	18.0	913.2	CME	83
BX-I385 NBCD-01	I-385NBCD	351+73	2 RT	25	938.67	N.O.	N.O.	CME	83
BX-I385 NBCD-02	I-385NBCD	368+95	19 LT	15	968.123	N.O.	N.O.	CME	83
BX-I385 SB CD-01	I-385SB CD	127+95	7 T	15	941.033	12.5	928.5	CME	83
BX-I385 SB CD-02	I-385SB CD	116+45	36 RT	15	971.356	N.O.	N.O.	CME	83