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: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DESCRIPTION	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	% Organic Content
B-59	10/24/2012	0.695	LT	0.0 - 0.50	A	6.0" of Asphalt									
Roxbury				0.50 - 4.0	A	Brn sandy Gr	6.0	**A-2-4**	**Si Sa**	18.0	54.0	28.0			
				4.0 - 5.0	A	Brn med. Sa w/peat	1.4	A-2-4	Si Sa						23.3
				NLTD											
B-60	10/24/2012	0.80	RT	0.0 - 0.73	A	8.75" of Asphalt									
Roxbury				0.73 - 3.5	A	Crushed Stone		A-1-b	Si Gr Sa						
				3.5 - 5.0	A	Brn sandy Gr	6.1	**A-4**	**Si Sa**	13.0	51.0	36.0			
				NLTD											
B-61	10/24/2012	1.00	LT	0.0 - 0.46	A	5.5" of Asphalt									
Roxbury				0.46 - 5.0	A	Brn sandy Gr	5.9	**A-2-4**	**Si Sa**	15.0	57.0	28.0			
				NLTD											
B-62	10/24/2012	1.20	RT	0.0 - 0.44	A	5.25" of Asphalt									
Roxbury				0.44 - 5.0	A	Brn sandy Gr		A-2-4	Si Sa						
				NLTD											
B-63	10/24/2012	1.40	LT	0.0 - 0.46	A	5.5" of Asphalt									
Roxbury				0.46 - 5.0	A	Brn sandy Gr		A-2-4	Si Sa						
				NLTD											
B-64	10/24/2012	1.60	RT	0.0 - 0.40	A	4.75" of Asphalt									
Roxbury				0.40 - 5.0	A	Brn sandy Gr	4.9	**A-2-4**	**Si Sa**	20.0	54.0	26.0			
				NLTD											
B-65	10/24/2012	1.80	LT	0.0 - 0.52	A	6.25" of Asphalt									
Roxbury				0.52 - 5.0	A	Brn sandy Gr		A-2-4	Si Sa						
				NLTD											
B-66	10/24/2012	1.83	RT	0.0 - 0.52	A	6.25" of Asphalt									
Roxbury				0.52 - 5.0	A	Brn sandy Gr		A-1-b	Gr Si Sa						
				NLTD											
B-67	10/24/2012	1.88	LT	0.0 - 0.50	A	6.0" of Asphalt									
Roxbury				0.50 - 5.0	A	Brn sandy Gr	4.6	**A-1-b**	**Gr Sa**	29.0	55.0	16.0			
				NLTD											
B-68	10/24/2012	2.00	RT	0.0 - 0.50	A	6.0" of Asphalt									
Roxbury				0.50 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-69	10/25/2012	2.20	LT	0.0 - 0.56	A	6.75" of Asphalt									
Roxbury				0.56 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-70	10/25/2012	2.26	RT	0.0 - 0.67	A	8.0" of Asphalt									
Roxbury				0.67 - 5.0	A	Brn sandy Gr	11.9	**A-2-4**	**Si Sa**	7.0	72.0	21.0			
				NLTD											
B-71	10/25/2012	2.29	LT	0.0 - 0.63	A	7.5" of Asphalt									
Roxbury				0.63 - 5.0	A	Brn sandy Gr		A-1-b	Si Gr Sa						
				NLTD											
B-72	10/25/2012	2.40	RT	0.0 - 0.46	A	5.5" of Asphalt									
Roxbury				0.46 - 5.0	A	Brn sandy Gr		A-1-b	Si Gr Sa						
				NLTD											
B-73	10/25/2012	2.50	LT	0.0 - 0.58	A	7.0" of Asphalt									
Roxbury				0.58 - 5.0	A	Brn sandy Gr	3.3	**A-1-b**	**Si Gr Sa**	25.0	52.0	23.0			
				NLTD											
B-74	10/25/2012	2.54	RT	0.0 - 0.58	A	7.0" of Asphalt									
Roxbury				0.58 - 4.0	A	Brn sandy Gr		A-1-b	Si Sa						
				4.0 - 5.0	A	Brn silty fine Sa	19.3	**A-1-b**	**Sand**	8.0	73.0	19.0			
				NLTD											
B-75	10/25/2012	2.60	LT	0.0 - 0.52	A	6.25" of Asphalt									
Roxbury				0.52 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-76	10/25/2012	2.80	RT	0.0 - 0.58	A	7.0" of Asphalt									
Roxbury				0.58 - 5.0	A	Brn sandy Gr	11.0	**A-1-b**	**Si Sa**	18.0	58.0	24.0			
				NLTD											
B-77	Probe was not drilled due to underground AT&T utility line.														
B-78	10/25/2012	2.845	RT	0.0 - 0.85	A	10.25" of Asphalt									
Roxbury				0.85 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-79	10/25/2012	3.00	LT	0.0 - 0.54	A	6.5" of Asphalt									
Roxbury				0.54 - 5.0	A	Brn sandy Gr	5.6	**A-2-4**	**Si Sa**	18.0	55.0	27.0			
				NLTD											
B-80	10/25/2012	3.21	RT	0.0 - 0.42	A	5.0" of Asphalt									
Roxbury				0.42 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-81	10/25/2012	3.24	LT	0.0 - 0.46	A	5.5" of Asphalt									
Roxbury				0.46 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-82	10/25/2012	3.40	RT	0.0 - 0.50	A	6.0" of Asphalt									
Roxbury				0.50 - 5.0	A	Brn sandy Gr	4.1	**A-1-b**	**Gr Si Sa**	21.0	55.0	24.0			
				NLTD											
B-83	10/25/2012	3.60	LT	0.0 - 0.63	A	7.5" of Asphalt									
Roxbury				0.63 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-84	10/25/2012	3.80	RT	0.0 - 0.46	A	5.5" of Asphalt									
Roxbury				0.46 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-85	10/25/2012	4.00	LT	0.0 - 0.52	A	6.25" of Asphalt									
Roxbury				0.52 - 5.0	A	Brn fine Sa w/small stones	8.4	**A-2-4**	**Sand**	10.0	70.0	20.0			
				NLTD											
B-86	10/25/2012	4.20	RT	0.0 - 0.60	A	7.25" of Asphalt									
Roxbury				0.60 - 5.0	A	Brn silty Sa w/med. Gr		A-2-4	Si Sa						
				NLTD											

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: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DESCRIPTION	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	% Organic Content
B-87	10/25/2012	4.40	LT	0.0 - 0.88	A	10.5" of Asphalt									
Roxbury				0.88 - 3.0	A	Brn sandy Gr	5.2	**A-1-b**	**Si Sa**	17.0	62.0	21.0			
				3.0 - 4.0	A	Gry-brn silty Sa w/clay	27.6	**A-4**	**Sa Si**	1.0	44.0	55.0		NP	
				4.0 - 5.0	A	Brn silty Sa		A-4	Sa Si						
				NLTD											
B-88	10/25/2012	4.60	RT	0.0 - 1.10	A	13.25" of Asphalt									
Roxbury				1.10 - 4.0	A	Brn sandy Gr		A-2-4	Sand						
				4.0 - 5.0	A	Brn silty Sa		A-4	Sa Si						
				NLTD											
B-89	10/25/2012	4.80	LT	0.0 - 1.08	A	13" of Asphalt									
Roxbury				1.08 - 3.0	A	Brn sandy Gr	5.4	**A-1-b**	**Si Gr Sa**	24.0	54.0	22.0			
				3.0 - 5.0	A	Gry silty Sa w/trace of clay and peat	30.9	**A-4**	**Sa Si**	1.0	39.0	60.0		NP	
				NLTD											
B-90	10/25/2012	5.00	RT	0.0 - 0.71	A	8.5" of Asphalt									
Roxbury				0.71 - 5.0	A	Brn fine Sa		A-2-4	Sand						
				NLTD											
B-91	10/25/2012	5.20	LT	0.0 - 0.42	A	5.0" of Asphalt									
Roxbury				0.42 - 5.0	A	Brn fine Sa	8.9	**A-2-4**	**Sand**	1.0	83.0	16.0			
				NLTD											
B-92	10/25/2012	5.40	RT	0.0 - 0.42	A	5.0" of Asphalt									
Roxbury				0.42 - 3.0	A	Brown med. Gr		A-1-b	Gr Sa						
				3.0 - 5.0	A	Brn med. Fine Sa w/md gr		A-2-4	Si Sa						
				NLTD											
B-93	10/25/2012	5.60	LT	0.0 - 0.42	A	5.0" of Asphalt									
Roxbury				0.42 - 5.0	A	Brn sandy Gr	10.5	**A-2-4**	**Si Sa**	10.0	69.0	21.0			
				NLTD											
B-94	10/25/2012	5.80	RT	0.0 - 0.52	A	6.25" of Asphalt									
Roxbury				0.52 - 5.0	A	Brn sandy Gr		A-1-b	Gr Si Sa						
				NLTD											
B-95	10/25/2012	6.00	LT	0.0 - 0.58	A	7.0" of Asphalt									
Roxbury				0.58 - 5.0	A	Brn very fine Sa with some small stones	7.7	**A-4**	**Sa Si**	4.0	45.0	51.0			
				NLTD											
B-96	10/25/2012	0.00	RT	0.0 - 0.67	A	8.0" of Asphalt									
Northfield				0.67 - 5.0	A	Brn sandy Gr		A-2-4	Si Sa						
				NLTD											
B-97	10/25/2012	0.20	LT	0.0 - 0.65	A	7.75' of Asphalt									
Northfield				0.65 - 3.5	A	Brn sandy Gr	3.6	**A-1-b**	**Gr Si Sa**	22.0	54.0	24.0			
				3.5 - 5.0	A	Brn fine Sa		A-2-4	Sand						
				NLTD											
B-98	10/25/2012	0.40	RT	0.0 - 0.63	A	7.5" of Asphalt									
Northfield				0.63 - 5.0	A	Brn sandy Gr		A-1-b	Gr Si Sa						
				NLTD											
B-99	10/25/2012	0.60	LT	0.0 - 0.56	A	6.75" of Asphalt									
Northfield				0.56 - 2.5	A	Gr	3.6	**A-2-4**	**Si Sa**	14.0	64.0	22.0			
				2.5 - 5.0	A	brn very fine Sa	8.9	**A-2-4**	**Sand**	0.0	83.0	17.0			
				NLTD											
B-100	10/25/2012	0.80	RT	0.0 - 0.65	A	7.75' of Asphalt									
Northfield				0.65 - 2.0	A	Gr		A-1-b	Gr Si Sa						
				2.0 - 5.0	A	Brn very fine Sa		A-2-4	Sand						
				NLTD											
B-101	10/26/2012	1.00	LT	0.0 - 0.79	A	9.5" of Asphalt									
Northfield				0.79 - 5.0	A	Brn sandy Gr	6.5	**A-2-4**	**Sand**	17.0	64.0	19.0			
				NLTD											
B-102	10/26/2012	1.20	RT	0.0 - 0.79	A	9.5" of Asphalt									
Northfield				0.79 - 3.0	A	Brn sandy Gr		A-1-b	Gr Si Sa						
				3.0 - 5.0	A	Weathered Rock									
				TLOB											
B-103	10/26/2012	1.40	LT	0.0 - 0.63	A	7.5" of Asphalt									
Northfield				0.63 - 5.0	A	Brn sandy Gr	13.3	**A-4**	**Si Sa**	7.0	55.0	38.0			
				NLTD											
B-104	10/26/2012	1.60	RT	0.0 - 0.60	A	7.25" of Asphalt									
Northfield				0.60 - 4.0	A	Brn sandy Gr		A-4	Si Sa						
				4.0 - 5.0	A	Brn silty Sa		A-4	Si Sa						
				NLTD											
B-105	10/26/2012	1.80	LT	0.0 - 0.81	A	9.75' of Asphalt									
Northfield				0.81 - 2.5	A	Brn sandy Gr	4.1	**A-4**	**Si Sa**	16.0	47.0	37.0			
				2.5 - 5.0	A	Weathered Rock									
				TLOB											
B-106	10/26/2012	2.00	RT	0.0 - 0.75	A	9.0" of Asphalt									
Northfield				0.75 - 4.0	A	Brn sandy Gr		A-2-4	Si Sa						
				4.0 - 5.0	A	Brn silty Sa w/trace of peat	1.1	A-2-4	Si Sa						17.9
				NLTD											
B-107	10/26/2012	2.10	LT	0.0 - 0.67	A	8.0" of Asphalt									
Northfield				0.67 - 5.0	A	Brn sandy Gr	6.5	**A-2-4**	**Si Sa**	20.0	54.0	26.0			
				NLTD											
B-108	10/26/2012	2.13	RT	0.0 - 0.69	A	8.25' of Asphalt									
Northfield				0.69 - 5.0	A	Brn sandy Gr		A-1-a	Gr Sa						
				NLTD											

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: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DESCRIPTION	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	% Organic Content
B-109	10/26/2012	2.20	LT	0.0 - 0.83	A	10.0" of Asphalt									
Northfield				0.88 - 5.0	A	Brn sandy Gr		A-1-a	Gr Sa						
				NLTD											
B-110	10/26/2012	2.40	RT	0.0 - 0.79	A	9.5" of Asphalt									
Northfield				0.79 - 4.0	A	Brn sandy Gr	4.3	**A-1-a**	**Gr Sa**	25.0	69.0	6.0			
				4.0 - 5.0	A	Brn fine Sa		A-2-4	Sand						
				NLTD											
B-111	10/26/2012	2.60	LT	0.0 - 0.71	A	8.5" of Asphalt									
Northfield				0.71 - 5.0	A	Brn sandy Gr		A-2-4	Si Sa						
				NLTD											
B-112	10/26/2012	2.80	RT	0.0 - 0.58	A	7.0" of Asphalt									
Northfield				0.58 - 3.0	A	Brn sandy Gr		A-2-4	Si Sa						
				3.0 - 5.0	A	Brn silty fine Sa	23.3	**A-4**	**Si Sa**	0.0	61.0	39.0			
				NLTD											
B-113	10/26/2012	3.00	LT	0.0 - 0.75	A	9.0" of Asphalt									
Northfield				0.75 - 2.5	A	Brn sandy Gr	20.2	**A-4**	**Si Sa**	1.0	53.0	46.0			
				2.5 - 5.0	A	Brn silty fine Sa		A-4	Sa Si						
				NLTD											
B-114	10/26/2012	3.20	RT	0.0 - 0.88	A	10.5" of Asphalt									
Northfield				0.88 - 5.0	A	Brn sandy Gr		A-2-4	Sa Si						
				NLTD											
B-115	10/26/2012	3.40	LT	0.0 - 0.85	A	10.25" of Asphalt									
Northfield				0.85 - 5.0	A	Brn sandy Gr	5.9	**A-2-4**	**Si Sa**	11.0	57.0	32.0			
				NLTD											
B-116	10/26/2012	3.60	RT	0.0 - 0.85	A	10.25" of Asphalt									
Northfield				0.85 - 5.0	A	Brn sandy Gr		A-2-4	Si Sa						
				NLTD											
B-117	10/26/2012	3.80	LT	0.0 - 0.77	A	9.25" of Asphalt									
Northfield				0.77 - 5.0	A	Brn sandy Gr		A-1-b	Si Sa						
				NLTD											
B-118	10/26/2012	3.921	RT	0.0 - 0.85	A	10.25" of Asphalt									
Northfield				0.85 - 5.0	A	Brn sandy Gr	10.8	**A-2-4**	**Si Sa**	9.0	60.0	31.0			
				NLTD											

NOTE:
REFER TO LAYOUTS ON SHEETS 51-153 FOR BORING LOCATIONS.

SAMPLE TYPE "A" = Auger	NLTD = No Ledge To Depth	NP = Non-Plastic
SAMPLE TYPE "SS" = Split Spoon	CNPF = Could Not Penetrate Further	**BOLD** indicates the descriptions were
SAMPLE TYPE "C" = Core	TLOB = To Ledge Or Boulder	based on laboratory tests, otherwise descriptions were based on visual observations

Stantec

PROJECT NAME: ROXBURY-NORTHFIELD
PROJECT NUMBER: ER STP 0187(13)

FILE NAME: z13c184frm.dgn
PROJECT LEADER: M. FOISY
DESIGNED BY: G. BURGMEIER
SOIL BORING LOG SHEET

PLOT DATE: 5/25/2016
DRAWN BY: G. BURGMEIER
CHECKED BY: G. EDWARDS
SHEET 17 OF 476