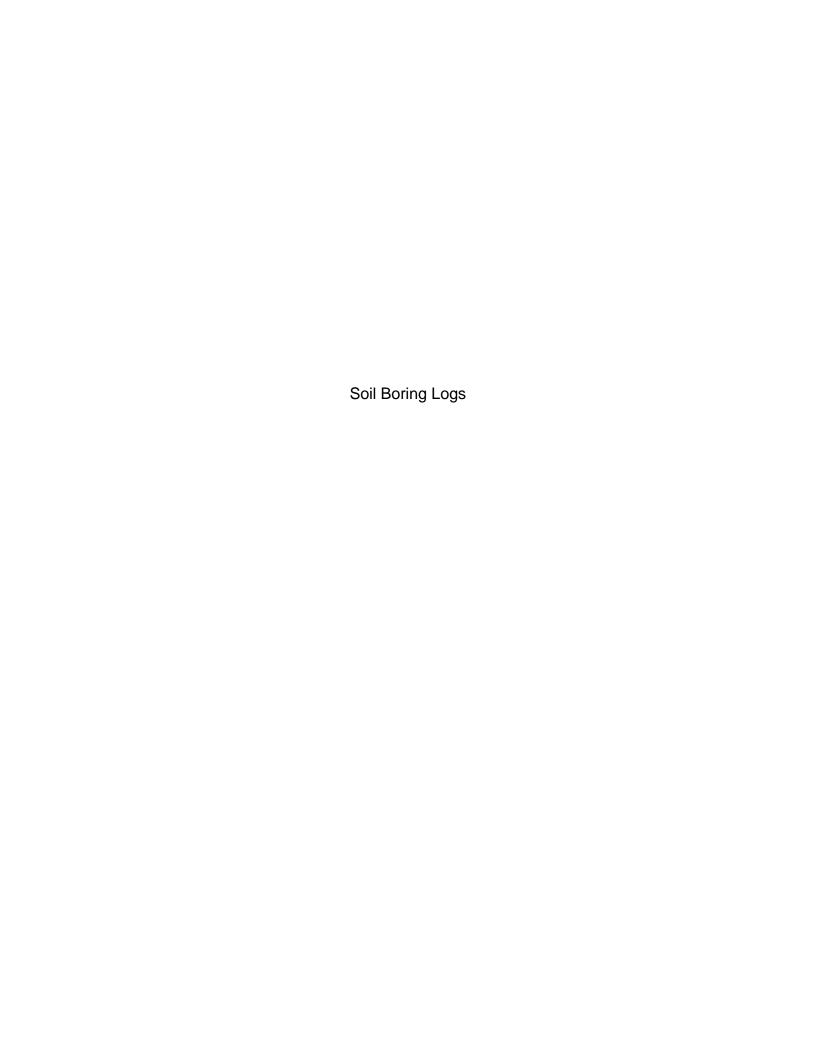
➤ Interim Site Characterization Report / 34328 SPLP Twin Oaks-Newark 14-inch Diameter Pipeline Release September 2, 2025

Appendix C

Boring Logs and Construction Diagrams







BOREHOLE NO. SB-1

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPL - Washington Crossing

TOTAL DEPTH:

6-feet

3-inch

ADDRESS: Glenwood Drive

BOREHOLE DIA.:

Logged By:

Alyssa Fetterman

GeoProbe 7822DT

Drilling Method:

Direct Push

Dates Drilled: Drilling Company: 2/3/2025

Sampling Method:

Geoprobe acetate sleeve
Unified Soil Classification System (USCS)

Drill Rig Type:

Odyssey Environmental Services

Soil Class. System: Field Screening:

Mini-RAE 3000+10.6 eV Photoionization Detector (PID)

Depth Sample (feet) Interval

Field Screen (ppm) Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

		ASPHALT: (0-0.5') Asphalt	ASPHALT	Borehole backfilled with bentonite and
	0.0	ML: (0.5'-6') Brown silt with gravel	ML	completed with asphalt cold patch
	0.0			
	0.0			
	0.0			
	0.0			
9-1	0.0			
	0.0			
	0.0			
	0.0			
	0.0			
	0.0			Geoprobe refusal at 6'
	0.0			bgs

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



SB-1



BOREHOLE NO. SB-2

Groundwater and Environmental Services, Inc.

TOTAL DEPTH:

Page 1 of 1

SPL - Washington Crossing PROJECT:

BOREHOLE DIA .:

4-feet 3-inch

ADDRESS: **Glenwood Drive**

Alyssa Fetterman

Drilling Method:

Direct Push

Dates Drilled:

Logged By:

2/3/2025

Sampling Method:

Geoprobe acetate sleeve

Drilling Company:

Odyssey Environmental Services

Soil Class. System:

Unified Soil Classification System (USCS)

GeoProbe 7822DT Drill Rig Type:

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)	Sample Interval	Field Screen (ppm)	Rec- overy	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0				ASPHALT: (0-1') Asphalt	ASPHALT		Borehole backfilled with bentonite and completed with asphalt cold patch
1-		0.0		ML: (1'-4') Brown silt with gravel	ML		
		0.0					
2-		0.0					
		0.0					
3-		0.0					
		0.0				Geoprobe refusal at 4' bgs	

General Comments:

bgs - below ground surface ppm - parts per million NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



SB-2



BOREHOLE NO. SB-3

Groundwater and Environmental Services, Inc.

TOTAL DEPTH: 7.5-feet

SPL - Washington Crossing PROJECT:

BOREHOLE DIA .:

ADDRESS: Glenwood Drive

Direct Push

3-inch

Logged By: Dates Drilled: Alyssa Fetterman

Drilling Method: Sampling Method:

Geoprobe acetate sleeve

Drilling Company:

2/3/2025 **Odyssey Environmental Services**

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

GeoProbe 7822DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)	
	L

Field Sample Interval Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

Page 1 of 1

0		ASPHALT: (0	-1') Asphalt	ASPHALT		Borehole backfilled with bentonite and completed with
1-	0.0	ML: (1'-6.5') B	rown silt with gravel	ML	1	completed with asphalt cold patch
	0.0					
-	0.0					
	0.0					
3 -	0.0					
	0.0					
4-	0.0					
	0.0					
5 –	0.0					
	0.0					
6-	0.0					
	0.0	SM: (6.5'-7.5') to coarse-grai	Tan to light-brown medium ned sand with gravel	SM		
7-	0.0				Geoprobe refusal at 7.5' bgs	
	0.0				7,0 bga	

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



SB-3



BOREHOLE NO. SB-4

Groundwater and Environmental Services, Inc.

TOTAL DEPTH: 4-feet

SPL - Washington Crossing PROJECT: ADDRESS: **Glenwood Drive**

BOREHOLE DIA .: 3-inch

Logged By:

Alyssa Fetterman

Drilling Method:

Direct Push

Dates Drilled: Drilling Company: 2/3/2025

Sampling Method:

Geoprobe acetate sleeve

Odyssey Environmental Services

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

GeoProbe 7822DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Field Sample Interval Screen

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

Page 1 of 1

	(PPin)				
).		ASPHALT: (0-1') Asphalt	ASPHALT		Borehole backfilled with bentonite and completed with asphalt cold patch
	0.0	SM: (1'-4') Brown sandy silt with gravel	SM		
	0.0				
i -	0.0				
	0.0				
=	0.0				
	0.0			Geoprobe refusal at 4'	
	0.0			bgs	

General Comments:

bgs - below ground surface ppm - parts per million NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



SB-4



BOREHOLE NO. SB-5

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPL - Washington Crossing

TOTAL DEPTH:

4.5-feet

3-inch

ADDRESS: Glenwood Drive

BOREHOLE DIA .:

Logged By: Dates Drilled: Alyssa Fetterman

Drilling Method:

Direct Push

Sampling Method:

Geoprobe acetate sleeve

Drilling Company:

Odyssey Environmental Services

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

GeoProbe 7822DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

	-
Depth	Sample
(feet)	Interval

Field Screen (ppm)

Recovery

2/3/2025

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

		ASPHALT: (0-1') Asphalt	ASPHALT		Borehole backfilled with bentonite and completed with asphalt cold patch
-	0.0	ML: (1'-4.5') Brown silt with gravel	ML		
	0.0				
-	0.0				
	0.0				
	0.0				
	0.0				
	0.0			Geoprobe refusal at	
	0.0			refusal at 4.5' bgs	

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level
Lab Sample Location



SB-5



BOREHOLE NO. SB-6

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPL - Washington Crossing

TOTAL DEPTH:

6-feet

3-inch

ADDRESS: Glenwood Drive

BOREHOLE DIA .:

Logged By:

Alyssa Fetterman

Drilling Method:

Direct Push

Dates Drilled:

2/3/2025

Sampling Method:

Geoprobe acetate sleeve

Drilling Company:

Odyssey Environmental Services

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

GeoProbe 7822DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet) Sample Field Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

		ASPHALT: (0-0.5') Asphalt	ASPHALT	Borehole backfilled with bentonite and
d		ML: (0.5'-5') Brown silt with gravel	ML	completed with asphalt cold patch
	0.0			
	0.0			
-	0.0			
	0.0			
	0.0			
	0.0			
	0.0			
	0.0			
	0.0	GW: (5'-6') Well graded gravel with sand	GW	+
	0.0			Geoprobe
	0.0			refusal at 6' bgs

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



SB-6



BOREHOLE NO. SB-7

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPL - Washington Crossing

ADDRESS: Glenwood Drive

TOTAL DEPTH: BOREHOLE DIA.: 9-feet

3-inch

Logged By:

Alyssa Fetterman

Drilling Method:

Direct Push

Dates Drilled:

2/3/2025

Sampling Method:

Geoprobe acetate sleeve

Drilling Company:

Depth Sample Field Rec-

Odyssey Environmental Services

Soil Class. System: Unified Soil

Unified Soil Classification System (USCS)

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Drill Rig Type:

GeoProbe 7822DT

Field Screening:

The same of a selection of the selection is a selection of the selection o

eet) I	Sample Interval	Screen (ppm)	overy	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0				ASPHALT: (0-1') Asphalt	ASPHALT		Borehole backfilled with bentonite and
1-		0.0		ML: (1'-7') Brown silt with gravel	ML	-	completed with asphalt cold patch
		0.0		33			
2-		0.0					
		0.0					
3-		0.0					
		0.0					
4-		0.0					
		0.0					
5-		0.0					
		0.0					
6-		0.0					
4		0.0					
7-		0.0		SM: (7'-9') Tan to light-brown medium to coarse-grained sand with gravel	sm sm		
		0.0		3.			
8-		0.0					
		0.0				Geoprobe refusal at 9' bgs	
9		0.0		(* * ·		bgo	

General Comments:

bgs - below ground surface ppm - parts per million NA - not applicable Symbol Key:

Apparent Water Level Lab Sample Location



SB-7



BOREHOLE NO. SB-8

Groundwater and Environmental Services, Inc.

Page 1 of 1

SPL - Washington Crossing PROJECT:

ADDRESS: Glenwood Drive TOTAL DEPTH:

7-feet

BOREHOLE DIA .:

3-inch

Logged By: Dates Drilled: Alyssa Fetterman

2/3/2025

Drilling Method:

Direct Push

Geoprobe acetate sleeve

Drilling Company:

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

GeoProbe 7822DT

Odyssey Environmental Services

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)

Field Sample Interval Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0		ASPHALT: (0-1') Asphalt	ASPHALT	Borehole backfilled with bentonite and completed with
1-	0.0	ML: (1'-3.5') Brown silt with gravel, moist	ML	asphalt cold patch
2-	0.0			
3-	0.0			
4-		NO RECOVERY: (3.5'-5') No Recovery	NO RECOVERY	
5-	0.0	ML: (5'-7') Brown silt with gravel, saturated	ML	
3 -	22			
	51			Geoprobe refusal at 7'
7	19.5			bgs

General Comments:

bgs - below ground surface ppm - parts per million NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



SB-8



BOREHOLE NO. SS-1

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

ADDRESS:

Field

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA .: 1-inch

Logged By: Dates Drilled: Michael Haezebrouck

6/17/2025

Drilling Method:

Direct Push Grab

Parratt-Wolff

Rec-

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type:

Sample

Depth

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)	Sample Interval	Field Screen (ppm)	Rec- overy	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0				Topsoil: (0.0'1.5') Dark olive brown moist topsoil	Topsoil		Borehole backfilled with bentonite
1-		0.0					
		0.0	2	CH: (1.5'-2.0') Yellowish brown moist fat clay	СН		
2-				CL: (2.0'-3.5') Yellowish brown moist lean clay with sand	CL		
3-		0.0	00	2			
		0.0		No Recovery: (3.5'-4.0') No Recovery	NR		
4-			1	CL: (4.0'-6.0') Olive brown dry lean clay and gravel sapprolite	CL		
5-		0.0					
		0.0		10			
6-				CL: (6.0'-8.0') Dark grayish brown dry lean clay with sand			
7-		0.0	187			Geoprobe refusal at	
	SS-01 (7.0-8.0)	0.0		1		8.0'	

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level

Lab Sample Location

SS-I

p. 1 of 1

1,444,14



BOREHOLE NO. SS-2

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled:

ADDRESS:

Michael Haezebrouck

6/17/2025

Drilling Method:

Direct Push Grab

Parratt-Wolff Drilling Company:

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth	Sample
(feet)	Interval

Field Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0	0.0	Topsoil: (0.0'1.5') Dark olive brown topsoil	Topsoil	Borehole backfilled with bentonite
1-	0.0	CL: (1.1'-1.5') Olive brown moist lean clay with sand	СН	
2-		33		
3-	2.7	2		
ı-	14.2	CH: (3.5'-4.5') Olive yellow dry fat clay with sapprolite gravels	CL	
i-	0.0	CL: (4.5'-8.0') Dark yellowish brown dry lean clay with sand	CL	
j-	19.3	22		
	32.7	33		Geoprobe refusal at
SS-02 (5.0-6.0)	1.4	20		8.0'

General Comments:

bgs - below ground surface

NA - not applicable

ppm - parts per million

Symbol Key:

Apparent Water Level Lab Sample Location





BOREHOLE NO. SS-3

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA .: 1-inch

Logged By: Dates Drilled:

ADDRESS:

Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method: Direct Push Grab

Drilling Company:

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Geoprobe 6620 DT Drill Rig Type:

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth	Sample
(feet)	Interval

Field Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0		Topsoil: (0.0'-0.3') Topsoil	Topsoil	Borehole
1-	0.0	CL: (0.3'-2.0') Grayish brown moist lean clay with sand	CL	backfilled with bentonite
2-	0.0	333		
3-	0.0	ML: (2.0'-3.5') Yellowish dry brown silt	ML	
4-	0.0	CL: (3.5'-6.0') Olive yellow dry lean clay with sand little gravel	CL	
5-	0.0	H H H H H H H H H H H H H H H H H H H		
SS-03 (5,0-6.0)	2.0	23		Geoprobe refusal at 6.0'

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location

SS-3



BOREHOLE NO. SS-4

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

ADDRESS: Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH: 8'

BOREHOLE DIA.: 1-inch

Logged By:

Michael Haezebrouck

Dates Drilled: 6/17/2025

Drilling Method:

Direct Push

Grab

Sampling Method: Gr Soil Class. System: Un

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type:

Geoprobe 6620 DT

Parratt-Wolff

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)	Sample Interval	Field Screen (ppm)	Rec- overy	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0		0.0		Topsoil: (0.0'-2.0') Dark olive brown topsoil	Topsoil		Borehole backfilled with bentonite
1-		0.0					
2-				CH: (2.0'-4.0') Medium olive brown moist fat clay	СН	<u></u>	
		0.0					

2-	9,0		CH: (2.0'-4.0') Medium olive brown moist fat clay	СН		
3-	0.0	5 6 5 8				
ı-	0.0			FILL		
SS-04 (4.0-5.0)	24.8		sand and gravel - fill material ML: (3.5'-6.0') Olive yellow dry lean clay with sand little gravel	ML		
i -	0.6	i.	SAPROLITE: (6.0'-8.0') Light olive brown dry saprolitic argilite	SAPROLITE		
4,	0.0	1,01,			Geoprobe refusal at 8.0'	
3	0.0	Ţ.				

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location





BOREHOLE NO. SS-5

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

TOTAL DEPTH: 7.5'

ADDRESS:

Glennwood Drive, Washington Crossing, PA

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled: Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method: Direct Push Grab

Parratt-Wolff

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth	Sample
(feet)	Interval

Field Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0.0			backfilled with bentonite
	CH: (2.0'-4.0') Olive brown moist fat clay	СН	bentonite
0.0			
0.0			
0.0	No Recovery: (3.0'-4.0') No Recovery	NR	
0.1	ML: (4.0'-6.0') Grayish brown dry silt	ML	
0.0			
0.0	CL: (6.0'-7.5') Yellowish brown dry lean clay with sapprolite gravel	CL	Geoprobe
	0.0	0.0 No Recovery: (3.0'-4.0') No Recovery ML: (4.0'-6.0') Grayish brown dry silt CL: (6.0'-7.5') Yellowish brown dry lean clay with sapprolite gravel	0.0 No Recovery: (3.0'-4.0') No Recovery NR ML: (4.0'-6.0') Grayish brown dry silt ML CL: (6.0'-7.5') Yellowish brown dry lean clay with sapprolite gravel

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level
Lab Sample Location





BOREHOLE NO. SS-6

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA TOTAL DEPTH:

ADDRESS:

Glennwood Drive, Washington Crossing, PA

BOREHOLE DIA .: 1-inch

Logged By:

Michael Haezebrouck

6/17/2025

Drilling Method:

Direct Push Grab

Dates Drilled: Parratt-Wolff Drilling Company:

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Dooth	
Depth	
(feet)	

Field Sample Screen Interval (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0		0.0		Topsoil: (0.0'-1.2') Dark olive brown topsoil	Topsoil		Borehole backfilled with bentonite	
1-		0.0						
2-		0.0	18	CH: (1.2'-3.0') Dark olive brown moist fat clay	СН			
		0.0	3					
3-			7	CL: (3.0'-3.5') Olive brown lean clay with sand	CL			Ш
		0.0		No Recovery: (3.5'-4.0') No Recovery	No Recovery			
4-			3	CL: (4.0'-5.0') Light yellowish brown lean clay with sand and gravel	CL			
		0.0	5					
5-			7	CL: (5.0'-6.5') Olive bown lean clay with sand trace sapprolite gravel				
5- s	S-06	0.0	7					
(6.	.0-6.5)	85.7		No Recovery: (6.5'-8.0') No Recovery	No Recovery	Coonsele		
7-						Geoprobe refusal at 8.0'		
В		0.0				1		

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location





BOREHOLE NO. SS-7

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Field

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled:

ADDRESS:

Depth Sample

Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method: Direct Push Grab

Parratt-Wolff Drilling Company:

Rec-

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)	Sample Interval	Field Screen (ppm)	Rec- overy	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0				Topsoil: (0.0'-0.6') Dark olive brown moist topsoil	Topsoil		Borehole backfilled with
1-		0.0		CH: (0.6'-3.0') Dark grayish brown moist fat clay	СН		bentonite
2-		0.0	111				
		0.0	5				
3-				CL: (3.0'-3.5') Dark grayish brown lean clay with sand	CL		
-7		0.0		No Recovery: (3.5'-4.0') No Recovery	No Recovery		
4-		0.0		CH: (4.0'-5.0') Olive brown fat clay with sand	СН		
5-				CL: (5.0'-8.0') Grayish brown lean clay	CL	1	
		0.0	2	with sand trace sapprolite seamlets			
6-			7	1			
		4.3		2		(a. 100 - 10	
7-	SS-07 (7.0-8.0)			B		Geoprobe refusal at 8.0'	
	1 200 20	109.7	-	D		0,0	

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location



p. 1 of 1



BOREHOLE NO. SS-8

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled:

ADDRESS:

Michael Haezebrouck

6/17/2025

Drilling Method:

Direct Push

Sampling Method:

Grab

Parratt-Wolff Drilling Company:

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type: Geoprobe 6620 DT

Field Screening: Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

	Depth (feet)	Sample Interval	Field Screen (ppm)	
ш			(ppiii)	

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0		Topsoil: (0.0'-0.7') Dark olive brown moist topsoil	Topsoil	Borehole backfilled with bentonite
1-	0.0	CH: (0.7'-2.6') Olive brown moist fat clay with sand and gravel	СН	
2-	0.0			
3-	0.0	CL: (2.6'-3.4') Dark grayish brown dry lean clay with sand	CL	
	0.0	No Recovery: (3.4'-4.0') No Recovery	No Recovery	
4-	0.0	CH: (4.0'-5.5') Olive brown dry fat clay with gravel	СН	
5-				
6-	0.0	GP: (5.5'-8.0') Yellowish brown dry poorly graded gravel with sand	GP	
7- _{SS-08}	0.0			Geoprobe refusal at
(7.0-8.0)	0.0			8,0'

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location





BOREHOLE NO. SS-9

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled:

ADDRESS:

Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method: Direct Push Grab

Drilling Company:

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Interval

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth	l
(feet)	l

Field Sample Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0		Topsoil: (0.0'-1.2') Dark brown moist topsoil	Topsoil	Borehole backfilled with bentonite
1-	0.0	Chl. (4.2) 2.0) Velloudek besuge midt fet	СН	
2-	0.0	CH: (1.2'-3.0') Yellowish brown moist fat clay with sand	CH	
s-	0.0	CL: (3.0'-3.5') Olive brown dry lean clay	CL	
	0.0	with sand No Recovery: (3.5'-4.0') No Recovery	No Recovery	
-	0.0	CL: (4.0'-6.0') Medium brown dry lean clay with poorly graded gravel sapprolite	CL	
5-		2		Geoprobe refusal at
SS-09 (5.0-6.0)	0.0	32		6.0'

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location





BOREHOLE NO. SS-10

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

ADDRESS: REDAY Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH: 8'

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled: Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method: Direct Push

od: Grab

Drilling Company:

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth	Sample
(feet)	Interval

Field Screen (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0	0.0	Topsoil: (0.0'-0.8') Dark brown moist topsoil	Topsoil	Borehole backfilled with bentonite
1-	0.0	GP: (0.8'-2.0') Greenish black dry poorly graded argillite gravel	GP	
2-	0.0	No Recovery (2.0) 4.0) No Recovery	No Recovery	
3-	0.7	No Recovery: (2.0'-4.0') No Recovery	No Recovery	
4	1.8	CL: (4.0'-6.4') Medium brown dry lean	CL	
5-	0.0	clay with gravel sapprolite		
5-	0.0	2		
7-	31.3	SM: (6.4'-8.0') Light yellowish brown silty sand	SM	Geoprobe refusal at
SS-10 (7.0-8.0)	349.2			8.0'

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level Lab Sample Location





BOREHOLE NO. SS-11

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH: BOREHOLE DIA .: 1-inch

Logged By: Dates Drilled:

ADDRESS:

Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method: Direct Push Grab

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

S
Ir

Field Sample Screen nterval (ppm)

Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0	0.0	Topsoil: (0.0'-0.6') Very dark olive brown moist topsoil	Topsoil	Borehole backfilled with bentonite
1-	0.0	CH: (0.6'-2.8') Greenish black dry poorly graded argillite gravel	СН	
2-	0.0			
3-	0.0	CL: (2.8'-4.0') Yellowish brown dry lean clay with sand and gravel	CL	
\$S-11 (3.0-4.0)	0.0	No Recovery: (4.0'-5.0') No Recovery	No Recovery	
5				Geoprobe refusal at 5.0'

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level

Lab Sample Location

SS-11



BOREHOLE NO. SS-12

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

Glennwood Drive, Washington Crossing, PA

TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled:

Drill Rig Type:

ADDRESS:

Michael Haezebrouck

Geoprobe 6620 DT

6/17/2025

Direct Push

Sampling Method:

Grab

Parratt-Wolff Drilling Company:

Soil Class. System:

Drilling Method:

Unified Soil Classification System (USCS)

Field Screening: Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Depth (feet)	Sample Interval	Field Screen (ppm)	Rec- overy	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0		0.0		Topsoil: (0.0'-0.5') Dark brown moist topsoil	Topsoil		Borehole backfilled with
1-		0.0		CH: (0.5'-3.6') Brown moist fat clay with gravel	СН		bentonite
2-		0.0					

	0.0			
-	0.0	CL: (3.6'-4.6') Olive yellow dry lean clay with sand	CL	
-	0.0	SM: (4.6'-5.3') Medium brown dry silty sand	SM	
	0.0	SP: (5.3'-6.0') Olive brown dry poorly graded fine sand	SP	
SS-12	0.9	CL: (6.0'-7.0') Olive brown dry lean clay with gravel sapprolite	CL	Geoprobe refusal at 7.0'

General Comments:

bgs - below ground surface ppm - parts per million

NA - not applicable

Symbol Key: Apparent Water Level Lab Sample Location

SS-12



BOREHOLE NO. SS-12 SS-13

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

ADDRESS: Glennwood Drive, Washington Crossing, PA TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled: Michael Haezebrouck

6/17/2025

Drilling Method:

Direct Push Grab

Drilling Company:

Parratt-Wolff

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

Sample Depth (feet) Interval

Field Screen (ppm)

Recovery SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0	0.0	Topsoil: (0.0'-1.0') Dark oli topsoil	ive brown wet Topsoil	Borehole backfilled with bentonite	
1-		CH: (1.0'-3.5') Light olive to clay	prown moist fat CH		
2-	0.0				
3-	0.0				
	1.9	No Recovery: (3.5'-4.0') N	o Recovery No Recovery	-	
5-	0.0	CL: (4.0'-5.5') Light yellow lean clay with sand	ish brown dry CL		
	0.0	SM: (5.5'-6.0') Yellowish b sand	rown dry silty SM	-	
6-	13.1	CL: (6.0'-8.0') Yellowish bit clay with gravel sapprolite	rown dry lean CL		
7-		35		Geoprobe refusal at 8.0'	
SS-13 (7.0-8.0)	38.4	25			

General Comments:

bgs - below ground surface

NA - not applicable

ppm - parts per million

Symbol Key:

Apparent Water Level

Lab Sample Location

p. 1 of 1

SS-12



BOREHOLE NO. SS-14

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

ADDRESS: Glennwood Drive, Washington Crossing, PA TOTAL DEPTH:

BOREHOLE DIA.: 1-inch

Logged By: Dates Drilled: Michael Haezebrouck

6/17/2025

Drilling Method: Sampling Method:

Grab

Direct Push

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type:

Depth Sample Field Rec-

Geoprobe 6620 DT

Field Screening:

Mini-RAE 3000+ 10.6 eV Photoionization Detector (PID)

et)	Interval	Screen (ppm)	overy		SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0		0.0			Topsoil: (0.0'-0.8') Dark olive brown moist topsoil	Topsoil		Borehole backfilled with bentonite
1-				2000200	CH: (0.8'-3.0') Light olive brown moist fat clay with gravel	СН		
2-		0.0		333				
3-		0.0						
		0.0			No Recovery: (3.0'-4.0') No Recovery	No Recovery		
4-		0.0		E.	CL: (4.0'-6.0') Olive brown dry lean clay with sand	CL		
5-				E				
6-		0.0		7	SM: (6.0'-6.5) Olive yellow dry silty sand	SM		
7-		0.0			GM: (6.5'-8.0') Light yellowish brown dry well graded gravel with silt	GM	Geoprobe refusal at	
8	SS-14 (7.0-8.0)	33.1					8.0'	

General Comments:

bgs - below ground surface

ppm - parts per million

NA - not applicable

Symbol Key:

Apparent Water Level

Lab Sample Location

SS-14





RECOVERY WELL

RW-1

Groundwater and Environmental Services, Inc.

Page 1 of 2

Washington Crossing, PA PROJECT: WELL DIAMETER: 4" Open Rock TOTAL DEPTH: 71.5 NM CASING ELEVATION: WATER DEPTH: 51.50' ADDRESS: 108 Spencer Road, Washington Crossing, PA 5" (0-25'); 4" (25'-71.5') BOREHOLE DIAMETER: Daniel Sivco, P.G. Logged By: Drilling Method: Sonic to 25'; Air-Rotary 25'-71.5' 3/18-21/2025 Dates Drilled: Sampling Method: Drilling Company: Parratt-Wolff Soil Class. System: Unified Soil Classification System (USCS) Drill Rig Type: Boart Longyear LS-250 Mini Sonic; CME 55 HT Truck-Mounted Air-Rotary Drill Rig Field Screening: PID 10.6 eV Lamp (ppm) Rec-Field Depth Sample Screen overv SAMPLE LITHOLOGY (USCS) Stratigraphy Comments COMPLETION DETAILS Interval (feet) (ppm) (inches) 0 Topsoil: (0-0.25') Grass and topsoil Topsoil Flush-mounted Handcleared via well vault with ML 0.0 ML: (0.25'-1') Orange-brown silt with clay. hand-auger locking cap trace fine-grained sand, slightly moist Lab 0.0 to 5' bgs sample ML: (2'-3') Orange-brown silt, little clay, collected at 1'-2' 0.0 trace fine-grained sand, slightly moist 0.0 (0'-0.5')5 ML: (3'-4') Orange-brown silt with sand, Concrete Lab 0.0 Began sonic trace clay, slightly moist sample drilling at 5' 0.0 ML: (4'-5') Brown silt with clay, trace at 4'-5' bgs 0.0 angular argillite gravel 0.0 (5'-8') 4" to ML: (5'-8') Brown to purple-brown silt with 6" diameter sand, some sub-angular argillite gravel, 0.0 10 cobbles few argillite cobbles X 0.0 (0.5-25') Grout ML: (8'-10') Brown to maroon silty-sand, Lab 0.0 **ARGILLITE** (10'-11') 4" sample some angular argillite gravel, few argillite to 8" cobbles at 10'-11 diameter ML: (10'-11') Brown to light-brown sandy cobbles silt, few argillite cobbles (11'-12') 4" 15 to 8" ARGILLITE: (11'-12') Red-brown argillite diameter ARGILLITE: (12'-23') Red-brown argillite, cobbles moderately fractured, 40% recovery Began air 20 rotary at 25' 0.0 (0-25') 5" casing bgs installed to 25' 0.0 bgs 0.0 SM: (23'-24') Brown coarse-grained sand SM 0.0 with silt and clay, some coarse gravel ARGILLITE ARGILLITE: (24'-25') Red-brown argillite, 25 moderately fractured 0.0 ARGILLITE: (25'-34.5') Reddish-brown argillite, slightly moist 30 4.6 Water at 30' with 3.8 petroleum odor 35 ARGILLITE: (34.5'-54.5') Red-brown to gray argillite



RECOVERY WELL

RW-1

Groundwater and Environmental Services, Inc.

Page 2 of 2

71.5

Washington Crossing, PA PROJECT:

WELL DIAMETER: CASING ELEVATION: 4" Open Rock

TOTAL DEPTH:

ADDRESS: 108 Spencer Road, Washington Crossing, PA

NM

WATER DEPTH: 51.50'

BOREHOLE DIAMETER:

5" (0-25'); 4" (25'-71.5')

Logged By:

Daniel Sivco, P.G.

Drilling Method:

Sonic to 25'; Air-Rotary 25'-71.5'

Dates Drilled:

3/18-21/2025

Sampling Method:

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type:

Parratt-Wolff

Soil Class. System: Boart Longyear LS-250 Mini Sonic; CME 55 HT Truck-Mounted Air-Rotary Drill Rig

Field Screening: PID 10.6 eV Lamp (ppm)

Depth	Samp
(feet)	Interv

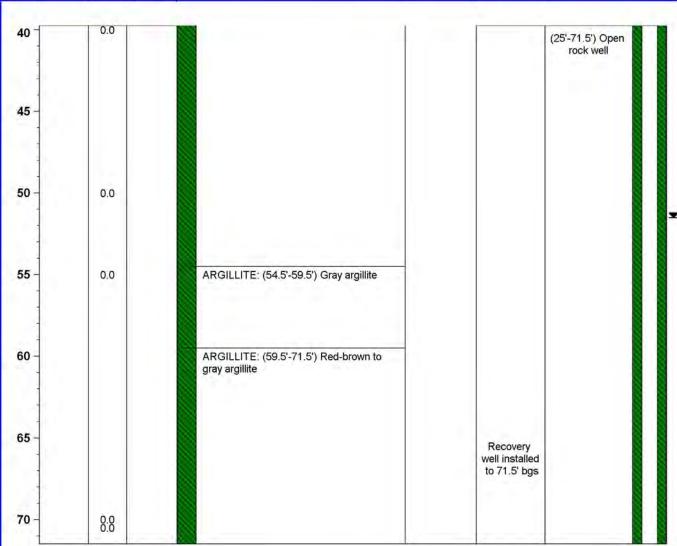
ole	Field	Rec-
al	Screen	overy
	(ppm)	(inches

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS





Symbol Key:

Apparent Water Level Soil Sample Location



RW-2

Groundwater and Environmental Services, Inc.

Page 1 of 1

63.0

PROJECT: Washington Crossing, PA

WELL DIAMETER:

6" Open Rock

TOTAL DEPTH:

ADDRESS: 108 Spencer Road, Washington Crossing, PA

WATER DEPTH: 22.04'

CASING ELEVATION:

NM

8" (0-10"); 6" (10'-63.0") BOREHOLE DIAMETER:

Logged By:

Michael Haczebrouck

Drilling Method:

Air-Rotary 0'-63.0'

Dates Drilled:

5/21/2025 Augered: 5/19/2025

Sampling Method:

Drilling Company:

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

CME 55 HT Air Rotary

Field Screening:

PID 10.6 eV Lamp (ppm)

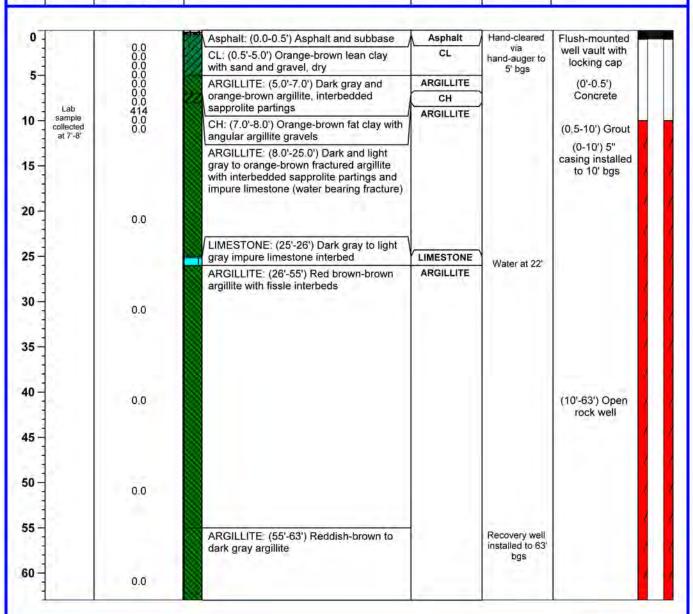
Depth (feet)

Field Sample Screen Interval (ppm)

SAMPLE LITHOLOGY (USCS)

Stratigraphy Comments

COMPLETION DETAILS



General Comments:

ags = Above ground surface

bgs = Below ground surface

ppm = Parts per million

Symbol Key:

Apparent Water Level Soil Sample Location

RW-2



RW-3

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: Washington Crossing, PA

WELL DIAMETER:

6" Open Rock

TOTAL DEPTH:

ADDRESS: 108 Spencer Road, Washington Crossing, PA

CASING ELEVATION: NM

65.0 WATER DEPTH: 20,26

BOREHOLE DIAMETER:

8" (0-10"); 6" (10'-65.0")

Logged By:

Michael Haczebrouck

Drilling Method:

Dates Drilled:

5/22/2025 Augered: 5/19/2025

Sampling Method: Grab

Air-Rotary 0'-65.0'

Drilling Company:

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

CME 55 HT Air Rotary

Field Screening:

PID 10.6 eV Lamp (ppm)

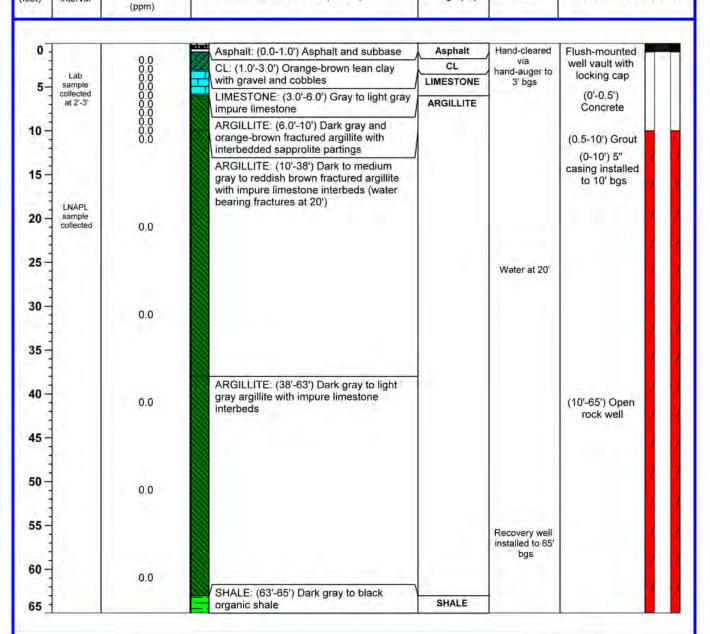
Depth (feet)

Field Sample Screen Interval

SAMPLE LITHOLOGY (USCS)

Stratigraphy Comments

COMPLETION DETAILS



General Comments:

ags = Above ground surface

bgs = Below ground surface

ppm = Parts per million

Symbol Key:

Apparent Water Level Soil Sample Location

RW-3



RW-4

Groundwater and Environmental Services, Inc.

Page 1 of 1

60.0

PROJECT: Washington Crossing, PA

WELL DIAMETER:

6" Open Rock

TOTAL DEPTH:

ADDRESS: 108 Spencer Road, Washington Crossing, PA

CASING ELEVATION:

WATER DEPTH: 12.00'

NM

BOREHOLE DIAMETER:

8" (0-10"); 6" (10'-65.0")

Logged By:

Michael Haczebrouck

Drilling Method:

Air-Rotary 0'-65.0'

Dates Drilled:

5/22/2025 Augered: 5/19/2025

Sampling Method:

Drilling Company:

Parratt-Wolff

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

CME 55 HT Air Rotary

Field Screening:

PID 10.6 eV Lamp (ppm)

Depth (feet)

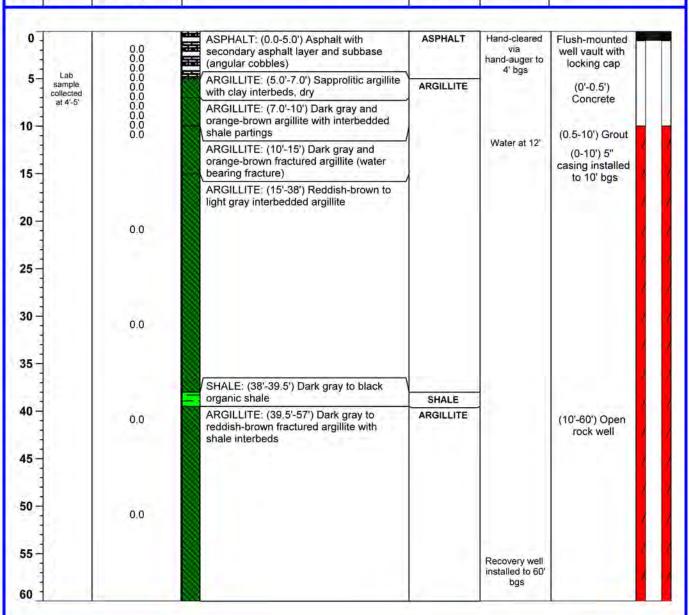
Field Sample Screen Interval (ppm)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS



General Comments:

ags = Above ground surface

bgs = Below ground surface

ppm = Parts per million

Symbol Key: Apparent Water Level

Soil Sample Location

RW-4





MW-1S

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION:

40'

NM

6" BOREHOLE DIAMETER:

Logged By:

Michael Haezebrouck

Drilling Method:

WATER DEPTH: 24.26'

Dates Drilled:

7/31/2025

Air-Rotary

Drilling Company:

Summit Drilling

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening:

PID 10.6 eV Lamp (ppm)

2"

Depth (feet)

Field Sample Screen Interval

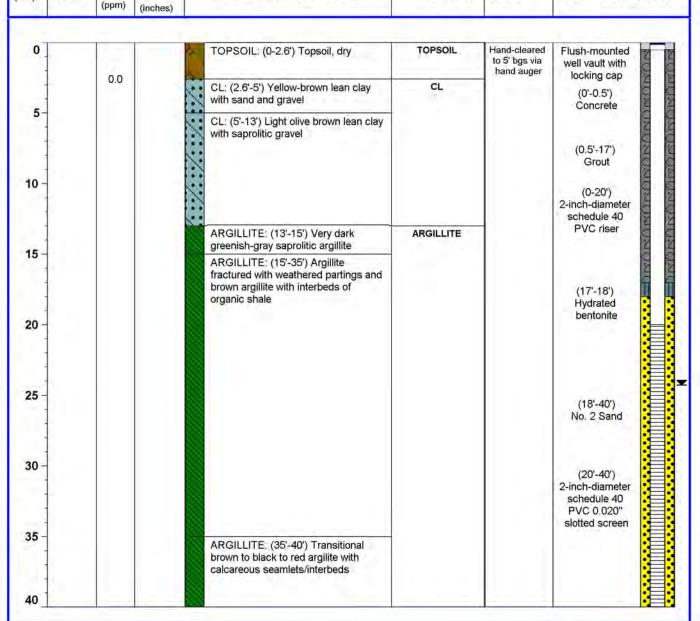
Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS





bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Water Depth obtained from the 8/4/25 gauging event

Symbol Key: Apparent Water Level

MW-18 p. 1 of 1

×



MW-1D

Groundwater and Environmental Services, Inc.

Rec-

Field

Depth Sample

Page 1 of 1

PROJECT: SPLP - Washington Crossing 2" WELL DIAMETER: TOTAL DEPTH:

NM CASING ELEVATION: WATER DEPTH: 27.84' ADDRESS: Washington Crossing, PA

BOREHOLE DIAMETER:

Mike Haezebrouck Drilling Method: Air-Rotary Logged By: 7/30/2025 Dates Drilled: Sampling Method: Grab

Drilling Company: Summit Drilling Soil Class. System: Unified Soil Classification System (USCS)

Drill Rig Type: Reichdrill T-650 W-II Field Screening: PID 10.6 eV Lamp (ppm)

(feet)	Interval	Screen (ppm)	overy (inches)	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAIL
Og-						1	
0				TOPSOIL: (0-0.33') Topsoil	TOPSOIL	Hand-cleared to 5' bgs	Flush-mounted well vault with
5-				CL: (0.33'-5') Yellowish brown lean clay with sand and gravel	CL	1 10 0 0 0 0	locking cap
				SAPROLITE: (5'-10') Very pale brown saprolitic argillite	SAFROLITE		(0'-0.5')
10 -				ARGILLITE: (10'-25') Dark gray to dark yellowish brown argillite	ARGILLITE	1	Concrete
15 -				interbedded with brown weathered argillite			(0.5'-47') Grout
20 -							
25 -				ARGILLITE: (25'-40') Dark gray to greenish gray fractured argillite			(0-50') 2-inch-diameter
30 -				greenish gray tractured argillite			schedule 40 PVC riser
35 -							2020
40 -				ARGILLITE: (40'-45') Dark gray to dark brown to red-brown argillite with organic shale interbeds			Deliber
45 -				ARGILLITE: (45'-60') Dark brown to strong brown to greenish gray argillite			100
50 -				Strong brown to greenish gray arguitte			(47'-48')
55 -							Hydrated bentonite
60 -				ARGILLITE: (60'-70') Grayish brown fractured argillite			(48'-75') No. 2 Sand
65 -							(50'-75')
70 -				ARGILLITE: (70'-75') Greenish black argillite with organic shale interbeds			2-inch-diameter schedule 40 PVC 0.020" slotted screen
75]			arginite with organic shale interbeds			

General Comments:

75

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Water Depth obtained from the 8/4/25 gauging event

Symbol Key:

Apparent Water Level

MW-1D



MW-2S

Groundwater and Environmental Services, Inc.

Page 1 of 1

40'

PROJECT: SPLP - Washington Crossing

WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

BOREHOLE DIAMETER:

WATER DEPTH: 26.50'

Drilling Method: Air-Rotary

Logged By: 8/1/2025 Dates Drilled:

Field

Grab

2"

6"

Drilling Company:

Sample

Summit Drilling

Mike Haezebrouck

Sampling Method: Soil Class. System:

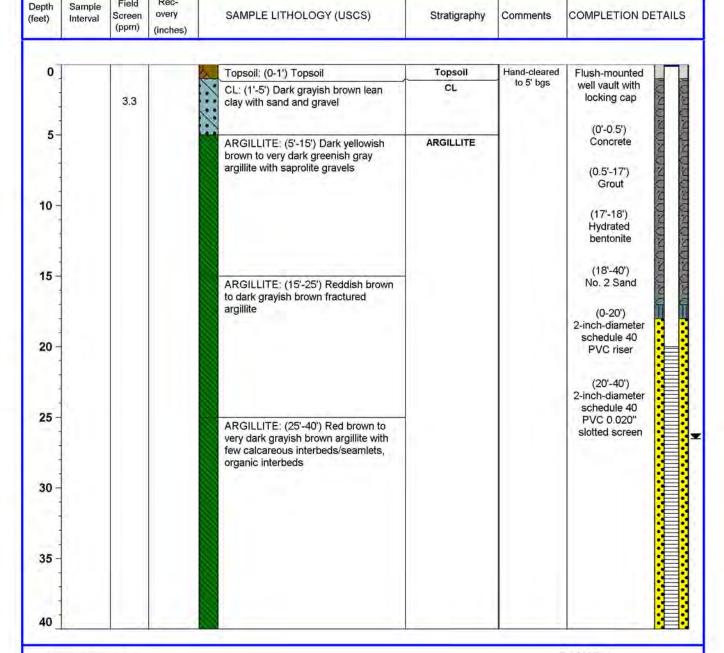
Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Rec-

Field Screening: PID 10.6 eV Lamp (ppm)





bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Water Depth obtained from the 8/4/25 gauging event

Symbol Key: Apparent Water Level

MW-2S

p. 1 of 1

×



MW-2D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP-Washington Crossing

WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

WATER DEPTH: 28.30

G.

BOREHOLE DIAMETER: 6"

Logged By:

Mike Haezebrouck

rouck Drilling Method:

Dates Drilled: Drilling Company: 7/31/2025 Summit Drilling Sampling Method: Grab

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening:

PID 10.6 eV Lamp (ppm)

2"

Air-Rotary

Depth (feet) Sample Field Screen (ppm)

Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

75

		TOPSOIL: (0-3.17') Dark brown	TOPSOIL	Hand-cleared to 2.25' bgs	Flush-mounted well vault with
	0.8	topsoil ML: (3.17'-5') Brownish yellow lean	ML	via air knife	locking cap
		clay with sand and gravel	SAPROLITE	and vacuum excavation	
		SAPROLITE: (5'-10') Light yellowish brown saprolite	ARGILLITE		(0'-0.5') Concrete
		ARGILLITE: (10'-35') Dark reddish brown to dark grayish brown fractured	ARGILLITE	1 -	
		argillite			(0.5'-47') Grout
				(18' bgs) Competent Bedrock Begins	Grout
				Degins	(0-50') 2-inch-diameter
1					schedule 40 PVC riser
		ARGILLITE: (35'-50') Dark reddish brown argillite with interbedded			
1		organic shale, few calcareous interbed/seamlets			
4					
		ARGILLITE: (50'-60') Very dark gray			(47'-48')
		to black argillite			Hydrated bentonite
1			_		(48'-75') No. 2 Sand
1		ARGILLITE: (60'-75') Very dark black to black argillite with organic thin shale			
1		partings			(50'-75') 2-inch-diameter
1					schedule 40 PVC 0.020"
3					slotted screen

General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Water Depth obtained from the 8/4/25 gauging event

Symbol Key:

Apparent Water Level

MW-2D



MW-3S

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2" TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM WATER DEPTH: 36'

BOREHOLE DIAMETER:

Logged By: Dates Drilled: Mike Haezebrouck 7/30/2025

Drilling Method:

Soil Class. System:

Drilling Company:

Summit Drilling

Sampling Method: Grab

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Air-Rotary

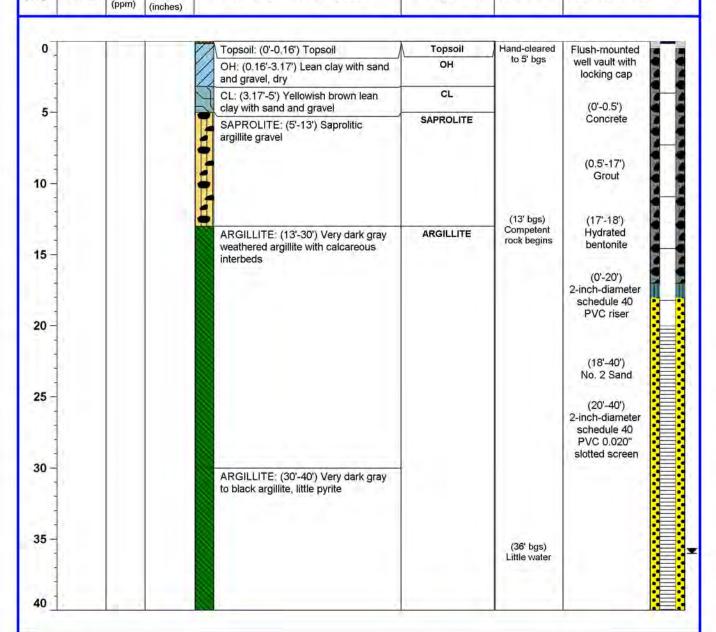
Field Screening: PID 10.6 eV Lamp (ppm)

Depth	Sample	Field	F
(feet)	Interval	Screen	0
Comment		(nnm)	25

Recvery

SAMPLE LITHOLOGY (USCS)

Stratigraphy Comments COMPLETION DETAILS



General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level Soil Sample Location

器

MW-3S



MW-3D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2"

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

WATER DEPTH: 25'

BOREHOLE DIAMETER: 6

Mike Haezebrouck

Drilling Method:

.

Logged By: Dates Drilled:

7/29/2025

Sampling Method:

Grab

Drilling Company:

Summit Drilling

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type: Reichdrill T-650 W-II Field Screening:

PID 10.6 eV Lamp (ppm)

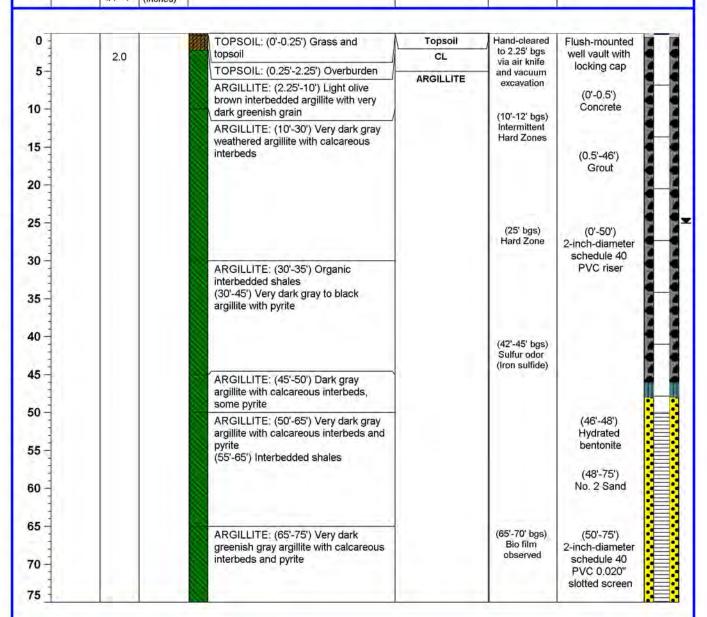
Air-Rotary

Depth (feet) Sample Field Interval Screen (ppm) Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy Comments

COMPLETION DETAILS



General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

ei 🗷

MW-3D



MW-4S

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2"

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

WATER DEPTH: 25'

BOREHOLE DIAMETER:

Section 6474

SAMPLE LITHOLOGY (USCS)

Drilling Method:

Soil Class. System:

Air-Rotary

Drilling Company: Summit Drilling

Sample

Interval

Sampling Method: Grab

Unified Soil Classification System (USCS)

Stratigraphy

Drill Rig Type:

Logged By:

Depth

(feet)

Dates Drilled:

Reichdrill T-650 W-II

Rec-

overy

(inches)

Peter Reichardt

7/24/2025

Field

Screen

(ppm)

Field Screening: PID 10.6 eV Lamp (ppm)

Comments

COMPLETION DETAILS

0			ASPHALT: (0'-0.5') Asphalt and	ASPHALT	Hand-cleared	Flush-mounted
	0.3		sub-base ML: (0.5'-5') Brown silt, moist	ML	to 5' bgs via hand auger	well vault with locking cap
-1		Į (i	The total of broth one, motor			
5-	0.0		ARGILLITE; (5'-10') Brown Argillite, some silt and gravel	ARGILLITE	1	(0'-0.5') Concrete
			some siit and gravei	16		(0.5'-11') Grout
0 -	0.2		ARGILLITE: (10'-15') Dark gray argillite, some to trace silt	4		(11'-13') Hydrated bentonite
5 -	0.1		ARGILLITE: (15'-20') Dark gray argillite, trace silt	4		(13'-40') No. 2 Sand
0 -	0.1		ARGILLITE: (20'-25') Olive brown			(0'-15') 2-inch-diameter schedule 40 PVC riser
]	30		argillite, trace silt			(15'-40') 2-inch-diameter
5 –	0.3		ARGILLITE: (25'-30') Dark greenish gray argillite		(25' bgs) Little water	schedule 40 PVC 0.020" slotted screen
0 –	0.3		ARGILLITE; (30'-35') Dark gray			
5 -	0.2		ARGILLITE: (35'-40') Gray argilite	1		
0	0.2					



bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-4S



MW-4D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

2" WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

NM CASING ELEVATION:

WATER DEPTH: 65'

BOREHOLE DIAMETER:

Peter Reichardt Logged By: Dates Drilled:

7/24/2025

Drilling Method:

Sampling Method:

Grab Unified Soil Classification System (USCS)

Drilling Company:

Interval

Summit Drilling

Soil Class. System:

Air-Rotary

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening: PID 10.6 eV Lamp (ppm)

Depth
(feet)

Field Sample Screen (ppm)

Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

	ASPHALT: (0'-0.5') Asphalt and	ASPHALT	Hand-cleared	Flush-mounted
0.2 0.1	sub-base	ML	to 5' bgs via hand auger	well vault with
0.1	ML: (0.5'-2') Dark yellowish brown silt, trace sand, moist	ARGILLITE		locking cap
0.1	ML: (2'-4') Brown silt, trace sand, moist			(0'-0.5') Concrete
0,1	ML: (4'-5') Brown silt, trace argillite fragments			
	ARGILLITE: (5'-10') Brown argillite, some silt		(18' bgs)	(0.5'-47') Grout
0.1	ARGILLITE: (10'-20') Gray argillite, trace silt		Competent rock begins	
0.2	ARGILLITE: (20'-25') Brown gray argillite			(0'-51')
0.2	ARGILLITE: (25'-35') Gray argillite		1	2-inch-diameter schedule 40 PVC riser
			(33' bgs) Soft Zone	
0,2	ARGILLITE: (35'-60') Greenish gray argillite			
0.1			(35'-40' bgs) Driller introduced water	
0.2			(46' bgs) Soft Zone	
0.1			(52' bgs) Soft Zone	(47'-49') Hydrated
0.2			Soil Zone	bentonite
0.4	ADOULTE: (COL 75) A114		2.0	(49'-75') No. 2 Sand
0,1	ARGILLITE: (60'-75') Argillite with organic shale, very wet		(62' bgs) Soft Zone	
0.1			(68' bgs)	(51'-75') 2-inch-diameter
0.1			Soft Zone	schedule 40 PVC 0.020" slotted screen

General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-4D



MW-5S

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2"

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION:

TOTAL DEL

BOREHOLE DIAMETER:

Logged By:

Peter Reichardt

Drilling Method:

WATER DEPTH: 20'

Dates Drilled: 7

7/23/2025

Sampling Method:

Grab

Drilling Company:

Summit Drilling

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening:

PID 10.6 eV Lamp (ppm)

NM

Air-Rotary

Depth (feet)

Sample Field Screen

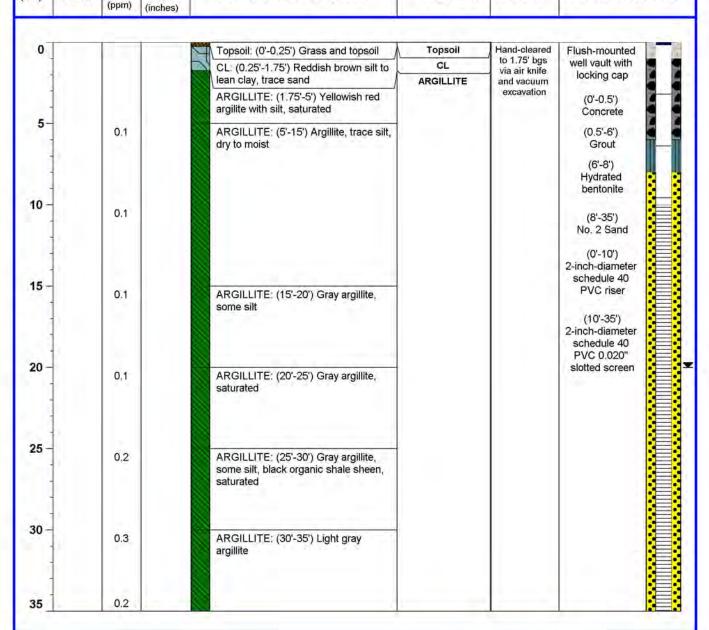
Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS



General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

61 1

MW-5S



MW-5D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2"

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

MATER REPTIL

BOREHOLE DIAMETER:

Logged By:

Peter Reichardt / Mike Haezebrouck

Drilling Method:

WATER DEPTH: 45'

Dates Drilled:

7/22/2025

Air-Rotary

Sampling Method: Grab

Unified Soil Classification System (USCS)

Drilling Company: Drill Rig Type: Summit Drilling Reichdrill T-650 W-II Soil Class. System: Field Screening:

PID 10.6 eV Lamp (ppm)

Depth Sample (feet) Interval

Field Screen (ppm) Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

	Topsoil: (0'-0,25') Grass and topsoil	Topsoil	Hand-cleared	Flush-mounted
	CL: (0.25'-5') Reddish brown silt to lean clay, trace sand	CL	to 2.25' bgs via air knife	well vault with locking cap
0.5	ARGILLITE: (5'-10') Reddish brown agillite, trace silt	ARGILLITE	and vacuum excavation	(0'-0.5')
1.1	ARGILLITE: (10'-25.5') Gray to dark gray agrillite, with organic black shale			Concrete
0.0				(0.5'-51') Grout
0.0				
0,1	ARGILLITE: (25.5'-27.5') Black to dark gray argillite with coal-shale-organic shale seams			(0'-55')
0.0	ARGILLITE: (27.5'-35') Very dark gray to dark gray argillite		l A	2-inch-diameter schedule 40 PVC riser
0.1	ARGILLITE: (35'-42') Dark gray to very dark gray argillite		(35' bgs) Soft Zone	
0.1	very dank gray arguinte		(45' bgs)	
0.1	ARGILLITE: (42'-55') Dark grayish brown argillite		Water bearing zone	
			(47' bgs) Soft Zone	1. 5
0.1			(51' bgs) Soft Zone	(51'-53') Hydrated bentonite
0.1	ARGILLITE: (55'-60') Dark greenish argillite			(53'-75')
0.1	ARGILLITE: (60'-65') Very dark gray argillite			No. 2 Sand
0.0	ARGILLITE: (65'-70') Very dark greenish gray argillite to marl shale		(65' bgs) Soft Zone	(55'-75') 2-inch-diameter
0.0	ARGILLITE: (70'-75') Dark gray		(69' bgs) Soft Zone	schedule 40 PVC 0.020" slotted screen

General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-5D



MW-6S

Groundwater and Environmental Services, Inc.

Page 1 of 1

39.2"

PROJECT: SPLP - Washington Crossing

WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

NM CASING ELEVATION:

WATER DEPTH: 35'

BOREHOLE DIAMETER:

Logged By: Dates Drilled: Brian Hale P.G.

Drilling Method:

8/5-6/2025

Sampling Method:

Drilling Company:

Summit Drilling

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening: PID 10.6 eV Lamp (ppm)

Air-Rotary

Depth	l
(feet)	

Field Sample Screen Interval (ppm)

Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

2"

Comments

COMPLETION DETAILS

0	0.0	ASPHALT: (0'-0.5 sub-base gravel v		to refund at	Flush-mounted well vault with
	0.3		rown silt and sand	1.08' bgs	locking cap
	0.0	ML: (1.08'-5') Bro angular gravel, sli	wn silt, trace fine		(0'-2') Concrete
		ML: (5'-10') Brown fine anglar gravel, slightly moist	silt and clay, trace low-plasticity,		(2'-15') Grout
	0.0	ML: (10'-15') Brov angular gravel, sli	vn silt and fine ghtly moist		(0'-20') 2-inch-diameter schedule 40 PVC riser
	0.0	ML: (15'-20') Oral fine sand, slightly	nge-brown silt with moist		(15'-18') Hydrated bentonite
	0.0	GM: (20'-25') Brogravel with some slightly moist to m	wn silt and rounded GN clay, low plasticity, loist		(18'-39') No. 2 Sand (20'-39')
	0.3	GM: (25'-32') Brogravel with silt, me	wn rounded medium oist to saturated	(25' bgs) Fractured Rock	2-inch-diameter schedule 40 PVC 0.020" slotted screen
	0.1			(25'-30' bgs) Driller introduced	
		ARGILLITE: (32'- tan weathered arg	39.2') Dark-brown to illite, saturated	LITE	
-	0.0			(35' bgs) Water observed	

General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

p. 1 of 1

MW-6S



MW-6D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2" TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

NM CASING ELEVATION:

WATER DEPTH: 60'

BOREHOLE DIAMETER:

Brian Hale P.G.

Drilling Method: 8/5/2025

Sampling Method:

Drilling Company: **Summit Drilling** Soil Class. System: Unified Soil Classification System (USCS)

Drill Rig Type:

Sample

Interval

Dates Drilled:

Logged By:

Reichdrill T-650 W-II

Field Screening: PID 10.6 eV Lamp (ppm)

Air-Rotary

Depth	l
(feet)	
	ı

Rec-Field Screen overy (ppm) (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy Comments COMPLETION DETAILS

0.		ASPHALT: (0'-0.5') Asphalt and sub-base with gravel and silt	ASPHALT ML	Hand-cleared to refusal at	Flush-mounted well vault with
0.	- I	ML: (0.5'-1.17') Brown silt and sand with coarse angular gravel		1.17' bgs	locking cap
		ML: (1.17'-5') Brown silt, slightly moist			(0'-2')
0	0	ML: (5'-10') Brown to dark-brown clay, low-plasticity, moist			Concrete
0.	0	ML: (10'-15') Brown silt, trace gray-brown clay, moist			(2'-46')
0.	0	ML: (15'-25') Brown silt, fine angular weathered gravel, slightly moist			Grout
0.	0	ML: (25'-30') Brown clay with angular bedrock gravel, medium-plasticity, moist			(0'-50') 2-inch-diameter
0.	2	ML: (30'-36') Brown silt and fine angular gravel, slightly moist			schedule 40 PVC riser
0,	2	ARGILLITE: (36'-44') Brown	ARGILLITE		
		weathered argillite, slightly moist	THE STATE OF THE S	11	
0.	1			11.25	
0.	1	ARGILLITE: (44'-60') Red-brown argillite, slightly moist		(44' bgs) Competent bedrock begins	(46'-48')
0.	o				Hydrated bentonite
0.	1				Dog To
Ó	0	ARGILLITE: (60'-65') Brown argillite		(66' bgs)	(48'-75') No. 2 Sand
"		and organic shale streaking, saturated		Fractured Zone	
0.	0	ARGILLITE: (65'-70') Brown argillite, less organic shale streaking than observed at 60'-65', saturated		(71' bgs) Fractured Zone	(50'-75') 2-inch-diameter schedule 40
0.	0	ARGILLITE: (70'-75') Black argillite, saturated		(73' bgs) Fractured	PVC 0.020" slotted screen

General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-6D



MW-7S

Groundwater and Environmental Services, Inc.

Page 1 of 1

40

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2"

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

WATER DEPTH:

BOREHOLE DIAMETER:

Drilling Method:

ethod: Air-Rotary
Method: Grab

Drilling Company:

Logged By:

Dates Drilled:

8/5, 8/7/2025 Summit Drilling

Brian Hale P.G.

Sampling Method: G

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Soil Class. System: Field Screening:

PID 10.6 eV Lamp (ppm)

Depth (feet) Sample Field Screen (ppm)

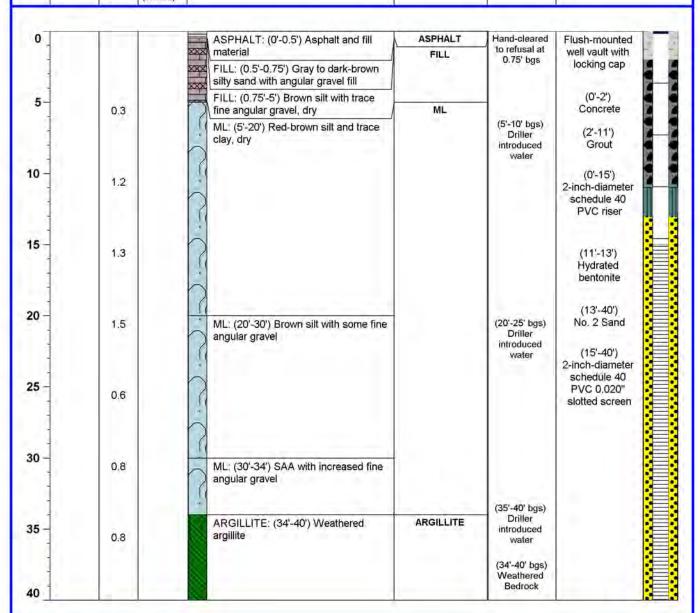
Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS



General Comments:

bgs = Below ground surface, SAA = Same as above ppm = Parts per million, NM = Not measured Symbol Key:

Apparent Water Level

E) **X**

MW-78



MW-7D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

NM CASING ELEVATION:

WATER DEPTH:

BOREHOLE DIAMETER:

2"

Logged By: Dates Drilled: Brian Hale P.G.

8/5-6/2025

Drilling Method:

Air-Rotary Grab

Drilling Company:

Summit Drilling

Sampling Method: Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening:

PID 10.6 eV Lamp (ppm)

Depth (feet)

Field Sample Screen Interval (ppm)

Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

1	ASPHALT: (0'-0.5') Asphalt and fill	ASPHALT	Hand-cleared	Flush-mounted
1	material	FILL	to refusal at 0.8' bgs	well vault with locking cap
0.0	FILL: (0.5'-0.8') Gray to dark-brown silty sand with angular gravel fill	ML		4
0.0	FILL: (0.8'-5') Brown silt and fine sand trace fine angular gravel, dry			(0'-2') Concrete
1 1791	ML: (5'-10') Red-brown silt, trace fine sand, dry			
0.0	ML: (10'-15') SAA, no sand			(2'-45')
0.0	ML: (15'-25') Red-brown silt and clay with trace coarse sand, low-plasticity, moist			Grout
0.0	CL: (25'-30') Red-brown clay and silt with trace fine angular gravel, low-plasticity, moist	CL		(0'-50') 2-inch-diamete schedule 40
0.0	GM: (30'-32') Red-brown fine angular	GM		PVC riser
	gravel with red-brown silt and coarse sand, moist	ARGILLITE	1	
0.0	ARGILLITE: (32'-38') Red-brown weathered argillite		(38' bgs)	
0.0	ARGILLITE: (38'-45') Brown argillite		Competent bedrock begins	
0.0	ARGILLITE: (45'-60') Dark-brown to black argillite			(45'-48') Hydrated
0.0			(50' bgs) Driller introduced	bentonite
0.0			water	Catalon
0.0	ARGILLITE; (60'-65') Brown argillite with dark organic streaking		(60'-65' bgs) Driller	(48'-75') No. 2 Sand
0.0	ARGILLITE: (65'-75') Black argillite		introduced water	(50'-75')
	with dark organic streaking		1000	2-inch-diamete
0.0			(70'-75' bgs) Driller introduced	schedule 40 PVC 0.020" slotted screen

General Comments:

bgs = Below ground surface, SAA = Same as above ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-7D



MW-8S

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

WELL DIAMETER: 2"

BOREHOLE DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

CASING ELEVATION: NM

Air-Rotary

Grab

WATER DEPTH: 14'

Logged By:

Michael Haezebrouck

Drilling Method:

Dates Drilled:

8/5/2025, 8/8/2025

Drilling Company:

Summit Drilling

Sampling Method:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Soil Class. System: Field Screening:

PID 10.6 eV Lamp (ppm)

Depth (feet)

Field Sample Screen Interval (ppm)

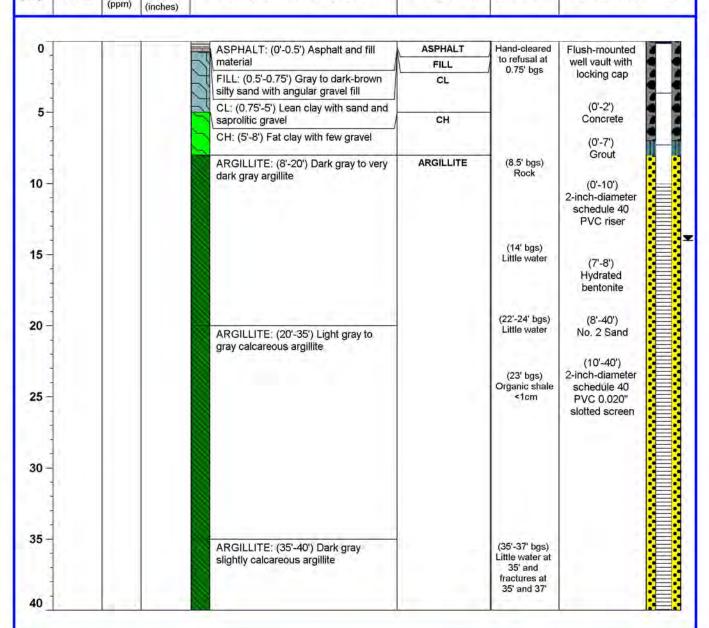
Recovery

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS



General Comments:

bgs = Below ground surface

ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-8S



MW-8D

Groundwater and Environmental Services, Inc.

Page 1 of 1

PROJECT: SPLP - Washington Crossing

2" WELL DIAMETER:

TOTAL DEPTH:

ADDRESS: Washington Crossing, PA

NM CASING ELEVATION:

WATER DEPTH: 32'

BOREHOLE DIAMETER:

Logged By: Dates Drilled: Michael Haezebrouck 8/5/2025, 8/8/2025

Drilling Method:

Air-Rotary Sampling Method:

Grab

Drilling Company:

Summit Drilling

Soil Class. System:

Unified Soil Classification System (USCS)

Drill Rig Type:

Reichdrill T-650 W-II

Field Screening:

PID 10.6 eV Lamp (ppm)

Depth (feet)

Field Sample Screen Interval (ppm)

Recovery (inches)

SAMPLE LITHOLOGY (USCS)

Stratigraphy

Comments

COMPLETION DETAILS

0 -		ASPHALT: (0'-0.5') Asphalt and fill	ASPHALT	Hand-cleared	Flush-mounted
1		material	FILL	to refusal at 0.7' bgs	well vault with
	0.0	FILL: (0.5'-0.7') Dark-brown to gray silty-sand with angular gravel fill	CLAY		locking cap
-	0.0	CLAY: (0.7'-5') Lean clay with sand and saprolitic gravel, dry	ARGILLITE	(8' bgs) Hammering	(0'-2') Concrete
1	0.0	CLAY; (5'-8') SAA with no sand	1	(12'-15' bgs)	
4	0.0	ARGILLITE: (8'-20') Dark-gray to very dark greeninsh-gray argillite with organic shale parings, interbeds		Very stiff (18'-20' bgs)	(2'-47') Grout
)-	0.0	ARGILLITE: (20'-35') Light-gray to gray calcareous argillite		Organic shale pairings <1 cm	
5-	0.0				(0'-50') 2-inch-diameter
) -	0.0			(30' bgs) No water (32' bgs)	schedule 40 PVC riser
i	0.0	ARGILLITE: (35'-40') Dark-gray clacareous argillite		Little water	
+	0.0	ARGILLITE: (40'-55') Dark-gray to brown red-brown argillite		(42'-45' bgs)	
5-	0.0			Little water	(47'-48')
) -	0.0			(50' bgs) Vertical joint	Hydrated bentonite
5-	0.0	ARGILLITE: (55'-75') Red-brown to brown argillite		(53'-55' bgs) Fracture with	(48'-75')
0 -	0.0	2000000		little water	No. 2 Sand
i	0.0			(60' bgs) Organic shale interbeds	(50'-75') 2-inch-diameter
)-	0.0			(71'-73' bgs) Fracture with little water	schedule 40 PVC 0.020"
5				1 (slotted screen

General Comments:

bgs = Below ground surface, SAA = Same as above ppm = Parts per million, NM = Not measured

Symbol Key:

Apparent Water Level

MW-8D