



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

BORING NUMBER: B-101
 SHEET 1 of 1
 DATE STARTED: 2/26/09
 DATE COMPLETED: 2/27/09

PROJECT NAME: HARTFORD
 SITE NAME: INFILTRATION TEST
 STATION: 24+66
 OFFSET: -45.80
 VTSPG: N 418960.51 ft E 1684325.48 ft

PROJECT NUMBER: STP 0113(59)S
 SITE NUMBER: US-5
 GROUND ELEVATION:
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 98C026

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

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		A-2-4, SiSa, brn, Moist, Rec. = 1.9 ft	13	35.4	15.1	50.4	34.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft	11	14.4	18.8	49.2	32.0
		A-4, SiSa, brn, Moist, Rec. = 1.7 ft	15	17.5	16.4	42.1	41.5
		A-2-4, SaSiGr, gry, Moist, Rec. = 1.1 ft, Hole B-101 was stopped at 8 ft.	21	12.6	41.5	24.2	34.3
		Visual Classification, SaSiGr Insufficient sample for testing, gry, Moist, Rec. = 0.2 ft, Sample was taken at B-101A that was about 5 ft. from B-101.	12				
10		Hole stopped @ 10.0 ft					
15		DRILLER'S NOTES: 1. No ledge to depth.					
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LOG OF BORING HARTFORD STP 0113(59)S.GPJ VT AOT.GDT 3/23/09



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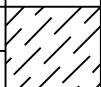



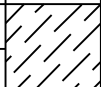
BORING NUMBER: B-102
 SHEET 1 of 1
 DATE STARTED: 2/27/09
 DATE COMPLETED: 3/02/09

PROJECT NAME: HARTFORD
 SITE NAME: INFILTRATION TEST
 STATION: 24+27
 OFFSET: -51.00
 VTSPG: N 418925.57 ft E 1684301.47 ft

PROJECT NUMBER: STP 0113(59)S
 SITE NUMBER: US-5
 GROUND ELEVATION:
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 98C026

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

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, SiSa, brn, Moist, Rec. = 1.8 ft	15	16.2	13.8	43.9	42.3
		A-4, GrSaSi, brn, MTW, Rec. = 0.5 ft	61	14.3	24.4	34.7	40.9
5		A-1-b, Gr, gry-brn, Moist, Rec. = 0.9 ft	29	5.2	64.4	19.8	15.8
		A-1-b, Gr, gry, Moist, Rec. = 0.8 ft	25	3.6	70.3	12.7	17.0
10		A-4, SaSi, brn-gry, MTW, Rec. = 1.1 ft	5	26.7	15.9	20.7	63.4
		Hole stopped @ 13.0 ft					
15		DRILLER'S NOTES: 1. No ledge to depth 2. Two inch stone was found from 2 ft to 9 ft in auger cuttings. Stone extends to 11.0 ft.					
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LOG OF BORING HARTFORD STP 0113(59)S.GPJ VT_AOT.GDT 3/23/09



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BORING NUMBER: B-103
 SHEET 1 of 1
 DATE STARTED: 3/02/09
 DATE COMPLETED: 3/05/09

PROJECT NAME: HARTFORD
 SITE NAME: INFILTRATION TEST
 STATION: 24+14
 OFFSET: -82.70
 VTSPG: N 418927.20 ft E 1684266.24 ft

PROJECT NUMBER: STP 0113(59)S
 SITE NUMBER: US-5
 GROUND ELEVATION:
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 98C026

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

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		A-4, SiSa, brn-gry, Moist, Rec. = 1.4 ft	13	16.3	10.7	45.8	43.5
		A-2-4, GrSiSa, brn, MTW, Rec. = 1.3 ft	4	14.7	25.0	44.4	30.6
		A-1-a, SaGr, brn, MTW, Rec. = 0.9 ft	56	6.4	64.2	20.4	15.4
		A-2-4, SaSiGr, brn, MTW, Rec. = 1.3 ft	44	16.4	47.6	20.5	31.9
10		Hole stopped @ 9.0 ft					
		DRILLER'S NOTES: 1. No ledge to depth.					
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LOG OF BORING HARTFORD STP 0113(59)S.GPJ VT_ADT.GDT 3/23/09



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BORING NUMBER: B-104
 SHEET 1 of 1
 DATE STARTED: 3/04/09
 DATE COMPLETED: 3/06/09

PROJECT NAME: HARTFORD
 SITE NAME: INFILTRATION TEST
 STATION: 23+73
 OFFSET: -80.40
 VTSPG: N 418889.51 ft E 1684249.39 ft

PROJECT NUMBER: STP 0113(59)S
 SITE NUMBER: US-5
 GROUND ELEVATION:
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 98C026

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

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5	[Hatched Pattern]	A-4, SaSi, brn, Moist, Rec. = 1.1 ft	12	20.1	12.9	31.6	55.5
		A-4, GrSaSi, brn, Moist, Rec. = 1.5 ft	9	17.0	22.0	32.3	45.7
		A-4, Si, gry, Moist, Rec. = 1.6 ft	11	18.5	18.0	15.8	66.2
		A-4, SaSi, gry, Moist, Rec. = 1.6 ft	10	23.0	15.4	24.1	60.5
		A-4, GrSi, gry, Wet, Rec. = 1.2 ft	9	32.8	22.5	18.2	59.3
10		Hole stopped @ 11.0 ft					
15		DRILLER'S NOTES: 1. No ledge to depth.					
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LOG OF BORING HARTFORD STP 0113(59)S.GPJ VT_AOT.GDT 3/23/09



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BORING NUMBER: B-105
 SHEET 1 of 1
 DATE STARTED: 3/04/09
 DATE COMPLETED: 3/05/09

PROJECT NAME: HARTFORD
 SITE NAME: INFILTRATION TEST
 STATION: 23+70
 OFFSET: -58.80
 VTSPG: N 418877.16 ft E 1684268.15 ft

PROJECT NUMBER: STP 0113(59)S
 SITE NUMBER: US-5
 GROUND ELEVATION:
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 98C026

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

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		A-4, SaSi, gry, Moist, Rec. = 1.6 ft	5	23.9	7.8	33.5	58.7
		A-2-4, SiSa, brn, Moist, Rec. = 1.7 ft	12	15.8	19.5	47.1	33.4
		A-4, SaSi, brn, Moist, Rec. = 1.7 ft	8	22.2	7.5	34.2	58.3
		Visual Classification, SaSiGr, brn, Moist, Rec. = 0.6 ft, Insufficient sample for testing.	7				
		Visual Classification, SaSiGr, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.					
10		Hole stopped @ 11.0 ft					
15		DRILLER'S NOTES: 1. Stone material from 6 ft to 11 ft. Possible fill material. 2. No ledge to depth.					
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LOG OF BORING HARTFORD STP 0113(59)S.GPJ VT_AOT.GDT 3/23/09