



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

BORING NUMBER: B-101  
 SHEET 1 of 1  
 DATE STARTED: 7/10/08  
 DATE COMPLETED: 7/11/08

PROJECT NAME: HARTFORD (WILDER)  
 SITE NAME: TH-29 & TH-81  
 STATION: 82+50  
 OFFSET: -15.00  
 VTSPG: N 427672.93 ft E 1691605.70 ft

PROJECT NUMBER: STP 1444(35)SC  
 SITE NUMBER: BR-38 & BR-36  
 GROUND ELEVATION: 414.7 ft  
 GROUNDWATER DEPTH: 39.6 ft 7/11/08  
 PROJECT PIN NUMBER: 96J070

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CCB

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
10		A-1-b, Sa, brn, Moist, Rec. = 0.7 ft	5	8.9	12.4	72.0	15.6
		A-1-b, Sa, brn, Moist, Rec. = 1.3 ft	5	12.6	6.0	85.9	8.1
		A-1-b, Sa, brn, Moist, Rec. = 1.5 ft	4	9.9	4.0	88.2	7.8
		A-1-b, Sa, brn-gry, Wet, Rec. = 1.4 ft	4	17.9	4.0	90.2	5.8
		A-2-4, SiSa, brn-gry, MTW, Rec. = 1.4 ft	7	19.7	0.5	74.7	24.8
		A-2-4, SiSa, gry-brn, MTW, Rec. = 1.2 ft	7	19.1	1.6	64.9	33.5
		A-2-4, SiSa, gry, MTW, Rec. = 1.5 ft	7	18.0	9.3	60.2	30.5
		A-2-4, Sa, brn-gry, MTW, Rec. = 1.4 ft	19	16.6	4.9	78.0	17.1
20		A-4, SaSi, brn, Moist, Rec. = 1.3 ft	12	20.1	7.0	46.3	46.7
		A-4, Si, brn, MTW, Rec. = 1.4 ft	16	27.2	0.0	7.6	92.4
		A-4, Si, brn, MTW, Rec. = 1.5 ft	22	27.9	3.1	6.9	90.0
30		A-4, SaSi, gry-brn, Moist, Rec. = 1.3 ft	25	20.9	0.0	36.9	63.1
		A-4, SaSi, brn, Moist, Rec. = 1.2 ft	31	23.2	0.9	29.9	69.2
		A-4, SaSi, brn, Moist, Rec. = 1.1 ft	25	22.8	0.0	31.5	68.5
		A-4, SaSi, brn, MTW, Rec. = 1.4 ft	11	27.8	0.0	47.8	52.2
50		A-4, SaSi, brn, MTW, Rec. = 1.6 ft	16	26.2	0.1	30.0	69.9
		A-2-4, SiSa, brn, MTW, Rec. = 1.4 ft	20	26.1	0.0	66.0	34.0
		Hole stopped @ 52.0 ft					

LOG OF BORING HARTFORD (WILDER) STP1444(35)SC.GPJ VT AOT.GDT 4/9/09



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BORING NUMBER: B-102  
 SHEET 1 of 1  
 DATE STARTED: 7/08/08  
 DATE COMPLETED: 7/10/08

PROJECT NAME: HARTFORD (WILDER)  
 SITE NAME: TH-29 & TH-81  
 STATION: 83+00  
 OFFSET: 15.00  
 VTSPG: N 427643.79 ft E 1691655.87 ft

PROJECT NUMBER: STP 1444(35)SC  
 SITE NUMBER: BR-38 & BR-36  
 GROUND ELEVATION: 414.06 ft  
 GROUNDWATER DEPTH: 41.1 ft 7/09/08  
 PROJECT PIN NUMBER: 96J070

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CCB

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-1-b, Sa, brn, Moist, Rec. = 0.5 ft	4	10.8	19.4	72.6	8.0
		A-2-4, SiSa, brn, Moist, Rec. = 0.2 ft	4	8.8	8.0	70.6	21.4
		Field Note: No recovery	7				
		A-2-4, SiSa, gry, MTW, Rec. = 0.3 ft	6	19.6	7.4	66.7	25.9
		A-2-4, Sa, gry, Wet, Rec. = 0.7 ft	2	25.7	6.6	79.1	14.3
10		A-2-4, Sa, gry, Wet, Rec. = 0.4 ft	9	22.8	1.8	83.7	14.5
		A-2-4, Sa, gry, Moist, Rec. = 1.1 ft	10	16.4	2.8	81.5	15.7
		A-4, SaSi, brn, Moist, Rec. = 1.3 ft	17	16.9	0.6	23.2	76.2
		A-4, Si, brn, Moist, Rec. = 1.5 ft	15	24.6	0.1	6.9	93.0
		A-4, Si, brn, Moist, Rec. = 1.4 ft	23	18.0	3.5	18.6	77.9
20		A-4, SaSi, brn, Moist, Rec. = 1.2 ft	21	18.3	1.6	22.8	75.6
		A-4, SaSi, brn, Moist, Rec. = 1.9 ft	20	18.2	0.0	27.4	72.6
30		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft	26	18.8	1.7	63.5	34.8
		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft, Mud drilling from 35 ft.	24	19.7	0.8	80.1	19.1
40		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft	26	21.4	0.3	82.6	17.1
		A-3, Sa, brn, Moist, Rec. = 2.0 ft	60	22.1	0.0	90.3	9.7
50		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft	21	23.8	0.0	87.3	12.7
		Hole stopped @ 52.0 ft					

LOG OF BORING HARTFORD (WILDER) STP1444(35)SC.GPJ VT\_AOT.GDT 4/9/09



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BORING NUMBER: B-103  
 SHEET 1 of 1  
 DATE STARTED: 7/15/08  
 DATE COMPLETED: 7/16/08

PROJECT NAME: HARTFORD (WILDER)  
 SITE NAME: TH-29 & TH-81  
 STATION: 31+18  
 OFFSET: 7.00  
 VTSPG: N 429203.95 ft E 1691660.54 ft

PROJECT NUMBER: STP 1444(35)SC  
 SITE NUMBER: BR-38 & BR-36  
 GROUND ELEVATION: 437.09 ft  
 GROUNDWATER DEPTH: NO WATER TO DEPTH  
 PROJECT PIN NUMBER: 96J070

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CCB

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt pavement, 0.0 ft - 0.1 ft					
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft	18	3.1	35.1	55.0	9.9
		A-1-b, GrSa, brn, MTW, Rec. = 1.1 ft	9	13.0	28.8	56.4	14.8
		A-1-b, GrSa, brn, MTW, Rec. = 0.9 ft	8	11.2	36.5	51.7	11.8
		A-1-b, GrSa, brn, MTW, Rec. = 0.4 ft	6	13.7	35.7	47.7	16.6
10		Visual Classification, A-1-b, GrSa, brn, MTW, Rec. = 0.1 ft, Insufficient sample for testing.	5				
		A-2-4, GrSiSa, brn, MTW, Rec. = 0.5 ft	5	23.7	21.8	44.4	33.8
		A-4, Si, brn, MTW, Rec. = 1.1 ft	5	25.2	6.0	18.7	75.3
		A-4, SaSi, brn, Moist, Rec. = 1.2 ft	8	21.7	18.3	35.6	46.1
		A-1-b, SaGr, brn, Moist, Rec. = 0.9 ft	16	11.4	45.7	44.0	10.3
20		A-1-b, GrSa, gry, MTW, Rec. = 1.1 ft	9	14.0	28.8	65.1	6.1
		A-1-b, Sa, gry, MTW, Rec. = 1.0 ft	12	16.7	15.2	77.6	7.2
30		A-2-4, GrSiSa, gry, Wet, Rec. = 1.3 ft	10	26.8	23.5	49.3	27.2
		A-4, Si, brn, MTW, Rec. = 1.7 ft	17	31.5	1.2	14.7	84.1
40		A-4, SiSa, brn, Moist, Rec. = 1.2 ft	27	20.6	1.0	49.8	49.2
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	23	22.7	1.2	74.7	24.1
50		A-2-4, Sa, brn, Moist, Rec. = 1.3 ft	22	20.8	0.2	85.4	14.4
		Hole stopped @ 52.0 ft					

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BORING NUMBER: B-104  
 SHEET 1 of 1  
 DATE STARTED: 7/17/08  
 DATE COMPLETED: 7/18/08

PROJECT NAME: HARTFORD (WILDER)  
 SITE NAME: TH-29 & TH-81  
 STATION: 30+15  
 OFFSET: 4.50  
 VTSPG: N 429206.82 ft E 1691558.18 ft

PROJECT NUMBER: STP 1444(35)SC  
 SITE NUMBER: BR-38 & BR-36  
 GROUND ELEVATION: 436.55 ft  
 GROUNDWATER DEPTH: 25.9 ft 7/18/08  
 PROJECT PIN NUMBER: 96J070

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CCB

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt pavement, 0.0 ft - 0.25 ft					
		A-1-a, SaGr, brn-gry, Moist, Rec. = 1.3 ft	22	2.1	56.7	33.9	9.4
		A-4, SiSa, brn, Moist, Rec. = 1.4 ft	7	15.4	11.7	47.1	41.2
		A-1-b, GrSiSa, brn, MTW, Rec. = 1.3 ft	6	18.5	20.1	57.9	22.0
		A-1-b, SiGrSa, brn, MTW, Rec. = 1.1 ft	7	15.9	25.7	53.0	21.3
10		A-4, SaSi, brn, Moist, Rec. = 0.7 ft	10	20.0	17.0	33.3	49.7
		Visual Classification, A-4, Si, brn, MTW, Rec. = 0.2 ft, Insufficient sample for testing.	5	14.8			
		A-1-b, GrSa, gry, MTW, Rec. = 1.0 ft	14	12.7	32.9	56.8	10.3
		A-1-b, Sa, gry, MTW, Rec. = 1.3 ft	11	16.2	12.2	78.8	9.0
		A-1-b, GrSa, gry, MTW, Rec. = 0.9 ft	12	14.1	28.7	63.1	8.2
20		A-1-b, GrSa, gry, MTW, Rec. = 1.2 ft	11	14.5	28.4	64.8	6.8
		A-3, Sa, brn, Moist, Rec. = 1.6 ft	6	18.1	0.8	93.9	5.3
30		A-4, Si, gry, MTW, Rec. = 1.7 ft	15	28.4	0.2	19.3	80.5
		A-4, Si, gry, MTW, Rec. = 1.9 ft	21	30.1	1.1	2.0	96.9
40		A-4, Si, gry, MTW, Rec. = 1.6 ft	21	29.8	0.9	4.2	94.9
		A-4, Si, gry, MTW, Rec. = 1.5 ft	19	29.6	0.0	15.3	84.7
50		A-4, Si, gry, Moist, Rec. = 1.4 ft	16	28.7	0.0	3.1	96.9
		Hole stopped @ 52.0 ft					

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