DRILLING NOTES

PROJECT NAME: RANDOLPH - NORTHFIELD **PROJECT NUMBER:** STP 0187(10)SC **SITE:** VT-12A
BORING CONTRACTOR: MIKES BORING & CORING **DATE:** 10/22 and 10/26/2012 **REVIEWED BY:** D'AGOSTINO

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS								
						SOIL TYPE, COLOR, MOSITURE	% MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	% Organice Content
B-1	10/22/2012	0.4	RT	0.0 - 0.33	A	4.0" of Asphalt									
Randolph				0.33 - 4.0	A	Brn, medium Gr w/fine sand	5.6	A-1-b	Si Gr Sa	29.0	50.0	21.0			
				4.0 - 5.0	A	Brn, fine Sa w/some med. Gr		A-2-4	Sa						
				NLTD											
B-2	10/22/2012	0.6	LT	0.0 - 0.88	A	10.5" of Asphalt									
Randolph				0.88 - 4.0	A	Brn, med. Gr w/fine Sa		A-4	Sa Si						
				4.0 - 5.0	A	Brn, silty fine sand w/ tr med. Gr		A-1-b	Gr Sa		28.8	11.8			
				NLTD											
B-3	10/22/2012	0.8	RT	0.0 - 0.75	A	9.0" of Asphalt									
Randolph				0.75 - 3.0	A	Brn, med. Gr w/fine Sa	6.7	A-1-b	Gr Sa	23.0	61.0	16.0			
				3.0 - 4.5	A	Brn, fine Sa w/med. Gr	3.1	A-1-a	Gr Sa	40.0	49.0	11.0			
				TLOB											
B-3A	10/22/2012	0.8	RT	0.0 - 0.75	A	9.0" of Asphalt									
Randolph				0.75 - 3.0	A	Brn, med. Gr w/fine Sa		A-1-b	Gr Sa						
				3.0 - 4.5	A	Brn, fine Sa w/some med. Gr		A-1-b	Gr Si Sa						
				TLOB											
B-4	10/22/2012	1.0	LT	0.0 - 0.63	A	7.5" of Asphalt									
Randolph				0.63 - 2.0	A	Brn med. Gt	16.0	A-2-4	Si Sa	6.0	68.0	26.0			
				2.0 - 5.0	A	Brn fine Sa w/some stones		A-1-b	Gr Sa						
				NLTD											
B-5	10/22/2012	0.0	RT	0.0 - 0.54	A	6.5" of Asphalt									
Braintree				0.54 - 5.0	A	Brn, silty fine sand and med. Gr		A-1-a	Gr Sa	36.8	42.0				
				NLTD											
B-6	10/22/2012	0.2	LT	0.0 - 0.54	A	6.5" of Asphalt									
Braintree				0.54 - 5.0	A	Brn med. Gr w/fine silty Sa		A-1-a	Gr Sa						
				NLTD											
B-7	10/22/2012	0.4	RT	0.0 - 0.42	A	5.0" of Asphalt									
Braintree				0.42 - 5.0	A	Brn med. Gr w/fine silty Sa	7.0	A-2-4	Si Sa	14.0	57.0	29.0			
				NLTD											
B-8	10/22/2012	0.6	LT	0.0 - 0.54	A	6.5" of Asphalt									
Braintree				0.54 - 5.0	A	Brn med. Gr w/fine silty Sa		A-1-b	Si Gr Sa						
				NLTD											
B-9	10/22/2012	0.9	RT	0.0 - 0.52	A	6.25" of Asphalt									
Braintree				0.52 - 4.0	A	Brn med. Gr w/some fine Sa	6.8	A-1-b	Si Gr Sa	27.0	52.0	21.0			
				4.0 - 5.0	A	Brn, silty Gr		A-1-b	Si Sa						
				NLTD											
B-10	10/22/2012	1.1	LT	0.0 - 0.56	A	6.75" of Asphalt									
Braintree				0.56 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Sa						
				NLTD											
B-11	10/22/2012	1.3	RT	0.0 - 0.50	A	6.0"of Asphalt									
Braintree				0.50 - 4.0	A	Brn med. Gr w/fine Sa	5.0	A-1-b	Si Gr Sa	24.0	55.0	21.0			
				4.0 - 5.0	A	Brn silty fine Sa	24.5	A-4	Si Sa	11.0	45.0	44.0			
				NLTD											
B-12	41204	1.5	LT	0.0 - 0.5	A	6.0" of Asphalt									
Braintree				0.50 - 4.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Sa						
				4.0 - 5.0	A	Brn fine Sa		A-2-4	Si Sa						
				NLTD											
B-13	10/22/2012	1.7	RT	0.0 - 0.33	A	4.0" of Asphalt									
Braintree				0.33 - 5.0	A	Brn med. Gr w/fine Sa	10.9	A-2-4	Si Sa	11.0	56.0	33.0			
				NLTD											
B-14	10/23/2012	1.9	LT	0.0 - 0.56	A	6.75" of Asphalt									
Braintree				0.56 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Gr Sa						
				NLTD											
B-15	10/23/2012	2.1	RT	0.0 - 0.40	A	4.75" of Asphalt									
Braintree				0.40 - 5.0	A	Brn med. Gr w/fine Sa	15.6	A-4	Si Sa	13.0	51.0	36.0			
				NLTD											
B-16	10/23/2012	2.4	LT	0.0 - 0.40	A	4.75" of Asphalt									
Braintree				0.40 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Gr Sa						
				NLTD											
B-17	10/23/2012	2.6	RT	0.0 - 0.42	A	5" of Asphalt									
Braintree				0.42 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Gr Sa						
				NLTD											
B-18	10/23/2012	2.8	LT	0.0 - 0.46	A	5.5" of Asphalt									
Braintree				0.46 - 5.0	A	Brn med. Gr w/fine Sa	12.5	A-2-4	Si Sa	13.0	58.0	29.0			
				NLTD											
B-19	10/23/2012	3.0	RT	0.0 - 0.44	A	5.25" of Asphalt									
Braintree				0.44 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Sa						
				NLTD											
B-20	10/23/2012	3.2	LT	0.0 - 0.38	A	4.5" of Asphalt									
Braintree				0.38 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Sa						
				NLTD											
B-21	10/23/2012	3.4	RT	0.0 - 0.48	A	5.75" of Asphalt									
Braintree				0.48 - 5.0	A	Brn med. Gr w/fine Sa	4.6	A-1-b	Gr Sa	34.0	49.0	17.0			
				NLTD											
B-22	10/23/2012	3.6	LT	0.0 - 0.40	A	4.75" of Asphalt									
Braintree				0.40 - 4.0	A	Brn med. Gr w/fine Sa		A-1-b	Gr Sa						
				4.0 - 5.0	A	Brn silty fine Sa		A-4	Si Sa						
				NLTD											
B-23	10/23/2012	3.8	RT	0.0 - 0.50	A	6.0" of Asphalt									
Braintree				0.50 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Gr Sa						
				NLTD											
B-24	10/23/2012	3.9	LT	0.0 - 0.56	A	6.75" of Asphalt									
Braintree				0.56 - 5.0	A	Brn med. Gr w/fine Sa	3.3	A-1-b	Gr Sa	34.0	50.0	16.0			
				NLTD											

DRILLING NOTES

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BORING CONTRACTOR: MIKES BORING & CORING **DATE:** 10/22 and 10/26/2012 **REVIEWED BY:** D'AGOSTINO

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS								
						SOIL TYPE, COLOR, MOSITURE	% MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	% Organice Content
B-25	10/23/2012	4.0	RT	0.0 - 0.50	A	6.0" of Asphalt									
Braintree				0.50 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Gr Sa			12.0			
				NLTD											
B-26	10/23/2012	4.0	LT	0.0 - 0.27	A	3.25" of Asphalt									
Braintree				0.27 - 3.0	A	Brn med. Gr w/fine Sa		A-1-b	Gr Si Sa						
				3.0 - 5.0	A	Brn silty Sa	28.9	A-4	Si Sa	9.0	53.0	38.0			
				NLTD		Water at 3.0 ft									
B-27	10/23/2012	4.1	RT	0.0 - 0.50	A	6.0" of Asphalt									
Braintree				0.50 - 5.0	A	Brn med. Gr w/fine Sa	4.5	A-1-b	Gr Sa	26.0	57.0	17.0			
				NLTD											
B-28	10/23/2012	4.2	LT	0.0 - 0.46	A	5.5" of Asphalt									
Braintree				0.46 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Si Gr Sa						
				NLTD											
B-29	10/23/2012	4.4	RT	0.0 - 0.54	A	6.5" of Asphalt									
Braintree				0.54 - 5.0	A	Brn sandy med. Gr	8.9	A-2-4	Sa	18.0	62.0	20.0			
				NLTD											
B-30	10/23/2012	4.6	LT	0.0 - 0.52	A	6.25: of Asphalt									
Braintree				0.52 - 3.0	A	Brn med. Gr		A-1-b	Gr Sa						
				3.0 - 5.0	A	Silty Sa w/stones		A-4	Si Sa						
				NLTD											
B-31	10/23/2012	4.8	RT	0.0 - 0.42	A	5.0" of Asphalt									
Braintree				0.42 - 5.0	A	Brn med. Gr w/fine Sa	5.5	A-1-b	Gr Si Sa	22.0	55.0	23.0			
				NLTD											
B-32	10/23/2012	5.0	LT	0.0 - 0.50	A	Asphalt									
Braintree				0.50 - 5.0	A	Brn med. Gr w/fine Sa		A-1-b	Gr Sa						
				NLTD											
B-33	10/23/2012	5.2	RT	0.0 - 0.56	A	6.75" of Asphalt									
Braintree				0.56 - 5.0	A	Brn med. Gr w/fine Sa	3.8	A-1-b	Gr Sa	33.0	47.0	20.0			
				NLTD											
B-34	10/23/2012	5.4	LT	0.0 - 0.92	A	11.0" of Asphalt									
Braintree				0.92 - 5.0	A	Brn sandy Gr		A-1-b	Sa						
				NLTD											
B-35	10/23/2012	5.6	RT	0.0 - 0.69	A	8.25" of Asphalt									
Braintree				0.69 - 5.0	A	brn sandy Gr	9.9	A-1-b	Sa	11.0	70.0	19.0			
				NLTD											
B-36	10/23/2012	5.9	LT	0.0 - 0.60	A	7.25" of Asphalt									
Braintree				0.60 - 5.0	A	Brn med. Gr w/fine Sa		A-2-4	Si Sa						
				NLTD											
B-37	10/23/2012	6.1	RT	0.0 - 0.60	A	7.25" of Asphalt									
Braintree				0.60 - 5.0	A	Brn med. Gr w/fine Sa		A-2-4	Si Sa						
				NLTD											
B-38	10/23/2012	6.2	LT	0.0 - 0.50	A	6.0" of Asphalt									
Braintree				0.50 - 5.0	A	Brn med. Gr w/fine Sa	3.2	A-1-b	Sa	20.0	60.0	20.0			
				NLTD											
B-39	10/23/2012	6.2	RT	0.0 - 0.63	A	7.5" of Asphalt									
Braintree				0.63 - 5.0	A	Brn med. Gr w/fine Sa		A-2-4	Si Sa						
				NLTD											
B-40	10/23/2012	6.4	LT	0.0 - 0.69	A	8.25" of Asphalt									
Braintree				0.69 - 2.0	A	Brn med. Gr		A-2-4	Si Sa						
				2.0 - 3.5	A	Weathered Rock									
				TLOB											
B-41	10/24/2012	6.6	RT	0.0 - 0.58	A	7.0" of Asphalt									
Braintree				0.58 - 3.5	A	Brn med. Gr w/fine Sa	7.2	A-2-4	Si Sa	13.0	56.0	31.0			
				TLOB											
B-42	10/24/2012	6.8	LT	0.0 - 0.63	A	7.5" of Asphalt									
Braintree				0.63 - 4.5	A	Brn med. Gr w/fine Sa		A-1-b	Gr Si Sa						
				4.5 - 5.0	A	Brn fine Sa w/peat	18.1	A-2-4	Gr Si Sa	22.0	49.0	29.0		NP	
				NLTD											
B-43	10/24/2012	7.0	RT	0.0 - 0.58	A	7.0" of Asphalt									
Braintree				0.58 - 5.0	A	Brn sandy gr	6.6	A-2-4	Si Sa	13.0	60.0	27.0			
				NLTD											
B-44	10/24/2012	0.0	LT	0.0 - 0.71	A	8.5" of Asphalt									
Granville				0.71 - 4.0	A	Brn sandy Gr		A-1-b	Si Sa						
				4.0 - 5.0	A	Brn fine Sa w/peat	4.7								36.5
				NLTD											
B-45	10/24/2012	0.2	RT	0.0 - 0.54	A	6.5" of Asphalt									
Granville				0.54 - 3.0	A	Brn sandy Gr	3.4	A-1-b	Gr Si Sa	23.0	54.0	23.0			
				3.0 - 5.0	A	Weathered Rock	1.6	A-1-b	Gr Si Sa	22.0	54.0	24.0			
				TLOB											
B-46	10/24/2012	0.4	LT	0.0 - 0.73	A	8.75" of Asphalt									
Granville				0.73 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-47	10/24/2012	0.6	RT	0.0 - 0.75	A	9.0" of Asphalt									
Granville				0.75 - 4.0	A	Brn sandy Gr	9.8	A-1-b	Si Sa	17.0	60.0	23.0			
				4.0 - 5.0	A	Brn silty Sa w/trace of peat		A-4	Sa Si						
				NLTD											
B-48	10/24/2012	0.8	LT	0.0 - 0.83	A	10.0" of Asphalt									
Granville				0.83 - 3.0	A	Brn sandy Gr		A-1-b	Si Sa						
				3.0 - 4.0	A	Brn silty Sa w/some med. Gr		A-4	Si Sa						
				4.0 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-49	10/24/2012	1.0	RT	0.0 - 0.81	A	9.75" of Asphalt									
Granville				0.81 - 5.0	A	Brn sandy Gr	6.8	A-2-4	Si Sa	10.0	56.0	34.0			
				NLTD											

DRILLING NOTES

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BORING CONTRACTOR: MIKES BORING & CORING **DATE:** 10/22 and 10/26/2012 **REVIEWED BY:** D'AGOSTINO

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS								
						SOIL TYPE, COLOR, MOSITURE	% MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	% Organice Content
B-50	10/24/2012	1.2	LT	0.0 - 1.00	A	12.0" of Asphalt									
Granville				1.00 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-51	10/24/2012	1.5	RT	0.0 - 0.63	A	7.5" of Asphalt									
Granville				0.63 - 5.0	A	Brn sandy gr w/trace of silt	10	A-1-b	Si Sa	13.0	44.0	23.0			
				NLTD											
B-52	10/24/2012	0.0	LT	0.0 - 0.29	A	3.5" of Asphalt									
Roxbury				0.29 - 5.0	A	Brn silty Sa w/med. Gr		A-4	Si Sa						
				NLTD											
B-53	10/24/2012	0.2	RT	0.0 - 0.46	A	5.5" of Asphalt									
Roxbury				0.46 - 5.0	A	Brn med. Sa w/some med. Gr	6.4	A-4	Si Sa	11.0	53.0	36.0			
				NLTD											
B-54	10/24/2012	0.4	LT	0.0 - 0.50	A	6.0" of Asphalt									
Roxbury				0.50 - 5.0	A	Brn sandy Gr		A-1-b	Si Gr Sa						
				NLTD											
B-55	10/24/2012	0.6	RT	0.0 - 0.67	A	8.0" of Asphalt									
Roxbury				0.67 - 3.0	A	Brn sandy Gr	4.6	A-1-b	Si Gr Sa	26.0	52.0	22.0			
				3.0 - 3.5	A	Weathered Rock									
				TLOB											
B-56	10/24/2012	0.65	LT	0.0 - 0.48	A	5.75' of Asphalt									
Roxbury				0.48 - 5.0	A	Brn sandy Gr		A-1-b	Si Gr Sa						
				NLTD											
B-57	10/24/2012	0.66	RT	0.0 - 0.63	A	7.5" of Asphalt									
Roxbury				0.63 - 3.0	A	Brn sandy Gr	4.3	A-1-b	Gr Sa	22.0	65.0	13.0			
				3.0 - 3.5	A	Weathered Rock									
				TLOB											
B-1A	11/19/2012	3.86	RT	0.0 - 0.54	A	6.5" of Asphalt									
Braintree				0.54 - 4.0	A	Dense Brn course to fine sand and Grvl, little silt		A-1-b							
				4.0 - 12.0	A	Dense Brn Grvl & course to fine sand, little silt		A-1-a							
				12.0 - 15.0	A	Fill									
				15.0 - 19.0	A	Dense, grey,course to fine sand and gravel, little silt		A-1-a							
				NLTD											
B-2A	11/19/2012	4.1	LT	0.0 - 0.7	A	8" of Asphalt									
Braintree				0.7 - 7.0	A	Dense Brn Grvl & course to fine sand, little silt		A-1-a							
				7.0 - 9.0	A	Fill									
				9.0 - 18.0	A	Dense Brn Grvl and course to fine sand, little silt		A-1-a							
				18.0 - 19.0	A	Glacial Outwash									
				19.0 - 31.0	A	Medium dense Brn Grvl and course to fine sand, little silt		A-1-a							
				31.0 - 34.0		Glacial Outwash									
				34.0 - 36.0	A	Dense Brn Grvl and course to fine sand, little silt		A-1-a							
				NLTD											
B-3A	11/19/2012	4.1	RT	0.0 - 0.54	A	6.5" of Asphalt									
Braintree				0.54 - 18.0	A	Dense Brn Grvl & course to fine sand, little silt		A-1-a							
				18.0 - 19.0	A	Glacial Outwash									
				9.0 - 18.0	A	Dense Brn Grvl and course to fine sand, little silt		A-1-a							
				18.0 - 19.0	A	Glacial Outwash									
				19.0 - 31.0	A	Medium dense Brn Grvl and course to fine sand, little silt		A-1-a							
				31.0 - 34.0		Glacial Outwash									
				34.0 - 41.0	A	Dense Brn Grvl and course to fine sand, little silt		A-1-a							
				41.0 - 44.0		Glacial Outwash									
				44.0 - 46.0		Medium dense brown silty fine sand		A3							
				NLTD											

SAMPLE TYPE "A" = Auger
SAMPLE TYPE "SS" = Split Spoon
SAMPLE TYPE "C" = Core

NLTD = No Ledge To Depth
CNPF = Could Not Penetrate Further
TLOB = To Ledge or Boulder

Stantec

PROJECT NAME: RANDOLPH-ROXBURY
PROJECT NUMBER: ER STP 0187(11)

FILE NAME: z13c182frm.dgn
PROJECT LEADER: M. FOISY
DESIGNED BY: I. MAYNARD
SOIL BORING LOG SHEET

PLOT DATE: 11/17/2014
DRAWN BY: I. MAYNARD
CHECKED BY: M. FOISY
SHEET 35 OF 545