

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION	BORING NUMBER: BB-WRB-101 SHEET 1 of 3 DATE STARTED: 6/24/13 DATE COMPLETED: 6/24/13				
PROJECT NAME: Randolph Bro 1444(57) TH 65 BR35 SITE NAME: Randolph, VT STATION: 100+48 OFFSET: 1.5 LT VTSPG:		PROJECT NUMBER: 123-87463 SITE NUMBER: TH 65 BR 35 GROUND ELEVATION: 577.0 ft GROUNDWATER DEPTH: 12.6 ft 6/24/13 PROJECT PIN NUMBER:					
BORING CREW: New Hampshire Boring CREW CHIEF: W. Hoeckle DRILLER: W. Hoeckle LOGGER: C. Stuart		BORING RIG: Diedrich D-50 Track BORING TYPE: Wash Bore SAMPLE TYPE: Split Barrel CHECKED BY: JDL					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
2.5		A-1-a, GrSa, Rec. = 1.0 ft, brown, moist, medium dense, gravelly fine to coarse SAND, subrounded, (GW), [Sample 1D].	16				
5.0		A-4, SaSi, Rec. = 0.92 ft, brown, moist, medium dense, silty fine SAND, (SM), [Sample 2D - Top 8"].	28				
7.5		A-4, SaSi, gray-brown, moist, medium dense, silty fine SAND, (SM), [Sample 2D - Bottom 3"].					
10.0		A-4, SaSi, Rec. = 1.25 ft, gray-brown, wet, medium dense, silty fine SAND, (SM), [Sample 3D]. 10.0 ft, End of fill layer.	14	29.8	0.0	58.0	42.0
15.0		13.5 ft, Driller reported possible cobble. A-1-b, SaGr, Rec. = 0.42 ft, dark gray-brown, wet, very dense, gravelly fine to coarse SAND, (SW), [Sample 4D].	53				
17.5		18.0 ft, Driller reported high casing blows (approx. 350 blows / 5 ft).					
20.0		A-1-b, SaGr, Rec. = 0.42 ft, gray, wet, very dense, gravelly fine to coarse SAND, some silt, (SM), [Sample 5D].	69				
22.5		A-1-b, SaGrSi, Rec. = 0.75 ft, dark gray, wet, fine to coarse SAND, some gravel, little silt, (SM), [Sample 6D]. Note: some weathered	40	12.9	46.0	38.0	16.0

BOTTOM OF ABUT. 2
EL. 566.00'

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION	BORING NUMBER: BB-WRB-101 SHEET 2 of 3 DATE STARTED: 6/24/13 DATE COMPLETED: 6/24/13				
PROJECT NAME: Randolph Bro 1444(57) TH 65 BR35 SITE NAME: Randolph, VT STATION: 100+48 OFFSET: 1.5 LT VTSPG:		PROJECT NUMBER: 123-87463 SITE NUMBER: TH 65 BR 35 GROUND ELEVATION: 577.0 ft GROUNDWATER DEPTH: 12.6 ft 6/24/13 PROJECT PIN NUMBER:					
BORING CREW: New Hampshire Boring CREW CHIEF: W. Hoeckle DRILLER: W. Hoeckle LOGGER: C. Stuart		BORING RIG: Diedrich D-50 Track BORING TYPE: Wash Bore SAMPLE TYPE: Split Barrel CHECKED BY: JDL					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
27.5		oxidized rock fragments observed (platy). Casing hammer broke; open hole from 24 ft to 51 ft.					
30.0		A-4, SaSiGr, Rec. = 1.0 ft, dark gray with some brown, dense, silty fine to coarse SAND, little gravel, (SM), [Sample 7D]. Note: 2" gravel and fractured cobble in spoon.	41				
35.0		A-1-b, SaGr, Rec. = 1.42 ft, gray, wet, very dense, medium to fine SAND, trace fine gravel, (SP), [Sample 8D].	57				
40.0		A-1-b, SaSiGr, Rec. = 1.33 ft, gray with some oxidized spotting, wet, very dense, fine to coarse SAND, some silt, little coarse gravel, (SM), [Sample 9D]. Note: fractured cobble in sampler.	86				
45.0		A-1-b, SaSiGr, Rec. = 1.67 ft, gray brown, wet, very dense, fine SAND, some silt, little gravel, (SM), [Sample 10D - Top 10"].	46				
47.5		A-2-4, Sa, gray, wet, fine SAND, (SP), [Sample 10D - Bottom 10"].					
		A-1-b, SaGrSi, Rec. = 1.67 ft, dark gray and brown, wet, very dense, medium SAND, little gravel, little silt (SM), [Sample 11D - Top 14"].	67	14.2	25.0	59.0	16.0

ESTIMATED
PILE TIP
EL. 520.00'

		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION	BORING NUMBER: BB-WRB-101 SHEET 3 of 3 DATE STARTED: 6/24/13 DATE COMPLETED: 6/24/13				
PROJECT NAME: Randolph Bro 1444(57) TH 65 BR35 SITE NAME: Randolph, VT STATION: 100+48 OFFSET: 1.5 LT VTSPG:		PROJECT NUMBER: 123-87463 SITE NUMBER: TH 65 BR 35 GROUND ELEVATION: 577.0 ft GROUNDWATER DEPTH: 12.6 ft 6/24/13 PROJECT PIN NUMBER:					
BORING CREW: New Hampshire Boring CREW CHIEF: W. Hoeckle DRILLER: W. Hoeckle LOGGER: C. Stuart		BORING RIG: Diedrich D-50 Track BORING TYPE: Wash Bore SAMPLE TYPE: Split Barrel CHECKED BY: JDL					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
52.5		A-4, SaSiGr, dark gray and brown, wet, very dense, silty medium to coarse SAND, some gravel, (SM), [Sample 11D - Bottom 6"]. 51.0 ft, Drill bit plugging up, possible caving. End of exploration. Hole stopped @ 51.0 ft. Safe-T hydraulic winch 140 lb hammer used.					

PROJECT NAME: RANDOLPH
PROJECT NUMBER: BRO 1444(57)

FILE NAME: z11j078bor.dgn
PROJECT LEADER: J. BYATT
DESIGNED BY: N. CARON
BORING LOGS (1 OF 4)

PLOT DATE: 8/12/2014
DRAWN BY: M. SMITH
CHECKED BY: J. BYATT
SHEET 15 OF 39

