



QS
4708 N Barker RD
Spokane Valley, WA 99027
Telephone: 509-892-9409

BORING NUMBER BH-201

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/24/16 COMPLETED 5/24/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.938137 LONGITUDE -71.679826
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY S. Kearney CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location ∇ AT TIME OF DRILLING 8.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTH PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHP1THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
	GB 1			SM		FILL: SILTY SAND WITH GRAVEL (SM), brown, moist, loose, fine to coarse grained gravel, fine to coarse grained sand, subangular
5	SPT 2	39	2-3-1 (4)	ML		ORGANIC DEPOSITS: SILT (ML), trace organics, dark brown, moist, firm
				SP		STREAM TERRACE DEPOSITS: POORLY GRADED SAND (SP), trace gravel, grayish brown, wet, medium dense, coarse grained gravel, fine to medium grained sand, subrounded
10	SPT 3	72	9-13-9 (22)	SP		
15	SPT 4	78	13-13-11 (24)	SP		-gravel content decreases
15.5						

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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CLIENT PAR Electrical Contractors
PROJECT NUMBER 16004
DATE STARTED 5/24/16 **COMPLETED** 5/24/16
DRILLING CONTRACTOR SW Cole
DRILLING METHOD Hollow Stem Auger
LOGGED BY S. Kearney **CHECKED BY** S. Kearney
NOTES drilled at stake location

PROJECT NAME Northern Pass
PROJECT LOCATION Thornton, NH
GROUND ELEVATION NA **HOLE SIZE** 6 in
LATITUDE 43.936396 **LONGITUDE** -71.681493
DRILLING EQUIPMENT Diedrich D50 **SPT HAMMER** 140 lb Auto
GROUND WATER LEVEL:
 ∇ **AT TIME OF DRILLING** 12.3ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\ILGSCHWIND\DESKTOP\PROJECTS\NORTHERN PASS\NINORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NINPTHR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
	GB 1			SM		FILL: SILTY SAND WITH GRAVEL (SM), dark brown, loose, medium grained gravel, fine to coarse grained sand, subrounded, trace plastic
5	SPT 2	33	2-2-3 (5)	SM		-with trace organics, moist
				SM		ALLUVIUM: SILTY SAND (SM), grayish brown, wet, very loose, fine to medium grained, micaceous
10	SPT 3	83	0-0-3 (3)			-gravel layer
				SP		ALLUVIUM: POORLY GRADED SAND WITH GRAVEL (SP), grayish brown, wet, medium dense, fine to coarse grained gravel, medium to coarse grained sand, subrounded
15	SPT 4	78	10-11-10 (21)	SP		

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-204

CLIENT PAR Electrical Contractors
PROJECT NUMBER 16004
DATE STARTED 5/23/16 **COMPLETED** 5/23/16
DRILLING CONTRACTOR SW Cole
DRILLING METHOD Hollow Stem Auger
LOGGED BY S. Kearney **CHECKED BY** S. Kearney
NOTES drilled at stake location

PROJECT NAME Northern Pass
PROJECT LOCATION Thornton, NH
GROUND ELEVATION NA **HOLE SIZE** 6 in
LATITUDE 43.930101 **LONGITUDE** -71.685076
DRILLING EQUIPMENT Diedrich D50 **SPT HAMMER** 140 lb Auto
GROUND WATER LEVEL:
∇ **AT TIME OF DRILLING** 6.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NHNORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NHNHP\THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
	GB 1			SM		FILL: SILTY SAND WITH GRAVEL (SM), brown, moist, loose, coarse grained gravel, fine to medium grained sand, subrounded
5	SPT 2	56	15-10-6 (16)	SP		STREAM TERRACE DEPOSITS: POORLY GRADED SAND WITH GRAVEL (SP), brown and white, moist, medium dense, fine to coarse grained gravel, fine to coarse grained sand, subrounded
				SM		∇ STREAM TERRACE DEPOSITS: SILTY SAND (SM), grayish brown, wet, medium dense, fine to medium grained, wet, 1 inch coarse sand lens
10	SPT 3	78	3-5-7 (12)	ML		STREAM TERRACE DEPOSITS: SANDY SILT (ML), olive brown, wet, stiff, fine grained sand, stratified, iron oxide staining
				SM		STREAM TERRACE DEPOSITS: SILTY SAND (SM), olive brown, wet, medium dense, fine grained, coarse sand and gravel in bottom 3 inches
15	SPT 4	72	4-9-20 (29)			

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-205

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CLIENT PAR Electrical Contractors
 PROJECT NUMBER 16004
 DATE STARTED 8/31/16 COMPLETED 8/31/16
 DRILLING CONTRACTOR SW Cole
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY J. Melton CHECKED BY S. Kearney
 NOTES _____

PROJECT NAME Northern Pass
 PROJECT LOCATION Thornton, NH
 GROUND ELEVATION NA HOLE SIZE 6 in
 LATITUDE 43.92721 LONGITUDE -71.685553
 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 GROUND WATER LEVEL:
 ∇ AT TIME OF DRILLING 14.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPHTR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				SM		FILL: SILTY SAND WITH GRAVEL (SM), trace asphalt, trace organics, dusky brown, damp, very fine to fine grained, medium to very coarse grained gravel, angular to subangular
				SP		STREAM TERRACE DEPOSITS: POORLY GRADED SAND WITH GRAVEL (SP), very pale orange, dry, medium dense, fine to coarse grained gravel, angular to subangular, iron oxide staining
5					2.0	
	SPT 1	72	10-12-9 (21)	SP		
				SP		
10						
	SPT 2	89	8-8-8 (16)	SP		-becomes moist
				ML		
				ML		STREAM TERRACE DEPOSITS: SANDY SILT (ML), light olive gray, wet, medium dense, low plasticity, very fine grained, minor zones of oxidation
15						
	SPT 3	100	2-4-14 (18)	ML		
					12.5	
						∇
					16.5	

Bottom of borehole at 16.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-206

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Thornton, NH
DATE STARTED 5/23/16	COMPLETED 5/23/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY S. Kearney	LATITUDE 43.924391
CHECKED BY S. Kearney	LONGITUDE -71.685804
NOTES drilled at stake location	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	∇ AT TIME OF DRILLING 12.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\LGSC\HWINDESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPHTR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
	GB 1			SM		FILL: SILTY SAND (SM), trace gravel, trace organics, brown, moist, fine to medium grained
5	SPT 2	56	1-1-1 (2)	SM		-becomes very loose, light brown, no gravel or organics
10	SPT 3	67	3-2-2 (4)	SM		ORGANIC DEPOSITS: SILTY SAND (SM), trace gravel, trace organics, dark brown, wet, loose
15	SPT 4	89	1-1-2 (3)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), brown, wet, very loose, fine to medium grained
15.5						∇

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-208

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CLIENT PAR Electrical Contractors
PROJECT NUMBER 16004
DATE STARTED 5/23/16 **COMPLETED** 5/23/16
DRILLING CONTRACTOR SW Cole
DRILLING METHOD Hollow Stem Auger
LOGGED BY S. Kearney **CHECKED BY** S. Kearney
NOTES drilled at stake location

PROJECT NAME Northern Pass
PROJECT LOCATION Thornton, NH
GROUND ELEVATION NA **HOLE SIZE** 6 in
LATITUDE 43.919277 **LONGITUDE** -71.685079
DRILLING EQUIPMENT Diedrich D50 **SPT HAMMER** 140 lb Auto
GROUND WATER LEVEL:
 ∇ **AT TIME OF DRILLING** 13.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHP1THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
	GB 1			SM		ALLUVIUM: SILTY SAND (SM), trace organics, brown, moist, loose, fine to medium grained
5	SPT 2	89	6-7-7 (14)	SM		-becomes medium dense, light brown, no organics, medium to coarse grained, wet
				SP-SM		7.5
10	SPT 3	78	4-5-2 (7)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), light brown, moist, loose, medium to coarse grained
15	SPT 4	78	5-6-9 (15)	SP-SM		-becomes medium dense, wet
						15.5

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-209

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CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Thornton, NH
DATE STARTED 6/24/16	COMPLETED 6/24/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY J. Melton	LATITUDE 43.916247
CHECKED BY S. Kearney	LONGITUDE -71.685027
NOTES	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	∇ AT TIME OF DRILLING 13.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:53 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHP\THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
4.0				GM		FILL: GRAVEL (GM), with sand, with silt, trace organics, dusky yellowish brown, dry to damp, loose, very fine to fine grained, medium to coarse grained gravel, subangular
5	SPT 1	72	2-1-1 (2)	SP		ALLUVIUM: POORLY GRADED SAND (SP), dark yellowish brown and light brown, damp, very loose, fine grained
7.5				GM		ALLUVIUM: SILTY GRAVEL WITH SAND (GM), moderate brown, wet, dense, very fine to fine grained, medium to coarse grained gravel, subangular
10	SPT 2	67	14-20-15 (35)			
15	SPT 3	83	16-24-19 (43)	GM		-becomes moderate yellowish brown and light brown, angular to subangular gravel
15.5						

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-211

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CLIENT PAR Electrical Contractors
 PROJECT NUMBER 16004
 DATE STARTED 6/24/16 COMPLETED 6/24/16
 DRILLING CONTRACTOR SW Cole
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY J. Melton CHECKED BY S. Kearney
 NOTES _____

PROJECT NAME Northern Pass
 PROJECT LOCATION Thornton, NH
 GROUND ELEVATION NA HOLE SIZE 4 in
 LATITUDE 43.909037 LONGITUDE -71.684513
 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 GROUND WATER LEVEL:
 ∇ AT TIME OF DRILLING 13.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHEN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHP\THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				GM		FILL: GRAVEL (GM), with sand, with silt, dark yellowish brown, dry, loose
				SM		ALLUVIUM: SILTY SAND (SM), yellowish gray to pale yellowish brown, damp to moist, very loose, fine grained
5	SPT 1	78	1-2-1 (3)	SM		
				CL		ALLUVIUM: SILTY CLAY (CL), trace sand, pale yellowish brown, moist, very stiff, low plasticity, fine grained sand
10	SPT 2	72	11-12-12 (24)	CL		
				CL		-becomes stiff, wet, with minor zones of oxidation
15	SPT 3	100	3-3-6 (9)	CL		

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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CLIENT PAR Electrical Contractors
PROJECT NUMBER 16004
DATE STARTED 6/23/16 **COMPLETED** 6/23/16
DRILLING CONTRACTOR SW Cole
DRILLING METHOD Hollow Stem Auger/Mud Rotary
LOGGED BY J. Melton **CHECKED BY** S. Kearney
NOTES

PROJECT NAME Northern Pass
PROJECT LOCATION Thornton, NH
GROUND ELEVATION NA **HOLE SIZE** 4 in
LATITUDE 43.903706 **LONGITUDE** -71.682422
DRILLING EQUIPMENT Diedrich D50 **SPT HAMMER** 140 lb Auto
GROUND WATER LEVEL:
 ∇ **AT TIME OF DRILLING** 10.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPHTR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
4.0				GM		FILL: GRAVEL (GM), with sand, with silt, trace organics, dark yellowish brown, dry, loose
5.0	SPT 1	50	2-1-1 (2)	SP		ALLUVIUM: POORLY GRADED SAND (SP), moderate yellowish brown, moist, medium dense, fine grained
8.0				OL		ALLUVIUM: ORGANIC SILT (OL), with clay, with organics, grayish brown, moist, soft, very fine grained
10.0	SPT 2	89	14-19-11 (30)	CL		ALLUVIUM: SILTY CLAY (CL), trace organics, moderate yellowish brown, damp, very stiff, low plasticity, very fine grained
13.0						∇
15.5	SPT 3	56	20-13-14 (27)	GM		ALLUVIUM: SILTY GRAVEL WITH SAND (GM), dusky yellow to yellowish gray, wet, medium dense, very fine to fine grained, medium to coarse grained gravel, angular, with lenses of silty clay

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-213

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Thornton, NH
DATE STARTED 5/23/16	COMPLETED 5/23/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY S. Kearney	LATITUDE 43.901083
CHECKED BY S. Kearney	LONGITUDE -71.682271
NOTES	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	∇ AT TIME OF DRILLING 13.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPHTR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
	GB 1			SM		FILL: SILTY SAND (SM), brown, moist, loose, fine to medium grained
5	SPT 2	72	3-4-5 (9)	SM		ALLUVIUM: SILTY SAND (SM), gray, moist, loose, fine grained, thinly bedded, micaceous
						-becomes highly oxidized
10	SPT 3	78	5-7-7 (14)	ML		ALLUVIUM: SILT (ML), gray, moist, stiff, non plastic
15	SPT 4		3-3-4 (7)	ML		-becomes medium stiff, wet, 1 inch lens of coarse sand at bottom

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-214

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/23/16 COMPLETED 5/23/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.898609 LONGITUDE -71.681551
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY S. Kearney CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/4/16 14:15 - C:\USERS\LGSC\HWIN\IDESTOP\SW-GW.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
0.5			SC		ALLUVIUM: CLAYEY SAND (SC)
5	GB 1	4-5-5 (10)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), brown, moist, loose, medium grained
5	SPT 2	4-5-5 (10)	SP-SM		-becomes medium dense, medium to coarse grained
10	SPT 3	3-4-4 (8)	SP-SM		-becomes loose, with trace fine grained gravel, wet
15	SPT 4	5-5-5 (10)	SP-SM		-becomes medium dense, fine to medium grained sand, moist, silt content increases

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-215

CLIENT PAR Electrical Contractors
 PROJECT NUMBER 16004
 DATE STARTED 5/27/16 COMPLETED 5/27/16
 DRILLING CONTRACTOR SW Cole
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY J. Melton CHECKED BY S. Kearney
 NOTES _____

PROJECT NAME Northern Pass
 PROJECT LOCATION Thornton, NH
 GROUND ELEVATION NA HOLE SIZE 6 in
 LATITUDE 43.896297 LONGITUDE -71.67951
 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 GROUND WATER LEVEL:
 ∇ AT TIME OF DRILLING 12.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\ILGSCHWIND\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPTRH.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	67	7-11-10 (21)	SM		ALLUVIUM: SILTY SAND (SM), pale yellowish brown, moist, medium dense, very fine to fine grained, micaceous
10	SPT 2	0	50/2"	SM		with minor traces of poorly graded sand, boulder from 9 to 11 ft
15	SPT 3	50	21-17-16 (33)	GM		ALLUVIUM: SILTY GRAVEL WITH SAND (GM), light brown to dusky brown, wet, dense, very fine to fine grained, coarse grained gravel, angular, with gravelly sand and silty sand

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-217

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.892134 LONGITUDE -71.675054
 DRILLING METHOD HSA/Wireline Coring / NQ Size/Series 8 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 14:52 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHP\THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	78	8-41-37 (78)	SM		STREAM TERRACE DEPOSITS: SILTY SAND (SM), and boulders, brown, moist, dense, very fine to fine grained, iron oxide staining, granitic boulders -becomes very dense, cobbles influencing blow counts
8.5						
10	SPT 2	100	50/1"			-felsic rock powder, high percentage of mica
10	RC 1	100 (46)				BEDROCK: Fresh (I) to slightly weathered, very light gray and gray, strong (R4), GNEISS, high percentage of mica, zone of coarse mica mineralization at 14.6'-15'
10	RC 2	100 (100)				
15						

Bottom of borehole at 15.0 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-218

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.889664 LONGITUDE -71.673882
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\ILGSCHWIND\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHP1THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				SM		FILL: SILTY SAND (SM), trace gravel, dark brown, moist, fine to medium grained, fine grained gravel
				SM		ALLUVIUM: SILTY SAND (SM), brown, moist, very loose, fine grained, highly oxidized zones throughout sample
5	SPT 1	100	1-1-2 (3)			
				SP		ALLUVIUM: POORLY GRADED SAND (SP), yellowish brown, moist, loose, fine grained, micaceous
10	SPT 2	89	4-4-4 (8)			
				SW		ALLUVIUM: WELL GRADED SAND WITH GRAVEL (SW), pale yellowish brown to light brown, moist, loose, fine to coarse grained gravel, fine grained sand, subangular
15	SPT 3	89	3-2-3 (5)			

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-219

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/26/16 COMPLETED 5/26/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.88725 LONGITUDE -71.672328
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\ILGSCHWIND\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON, NH\NHP1THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: (SM), brown, moist, loose
			SP-SM		2.0 ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), pale yellowish brown and light brown, moist, loose, fine to medium grained
5	SPT 1	3-3-4 (7)			
			SP-SM		-becomes medium dense
10	SPT 2	3-5-6 (11)			
			SP-SM		
15	SPT 3	5-7-7 (14)			
			SP-SM		
				15.5	

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-220

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/26/16 COMPLETED 5/26/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.884959 LONGITUDE -71.671032
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON, NH\NHP1THOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: SILTY SAND (SM), brown, moist, loose, fine to medium grained
			SP		STREAM TERRACE DEPOSITS: POORLY GRADED SAND WITH GRAVEL (SP), light brown, moist, medium dense, coarse grained gravel, fine grained sand, subangular
5	SPT 1	8-7-8 (15)			
			SP		-becomes light brown and pale brown, without gravel
10	SPT 2	5-5-6 (11)			
			SW		STREAM TERRACE DEPOSITS: WELL GRADED SAND WITH GRAVEL (SW), pale yellowish brown, moist, medium dense, fine grained, fine grained gravel, subrounded
15	SPT 3	5-7-8 (15)			

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-221

CLIENT PAR Electrical Contractors **PROJECT NAME** Northern Pass
PROJECT NUMBER 16004 **PROJECT LOCATION** Thornton, NH
DATE STARTED 5/26/16 **COMPLETED** 5/26/16 **GROUND ELEVATION** NA **HOLE SIZE** 6 in
DRILLING CONTRACTOR SW Cole **LATITUDE** 43.882332 **LONGITUDE** -71.669309
DRILLING METHOD Hollow Stem Auger **DRILLING EQUIPMENT** Diedrich D50 **SPT HAMMER** 140 lb Auto
LOGGED BY J. Melton **CHECKED BY** S. Kearney **GROUND WATER LEVEL:**
NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPH0R.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	5-7-6 (13)	ML		ALLUVIUM: SANDY SILT (ML), pale yellowish brown, moist, stiff, very fine to fine grained, iron oxide staining
9.0					-becomes very stiff
10	SPT 2	20-42-13 (55)	SP-SM		STREAM TERRACE DEPOSITS: POORLY GRADED SAND WITH SILT (SP-SM), yellowish orange, moist, very dense, fine grained, contact with schistose boulder/cobble in SPT sample
15	SPT 3	8-11-13 (24)	SP-SM		-becomes medium dense
15.5					

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-223

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.878023 LONGITUDE -71.665063
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/4/16 12:05 - C:\USERS\LGSC\HWIN\DESKTOP\ISW-GW.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	100	4-5-5 (10)	SP		STREAM TERRACE DEPOSITS: POORLY GRADED SAND WITH GRAVEL (SP), light brown, moist, loose, fine to coarse grained gravel, fine to coarse grained sand
10	SPT 2	78	4-6-7 (13)	SP		-becomes medium dense
15	SPT 3	89	8-7-8 (15)	SP-SM		13.5 15.5

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-224

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Thornton, NH
 DATE STARTED 5/26/16 COMPLETED 5/26/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.875793 LONGITUDE -71.662815
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/4/16 12:05 - C:\USERS\ILGSCHWIN\DESKTOP\SW-GW.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	4-4-5 (9)	SP		ALLUVIUM: POORLY GRADED SAND WITH GRAVEL (SP), dark yellowish orange, moist, loose, fine grained gravel, fine grained sand
10	SPT 2	50/0"	SP		-becomes light brown to dark yellowish orange, medium dense, with subangular gravel
13.0					
15	SPT 3	6-6-7 (13)	SM		-cobbles within a poorly graded sand matrix at 9 ft
15.5					ALLUVIUM: SILTY SAND (SM), pale yellowish brown to yellowish gray, moist, medium dense, very fine to fine grained, laminated

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-225

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CLIENT PAR Electrical Contractors
PROJECT NUMBER 16004
DATE STARTED 5/26/16 **COMPLETED** 5/26/16
DRILLING CONTRACTOR SW Cole
DRILLING METHOD Hollow Stem Auger
LOGGED BY J. Melton **CHECKED BY** S. Kearney
NOTES drilled at stake location

PROJECT NAME Northern Pass
PROJECT LOCATION Thornton, NH
GROUND ELEVATION NA **HOLE SIZE** 6 in
LATITUDE 43.873466 **LONGITUDE** -71.663005
DRILLING EQUIPMENT Diedrich D50 **SPT HAMMER** 140 lb Auto
GROUND WATER LEVEL:
 ▽ **AT TIME OF DRILLING** 8.5ft

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DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: SILTY SAND (SM), brown, moist, loose, fine to medium grained
			SM		2.0 ALLUVIUM: SILTY SAND (SM), light brown to dark yellowish orange, moist, loose, fine grained, lenses of silt throughout
5	SPT 1	2-2-3 (5)			
			SM		10.0 ▽
10	SPT 2	5-7-8 (15)			
			SP		ALLUVIUM: POORLY GRADED SAND (SP), yellowish brown, wet, medium dense, fine grained
			SW		13.5
15	SPT 3	5-7-20 (27)			
					15.5

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-226

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Thornton, NH
DATE STARTED 5/26/16	COMPLETED 5/26/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY J. Melton	LATITUDE 43.871339
CHECKED BY S. Kearney	LONGITUDE -71.665427
NOTES drilled at stake location	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	∇ AT TIME OF DRILLING 8.5ft

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DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: SILTY SAND (SM), trace gravel, brown, moist, loose, fine to medium grained, fine grained gravel
			SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), yellowish brown to light brown, moist, medium dense, fine grained
5	SPT 1	5-5-7 (12)			
			SP-SM		-becomes very loose, wet
10	SPT 2	0-0-0 (0)			
			SP-SM		-becomes medium dense, with granitic gravels
15	SPT 3	7-12-14 (26)			

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-227

PAGE 1 OF 1

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Thornton, NH
DATE STARTED 5/26/16	COMPLETED 5/26/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY J. Melton	LATITUDE 43.869198
CHECKED BY S. Kearney	LONGITUDE -71.667818
NOTES	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	∇ AT TIME OF DRILLING 13.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\ILGSCHWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTH NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPHTR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: SILTY SAND WITH GRAVEL (SM)
			SP		ALLUVIUM: POORLY GRADED SAND WITH GRAVEL (SP), yellowish brown to light brown, moist, loose, fine grained gravel, fine grained sand, angular
5	SPT 1	2-3-2 (5)			
			SP		
10	SPT 2	4-4-4 (8)			
			SM		
					13.0 ∇ ALLUVIUM: SILTY SAND (SM), brown, wet, very loose, fine grained, iron oxide staining
15	SPT 3	1-0-0 (0)			
					15.5

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-228

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CLIENT PAR Electrical Contractors
PROJECT NUMBER 16004
DATE STARTED 6/23/16 **COMPLETED** 6/23/16
DRILLING CONTRACTOR SW Cole
DRILLING METHOD Hollow Stem Auger
LOGGED BY J. Melton **CHECKED BY** S. Kearney

PROJECT NAME Northern Pass
PROJECT LOCATION Campton, NH
GROUND ELEVATION NA **HOLE SIZE** 6 in
LATITUDE 43.865996 **LONGITUDE** -71.668644
DRILLING EQUIPMENT Diedrich D50 **SPT HAMMER** 140 lb Auto
GROUND WATER LEVEL:

NOTES

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/4/16 12:05 - C:\USERS\ILGSCHWIN\DESKTOP\ISW-GW.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				GM		FILL: GRAVEL (GM), with sand, with silt, trace organics, dark yellowish brown, dry, loose, medium to coarse grained gravel, angular
				SM		ALLUVIUM: SILTY SAND WITH GRAVEL (SM), pale yellowish orange and light brown, dry, medium dense, fine grained, fine grained gravel, subangular
5	SPT 1	89	8-12-13 (25)			
				SM		-becomes loose, moist
10	SPT 2	83	4-4-5 (9)			
				SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), moderate yellowish brown and pale yellowish brown, moist, medium dense, fine grained
15	SPT 3	100	6-8-11 (19)			

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-229

CLIENT PAR Electrical Contractors
 PROJECT NUMBER 16004
 DATE STARTED 5/25/16 COMPLETED 5/25/16
 DRILLING CONTRACTOR SW Cole
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY J. Melton CHECKED BY S. Kearney
 NOTES _____

PROJECT NAME Northern Pass
 PROJECT LOCATION Campton, NH
 GROUND ELEVATION NA HOLE SIZE 6 in
 LATITUDE 43.863783 LONGITUDE -71.668051
 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 GROUND WATER LEVEL: _____

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\LG\SCHWIND\DESKTOP\PROJECTS\NORTHERN PASS\NHNORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NHNPTHOR.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SP		FILL: POORLY GRADED SAND WITH GRAVEL (SP), and silt, pale yellowish brown, moist, medium dense, coarse grained gravel, fine grained sand, subangular, silt lenses
5	SPT 1	5-6-6 (12)	SP-SM		
10	SPT 2	5-7-7 (14)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), pale yellowish brown, moist, medium dense, fine grained sand
15	SPT 3	6-7-8 (15)	SP-SM		
15.5					

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-230

PAGE 1 OF 1

CLIENT PAR Electrical Contractors

PROJECT NAME Northern Pass

PROJECT NUMBER 16004

PROJECT LOCATION Campton, NH

DATE STARTED 5/25/16 COMPLETED 5/25/16

GROUND ELEVATION NA HOLE SIZE 6 in

DRILLING CONTRACTOR SW Cole

LATITUDE 43.861061 LONGITUDE -71.667452

DRILLING METHOD Hollow Stem Auger

DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto

LOGGED BY J. Melton CHECKED BY S. Kearney

GROUND WATER LEVEL:

NOTES

▽ AT TIME OF DRILLING 8.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:54 - C:\USERS\ILGSCHWIND\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\THORNTON_NH\NHPH0R.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	9-8-6 (14)	SP		FILL: POORLY GRADED SAND WITH GRAVEL (SP), grayish red, wet, medium dense, coarse grained gravel, fine grained sand, subangular
			SP		ALLUVIUM: POORLY GRADED SAND (SP), trace gravel, pale yellowish brown, moist, medium dense, fine grained gravel, fine grained sand, subrounded
10	SPT 2	3-3-4 (7)	ML		ALLUVIUM: SANDY SILT (ML), pale yellowish brown, wet, medium stiff, very fine grained
15	SPT 3	2-3-4 (7)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), pale brown, wet, loose, fine grained

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-232

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/25/16 COMPLETED 5/25/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.855762 LONGITUDE -71.667276
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location ∇ AT TIME OF DRILLING 13.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:27 - C:\USERS\ILGSCHWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\CAMPTON, NH\NH CAMPTON.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	5-8-11 (19)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), light brown to pale orange, moist, medium dense, fine grained
8.0					
10	SPT 2	5-7-8 (15)	ML		ALLUVIUM: SANDY SILT (ML), pale yellowish brown to dark yellowish orange, wet, stiff, very fine grained, iron oxide staining
15	SPT 3	5-5-7 (12)	ML		
15.5					

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-233

PAGE 1 OF 1

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Campton, NH
DATE STARTED 5/25/16	COMPLETED 5/25/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY J. Melton	LATITUDE 43.853181
CHECKED BY S. Kearney	LONGITUDE -71.666321
NOTES	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	▽ AT TIME OF DRILLING 9.0ft

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DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	4-4-3 (7)	SP		FILL: POORLY GRADED SAND WITH GRAVEL (SP), brown, moist, loose, coarse grained gravel, fine grained sand, subangular
8.0					
10	SPT 2	1-1-4 (5)	OL		ORGANIC DEPOSITS: GRAVELLY ORGANIC SOIL (OL), grayish brown, wet, medium stiff, very fine grained, high silt content
13.5					
15	SPT 3	3-10-5 (15)	ML		ALLUVIUM: SANDY SILT (ML), brown, wet, stiff, very fine grained, granitic gravel and cobbles at end of sample
15.5					

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-234

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.848627 LONGITUDE -71.665449
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES ▽ AT TIME OF DRILLING 10.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:28 - C:\USERS\LSCHWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\CAMPTON, NH\NH CAMPTON.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	28	4-37-50 (87)	SP		GLACIOFLUVIAL: POORLY GRADED SAND WITH GRAVEL (SP), with silt, light brown to grayish brown, moist, dense, coarse to very coarse grained gravel, fine grained sand, angular, lenses of silt material
8.0						
10	SPT 2	100	2-4-5 (9)	ML		GLACIOFLUVIAL: SILT (ML), with clay, yellowish brown, wet, stiff, medium plasticity, very fine grained, iron oxide staining
15	SPT 3	100	2-3-4 (7)	ML		-becomes medium stiff, pale yellowish brown
15.5						

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-235

PAGE 1 OF 1

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Campton, NH
DATE STARTED 5/25/16	COMPLETED 5/25/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY J. Melton	LATITUDE 43.844242
CHECKED BY S. Kearney	LONGITUDE -71.664397
NOTES drilled at stake location	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	▽ AT TIME OF DRILLING 13.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:28 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\CAMPTON, NH\NIP\CAMPTON.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	5-9-12 (21)	SP-SM		GLACIOFLUVIAL: POORLY GRADED SAND WITH SILT (SP-SM), dark orange, moist, medium dense, fine grained
10	SPT 2	8-8-9 (17)	SP-SM		-with fine to coarse angular gravel
15	SPT 3	5-6-6 (12)	SP-SM		-becomes wet
15.5					

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-236

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Campton, NH
DATE STARTED 6/23/16	COMPLETED 6/23/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger/Mud Rotary	HOLE SIZE 4 in
LOGGED BY J. Melton	LATITUDE 43.841753
CHECKED BY S. Kearney	LONGITUDE -71.662771
NOTES	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:

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DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0							
5	SPT 1	50	13-4-5 (9)	GM		FILL: GRAVEL (GM), with sand, with silt, trace organics, moderate yellowish brown, moist, loose, very fine to fine grained, fine to coarse grained gravel, subangular	
10	SPT 2	0	50/1"	GM		TILL: SILTY GRAVEL WITH SAND, olive gray, moist, very dense, fine to coarse grained gravel, fine grained sand, subangular, with boulders and cobbles -with subangular, schistose, gravel, silt content increases	switched to mud rotary drilling
15	SPT 3	64	33-36-50/2"	GM		-becomes light olive gray, dense, wet, angular gravel	

Bottom of borehole at 15.2 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-237

CLIENT PAR Electrical Contractors **PROJECT NAME** Northern Pass

PROJECT NUMBER 16004 **PROJECT LOCATION** Campton, NH

DATE STARTED 6/21/16 **COMPLETED** 6/22/16 **GROUND ELEVATION** NA **HOLE SIZE** 6 in

DRILLING CONTRACTOR SW Cole **LATITUDE** 43.840406 **LONGITUDE** -71.660006

DRILLING METHOD HSA/Wireline Coring / NQ Size/Series 8 **DRILLING EQUIPMENT** Diedrich D50 **SPT HAMMER** 140 lb Auto

LOGGED BY J. Melton **CHECKED BY** S. Kearney **GROUND WATER LEVEL:**

NOTES

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DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	44	2-7-4 (11)	GM		FILL: GRAVEL (GM), with sand, with silt, trace asphalt, dark yellowish brown, damp, loose, very fine to fine grained, fine to coarse grained gravel, subangular
6.0						
10	RC 1	95 (94)				BEDROCK: Fresh (I) to slightly weathered (II), light gray (N7) to medium dark gray (N4), medium to coarse grained, strong (R4), GRANITE, with minor zones of oxidation, moderate pyrite mineralization
15	RC 2	100 (99)				-without oxidation or mineralization

Bottom of borehole at 15.0 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-238

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/24/16 COMPLETED 5/24/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.838013 LONGITUDE -71.657981
 DRILLING METHOD HSA/Wireline Coring / NQ Size/Series 8 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location ∇ AT TIME OF DRILLING 9.0ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				SM		FILL: SILTY SAND WITH GRAVEL (SM), brown, moist, loose, fine grained gravel, fine to medium grained sand, angular
				SM		TILL: SILTY SAND WITH GRAVEL (SM), brown, moist, dense, coarse grained gravel, fine grained sand
5	SPT 1		13-19-22 (41)			
10	SPT 2	100	37-40-50/4"			BEDROCK: Completely weathered (V), white (N9) and white / yellowish gray (5Y 8/1), very weak (R1), GRANITE, minor zones of oxidation
	RC 1	100 (71)				BEDROCK: Fresh (I) to slightly weathered, yellowish red (5YR 5/6) and very pale brown (10YR 8/2), medium strong (R3), hornblende granite with zones of concentrated mineralization below 11 ft
						-elongated hornblende crystals from 13-14.8 ft
15						

Bottom of borehole at 15.0 ft.
Backfilled with auger cuttings

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BORING NUMBER BH-239

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/24/16 COMPLETED 5/24/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.83552 LONGITUDE -71.658971
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

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DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: SILTY SAND (SM), trace gravel, brown, moist, loose, fine grained, fine grained gravel
			SP		TILL: POORLY GRADED SAND (SP), light brown, moist, medium dense, fine grained
5				2.0	
	SPT 1	8-9-9 (18)	SP		
			ML		TILL: SANDY SILT (ML), light olive brown to dark yellow, moist, very fine to fine grained
10				8.0	
	SPT 2	5-6-7 (13)			
	SPT 3	50/0"	ML		-boulders and cobbles from 13.5 to 15 ft
15				15.0	

Bottom of borehole at 15.0 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-240

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/24/16 COMPLETED 5/24/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.832832 LONGITUDE -71.660094
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES _____

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DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	5-5-5 (10)	ML		GLACIOLACUSTRINE: SANDY SILT (ML), light olive brown to dusky yellow, moist, stiff, very fine to fine grained, iron oxide staining
10	SPT 2	2-1-1 (2)	ML		-becomes soft, laminated bedding
15	SPT 3	1-2-3 (5)	OL		GLACIOLACUSTRINE: ORGANIC SILT (OL), trace organics, dusky yellowish brown, moist, medium stiff, very fine to fine grained

Bottom of borehole at 16.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-241

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/24/16 COMPLETED 5/24/16 GROUND ELEVATION NA HOLE SIZE 4 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.830317 LONGITUDE -71.661102
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

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DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			SM		FILL: SILTY SAND WITH GRAVEL (SM), trace organics, dark brown, moist, very loose, coarse to very coarse grained gravel, fine grained sand, angular
5	SPT 1	4-4-5 (9)	SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), light brown, moist, medium dense, fine grained
10	SPT 2	5-6-6 (12)	SP-SM		
15	SPT 3	50/0"	SP-SM		-schistose boulders and cobbles from 13 to 15 ft

Bottom of borehole at 15.0 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-243

CLIENT PAR Electrical Contractors **PROJECT NAME** Northern Pass
PROJECT NUMBER 16004 **PROJECT LOCATION** Campton, NH
DATE STARTED 6/21/16 **COMPLETED** 6/21/16 **GROUND ELEVATION** NA **HOLE SIZE** 4 in
DRILLING CONTRACTOR SW Cole **LATITUDE** 43.82517 **LONGITUDE** -71.66282
DRILLING METHOD Hollow Stem Auger **DRILLING EQUIPMENT** Diedrich D50 **SPT HAMMER** 140 lb Auto
LOGGED BY J. Melton **CHECKED BY** S. Kearney **GROUND WATER LEVEL:**
NOTES drilled at stake location

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DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				GM		FILL: GRAVELLY SAND (GM), and silt, trace organics, dark yellowish brown, dry, loose, very fine to fine grained
				SP-SM		ALLUVIUM: POORLY GRADED SAND WITH SILT (SP-SM), pale orange, dry, loose, fine grained
5	SPT 1	83	3-4-4 (8)	SP-SM		
10	SPT 2	100	3-5-5 (10)	SP-SM		-becomes moist
15	SPT 3	100	6-8-9 (17)	SP-SM		-becomes medium dense, silt content increases
15.5						

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-244

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 6/21/16 COMPLETED 6/21/16 GROUND ELEVATION NA HOLE SIZE 4 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.822518 LONGITUDE -71.663547
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location ∇ AT TIME OF DRILLING 14.0ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:28 - C:\USERS\ILGSCHWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\CAMPTON, NH\NIP\CAMPTON.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	72	4-13-10 (23)	GM		FILL: SANDY GRAVEL WITH SILT (GM), trace asphalt, dark yellowish brown, moist, medium dense, medium to coarse grained gravel, very fine to fine grained sand, subangular
						-becomes light greenish gray, medium grained gravel, weakly cemented, without asphalt
10	SPT 2	89	8-10-9 (19)	GP		STREAM TERRACE DEPOSITS: POORLY GRADED GRAVEL WITH SAND (GP), yellowish gray, moist, medium dense, fine grained gravel, fine to medium grained sand, subrounded
15	SPT 3	100	7-14-17 (31)	GP		∇ -lenses of yellowish gray silty clay

Bottom of borehole at 15.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-245

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CLIENT PAR Electrical Contractors **PROJECT NAME** Northern Pass
PROJECT NUMBER 16004 **PROJECT LOCATION** Campton, NH
DATE STARTED 6/21/16 **COMPLETED** 6/21/16 **GROUND ELEVATION** NA **HOLE SIZE** 4 in
DRILLING CONTRACTOR SW Cole **LATITUDE** 43.819742 **LONGITUDE** -71.663455
DRILLING METHOD Hollow Stem Auger **DRILLING EQUIPMENT** Diedrich D50 **SPT HAMMER** 140 lb Auto
LOGGED BY J. Melton **CHECKED BY** S. Kearney **GROUND WATER LEVEL:**
NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/4/16 12:05 - C:\USERS\ILGSCHWIN\DESKTOP\SW-GW.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
5	SPT 1	72	10-8-7 (15)	SP		FILL: POORLY GRADED SAND WITH GRAVEL (SP), light brown, moist, medium dense, fine to coarse grained gravel, fine grained sand, subangular
				SP		ALLUVIUM: POORLY GRADED SAND (SP), trace silt, yellowish gray, moist, loose, fine grained
10	SPT 2	50	2-2-1 (3)	GM		ALLUVIUM: SANDY GRAVEL WITH SILT (GM), dark yellowish brown, moist, very loose, medium to coarse grained gravel, very fine to fine grained sand, subangular
15	SPT 3	56	3-4-5 (9)	CL		ALLUVIUM: SILTY CLAY (CL), light olive gray, moist, stiff, very fine grained, iron oxide staining

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-246

CLIENT PAR Electrical Contractors
 PROJECT NUMBER 16004
 DATE STARTED 8/31/16 COMPLETED 8/31/16
 DRILLING CONTRACTOR SW Cole
 DRILLING METHOD Hollow Stem Auger
 LOGGED BY J. Melton CHECKED BY S. Kearney
 NOTES _____

PROJECT NAME Northern Pass
 PROJECT LOCATION Campton, NH
 GROUND ELEVATION NA HOLE SIZE 6 in
 LATITUDE 43.817495 LONGITUDE -71.662726
 DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 GROUND WATER LEVEL: _____

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DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
0.3				GW		FILL: ASPHALT FILL: GRAVEL (GW), with sand, with silt, dark yellowish orange, dry, dense, fine grained, fine to coarse grained gravel, angular to subangular, iron oxide staining
5	SPT 1	56	18-26-45 (71)	GW		
7.5				SM		ALLUVIUM: SILTY SAND WITH GRAVEL (SM), moderate yellowish brown, damp, medium dense, fine grained, fine to coarse grained gravel, subangular, iron oxide staining
10	SPT 2	100	9-8-7 (15)	SM		
15	SPT 3	83	4-10-9 (19)	SM		-becomes stratified, with 0.25 inch layers of dark yellowish brown silty sand with trace clay
16.5						

Bottom of borehole at 16.5 ft.
Backfilled with auger cuttings



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BORING NUMBER BH-247

PAGE 1 OF 1

CLIENT PAR Electrical Contractors **PROJECT NAME** Northern Pass
PROJECT NUMBER 16004 **PROJECT LOCATION** Campton, NH
DATE STARTED 6/21/16 **COMPLETED** 6/21/16 **GROUND ELEVATION** NA **HOLE SIZE** 6 in
DRILLING CONTRACTOR SW Cole **LATITUDE** 43.814372 **LONGITUDE** -71.663772
DRILLING METHOD Hollow Stem Auger **DRILLING EQUIPMENT** Diedrich D50 **SPT HAMMER** 140 lb Auto
LOGGED BY J. Melton **CHECKED BY** S. Kearney **GROUND WATER LEVEL:**
NOTES drilled at stake location

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:28 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\CAMPTON, NH\NH CAMPTON.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				GM		FILL: SANDY GRAVEL WITH SILT (GM), trace organics, loose, medium to coarse grained gravel, very fine to fine grained sand
				SM		-highly weathered granitic boulders/cobbles from 1 to 4.3 ft, iron oxide staining,
5	SPT 1	67	23-28-26 (54)	SM		STREAM TERRACE DEPOSITS: SILTY SAND (SM), yellowish brown, moist, dense, very fine to fine grained
10	SPT 2	78	12-13-14 (27)	SM		-becomes medium dense, with medium grained, angular gravel
15	SPT 3	89	11-22-24 (46)	SM		-becomes dense, with medium to coarse grained, sub angular gravel

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-249

CLIENT PAR Electrical Contractors	PROJECT NAME Northern Pass
PROJECT NUMBER 16004	PROJECT LOCATION Campton, NH
DATE STARTED 5/24/16	COMPLETED 5/24/16
DRILLING CONTRACTOR SW Cole	GROUND ELEVATION NA
DRILLING METHOD Hollow Stem Auger	HOLE SIZE 6 in
LOGGED BY J. Melton	LATITUDE 43.810603
CHECKED BY S. Kearney	LONGITUDE -71.668392
NOTES	DRILLING EQUIPMENT Diedrich D50
	SPT HAMMER 140 lb Auto
	GROUND WATER LEVEL:
	∇ AT TIME OF DRILLING 11.5ft

GENERAL BH / TP / WELL - GINT STD US LAB.GPJ - 10/3/16 11:28 - C:\USERS\LGSC\HWIN\DESKTOP\PROJECTS\NORTHERN PASS\NORTHERN PASS TRENCH COMPLETED LOGS\CAMPTON, NH\NH1P\CAMPTON.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5	SPT 1	2-2-5 (7)	SP		FILL: POORLY GRADED SAND (SP), yellowish brown to dark yellowish orange, moist, loose, fine grained
6.0			SP-SM		STREAM TERRACE DEPOSITS: POORLY GRADED SAND WITH SILT (SP-SM), yellowish brown, moist, loose, fine grained
9.0	SPT 2	10-11-11 (22)	GP		STREAM TERRACE DEPOSITS: Completely to highly weathered, white-light gray and light brown, extremely weak, granitic boulder -zone of cobbles and boulders
14.0	SPT 3	3-7-5 (12)	SM		STREAM TERRACE DEPOSITS: SILTY SAND (SM), light brown, wet, medium dense, fine grained
15.5					

Bottom of borehole at 15.5 ft.
 Backfilled with auger cuttings



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BORING NUMBER BH-250

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass
 PROJECT NUMBER 16004 PROJECT LOCATION Campton, NH
 DATE STARTED 5/23/16 COMPLETED 5/23/16 GROUND ELEVATION NA HOLE SIZE 6 in
 DRILLING CONTRACTOR SW Cole LATITUDE 43.808335 LONGITUDE -71.670156
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto
 LOGGED BY J. Melton CHECKED BY S. Kearney GROUND WATER LEVEL:
 NOTES drilled at stake location

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DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
0 - 5	GB 1			SP		ALLUVIUM: POORLY GRADED SAND WITH GRAVEL (SP), trace organics, brown, moist, very loose, coarse grained gravel, fine grained sand, subangular
5 - 8.5	SPT 2	100	2-1-3 (4)	SP		-no gravel or organics
8.5 - 10.0				SM		TILL: SILTY SAND WITH GRAVEL (SM), yellowish brown to dark yellowish brown, moist, medium dense, coarse to very coarse grained gravel, fine grained sand
10.0 - 15.2	SPT 3	100	15-21-39 (60)			TILL: BOULDERS, pale blue, iron oxide staining, highly to completely weathered, fine grained, very weak, foliated
15.2	SPT 4		50/3"			-boulders from 15 to 15.2 ft, with zones of oxidation and clay

Bottom of borehole at 15.2 ft.
 Backfilled with auger cuttings