

**CLIENT** Client XYZ  
**PROJECT NUMBER** USExampleProj  
**DATE STARTED** 10-25-2021 **COMPLETED** 10-25-2021  
**DRILLING CONTRACTOR** Drillers R Us  
**DRILLING METHOD** Mud Rotary  
**EQUIPMENT** CME75  
**HOLE SIZE** 3.5 in. - NQ3  
**LOGGED BY** F.Tech **CHECKED BY** A. Engineer

**PROJECT NAME** US Example Project  
**PROJECT LOCATION** Exton, PA  
**POSITION** N: 273277.1 ft E: 2545643.9 ft (NAD83 State Plane Pennsylvania South)  
**GROUND ELEVATION** 32.20 ft MSL **FINAL DEPTH** 20.00 ft  
**GROUNDWATER LEVELS:**  
 ▽ AT TIME OF DRILLING  
 ▼ AT END OF DRILLING 17.40 ft  
 ▼ AFTER DRILLING

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE INTERVALS	RECOVERY %	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)	WELL DIAGRAM
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
		0.60	TOPSOIL - Well-graded SAND (SW): loose; red; dry to moist; fine to coarse.	1a		2-2-4 (6)	<0.25	114	17				8	
			Sandy Lean CLAY (CL): soft to firm; orangeish red; dry to moist; low to medium plasticity.	1b	100	WOH-2-3 (5)								
			- black streaking at 3.0 ft	2	100	2-3-3 (6)			22	28	20	8	70	
28				3	100	1-2-4-5 (6)				0	NP	0		
5		6.50	Lean CLAY (CL): stiff to very stiff; mottled pink and yellow; moist; medium plasticity; carbonaceous.	4	83	12-10-12 (22)								
				5	100	12-12-12 (24)		107	20	47	27	20	87	
23				6	100	16-18-20 (38)								
10		11.50	Clayey GRAVEL (GC): dense; reddish brown; moist; coarse; angular.	7	100	18-20-25 (45)								
			- olive gray below 15.0 ft	8	100			98	27				8	
18														
15														
13														
20		20.00	Terminated at 20.00 ft. Reached target depth..											
8														
25														

**NOTES** Soil Only Example

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**DRILLING METHOD** Mud Rotary  
**EQUIPMENT** CME75  
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**GROUND ELEVATION** 32.20 ft MSL **FINAL DEPTH** 20.00 ft  
**GROUNDWATER LEVELS:**  
 ▽ AT TIME OF DRILLING  
 ▼ AT END OF DRILLING 17.40 ft  
 ▼ AFTER DRILLING

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)	WELL DIAGRAM
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
		0.60	TOPSOIL - Well-graded SAND (SW): loose; red; dry to moist; fine to coarse. Sandy Lean CLAY (CL): soft to firm; orangeish red; dry to moist; low to medium plasticity.	SPT 1a										
				SPT 1b	100	2-2-4 (6)							8	
				SPT 2	100	WOH-2-3 (5)	<0.25		22	28	20	8	70	
			- black streaking at 3.0 ft	SPT 3	100	2-3-3 (6)				0	NP	0		
28				SPT 4	83	1-2-4-5 (6)								
5		6.50	Lean CLAY (CL): stiff to very stiff; mottled pink and yellow; moist; medium plasticity; carbonaceous.	SPT 5	100	12-10-12 (22)		107	20	47	27	20	87	
				SPT 6	100	12-12-12 (24)								
23														
10		11.50	Clayey GRAVEL (GC): dense; reddish brown; moist; coarse; angular.	SPT 7	100	16-18-20 (38)								
				SPT 8	100	18-20-25 (45)		98	27				8	
18			- olive gray below 15.0 ft											
15														
13														
20		20.00	Terminated at 20.00 ft. Reached target depth..											
8														
25														

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DATE STARTED 10-25-2021 COMPLETED 10-25-2021

DRILLING CONTRACTOR Drillers R Us

DRILLING METHOD Mud Rotary

EQUIPMENT CME75

HOLE SIZE 3.5 in. - NQ3

LOGGED BY F.Tech CHECKED BY A. Engineer

PROJECT NAME US Example Project

PROJECT LOCATION Exton, PA

POSITION N: 273277.1 ft E: 2545643.9 ft (NAD83 State Plane Pennsylvania South)

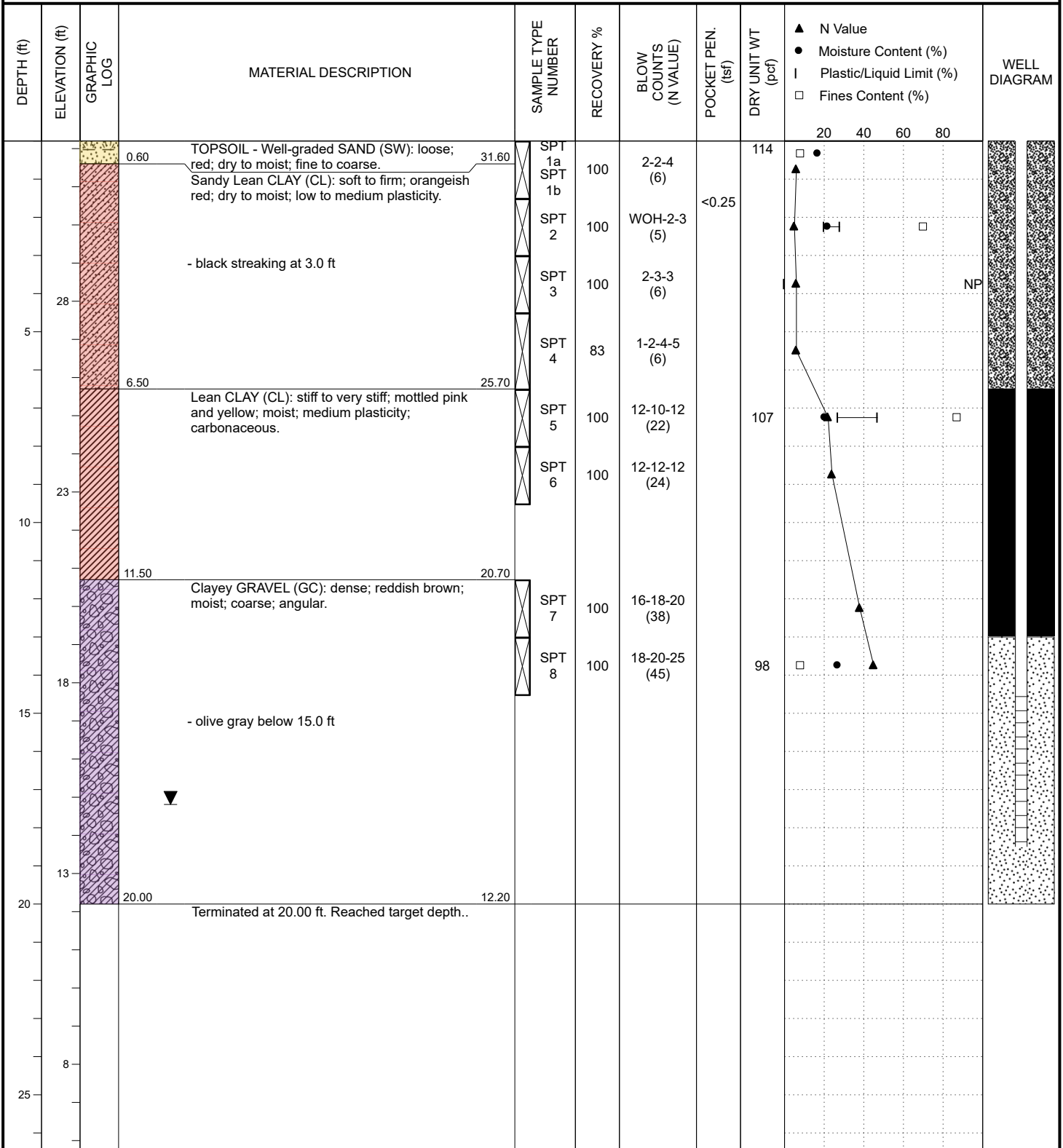
GROUND ELEVATION 32.20 ft MSL FINAL DEPTH 20.00 ft

GROUNDWATER LEVELS:

▽ AT TIME OF DRILLING

▽ AT END OF DRILLING 17.40 ft

▽ AFTER DRILLING



NOTES Soil Only Example

CLIENT Client XYZ

PROJECT NUMBER USExampleProj

DATE STARTED 10-25-2021 COMPLETED 10-26-2021

DRILLING CONTRACTOR Drillers R Us

DRILLING METHOD NQ3 Coring

EQUIPMENT CME75

HOLE SIZE 4.0/5.5 in. - HQ3

LOGGED BY F.Tech CHECKED BY A. Engineer

PROJECT NAME US Example Project

PROJECT LOCATION Exton, PA

POSITION N: 273371.3 ft E: 2545859.2 ft (NAD83 State Plane Pennsylvania South)

GROUND ELEVATION 30.50 ft MSL FINAL DEPTH 31.50 ft

GROUNDWATER LEVELS:

▽ AT TIME OF DRILLING 23.95 ft

▼ AT END OF DRILLING 25.90 ft

▽ AFTER DRILLING 27.90 ft 2 hours after

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE INTERVALS	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
		0.60	TOPSOIL - Poorly-graded SAND (SP): very loose; dark brown; dry to moist; fine to medium; trace gravel. Sandy Lean CLAY (CL): soft; dark gray; moist; low plasticity; trace rootlets.	B 1	100								
26		6.20	Sandy Lean CLAY (CL): soft to firm; orangeish brown; moist; low plasticity; interbedded with Silty SAND.	SPT 2	100	2-1-1 (2)		119		37	22	15	65
		7.90	Sandy Lean CLAY (CL): firm to stiff; gray; moist; low to medium plasticity.	ST 3a	100	2-2-3 (5)	0.25						
21		11.20	SANDSTONE: medium to coarse; massive; orangeish brown; moderately weathered; moderately soft becoming moderately hard; intensely fractured to slightly fractured; (Brownstone Formation).	SPT 4	100	5-7-50/4" (R)	0.50	123	23	38	23	15	58
16				RC C1	100 (78)								
11				RC C2	100 (74)								
6				RC C3	70 (54)								



NOTES Soil+Rock Example

CLIENT Client XYZ

PROJECT NAME US Example Project

PROJECT NUMBER USExampleProj

PROJECT LOCATION Exton, PA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE INTERVALS	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
30	1		SANDSTONE: medium to coarse; massive; orangeish brown; moderately weathered; moderately soft becoming moderately hard; intensely fractured to slightly fractured; (Brownstone Formation). ▽	RC  C4	100 (50)								
			31.50 Terminated at 31.50 ft. Reached target depth.. -1.00										
35	-4												
40	-9												
45	-14												
50	-19												
55	-24												

NOTES Soil+Rock Example

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**DRILLING CONTRACTOR** Drillers R Us  
**DRILLING METHOD** NQ3 Coring  
**EQUIPMENT** CME75  
**HOLE SIZE** 4.0/5.5 in. - HQ3  
**LOGGED BY** F.Tech **CHECKED BY** A. Engineer

**PROJECT NAME** US Example Project  
**PROJECT LOCATION** Exton, PA  
**POSITION** N: 273371.3 ft E: 2545859.2 ft (NAD83 State Plane Pennsylvania South)  
**GROUND ELEVATION** 30.50 ft MSL **FINAL DEPTH** 31.50 ft  
**GROUNDWATER LEVELS:**  
 ▽ **AT TIME OF DRILLING** 23.95 ft  
 ▼ **AT END OF DRILLING** 25.90 ft  
 ▼ **AFTER DRILLING** 27.90 ft 2 hours after

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
		0.60	TOPSOIL - Poorly-graded SAND (SP): very loose; dark brown; dry to moist; fine to medium; trace gravel. Sandy Lean CLAY (CL): soft; dark gray; moist; low plasticity; trace rootlets.	B 1	100								
5	26			SPT 2	100	2-1-1 (2)		119		37	22	15	65
		6.20	Sandy Lean CLAY (CL): soft to firm; orangeish brown; moist; low plasticity; interbedded with Silty SAND.		0	2-2-3 (5)	0.25						
		7.90	Sandy Lean CLAY (CL): firm to stiff; gray; moist; low to medium plasticity.	ST 3a	100								
10	21			D 3b			0.50	123	23	38	23	15	58
		11.20		SPT 4	100	5-7-50/4" (R)		110	37	47	25	22	69
		19.30	SANDSTONE: medium to coarse; massive; orangeish brown; moderately weathered; moderately soft becoming moderately hard; intensely fractured to slightly fractured; (Brownstone Formation).	RC C1									
15	16				100 (78)								
				RC C2									
20	11				100 (74)								
				RC C3									
25	6				70 (54)								

**NOTES** Soil+Rock Example




CLIENT Client XYZ

PROJECT NAME US Example Project

PROJECT NUMBER USExampleProj

PROJECT LOCATION Exton, PA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
										LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
30	1		SANDSTONE: medium to coarse; massive; orangeish brown; moderately weathered; moderately soft becoming moderately hard; intensely fractured to slightly fractured; (Brownstone Formation). ▽	RC C4	100 (50)								
		31.50	Terminated at 31.50 ft. Reached target depth..	-1.00									
35	-4												
40	-9												
45	-14												
50	-19												
55	-24												

NOTES Soil+Rock Example

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DRILLING CONTRACTOR Drillers R Us

DRILLING METHOD NQ3 Coring

EQUIPMENT CME75

HOLE SIZE 4.0/5.5 in. - HQ3

LOGGED BY F.Tech CHECKED BY A. Engineer

PROJECT NAME US Example Project

PROJECT LOCATION Exton, PA

POSITION N: 273371.3 ft E: 2545859.2 ft (NAD83 State Plane Pennsylvania South)

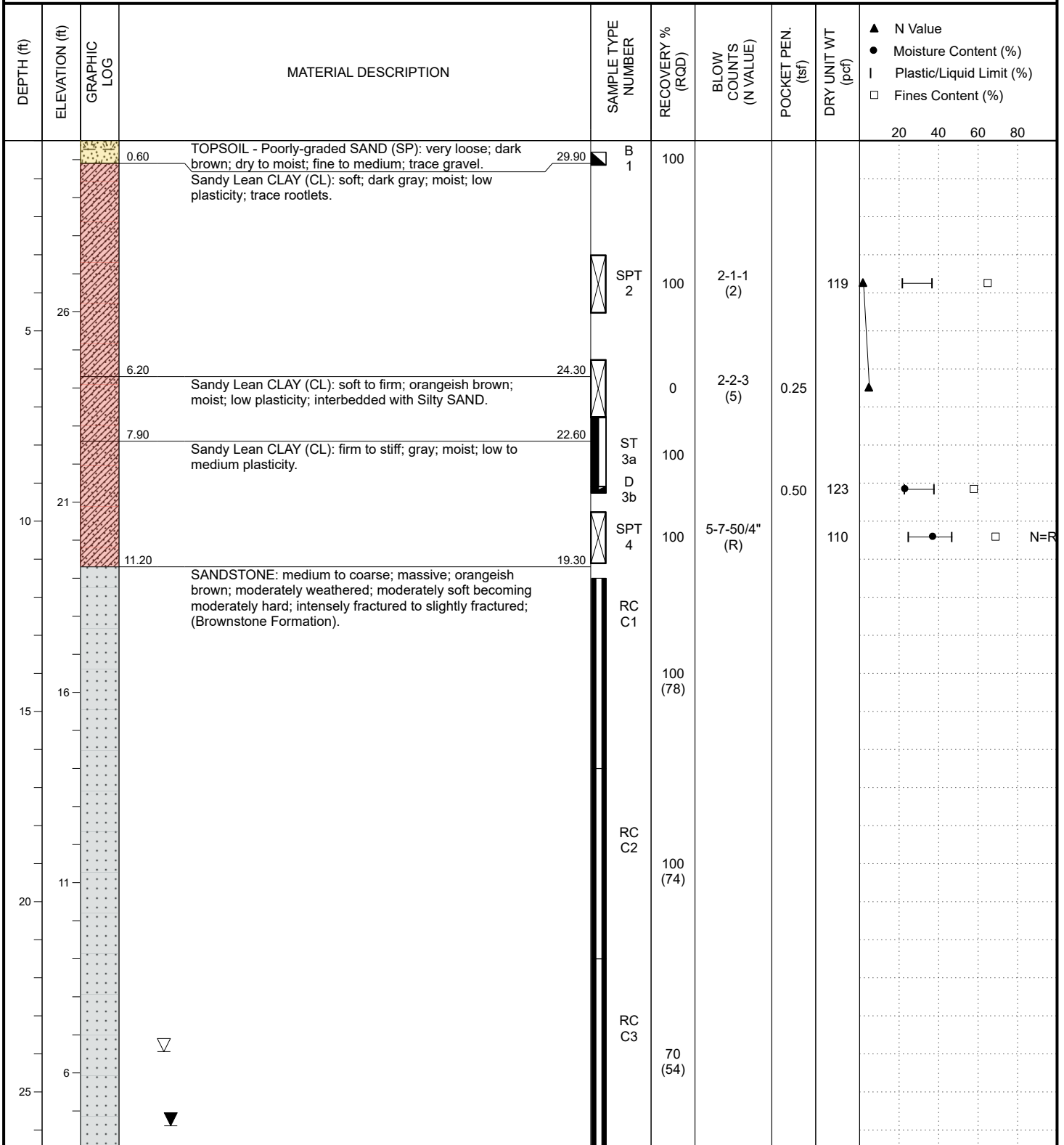
GROUND ELEVATION 30.50 ft MSL FINAL DEPTH 31.50 ft

GROUNDWATER LEVELS:

▽ AT TIME OF DRILLING 23.95 ft

▼ AT END OF DRILLING 25.90 ft

▽ AFTER DRILLING 27.90 ft 2 hours after



NOTES Soil+Rock Example



CLIENT Client XYZ

PROJECT NAME US Example Project

PROJECT NUMBER USExampleProj

PROJECT LOCATION Exton, PA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT (pcf)	<div>▲ N Value</div> <div>● Moisture Content (%)</div> <div>I Plastic/Liquid Limit (%)</div> <div>□ Fines Content (%)</div> <div>20406080</div>			
30	1		SANDSTONE: medium to coarse; massive; orangeish brown; moderately weathered; moderately soft becoming moderately hard; intensely fractured to slightly fractured; (Brownstone Formation). ▽	RC C4	100 (50)							
			31.50 Terminated at 31.50 ft. Reached target depth.. -1.00									
35	-4											
40	-9											
45	-14											
50	-19											
55	-24											

NOTES Soil+Rock Example

CLIENT Client XYZ

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PROJECT LOCATION Exton, PA



CB1 - 11.50 to 18.00 ft



CB2 - 18.00 to 25.00 ft

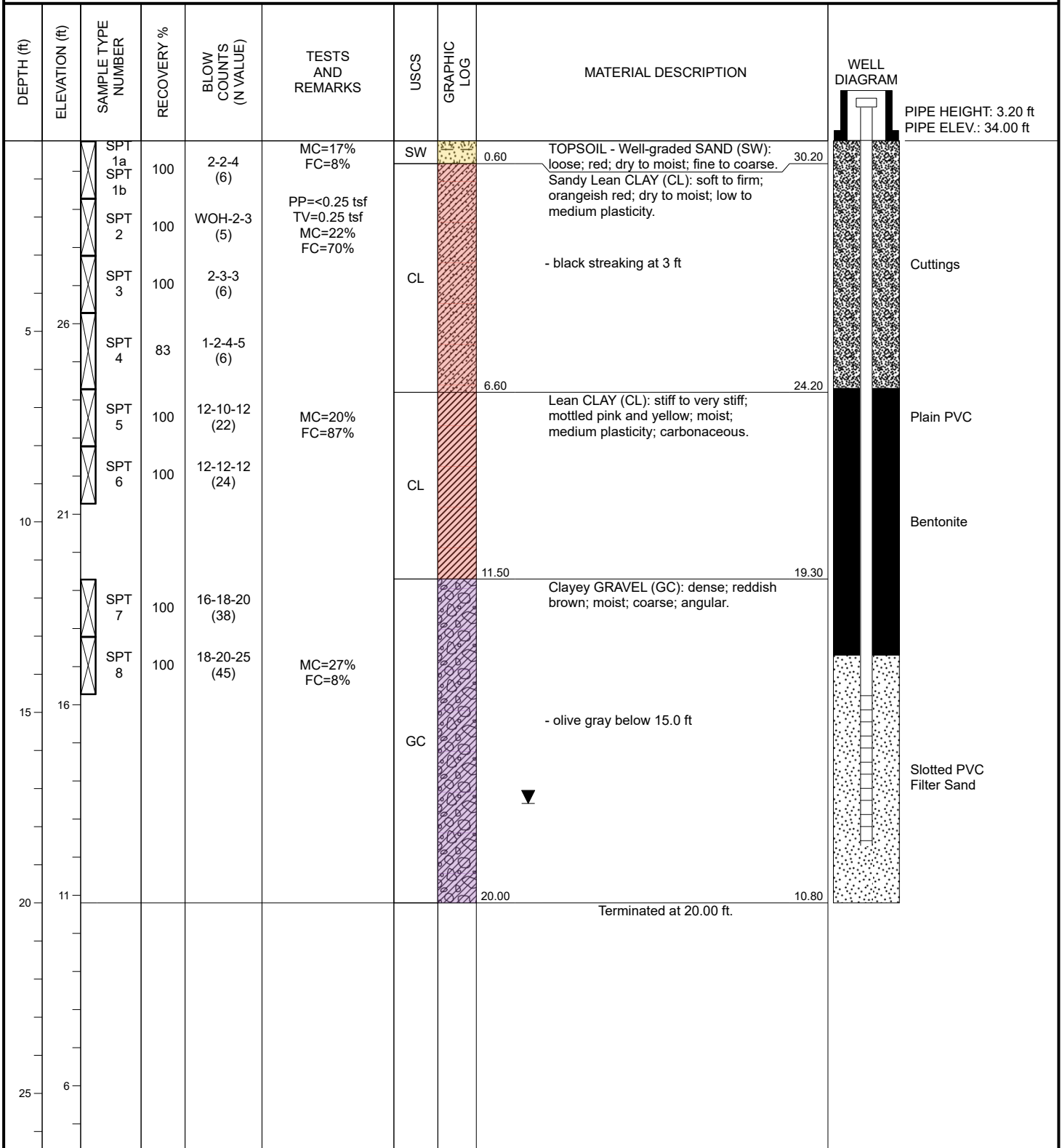


CB3 - 25.00 to 31.50 ft



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**DRILLING METHOD** Mud Rotary  
**EQUIPMENT** CME75  
**HOLE SIZE** 3.5 in. - NQ3  
**LOGGED BY** F.Tech **CHECKED BY** A. Engineer

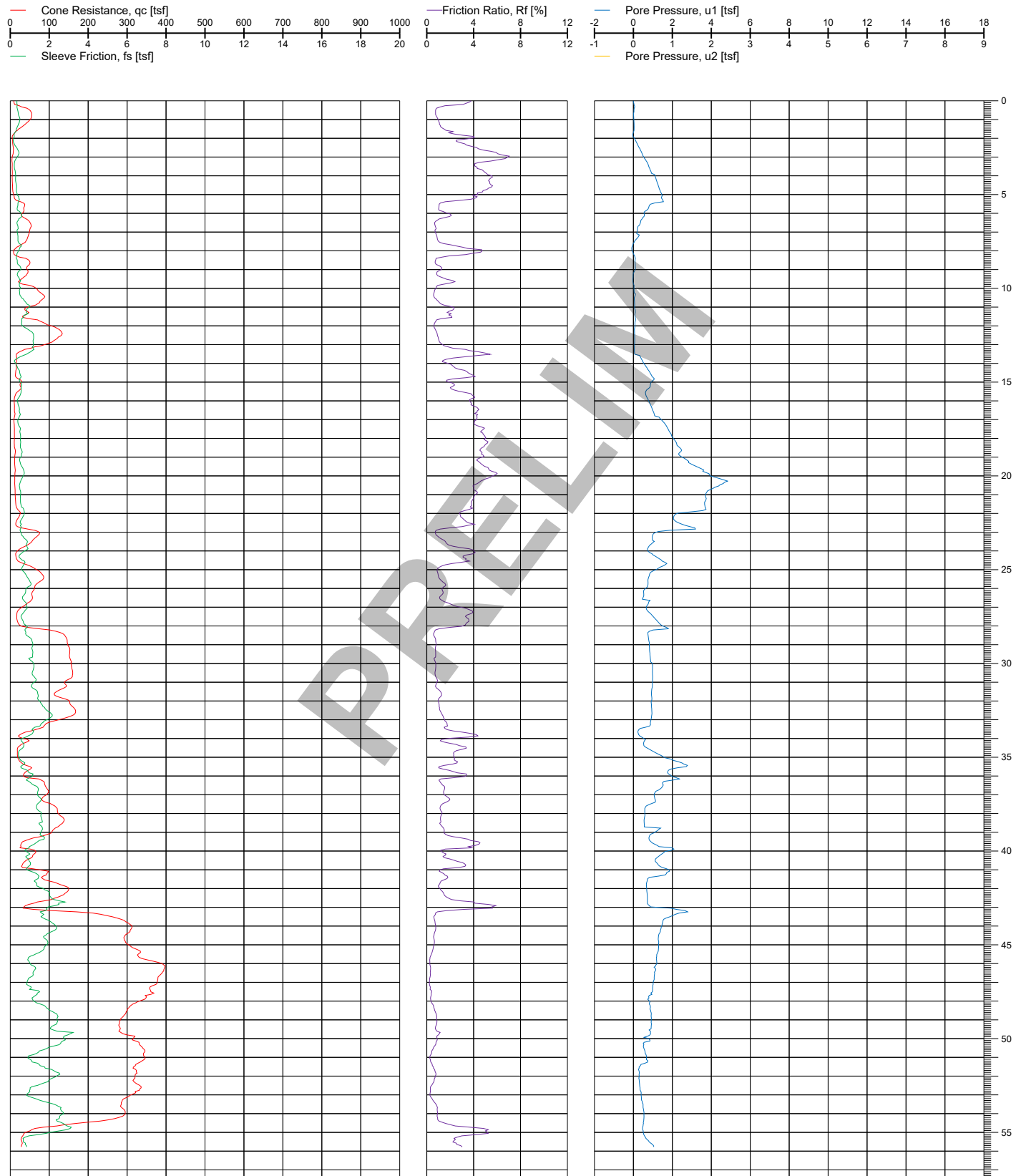
**PROJECT NAME** US Example Project  
**PROJECT LOCATION** Exton, PA  
**POSITION** N: 273267.6 ft E: 2545518.6 ft (NAD83 State Plane Pennsylvania South)  
**GROUND ELEVATION** 30.80 ft MSL **FINAL DEPTH** 20.00 ft  
**GROUNDWATER LEVELS:**  
 ▽ AT TIME OF DRILLING  
 ▼ AT END OF DRILLING 17.40 ft  
 ▼ AFTER DRILLING



**NOTES** Well Example

**CLIENT** Client XYZ  
**PROJECT NUMBER** USExampleProj  
**DATE STARTED** 10-25-2021 **COMPLETED** 10-25-2021  
**CONTRACTOR** CPT EZ **Cone ID** ABC-1234

**PROJECT NAME** US Example Project  
**PROJECT LOCATION** Exton, PA  
**POSITION** N: 273263.0 ft E: 2545779.4 ft (NAD83 State Plane Pennsylvania South)  
**GROUND ELEVATION** 33.50 ft MSL **FINAL DEPTH** 55.77 ft



**NOTES** CPT Example

**CLIENT** Client XYZ  
**PROJECT NUMBER** USExampleProj  
**DATE STARTED** 10-25-2021 **COMPLETED** 10-25-2021  
**EXCAVATION CONTRACTOR** Excavations R Us  
**EXCAVATION METHOD** Test Pit  
**EQUIPMENT** 20 ton excavator  
**TEST PIT SIZE** 10.0 ft x 3.0 ft  
**LOGGED BY** F.Tech **CHECKED BY** A. Engineer

**PROJECT NAME** US Example Project  
**PROJECT LOCATION** Exton, PA  
**POSITION** N: 273366.7 ft E: 2545711.5 ft (NAD83 State Plane Pennsylvania South)  
**GROUND ELEVATION** 31.80 ft MSL **FINAL DEPTH** 8.20 ft  
**GROUNDWATER LEVELS:** Dry  
☐ **AT TIME OF EXCAVATION**  
☒ **AT END OF EXCAVATION** Not Encountered  
☐ **AFTER EXCAVATION**

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	POCKET PEN. (tsf)	PID (PPM)
			Poorly-graded SAND (SP): loose; brown to black; dry to moist; fine to medium.			
	1.60					
			Sandy Lean CLAY (CL): firm; reddish brown; moist; low to medium plasticity.			
	3.90					
27			Well-graded GRAVEL with sand (GP): dense to very dense; reddish brown becoming reddish orange; moist; fine to coarse; angular; with cobbles.			
5						
	7.50					
	8.20		Sandstone			
			Terminated at 8.20 ft.			
22						
10						
17						
15						
20						
12						
25						
7						

**NOTES** Test Pit Example

CLIENT Client XYZ

PROJECT NAME US Example Project

PROJECT NUMBER USExampleProj

PROJECT LOCATION Exton, PA



TP1