

T.H. 5 STA. 62+36, 13.1' LT.

STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
MATERIALS & RESEARCH SECTION  
SUBSURFACE INFORMATION

BORING NUMBER: B-101  
SHEET 1 of 1  
DATE STARTED: 3/27/09  
DATE COMPLETED: 3/27/09

PROJECT NAME: HYDE PARK  
SITE NAME: ROUNDABOUT  
STATION: 62+36  
OFFSET: -13.00  
VTSFG: N 764372.96 ft E 1610143.39 ft

PROJECT NUMBER: HES 030-2(23)  
SITE NUMBER: VT.100 VT.15 TH5  
GROUND ELEVATION: 702.03 ft  
GROUNDWATER DEPTH: 9.7 ft 3/27/09  
PROJECT PIN NUMBER: 08B126

BORING CREW  
CREW CHIEF: PORTER  
DRILLER: PORTER  
LOGGER: WERNER

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL  
CHECKED BY: CEE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
0		Asphalt Pavement, 0.0 ft - 0.3 ft	23	10.0	65.7	26.5	7.8
0.3		A-1-a, SaGr, brn, Wet, Rec. = 0.6 ft					
0.6		A-1-b, SiGrSa, brn, Wet, Rec. = 0.4 ft	21	14.5	34.3	43.1	22.6
1.0		A-4, SiSa, brn, Wet, Rec. = 1.2 ft	25	17.1	16.8	47.0	36.2
1.2		A-4, SaGrSi, gry, Wet, Rec. = 1.7 ft	17	21.8	23.9	22.0	54.1
1.7		A-1-b, GrSa, gry, Wet, Rec. = 1.1 ft	12	11.6	34.9	46.7	18.4
2.8		A-2-4, SiSa, brn-gry, Wet, Rec. = 1.4 ft	3	19.3	19.8	54.8	25.4
4.2		A-4, SiSa, gry, Wet, Rec. = 1.6 ft	4	36.1	2.4	49.7	47.9
5.8		A-4, GrSaSi, gry, Wet, Rec. = 0.9 ft	35	18.9	24.1	28.8	47.1
6.7		Gray, Phyllite, Competent, Moderately hard, Unweathered, BXMDC, 15.5 ft - 20.5 ft, Rec. = 4.9 ft	1	98	88	85	5
10.6		Hole stopped @ 20.5 ft					10
10.6							8
10.6							8
10.6							10

T.H. 5 STA. 62+56, 15.0' LT.

STATE OF VERMONT  
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MATERIALS & RESEARCH SECTION  
SUBSURFACE INFORMATION

BORING NUMBER: B-102  
SHEET 1 of 1  
DATE STARTED: 3/26/09  
DATE COMPLETED: 3/26/09

PROJECT NAME: HYDE PARK  
SITE NAME: ROUNDABOUT  
STATION: 62+56  
OFFSET: -15.00  
VTSFG: N 764393.58 ft E 1610145.18 ft

PROJECT NUMBER: HES 030-2(23)  
SITE NUMBER: VT.100 VT.15 TH5  
GROUND ELEVATION: 702.89 ft  
GROUNDWATER DEPTH: 14.0 ft 3/26/09  
PROJECT PIN NUMBER: 08B126

BORING CREW  
CREW CHIEF: PORTER  
DRILLER: PORTER  
LOGGER: WERNER

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER  
BORING TYPE: HOLLOW STEM AUGER  
SAMPLE TYPE: SPLIT BARREL  
CHECKED BY: CEE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
0		Asphalt Pavement, 0.0 ft - 0.4 ft	18	4.7	48.4	40.4	11.2
0.4		A-1-b, SaGr, brn, Moist, Rec. = 1.4 ft					
1.8		A-4, SiSa, brn, Moist, Rec. = 1.7 ft	15	25.9	5.6	50.7	43.7
3.5		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft	11	11.1	11.9	59.2	28.9
5.1		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft, Stone in sampler.	11	11.6	7.3	58.2	34.5
6.7		A-1-b, SiGrSa, brn, Moist, Rec. = 1.5 ft	18	8.9	34.9	43.5	21.6
8.2		A-1-b, SiGrSa, brn, MTW, Rec. = 1.1 ft	6	11.4	37.3	42.1	20.6
9.3		A-4, SiSa, gry, Wet, Rec. = 1.3 ft	3	23.0	11.7	45.7	42.6
10.6		A-4, SaSi, gry, Wet, Rec. = 2.0 ft	2	37.2	2.5	45.6	51.9
12.6		Field Note: Ledge or Boulder at 18.5 ft Hole stopped @ 18.5 ft					

VT ROUTE 15 STA. 95+88, 42.1' RT.

STATE OF VERMONT  
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MATERIALS & RESEARCH SECTION  
SUBSURFACE INFORMATION

BORING NUMBER: B-103  
SHEET 1 of 1  
DATE STARTED: 4/01/09  
DATE COMPLETED: 4/02/09

PROJECT NAME: HYDE PARK  
SITE NAME: ROUNDABOUT  
STATION: 0+65  
OFFSET: 0.00  
VTSFG: N 764460.16 ft E 1610120.58 ft

PROJECT NUMBER: HES 030-2(23)  
SITE NUMBER: VT.100 VT.15 TH5  
GROUND ELEVATION: 703.22 ft  
GROUNDWATER DEPTH: 13.7 ft 4/02/09  
PROJECT PIN NUMBER: 08B126

BORING CREW  
CREW CHIEF: PORTER  
DRILLER: PORTER  
LOGGER: WERNER

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL  
CHECKED BY: CEE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
0		Asphalt Pavement, 0.0 ft - 0.3 ft	28	7.8			
0.3		Visual Classification, Broken Asphalt Pavement with SaGr, brn, Moist, Rec. = 1.2 ft					
1.5		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	15	12.3	16.3	59.2	24.5
2.9		No Recovery. Appears to be Gravel, 4.0 ft - 6.0 ft	22				
4.3		A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft	12	13.9	30.0	39.7	30.3
5.1		Visual Classification, SiGrSa, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.	19				
5.4		No Recovery. Lost water at 10.0 ft, 10.0 ft - 12.0 ft	3				
6.7		A-4, SiSa, brn, Moist, Rec. = 1.0 ft	6	17.2	16.5	42.1	41.4
7.7		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	11	15.9	20.0	47.4	32.6
8.7		A-4, SiSa with sticks and roots, brn-gry, Moist, Rec. = 2.0 ft, Oder of burnt wood.	6	36.0	13.9	44.0	42.1
10.7		A-4, SaSi, gry, Moist, Rec. = 1.9 ft	12	20.1	0.0	38.8	61.2
12.6		A-4, GrSi, gry, Moist, Rec. = 1.0 ft	9	23.5	31.3	10.1	58.6
14.6		No Recovery. Rock in sampler. Appears to be silt, 22.0 ft - 23.7 ft	12				
16.5		Top of Bedrock @ 23.8 ft					
16.5		Gray, Phyllite, with some pyrite. Poor ROD (May be due to mechanical breakage during drilling). Moderately hard, Unweathered, BXMDC, 23.8 ft - 26.8 ft, Rec. = 2.5 ft	1	83	0	85	8
19.0		Gray, Phyllite, with some pyrite. Poor ROD (May be due to mechanical breakage during drilling). Moderately hard, Unweathered, BXMDC, 26.8 ft - 28.8 ft, Rec. = 2.0 ft	2	100	0	85	10
21.5		Hole stopped @ 28.8 ft					8

PROJECT NAME: HYDE PARK  
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08b126frm.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: MBL  
BORING LOG SHEET

PLOT DATE: 08-DEC-2010  
DRAWN BY: MBL  
CHECKED BY: JAD  
SHEET 77 OF 100

NOTE:  
BORING LOCATIONS CAN BE  
FOUND ON LAYOUT SHEET 2.