

APPENDIX A

New Monitoring Well Construction Logs

CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/22/2019 DRILLING COMPLETED 11/22/2019 NORTHING 423939.69 ft EASTING 872395.20 ft
 DRILLER Groundwater Protection GROUND ELEVATION 7.74 ft BORING DIAMETER 6 in.
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 7.30 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Geoprobe 8140LS LOGGED BY C. Hug CHECKED BY A. Reimer

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
0	Asphalt paving to 3 in. Hand auger to 5 ft.		SAND with GRAVEL, Dark brown (10YR 3/3) and black, fine to medium grained, subrounded, quartz, moist, strong petroleum odor. From 3 ft: Wet.	1,730 3,121 1,837 1,536	
5			SAND, Black (10YR 2/1) and very dark brown (10YR 3/1), fine to medium grained, subrounded, quartz, wet, some wood fragments and roots, sheen at 5 ft, back staining up to 8 ft. From 8 ft: Light gray (2.5Y 7/1).	2.7 1,920 328.4 428.7 415.6	
10			SAND, Yellowish brown (10YR 5/4), fine to medium grained, subrounded, quartz, wet, trace fines. From 10.5 ft: Trace silt.	423.8 -2.3 263.6 3.7 14.3	
15			SAND with CLAY/CLAYEY SAND, Dark greenish gray (GLEY 2 3/1), fine grained, subrounded, quartz, wet.	1.9 3.6 2.9 0.3	← Bentonite grout
20			SAND, Dark greenish gray (GLEY 2 3/1), medium grained, subrounded, quartz, wet, slightly clayey.	-8.3 -10.3 0.0 2.4	← 2 in. Schedule 40 PVC
25			CLAY, Bluish gray (GLEY 2 5/1), medium to high plasticity, soft to firm, wet. Trace of very fine grained sand.	-12.3 0.2 1.2 0.0 0.0	
30			CLAYEY SAND, Bluish gray (GLEY 2 5/1), fine to medium grained, subrounded, wet, with white angular shell fragments.	0.1 -17.3 0.1 0	
			SAND, Light bluish gray (GLEY 2 7/1), fine to medium grained, subrounded, quartz, wet.	-20.3 0.0 0.1	

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CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
30					
			SAND, Light bluish gray (GLEY 2 7/1), fine to medium grained, subrounded, quartz, wet. <i>(continued)</i> From 30 ft: Trace fines, wet.	0.2	
			At 33 ft: Clay stringers up to 1 in. wide.	0.8	
				1.0	
				1.2	
35			36.25 ft to 36.40 ft: Some clay stringers.	0.2	
				0.0	
				0.0	
				0.0	
				0.1	
				0.4	
40			SAND, Greenish gray (GLEY 1 6/1), medium grained, subrounded, quartz, wet, with fine white shell fragments.	0.3	
				1.2	
				0.5	
				1.1	
45				0.9	
				3.2	
				0.8	
				1.0	
50				0.0	
				0.3	
			Bottom of borehole at 50.0 ft.		

CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/20/2019 DRILLING COMPLETED 11/20/2019 NORTHING 423941.30 ft EASTING 872389.52 ft
 DRILLER Groundwater Protection GROUND ELEVATION 7.72 ft BORING DIAMETER 6 in.
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 7.26 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Geoprobe 8140LS LOGGED BY C. Hug CHECKED BY A. Reimer

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
0	Asphalt paving to 3 in. Hand auger to 5 ft.		SAND, Dark gray/dark brown (10YR 3/3), fine to medium grained, subrounded, quartz, with black staining and odor.	2,400	
5			SAND, Very dark brown (10YR 2/2), fine to medium grained, subrounded, quartz, wet, minor wood fragments.	3,180	
10			From 9 ft: Yellowish brown (10YR 5/8), increased fine grained.	2.7	
15			SAND, Pale brown (10YR 6/3) and yellowish brown (10YR 5/4), fine to medium grained, subrounded, quartz, wet.	34.4	
20				51.6	
25				25.3	
30				61.7	
				NM	
				175.3	
				101.8	
				20.5	
				77.0	
				82.1	
				69.4	
				4.3	
				2.1	
				0.5	
				1.2	
				5.5	
				0.5	
				19.1	
				1.4	
				28.5	
				26.1	
				1.8	
				0.9	
				19.8	
				12.9	

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CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
30					
			-23.3	12.5	
			CLAYEY SAND, Gray (GLEY 1 5/1), fine to medium grained, subrounded, quartz, wet.	NM	
				0.2	
				0.0	
35			From 34 ft: Sand with clay.	0.7	
				1.4	
			-28.3	3.5	
			SAND, Light gray (10YR 7/1), fine to medium grained, subrounded, quartz, wet.	16.4	
				21.4	
			From 40 ft: More medium grained, some coarse.	9.6	
40				1.8	
			From 40 ft: More medium grained, some coarse grained.	1.4	
			-33.3	0.8	
			SAND, Light gray (10YR 7/1), fine to medium grained, subrounded, quartz, wet. At 42 ft: With clay, some coarse grained.	20.7	
				4.7	
45				6.4	
				9.4	
				8.2	
				11.3	
				6.8	
50				2.1	
				NM	
			-44.0	0.1	
			SAND/SAND with CLAY, Gray (10YR 6/1), fine to medium grained, subrounded, quartz, wet.	1.0	
				15.8	
55				19.4	
				16.7	
				12.5	
				61.9	
60				51.2	
				46.8	
				8.5	
				4.6	
				0.5	
			-56.3		


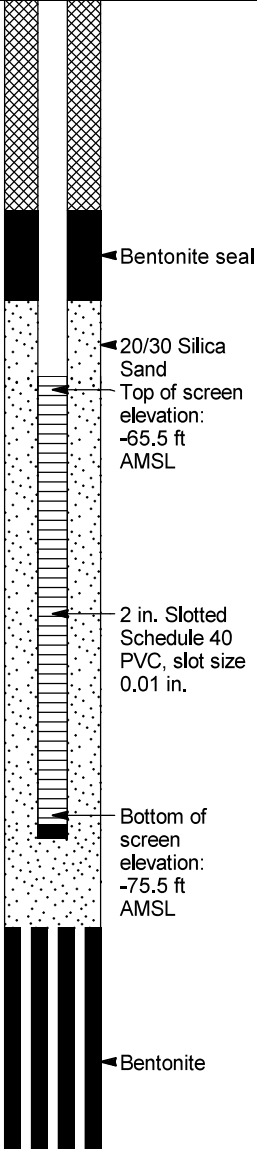
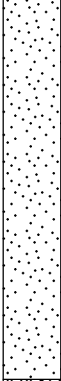

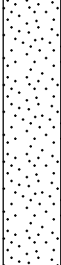


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CLIENT Hercules, LLC

PROJECT NAME Southern Offsite Well Installation

PROJECT NUMBER GR6881B

PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
65			CLAYEY SAND/SANDY CLAY, Very pale brown (10YR 7/3), to light gray (10YR 7/2), fine grained, subrounded, low to medium plasticity, wet. (continued)	9.2 7.3 9.0 15.8 29.3	
			-61.3	3.1	
70			SAND, Light gray (10YR 7/1), medium to coarse grained, subrounded, quartz, wet. Slightly sweet odor.	42.1 15.6	
			-69.8	13.8	
75			SANDY CLAY, Dark gray (2.5Y 4/1), low plasticity, medium to coarse grained sand, trace fine gravel, slightly sweet odor.	30.9 21.9	
			-71.3	3.9	
80			SAND, Light gray (10YR 7/1), coarse grained, subrounded, quartz, wet. Slightly sweet odor to approximately 83 ft.	2.8 7.0	
			-77.3	18.5	
			-78.3	71.8	
			From 83 ft: No more odor.	19.4	
			-80.3	51.5	
			SAND, Dark gray (3.5Y 4/1), medium to coarse grained, subrounded, quartz, wet.	25.9	
			-82.3	13.4	
			SILTY CLAY with GRAVEL, Pale brown (2.5Y 8/2), low plasticity, with fine white quartz gravel. Some well cemented indurated nodules.	1.8	
			-80.3	0.5	
			SANDY CLAY, Light gray (2.5Y 7/1), low to medium plasticity, fine to medium grained sand, moist.	4.5	
			-82.3	0.8	
90				5.8	
				3.5	

Bottom of borehole at 90.0 ft.


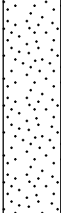
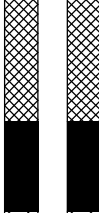
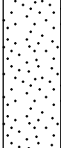
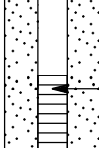
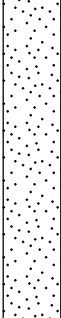
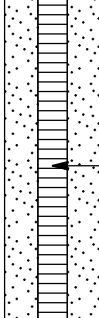

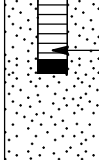
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CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/21/2019 DRILLING COMPLETED 11/21/2019 NORTHING 423799.34 ft EASTING 872634.91 ft
 DRILLER Groundwater Protection GROUND ELEVATION 6.47 ft BORING DIAMETER 6 in.
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 6.02 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Geoprobe 8140LS LOGGED BY C. Hug CHECKED BY A. Reimer


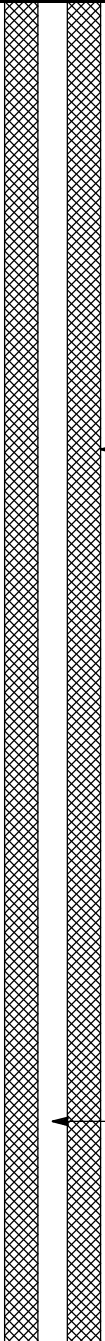

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
0	Hand auger to 5 ft.		SAND, Black (10YR 2/1) and dark gray (10YR 4/1), fine to medium grained, subrounded, quartz, some organic matter, moist. From 3 ft: Light yellowish brown (10YR 6/4), wet. From 5 ft: Dark brown (7.5YR 3/3), fine to medium grained, subrounded, quartz, wet. At 8 ft: Trace clay. From 8.5 ft: Light brown (7.5YR 6/4).	0.0 0.0 0.0 0.0	
5				0.0 0.0 0.0	
10			SAND, Light brown (7.5YR 6/4), fine to medium grained, subrounded, quartz, wet. From 13 ft: Very pale brown (10YR 8/2), less medium grained.	-3.5 0.0 0.0	
15			SILTY SAND, Very dark bluish gray (GLEY 2 3/1), fine grained, subrounded, quartz, wet. Between 17 ft and 17.5 ft: Sandy clay/clayey sand lense.	-8.5 0.0 0.0	← Bentonite grout
20			SAND, Bluish gray (GLEY 2 6/1), fine to medium grained, subrounded, quartz, wet. From 20 ft: With trace silt and clay, some very pale brown (10YR 8/3).	-11.5 0.0 0.0	← 2 in. Schedule 40 PVC
25			CLAYEY SAND, Greenish gray (GLEY 1 6/1), fine to coarse grained, quartz, wet, with white, angular shell fragments. SANDY SILTY CLAY, Greenish gray (GLEY 1 6/1), fine to coarse grained, low to medium plasticity, wet.	-17.0 -18.5 0.0	
27			SAND, Greenish gray (GLEY 1 6/1), fine grained, subrounded, quartz, wet. 27 ft to 29 ft : With minor clay stringers.	-19.5 0.0 0.0	
30				0.0	

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CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
30			SAND, Greenish gray (GLE Y 1 6/1), fine grained, subrounded, quartz, wet. <i>(continued)</i> From 30 ft: Trace of clay.	0.0	
35			At 35 ft: Sandy clay, grayish green (GLE Y 1 4/2) lense. -29.5	0.0	
40			SAND, Greenish gray and light gray, medium grained, subrounded, quartz, wet, with fine, angular white shell fragments. -40.5	0.1	
45			CLAYEY SAND, Same as above, increased clay. -41.5	0.0	
50			SANDY SILT, Light brownish gray (2.5 Y 6/2), low plasticity, fine grained sand, minor strongly cemented sand pebbles, moist. -43.5 Bottom of borehole at 50.0 ft.	0.0	

CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/19/2019 DRILLING COMPLETED 11/20/2019 NORTHING 423794.16 ft EASTING 872633.18 ft
 DRILLER Groundwater Protection GROUND ELEVATION 6.51 ft BORING DIAMETER 6 in.
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 6.18 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Geoprobe 8140LS LOGGED BY T. Payne CHECKED BY A. Reimer

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
0	Hand auger to 5 ft.		SAND, Grayish brown (10YR 5/2), Loose, fine grained, poorly graded, subrounded, quartz, moist.	0.0	
5			At 5 ft: Wet. From 6 ft: Light brownish gray(10YR 6/2).	0.0	
10			-3.5 SAND with SILT, Very pale brown (10YR 7/3), Fine to medium grained, well graded, subrounded, quartz, wet.	0.0	
15			From 14 ft: Gray (10YR 5/1).	0.0	
20			-9.5 SILTY SAND, Gray (GLEY 1 4/), Medium to coarse grained, subrounded, quartz, wet.	0.0	
25			-13.0 CLAYEY SAND, Greenish gray (GLEY 1 6/1), Fine to coarse grained, well graded, subangular, wet, low plasticity, soft.	0.0	
30			-20.5 SAND, Greenish gray (GLEY 6/1), Fine to medium grained, poorly graded, subrounded, quartz, wet, with trace silt.	0.0	

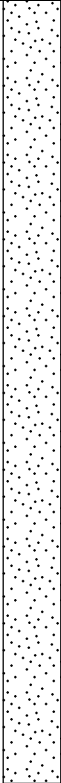
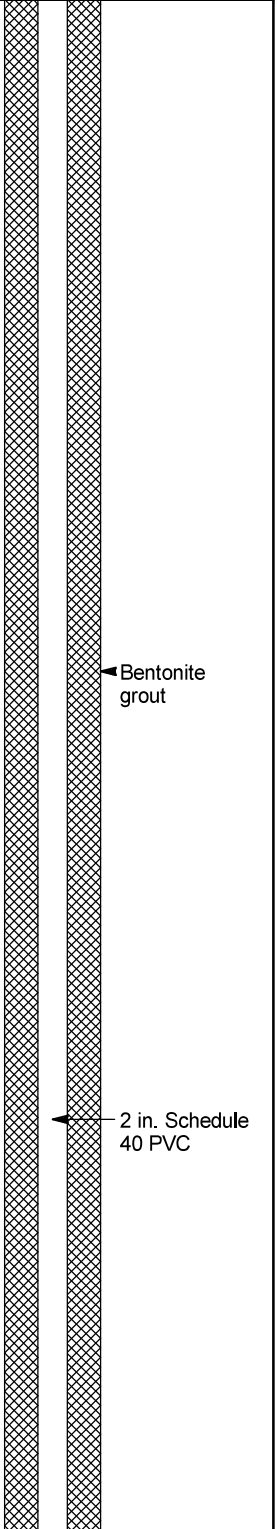
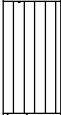
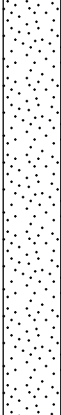
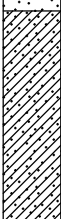
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CLIENT Hercules, LLC

PROJECT NAME Southern Offsite Well Installation

PROJECT NUMBER GR6881B

PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
30					
			SAND, Greenish gray (GLEY 6/1), Fine to medium grained, poorly graded, subrounded, quartz, wet, with trace silt. (continued)	0.0	
35				0.0	
			From 36 ft: White, angular shell fragments, up to 0.5 in. diameter.	0.0	
40				0.0	
45				0.0	
				0.0	← Bentonite grout
				0.0	
			CLAYEY SILT, Very dark greenish gray (GLEY 2 3/1), low plasticity, wet.	0.0	
50				0.0	
			SAND with SILT, Greenish gray (GLEY 1 5/1), Fine to medium grained, poorly graded, subrounded to subangular, quartz, wet.	0.0	
55				0.0	
				0.0	← 2 in. Schedule 40 PVC
60			SANDY CLAY Gray (GLEY 2 5/1), Soft, medium plasticity, moist, fine to medium grained, subrounded quartz sand.	0.0	

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CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
65			SANDY CLAY Gray (GLEY 2 5/1), Soft, medium plasticity, moist, fine to medium grained, subrounded quartz sand. (continued)	0.0	
			CLAY with SAND, Soft, medium plasticity fine to medium grained, moist, with trace rounded quartz gravel up to 1 inch diameter.	0.0	
70				0.0	
			SAND with SILT, Dark olive brown(2.5 Y 3/3), Fine to medium sand, poorly graded, subrounded, quartz, wet, odor.	0.0	
75				0.0	
			CLAYEY SAND, (GLEY 1 5/1), Fine to medium grained sand, subrounded, trace quartz gravel, moist.	0.0	
80				0.0	
			SAND, Gray (GLEY 1 5/1), Fine to coarse sand, subangular, well graded, quartz, wet.	0.0	
				0.0	
			SANDY CLAY, Gray (GLEY 2 5/1), Soft, low plasticity, moist, fine to medium grained, subrounded, quartz sand.	0.0	
85				0.0	
			SAND with CLAY, Soft, low plasticity, moist, fine to medium, quartz sand, slight odor.	0.0	
				0.0	
			SILTY CLAY, (GLEY 1 8/1), Stiff, medium plasticity, moist, trace rounded quartz gravel up to 0.25 in. diameter.	0.0	
90			At 89 ft: With fine to medium grained, subrounded, sand.	0.0	
			Bottom of borehole at 91.0 ft.		

CLIENT Hercules, LLC	PROJECT NAME Southern Offsite Well Installation
PROJECT NUMBER GR6881B	PROJECT LOCATION Brunswick, Georgia
DRILLING STARTED 11/21/2019 DRILLING COMPLETED 11/21/2019	NORTHING 423984.37 ft EASTING 872709.68 ft
DRILLER Groundwater Protection	GROUND ELEVATION 6.44 ft BORING DIAMETER 6 in.
DRILLING METHOD Sonic 4x6	TOP OF CASING ELEVATION 6.10 ft
SAMPLING METHOD Core barrel	GEOPHYSICAL CONTRACTOR ---
RIG TYPE Geoprobe 8140LS	LOGGED BY C. Hug CHECKED BY A. Reimer

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
0	Hand auger to 5 ft.		SAND, Very dark brown (10YR 2/2) and black, fine to medium grained, subrounded, quartz, some grass roots.	0.0	
5			At 3 ft: Wet.	0.0	
			From 7 ft to 8 ft: Some root fragments.	0.0	
			SAND, Pale brown (10YR 6/3), fine grained, subrounded, quartz, wet.	-1.6	
10			From 9 ft to 10 ft: Trace fines.	0.1	
			From 11 ft: Light brownish gray (2.5Y 6/2), predominantly fine grained, wet.	0.3	
			SAND with CLAY, Dark gray (GLEY 1 4/), fine grained, subrounded, quartz, wet, slightly clayey.	3.2	
15			SAND, Dark gray (GLEY 1 3/), fine to medium grained, subrounded, quartz, wet.	0.0	
			From 20 ft: Very dark gray (GLEY 3/).	0.0	
20			From 28 ft: Transition to light greenish gray (GLEY 1 7/1).	0.0	
25				0.0	
30				0.0	

← Bentonite grout

← 2 in. Schedule 40 PVC

CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
30				0.0	
35			SAND, Dark gray (GLEY 1 3/), fine to medium grained, subrounded, quartz, wet. (continued) From 30 ft: Bluish gray (GLEY 2 6/1).	0.0	Bentonite grout Bentonite seal
40			From 37 ft: Medium grained, with trace fine, angular shell fragemnts.	0.0	20/30 Silica Sand Top of screen elevation: -33.4 ft AMSL
45			From 40 ft: With some coarse sand.	0.0	2 in. Slotted Schedule 40 PVC, slot size 0.01 in.
50			Bottom of borehole at 50.0 ft.	-43.6	Bottom of screen elevation: -43.4 ft AMSL

CLIENT Hercules, LLC	PROJECT NAME Southern Offsite Well Installation
PROJECT NUMBER GR6881B	PROJECT LOCATION Brunswick, Georgia
DRILLING STARTED 11/19/2019 DRILLING COMPLETED 11/19/2019	NORTHING 423989.87 ft EASTING 872710.35 ft
DRILLER Groundwater Protection	GROUND ELEVATION 6.32 ft BORING DIAMETER 6 in.
DRILLING METHOD Sonic 4x6	TOP OF CASING ELEVATION 5.91 ft
SAMPLING METHOD Core barrel	GEOPHYSICAL CONTRACTOR ---
RIG TYPE Geoprobe8140LS	LOGGED BY T. Payne CHECKED BY A. Reimer

DEPTH (ft)	REMARKS	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
0		Asphalt paving to 3 in. Hand auger to 5 ft.		SAND with SILT, Dark brown (10YR 3/3) and black, fine grained, subangular, quartz.	0.0	
5				From 5 ft: Decreased silt, moist.	0.0	
				-1.2	0.0	
10				SAND with CLAY, Light olive brown (2.5YR 5/6), fine grained, poorly graded, subrounded, quartz, wet.	0.0	
				From 11 ft: With trace clay.	0.0	
15				-9.7	0.0	
				-10.7	0.0	
20				SANDY CLAY, Greenish gray (GLE Y 1 5/1), soft, some organic material, medium plasticity, moist.	0.0	
				SAND, Greenish gray (GLE Y 1 5/1), medium grained, subrounded, poorly graded, quartz, wet.	0.0	
				At 20 ft: Fine to medium grained sand.	0.0	
25					0.0	
30					0.0	
				-24.7	0.0	
				SAND with CLAY, Greenish gray (GLE Y 1 5/1), fine to medium grained sand, subrounded, quartz, wet.	0.0	
35					0.0	

← Bentonite grout

← 2 in. Schedule 40 PVC

CLIENT Hercules, LLC PROJECT NAME Southern Offsite Well Installation
 PROJECT NUMBER GR6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
35						
				SAND with CLAY, Greenish gray (GLEY 1 5/1), fine to medium grained sand, subrounded, quartz, wet. <i>(continued)</i> -30.2	0.0	
40				SAND, Greenish gray (GLEY 1 5/1), fine to coarse grained, well graded, subangular, quartz, moist, with white, angular shell fragments.	0.0	
					0.0	
45					0.0	
					0.0	
50				SAND, Olive gray (5Y 4/2), medium grained, poorly graded, subrounded, moist. -41.7	0.0	
					0.0	
55					0.0	
					0.0	
60				SAND, Light greenish gray (Gley 1 7/1), fine to medium grained sand, subangular, quartz, moist. -52.7	0.0	
				CLAY with SILT, Light greenish gray (GLEY 1 7/1), soft, low plasticity, moist. -54.7	0.0	
				SAND, Greenish gray (Gley 1 6/1), fine to medium grained, subrounded, quartz, wet. From 62.5 ft to 65 ft: Coarse grained sand.	0.0	
65					0.0	
					0.0	
70				SANDY SILT with GRAVEL, Light greenish gray (GLEY 1 7/1), nonplastic, soft, fine to medium grained, subrounded, quartz sand. Rounded quartzite gravel up to 1 inch diameter. -60.7	0.0	
				SAND with SILT, Dark olive brown (2.5Y 3/3), fined to medium grained, subrounded, quartz, moist, slight odor. -63.7	0.0	
					PID = 4.1	
75					PID = 16.5	

← Bentonite grout
← 2 in. Schedule 40 PVC

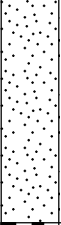
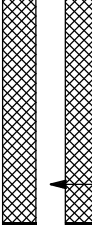


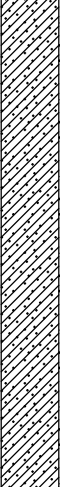
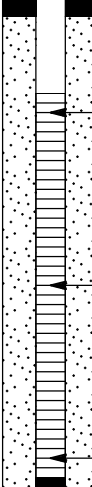


engineers | scientists | innovators

CLIENT Hercules, LLC

PROJECT NAME Southern Offsite Well Installation

PROJECT NUMBER GR6881B

PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	REMARKS	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID READING (PPM)	CONSTRUCTION DIAGRAM
75						
80				SAND with SILT, Dark olive brown (2.5Y 3/3), fined to medium grained, subrounded, quartz, moist, slight odor. <i>(continued)</i> -74.7	20.9	 Bentonite grout
				BOULDERS/COBBLES, Partially weathered, light brown, hard, dry. -76.2	10.1	 2 in. Schedule 40 PVC
85				SANDY CLAY, Dark brown (5Y 2/2), stiff, medium plasticity, moist, fine to medium grained sand. -89.0	0.0	 Bentonite 3/8 in. chips 20/30 Silica Sand Top of screen elevation: -79.1 ft AMSL
90					0.0	 2 in. Slotted Schedule 40 PVC, slot size 0.010 in
95				Bottom of borehole at 95.3 feet.	0.0	 Bottom of screen elevation: -89.1 ft AMSL

CLIENT Hercules, LLC PROJECT NAME On- and Offsite Well Installation
 PROJECT NUMBER GW6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/12/2020 DRILLING COMPLETED 11/12/2020 NORTHING 423541.70 ft EASTING 871546.37 ft
 DRILLER Cascade Drilling GROUND ELEVATION 7.42 ft BORING DIAMETER 6 in.
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 10.52 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Terrasonic 1051181 LOGGED BY A. Ramsey CHECKED BY A Reimer

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0				SILTY SAND, gray and brown, non plastic, fine grained, moist.		
5				Brown.	0.1	<p>Aquaguard Sodium Bentonite Grout</p> <p>2" Schedule 40 PVC</p>
5				Brown to pale yellowish brown to gray, some sulfur-like odor.	0.2	
10					0.2	
15					1.9	
15					14.1	
15					15.4	
10				SAND, gray, loose, non plastic, medium to coarse grained, some sulfur-like odor, wet.	0.4	
20				Trace sandy clay.	0.1	
20					0.1	
25					0	
25				Some sandy clay.	0.2	
20					0.1	
30					0.1	
25					0.1	
					0.1	

(Continued Next Page)

CLIENT Hercules, LLC

PROJECT NAME On- and Offsite Well Installation

PROJECT NUMBER GW6881B

PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35						
35				SAND, gray, loose, medium to coarse grained, some sulfur-like odor, wet. <i>(continued)</i> Very strong odor.	1.9	Bentonite uncoated 3/8 pellets
30					5.3	
40					11.6	20/30 Silica Sand
35					19.5	Top of screen: 42.15 ft
45					45.3	
40					59.6	0.010 slot size 2" Pre Pack, U-Pack Screen
50					21.6	
45					35.2	Bottom of screen: 52.15 ft
55					28.7	Bottom of well: 52.40 ft
50					14	Bentonite uncoated 3/8 pellets and 20/30 Silica Sand
60				Dark gray, trace sandy clay, faint to some odor.	5.3	
					1.2	
					0.7	
					0.6	

Bottom of borehole at 61.0 feet.

-53.6

CLIENT Hercules, LLC	PROJECT NAME On- and Offsite Well Installation
PROJECT NUMBER GW6881B	PROJECT LOCATION Brunswick, Georgia
DRILLING STARTED 11/09/2020 DRILLING COMPLETED 11/11/2020	NORTHING 424155.52 ft EASTING 871740.27 ft
DRILLER Cascade Drilling	GROUND ELEVATION 6.69 ft BORING DIAMETER 6 in.
DRILLING METHOD Sonic 4x6	TOP OF CASING ELEVATION 9.36 ft
SAMPLING METHOD Core barrel	GEOPHYSICAL CONTRACTOR ---
RIG TYPE Terrasonic 1051181	LOGGED BY A. Ramsey CHECKED BY A. Reimer

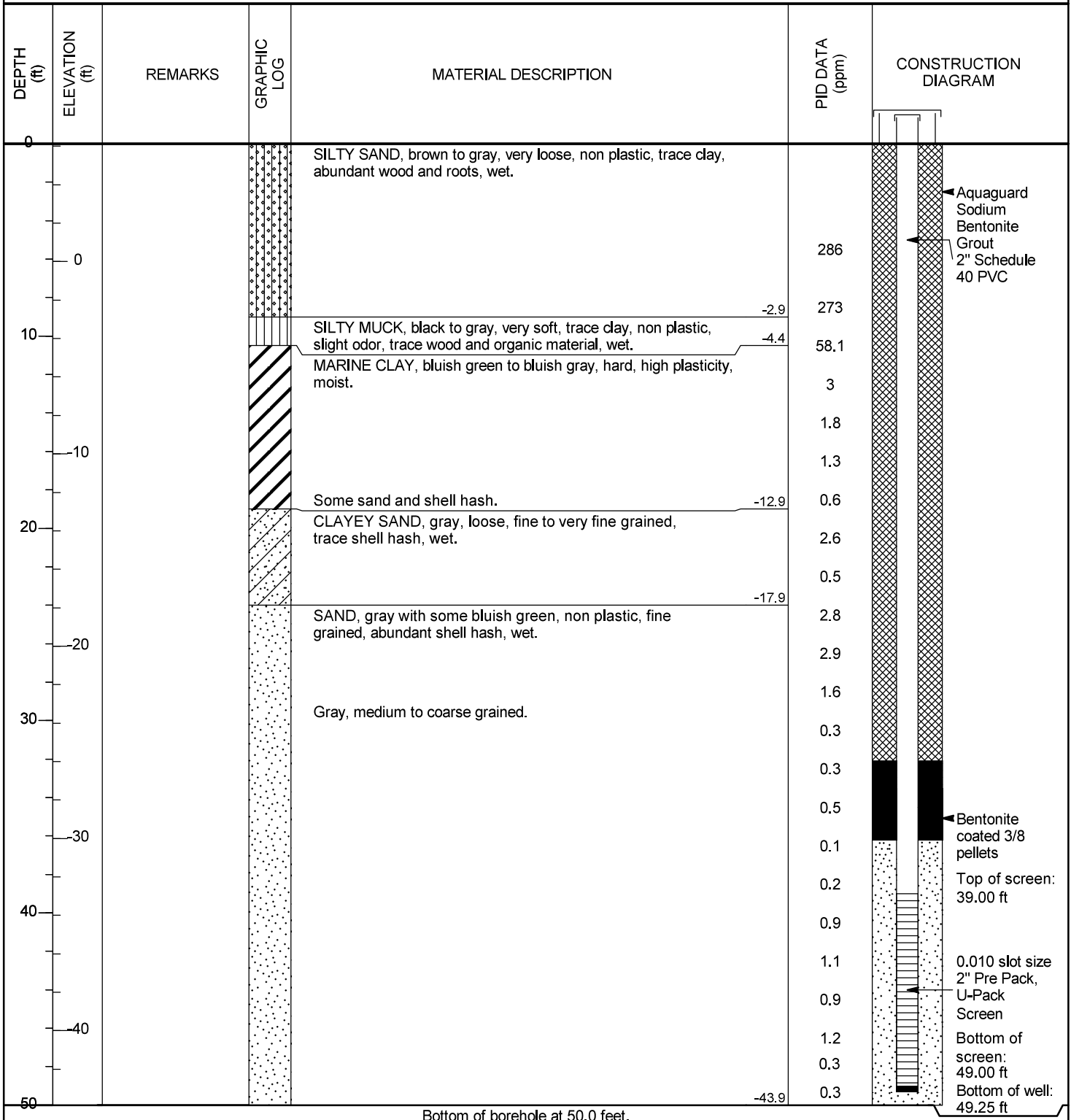
DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0				SILTY SAND, black, fine to medium grained, trace gravel and wood fragments, loose, moist.		
0 to 16 ft		6 to 16 ft: Strong sulfur-like odor.		SAND, dark to light brown to gray, fine to medium grained, saturated, very loose to medium dense, wet. 2 inch CLAYEY SAND lense. 2 inch CLAYEY SAND lense. 2 inch CLAYEY SAND lense. 2 inch coarse SAND lense. 2 inch coarse SAND lense. 2 inch CLAYEY SAND lense. 2 inch CLAYEY SAND lense 2 inch CLAYEY SAND lense. 4 inch CLAYEY SAND lense.	0 2.2 8.7 0.1 0.5 0.6 0.3 0.3 0.4 0.2 0.2 0.1 0.2 0.2 0.2 0.5 0.5 0.2 0.4 0.7 1.3 1.6 1.7 1.8 0.6	 ← Aquaguard Sodium Bentonite Grout ← 2" Schedule 40 PVC
				SAND, gray, coarse grained, loose, with clayey sand at base, wet.	-29.3	

CLIENT Hercules, LLC PROJECT NAME On- and Offsite Well Installation
PROJECT NUMBER GW6881B PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM	
50		55 to 65 ft: Drillers observed strong odor during soil extraction.	[Dotted pattern]	SAND, gray, coarse grained, loose, with clayey sand at base, wet. (continued)	1.4		
				SAND with some gravel, gray, coarse grained, loose, very strong odor, wet.	-48.3 -49.3		
50			[Dotted pattern]	GRAVELLY SAND, gray, coarse grained, well rounded, loose, very strong odor, clayey sand lenses, wet.	4.2		
60					1.4		
					1.6		
			[Diagonal hatching]	CLAYEY GRAVEL, gray to light olive gray, dense, well rounded, clay is medium plasticity, some brown organic matter and silt, mottled throughout, wet to moist.			1.5
60							1.4
							3.7
70			[Diagonal hatching]	GRAVELLY SAND, gray, coarse grained, well rounded, loose, very strong odor, wet.			9
							5.7
					7.3		
		[Dotted pattern]	SAND, dark gray, coarse grained, loose, strong odor, moist.		8		
70					7.6		
					0.6		
80		[Diagonal hatching]	SANDY CLAY, gray to olive gray, some limestone fragments in top 2 ft, medium plasticity, hard, some odor, moist to dry.		0.2		
					0.1		
					0.2		
80					0.3		
					3		
					3.1		
90					5.6		
					4.8		
					7.2		

Bottom of borehole at 96.0 feet.

CLIENT Hercules, LLC PROJECT NAME On- and Offsite Well Installation
 PROJECT NUMBER GW6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/14/2020 DRILLING COMPLETED 11/14/2020 NORTHING 423958.05 ft EASTING 873293.78 ft
 DRILLER Cascade Drilling GROUND ELEVATION 6.13 ft BORING DIAMETER 6 in
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 8.76 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Terrasonic 1051181 LOGGED BY A. Ramsey CHECKED BY A. Reimer



CLIENT Hercules, LLC PROJECT NAME On- and Offsite Well Installation
 PROJECT NUMBER GW6881B PROJECT LOCATION Brunswick, Georgia
 DRILLING STARTED 11/13/2020 DRILLING COMPLETED 11/13/2020 NORTHING 423960.93 ft EASTING 873282.02 ft
 DRILLER Cascade Drilling GROUND ELEVATION 6.28 ft BORING DIAMETER 6 in.
 DRILLING METHOD Sonic 4x6 TOP OF CASING ELEVATION 9.07 ft
 SAMPLING METHOD Core barrel GEOPHYSICAL CONTRACTOR ---
 RIG TYPE Terrasonic 1051181 LOGGED BY A. Ramsey CHECKED BY A. Reimer

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0						
5				SILTY SAND, brown to gray, very loose, non plastic, trace clay, abundant wood and roots, wet.	0.1	<p>Aquaguard Sodium Bentonite Grout 2" Schedule 40 PVC</p>
5	0				0.1	
10	-5			SILTY MUCK, black to gray, very soft, trace clay, non plastic, slight odor, trace wood and organic material, wet.	213.2	
10	-5			MARINE CLAY, bluish green to bluish gray, hard, high plasticity, moist.	131.3	
15	-10			Some sand and shell hash.	-2.7	
20	-15			CLAYEY SAND, gray, loose, low plasticity, fine to very fine grained, trace shell hash, wet.	5.4	
20	-15				1.5	
25	-20			SAND, gray with some bluish green, loose, non plastic, fine grained, abundant shell hash, wet.	0.5	
30	-25			Gray, medium to coarse grained.	0.4	
35	-30				0.6	
40	-35				16.7	
					9.3	
					-17.7	
					1.8	
					13.2	
					8.3	
					0.4	
					0.5	
					0.2	
					0.1	
					0.2	
					0.2	
					0.3	
					0.3	

CLIENT Hercules, LLC

PROJECT NAME On- and Offsite Well Installation

PROJECT NUMBER GW6881B

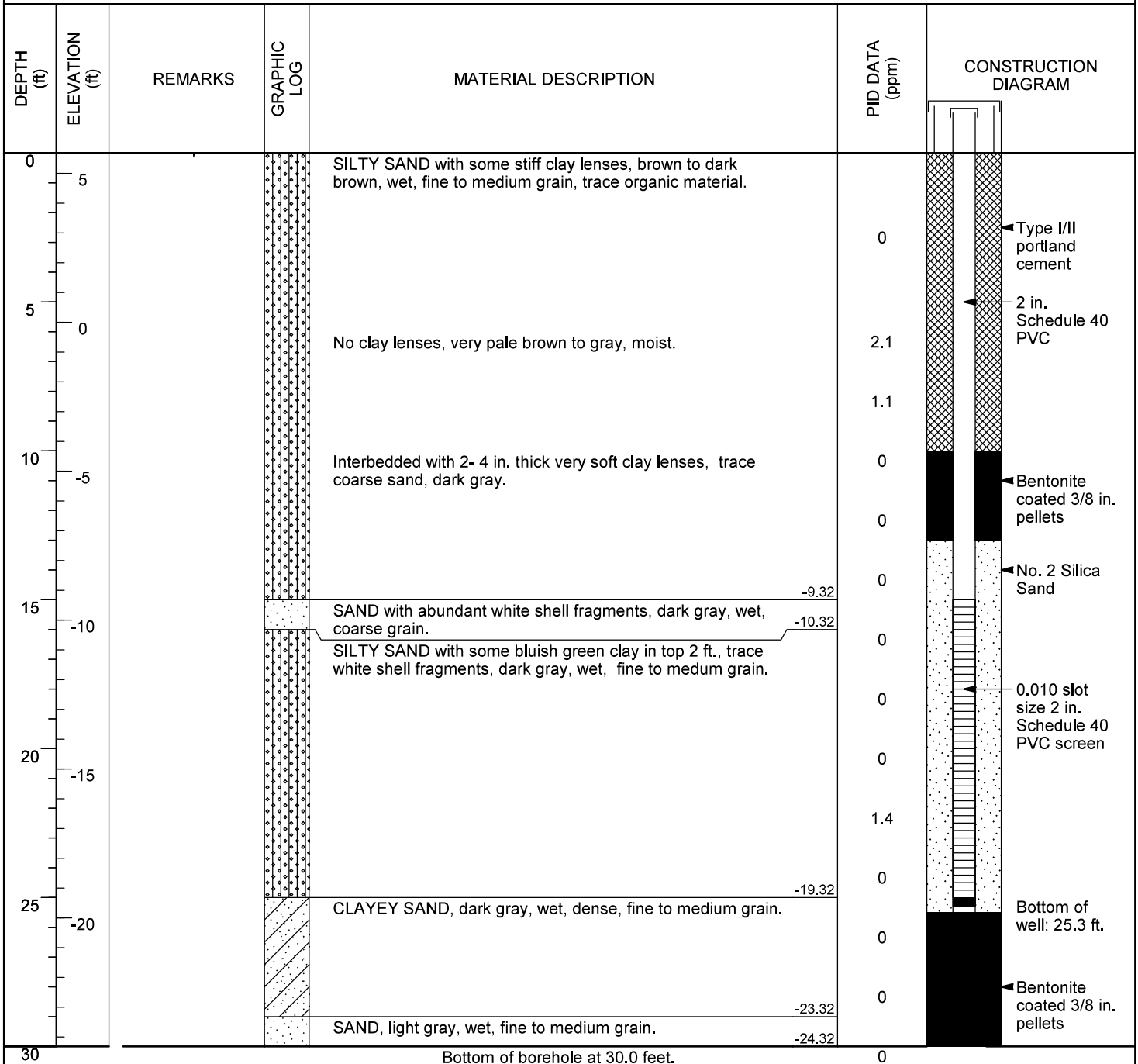
PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
45						
	40			SAND, gray with some bluish green, loose, non plastic, fine grained, abundant shell hash, wet. <i>(continued)</i>	0.3	
					0.2	
50					-43.7	
	45			CLAYEY SAND, dark gray, non to low plasticity, loose, some shell hash, slight odor, decreasing clay content with depth, moist to dry.	0.4	
					0.2	
					0.4	
55					-49.7	
	50			SAND, gray, non plastic, loose, medium to coarse grained, trace clay inclusions, wet.	0.3	
					0.3	
					0.3	
60					0.3	
	55				0.3	
					0.4	
65					-59.2	
	60			CLAYEY SAND with some gravel, gray, well rounded, medium to coarse grained, loose, wet.	0.3	
					0.3	
					0.3	
70					-64.7	
	65			SANDY CLAY, gray, dense, low to non plastic, some gravel, well rounded, dry to moist.	0.3	
					0.3	
					0.2	
75					-72.7	
	70			CLAYEY SAND, dark gray, loose, non plastic, medium grained, wet.	0.2	
					0.1	
					0.1	
80					-80.7	
	75				0.3	
					0.3	
					0.4	
	80			CLAY, gray to olive gray, trace sand, dense, high plasticity, wet.	-82.7	
					0.4	

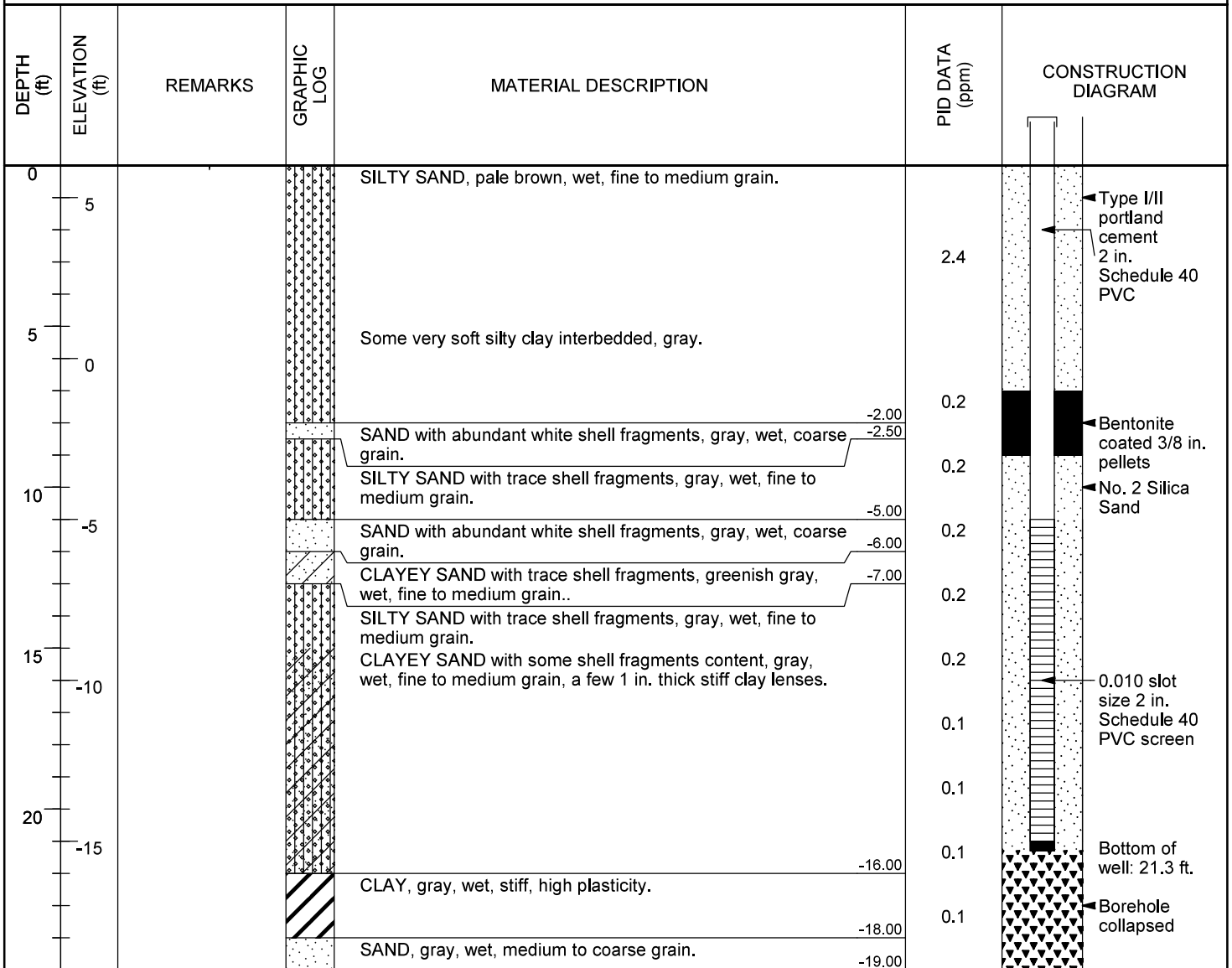
Bottom of borehole at 89.0 feet.

Bentonite coated 3/8 pellets
20/30 Silica Sand
Top of screen: 77.00 ft
0.010 slot size 2" Pre Pack, U-Pack Screen
Bottom of screen: 87.00 ft
Bottom of well: 87.25 ft

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/8/2021</u> COMPLETED <u>3/9/2021</u>	NORTHING <u>424982.53 ft</u> EASTING <u>872671.34 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.68 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>8.95 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>



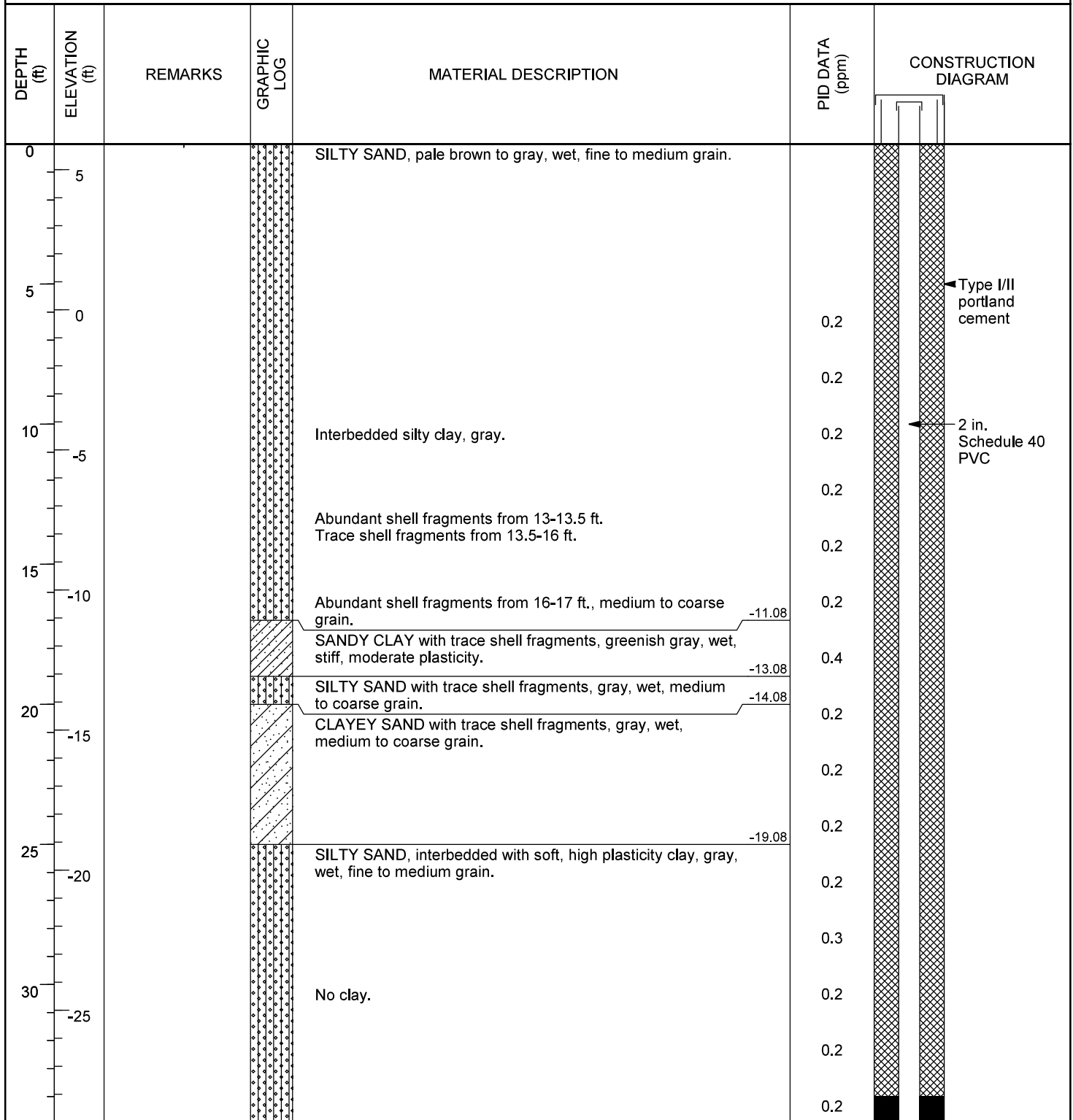
CLIENT Hercules, LLC	PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P	PROJECT LOCATION Brunswick, Georgia
DATE STARTED 3/14/2021	COMPLETED 3/14/2021
DRILLER SAEDACCO	NORTHING 424825.18 ft
DRILLING METHOD Sonic	EASTING 872646.61 ft
SAMPLING METHOD 4 in. core 6 in. override	GROUND ELEVATION 6.00 ft MSL
RIG TYPE Geoprobe 8150 LS	BORING DIAMETER 6 in.
	TOP OF CASING ELEVATION 9.11 ft MSL
	GEOPHYSICAL CONTRACTOR ---
	LOGGED BY A. Ramsey
	CHECKED BY A. Reimer



-2.00
-2.50
-5.00
-6.00
-7.00
-16.00
-18.00
-19.00

SAND with abundant white shell fragments, gray, wet, coarse grain.
SILTY SAND with trace shell fragments, gray, wet, fine to medium grain.
SAND with abundant white shell fragments, gray, wet, coarse grain.
CLAYEY SAND with trace shell fragments, greenish gray, wet, fine to medium grain.
SILTY SAND with trace shell fragments, gray, wet, fine to medium grain.
CLAYEY SAND with some shell fragments content, gray, wet, fine to medium grain, a few 1 in. thick stiff clay lenses.
CLAY, gray, wet, stiff, high plasticity.
SAND, gray, wet, medium to coarse grain.

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/16/2021</u> COMPLETED <u>3/16/2021</u>	NORTHING <u>424820.80 ft</u> EASTING <u>872637.93 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.92 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>9.12 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>



(Continued Next Page)

CLIENT Hercules, LLC

PROJECT NAME Observation Well Installation

PROJECT NUMBER GW6881P

PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35	-30			SILTY SAND, interbedded with soft, high plasticity clay, gray, wet, fine to medium grain. <i>(continued)</i> Coarse grain from 36-49 ft.	0.2	<p>Bentonite coated 3/8 in. pellets No. 2 Silica Sand</p> <p>0.010 slot size 2 in. Schedule 40 PVC screen</p> <p>Bottom of well: 48.3 ft. No. 2 Silica Sand</p>
40	-35				0.2	
45	-40				0.3	
					0.3	
					0.3	
					0.3	
					0.5	
50				SANDSTONE/SANDY MUSDSLONE, gray, wet, fine to medium grain, brittle.	-43.08 -44.08	

Bottom of borehole at 50.0 feet.

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/16/2021</u> COMPLETED <u>3/16/2021</u>	NORTHING <u>424832.34 ft</u> EASTING <u>872639.41 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.92 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>8.90 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0	5			SILTY SAND, pale brown to brown, wet, fine to medium grain.	1.7	
5	0				0.2	Type I/II portland cement
10	-5				0.1	2 in. Schedule 40 PVC
15	-10				0.2	
				Gray. -12.08		
20	-15			CLAYEY SAND with coarse shell fragments, gray, wet, fine to medium grain. -14.08		
				SILTY SAND, pale brown to brown, wet, fine to medium grain.		
25	-20					
30	-25				0.1	
					0.1	
					0.1	
				Interbedded silty clay frp, 34-37 ft., soft, high plasticity.		

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CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia


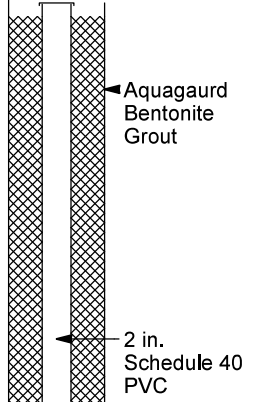




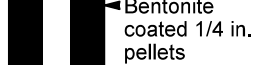
DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35	-30			SILTY SAND, pale brown to brown, wet, fine to medium grain. (continued)	4.3	
				-31.08 SAND with trace shell fragments, gray, wet, coarse grain.	0.2	
40	-35				0.1	
					0.2	
					0.1	
45	-40			-40.08 CLAYEY SAND with abundant shell fragments, gray, wet, coarse grain.	0.2	
				-41.08 SAND with trace to some shell fragments, gray, wet, coarse grain.	0.1	
					0.2	
50	-45			-46.08 SANDSTONE/SANDY MUDSTONE with some clay, gray, dry, fine to medium grain, brittle.	0.2	
					0.4	
55	-50			-51.08 SAND with trace shell fragments, gray, wet, coarse grain.	0.7	
					0.6	
60	-55			-56.08 CLAYEY SAND, gray, wet, coarse grain.	0.9	
					0.9	
65	-60				0.7	
70	-65			-64.08 SAND with some well rounded quartz gravel, gray, wet, coarse grain.	1.2	
					6.7	
					10.1	

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
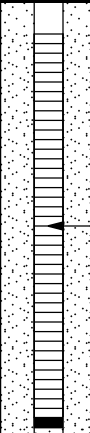

CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
75	-70			SAND with some well rounded quartz gravel, gray, wet, coarse grain. <i>(continued)</i>	15.8	<p>Bentonite coated 3/8 in. pellets</p> <p>No. 2 Silica Sand</p> <p>0.010 slot size 2 in. Schedule 40 PVC screen</p> <p>Bottom of well: 90.3 ft.</p>
80	-75			Trace to no gravel.	3.8	
85	-80				7.4	
					18.7	
					41.6	
90				Bottom of borehole at 90.3 feet.	11.2	
					-84.38	
					7.5	

CLIENT Hercules, LLC	PROJECT NAME Monitoring Well Installation
PROJECT NUMBER GW6881P	PROJECT LOCATION Brunswick, Georgia
DATE STARTED 11/09/2021	COMPLETED 11/09/2021
DRILLER Geo Lab Drilling	NORTHING 423050.28 ft
DRILLING METHOD Hollow Stem Auger (HSA)	EASTING 871689.40 ft
SAMPLING METHOD 6 in. HSA	GROUND ELEVATION 6.70 ft
RIG TYPE Geoprobe 8150 LS	BORING DIAMETER 6 in.
	TOP OF CASING ELEVATION 6.41 ft MSL
	GEOPHYSICAL CONTRACTOR ---
	LOGGED BY T. Kessler
	CHECKED BY A. Reimer

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM	
0		Lithology and PID measurements based on logging completed for adjacent groundwater monitoring well MW-63D, located approximately 10 ft north-northeast from MW-63I.		Utility clearance via air knife. No samples collected.			
5							
10					SAND, gray, medium to coarse grain, poorly graded, wet.	0	
15					SAND, dark gray, loose, medium to coarse grain, well graded, wet.	0	
20					CLAYEY SAND with some silt, very dark greenish gray, fine to medium grain, poorly graded, wet.	0	
25				CLAY with trace sand, bluish gray, soft, medium to high plasticity, wet.	0		
30				SAND, bluish gray, fine to coarse grain, wet.	0		
					0		
					0		
					0		


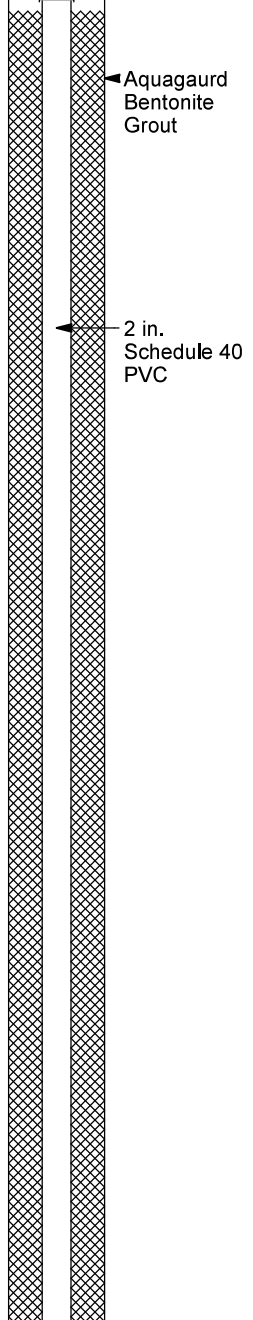



CLIENT Hercules, LLC **PROJECT NAME** Monitoring Well Installation
PROJECT NUMBER GW6881P **PROJECT LOCATION** Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35				No Recovery.		
40				SAND with some subround quartz fragments, bluish gray, fine to medium grain, poorly graded, wet.	0	 <p>No. 2 Silica Sand 0.010 slot size 2 in. Schedule 40 PVC screen</p>
45				SILTY SAND with some subround quartz fragments, very dark grayish brown, fine grain, poorly graded, wet.	0	
					0	

Bottom of borehole at 46.3 ft

Bottom of well: 46.1 ft

CLIENT Hercules, LLC	PROJECT NAME Monitoring Well Installation
PROJECT NUMBER GW6881P	PROJECT LOCATION Brunswick, Georgia
DATE STARTED 11/08/2021	COMPLETED 11/09/2021
DRILLER Geo Lab Drilling	NORTHING 423040.11 ft
	EASTING 871691.26 ft
DRILLING METHOD Direct Push Technology (DPT) and Hollow Stem Auger (HSA)	GROUND ELEVATION 6.77 ft
	BORING DIAMETER 6 in.
SAMPLING METHOD 2 in. DPT core with 6 in. HSA override	TOP OF CASING ELEVATION 6.10 ft MSL
RIG TYPE Geoprobe 8150 LS	GEOPHYSICAL CONTRACTOR ---
	LOGGED BY T. Kessler
	CHECKED BY A. Reimer

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0				Utility clearance via air knife. No samples collected.		
5						
10				SAND, gray, medium to coarse grain, poorly graded, wet.	0	
15				SAND, dark gray, loose, medium to coarse grain, well graded, wet.	0	
20				CLAYEY SAND with some silt, very dark greenish gray, fine to medium grain, poorly graded, wet.	0	
25				CLAY with trace sand, bluish gray, soft, medium to high plasticity, wet.	0	
30				SAND, bluish gray, fine to coarse grain, wet.	0	











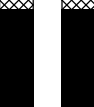
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CLIENT Hercules, LLC

PROJECT NAME Monitoring Well Installation

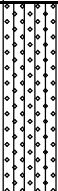
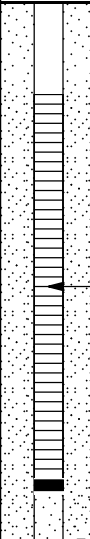
PROJECT NUMBER GW6881P

PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35				No Recovery.		
40				SAND with some subround quartz fragments, bluish gray, fine to medium grain, poorly graded, wet.	0	
45				SILTY SAND with some subround quartz fragments, very dark grayish brown, fine grain, poorly graded, wet.	0	
50		DPT Refusal at 50 ft below ground surface, switch to HSA		SAND, dark gray, coarse grain, subround quartz fragments, well graded, moist.	0	
50				SANDY CLAY, gray, hard, medium plasticity, trace fine grain sands, dry.	0	
55				SILTY SAND with trace quartz fragments, gray, fine to medium grain, wet.		
60						
65						
70						
						 Bentonite coated 1/4 in. pellets


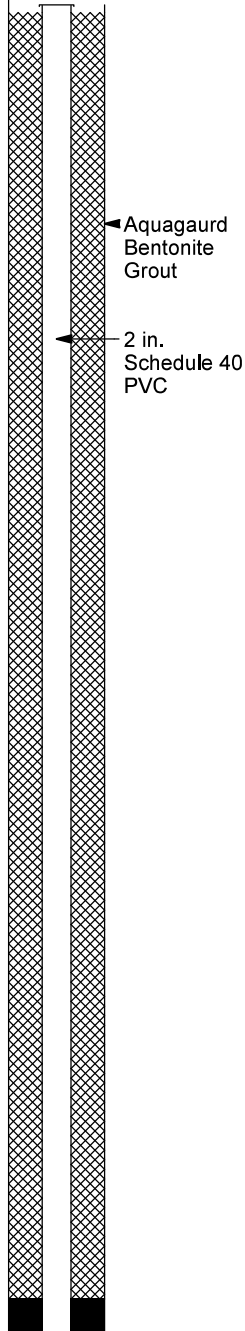




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CLIENT Hercules, LLC PROJECT NAME Monitoring Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
75				SILTY SAND with trace quartz fragments, gray, fine to medium grain, wet. <i>(continued)</i>		 <p>Bottom of well: 87.8 ft</p>
80				End of lithologic log at 80 ft		
85						

Bottom of borehole at 89.0 ft

CLIENT Hercules, LLC	PROJECT NAME Monitoring Well Installation
PROJECT NUMBER GW6881P	PROJECT LOCATION Brunswick, Georgia
DATE STARTED 11/10/2021	COMPLETED 11/10/2021
DRILLER Geo Lab Drilling	NORTHING 523317.16 ft
	EASTING 871892.39 ft
DRILLING METHOD Direct Push Technology (DPT) and Hollow Stem Auger (HSA)	GROUND ELEVATION 6.40 ft
	BORING DIAMETER 6 in.
SAMPLING METHOD 2 in. DPT core with 6 in. HSA override	TOP OF CASING ELEVATION 6.01 ft MSL
	GEOPHYSICAL CONTRACTOR ---
RIG TYPE Geoprobe 8150 LS	LOGGED BY T. Kessler
	CHECKED BY A. Reimer

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0				Utility clearance via air knife. No samples collected.		
5						
10				SAND, light brownish gray, fine grain, loose, poorly graded, moist. Light brownish gray to gray at 14.5 ft, fine to medium grain.	0.9 0.6 0.4	 <p>Aquagard Bentonite Grout</p> <p>2 in. Schedule 40 PVC</p>
15				SILTY SAND, grayish brown, fine to medium grain, loose, poorly graded, wet.	0	
20				SILTY CLAY, gray, trace fine sands, loose/soft, wet.	0	
25				SAND with some shell fragments, gray, fine to medium grain, poorly graded, wet.	0.1	
30				No shell fragments, loose. Moist.	0.7 1.1 0.1	
					3.6	

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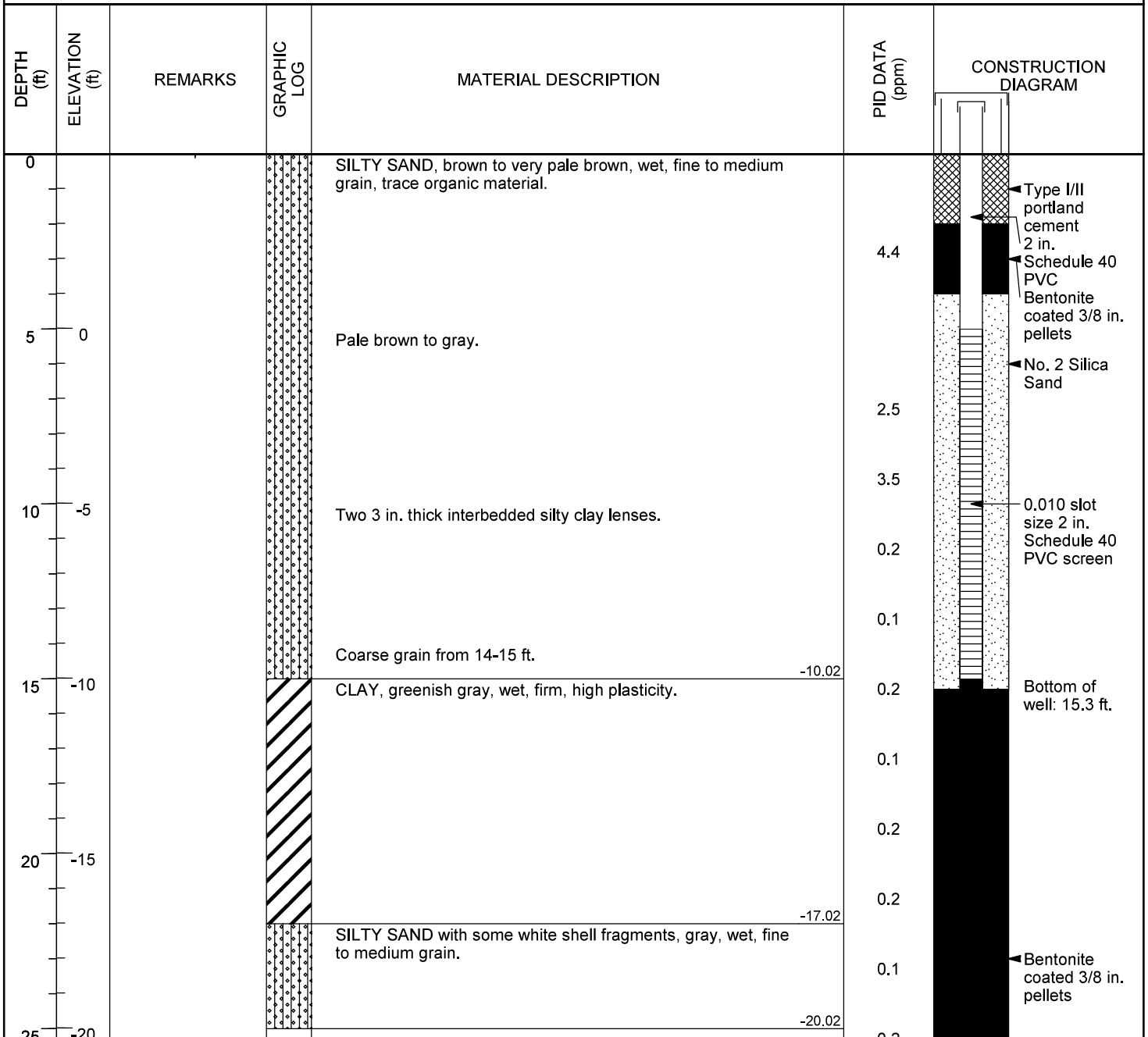
CLIENT Hercules, LLC PROJECT NAME Monitoring Well Installation
 PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35				SAND with some shell fragments, gray, fine to medium grain, poorly graded, wet. <i>(continued)</i>	2.9	
40			Moist.	29.6		
45		DPT Refusal at 44 ft below ground surface, switch to HSA			29.5	
50					12	

Bottom of borehole at 51.5 ft

Bottom of well: 50.3 ft

CLIENT Hercules, LLC	PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P	PROJECT LOCATION Brunswick, Georgia
DATE STARTED 3/11/2021	COMPLETED 3/11/2021
DRILLER SAEDACCO	NORTHING 425014.39 ft
DRILLING METHOD Sonic	EASTING 872814.76 ft
SAMPLING METHOD 4 in. core 6 in. override	GROUND ELEVATION 4.98 ft MSL
RIG TYPE Geoprobe 8150 LS	BORING DIAMETER 6 in.
	TOP OF CASING ELEVATION 7.80 ft MSL
	GEOPHYSICAL CONTRACTOR ---
	LOGGED BY A. Ramsey
	CHECKED BY A. Reimer



CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/11/2021</u> COMPLETED <u>3/11/2021</u>	NORTHING <u>425013.56 ft</u> EASTING <u>872825.28 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.14 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>7.71 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0	5			CLAYEY SAND with some silt, brown, wet, loose with firm clay, fine to medium grain, some organic material.		
5	0			SILTY SAND, pale brown to gray, wet, fine to medium grain.	0.14	Type I/II portland cement
10	-5			Some interbedded high plasticity SILTY CLAY	2.3	
15	-10			CLAY, greenish gray, wet, firm, high plasticity.	2.4	2 in. Schedule 40 PVC
20	-15			CLAYEY SAND with some white shell fragments, gray, wet, fine to medium grain.	0.6	
25	-20			SILTY SAND with trace shell fragments, gray, wet, fine to medium grain.	0.9	
					-9.86	
					0.6	
					0.6	
					-14.86	
					0.4	
					0.2	
					0.2	
					-19.86	
					0.2	
					0.2	
					0.3	

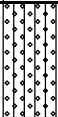
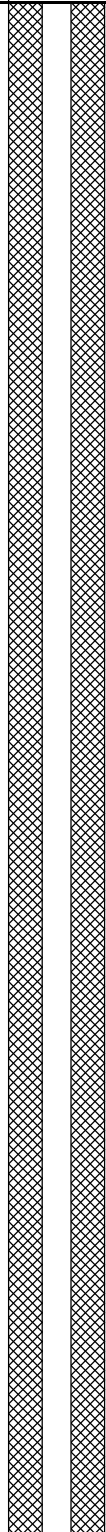

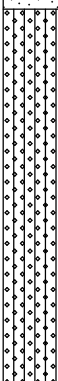

CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
 PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
30	-25			SILTY SAND with trace shell fragments, gray, wet, fine to medium grain. <i>(continued)</i>	0.7	<p>Bentonite coated 3/8 in. pellets No. 2 Silica Sand</p> <p>0.010 slot size 2 in. Schedule 40 PVC screen</p> <p>Bottom of well: 49.3 ft. No. 2 Silica Sand</p>
				SAND, some clayey sand and trace shell fragments, some 1 in. diameter gravel at 33 ft., gray, wet, loose with lenses of sandy mudstone, coarse grain.	-28.86	
35	-30			No clayey sand or shell fragments, loose.		
40	-35					
45	-40					
50				Bottom of borehole at 50.0 feet.	-44.86	

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/12/2021</u> COMPLETED <u>3/12/2021</u>	NORTHING <u>425011.87 ft</u> EASTING <u>872833.53 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.11 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>7.80 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0	5			SILTY SAND with some clay, brown to pale brown, wet, fine to medium grain, trace organic material.		
5	0			6 in. thick sandy clay lense at 8 ft., pale brown.	0.5	Type I/II portland cement
10	-5			Gray.	1.2	2 in. Schedule 40 PVC
15	-10				3.2	
20	-15				2.5	
25	-20			CLAYEY SAND with silt and trace shell fragments, gray, wet, very soft, high plasticity.	3.4	
				Increasing sand content with depth and trace lenses of SANDSTONE/SANDY MUDSTONE.	3.9	
30	-25			SILTY SAND with some shell fragments, gray, wet, fine to medium grain.	0.6	
					0.2	
					0.2	
					0.3	
					0.3	
					5.7	
					8.5	
					1.2	

CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

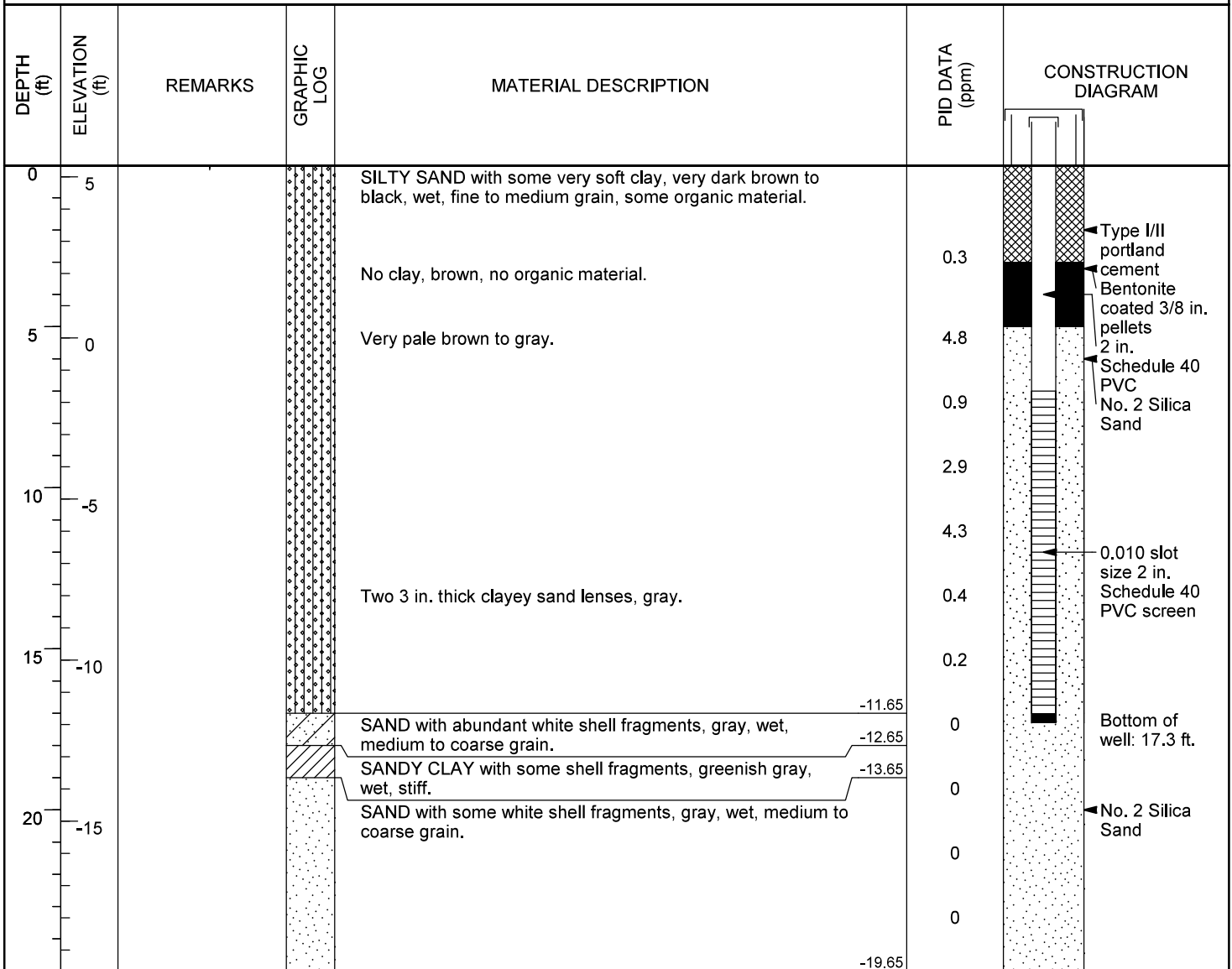
DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35	-30			SILTY SAND with some shell fragments, gray, wet, fine to medium grain. (continued)	0.9	
				Trace angular gravel, medium to coarse grain. -32.89	0.9	
				SAND, gray, wet, coarse grain.	27.4	
40	-35				20	
					3.3	
					1.1	
45	-40				-41.89	
				SILTY SAND with abundance angular gravel, some clay, gray, wet, fine to coarse grain.	1.8	
					14.4	
50	-45				19.9	
					9	
					3.3	
55	-50				-51.89	
				SAND, gray, trace greenish gray at bottom, wet, coarse grain.	7.5	
					1.5	
60	-55				1.8	
					1.1	
					1.4	
65	-60				0.9	
				Trace gravel with abundant rounded gravel from 67-68 ft.	0.9	
					0.9	
70	-65				1.4	
					1.9	

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CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
75	-70			SAND, gray, trace greenish gray at bottom, wet, coarse grain. (continued) No gravel.	2.3	<p> Bentonite coated 3/8 in. pellets No. 2 Silica Sand 0.010 slot size 2 in. Schedule 40 PVC screen Bottom of well: 90.3 ft. </p>
80	-75				1.8	
					2.1	
					4.1	
85	-80			Trace rounded gravel from 87-90 ft.	8.8	
					4	
90	-85			Bottom of borehole at 90.3 feet.	7.8	
					2.3	
					4.7	

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/10/2021</u> COMPLETED <u>3/10/2021</u>	NORTHING <u>425012.39 ft</u> EASTING <u>872666.23 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.35 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>8.28 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>



CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/10/2021</u> COMPLETED <u>3/10/2021</u>	NORTHING <u>425034.29 ft</u> EASTING <u>872667.1 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.91 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>8.93 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0	5			SILTY SAND, very dark brown to black, wet, fine grain, some organic material.		
				Brown, fine to medium grain.	0.1	
5	0					← Type I/II portland cement
				Interbedded with clayey silty, gray.	0.1	
10	-5					← 2 in. Schedule 40 PVC
					0.2	
					0.1	
15	-10			SANDY CLAY with trace white shell fragments, greenish gray, wet, stiff.		
					0.1	
					0.3	
					0.1	
20	-15			SILTY SAND with abundant white shell fragments, gray, wet, fine to medium grain. Interbedded clayey silt to clayey sand at 20 ft., trace white shell fragments.		
					0.8	
					0.3	
					0.3	
					0.2	
					0.3	
					2.1	
					2.3	
30	-25			SAND, gray, wet, fine to medium grain. Medium to coarse grain from 30-50 ft.		

CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
 PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35	-30		[Dotted pattern]	SAND, gray, wet, fine to medium grain. <i>(continued)</i>	0.9	<p> Bentonite coated 3/8 in. pellets No. 2 Silica Sand 0.010 slot size 2 in. Schedule 40 PVC screen Bottom of well: 50.3 ft. </p>
40	-35			Abundant shell fragments from 47-48.5 ft.	1.7	
45	-40				4.4	
50				Bottom of borehole at 50.3 feet.	6	
					0.9	
					0.6	
					1.2	

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/9/2021</u> COMPLETED <u>3/9/2021</u>	NORTHING <u>425022.88 ft</u> EASTING <u>872666.31 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.60 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>8.41 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0	5			SILTY SAND with some silty clay, dark brown to black, wet, fine to medium grain, trace organic material.	0	
5	0			Gray to dark gray.	0	Type I/II portland cement
10	-5				0.1	2 in. Schedule 40 PVC
15	-10			CLAYEY SAND with abundant white shell fragments, greenish gray, very stiff.	0.1	
20	-15			SILTY SAND with abundance white shell fragments, interbedded stiff clay lenses, gray, wet, fine to medium grain.	0.1	
25	-20			CLAY, trace sand, gray, moist, trace sand, high plasticity.	0	
30	-25			SILTY SAND, gray, wet, fine to medium grain.	0	
				SAND, trace shell fragments, gray, wet, coarse grain.	4.4	
					14.2	
					0.7	

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CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35	-30			SAND, trace shell fragments, gray, wet, coarse grain. <i>(continued)</i>	0.4	
				Increased content of shell fragments.	0.5	
					16.8	
40	-35				23.8	
				-36.40		
				SILTY SAND with trace stiff clayey sand lenses, gray, wet, fine to medium grain.	2.6	
					0.4	
45	-40				0.3	
				-43.40		
				SAND, gray, wet, coarse grain.	52	
50	-45				0.7	
					0.5	
					1.9	
55	-50			Fine to medium grain from 56-73 ft.	1.3	
					25.2	
60	-55				21.1	
					26.3	
					43.4	
65	-60				45.9	
					30.7	
70	-65				15.1	
				-67.40		
				SANDSTONE/SANDY MUDSTONE with some well rounded quartz gravel, gray, dry, fine to medium grain, very hard.	45	

(Continued Next Page)

CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
 PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
75	-70			SANDSTONE/SANDY MUDSTONE with some well rounded quartz gravel, gray, dry, fine to medium grain, very hard. <i>(continued)</i>	4.3	<p> Bentonite coated 3/8 in. pellets No. 2 Silica Sand 0.010 slot size 2 in. Schedule 40 PVC screen Bottom of well: 90.3 ft. No. 2 Silica Sand </p>
				SAND, gray, wet, well rounded sand, very coarse grain.	2.3	
80	-75				49	
					70.4	
					83.5	
85	-80				109.5	
					112.3	
90	-85				61.4	
					30.7	
					50.1	
95	-90				29.2	
Bottom of borehole at 97.0 feet.					14.8	

-91.40

Bottom of borehole at 97.0 feet.

14.8

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/24/2021</u> COMPLETED <u>3/24/2021</u>	NORTHING <u>425163.57 ft</u> EASTING <u>872110.09 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>6.35 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>6.07 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0				SILTY SAND, brown to pale brown, wet, fine grain.		
5				Gray.		Type I/II portland cement
10				Trace to some shell fragments, 2 in. thick clay lense at 10 ft.		2 in. Schedule 40 PVC
15				SAND with abundant white shell fragments, gray, very coarse grain.	-5.65	Bentonite coated 3/8 in. pellets
				SILTY SAND with trace shell fragments, gray, wet, fine grain.	-6.65	No. 2 Silica Sand
20				SAND with abundant white shell fragments, gray, wet, very coarse grain.	-9.65	
				SILTY SAND with some 1 in. thick clay lenses throughout, gray, wet, fine to very fine grain.	-10.65	0.010 slot size 2 in. Schedule 40 PVC screen
25				Few clay lenses up to 6 in. thick, thinning with depth, very soft, high plasticity.		Bottom of well: 25.3 ft. No. 2 Silica Sand
				Bottom of borehole at 27.0 feet.	-20.65	

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/24/2021</u> COMPLETED <u>3/24/2021</u>	NORTHING <u>425158.32 ft</u> EASTING <u>872102.60 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>6.35 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>6.15 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
0				SILTY SAND, brown to pale brown to gray, wet, fine grain.		
5					0.1	
5	0				0.1	Type I/II portland cement
10				SAND with abundant shell fragments, gray, wet, fine grading to coarse grain.	0	2 in. Schedule 40 PVC
10	-5				0.1	
15				SILTY SAND with trace to some shell fragments, gray, wet, fine grain.	1	
15	-5				0.3	
15				SAND with abundant shell fragments, gray, wet, coarse grain.	0.3	
15	-10				0.1	
20				SILTY SAND with trace to some interbedded very soft, high plasticity clay throughout, gray, fine grain.	0.2	
20	-10				0.2	
25				CLAY with 2-2 in. thick silty sand lenses throughout, gray, wet, soft, high plasticity.	0.2	
25	-15				0.1	
30				SILTY SAND, gray, wet, fine to medium grain.	0.1	
30	-25				1	
					0.3	

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CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

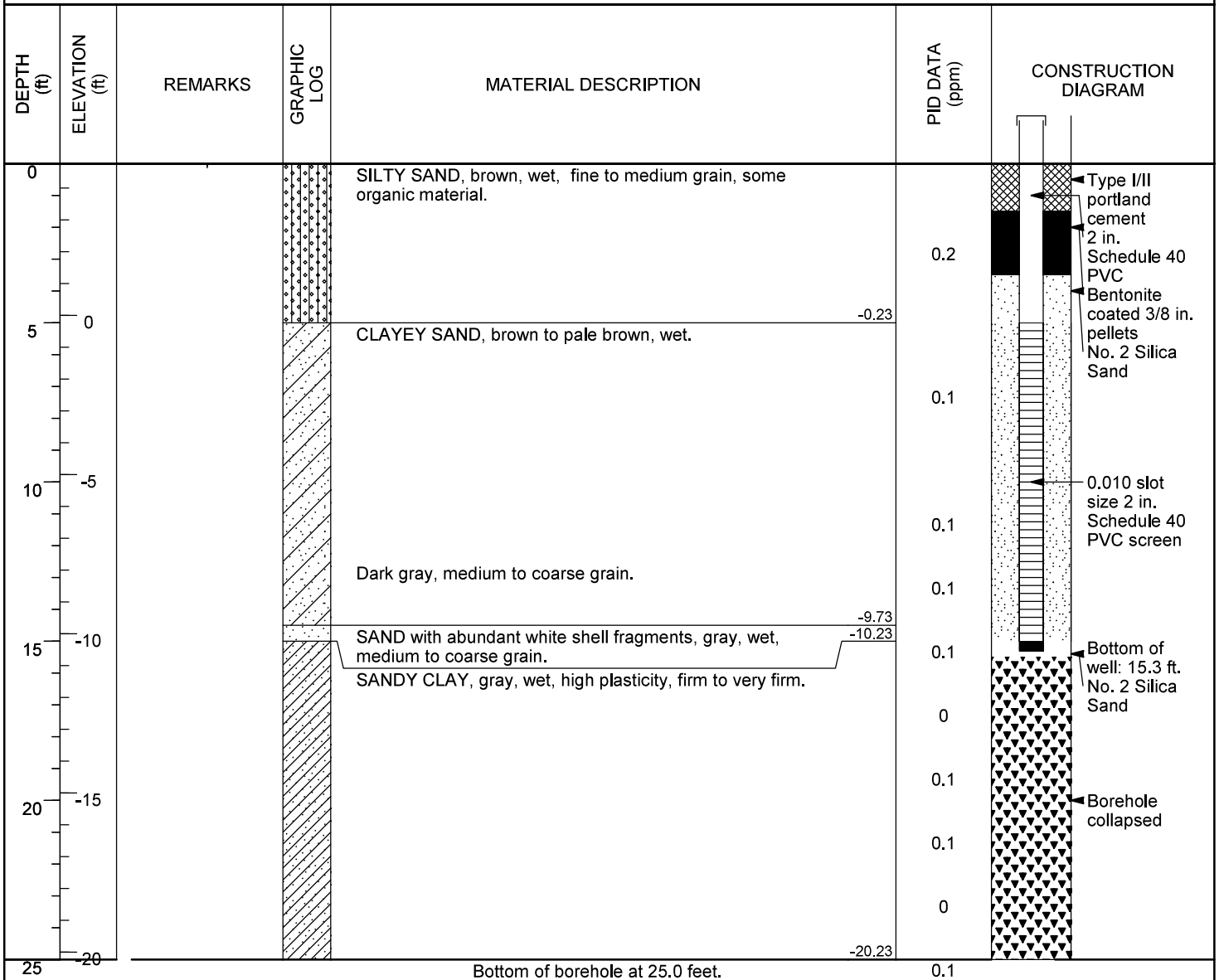
DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35				SILTY SAND, gray, wet, fine to medium grain. <i>(continued)</i>	-29.65	
	-30			CLAY, gray, wet, soft, high plasticity.	-30.65	
				SAND, gray, wet, coarse grain.		
40						
	-35					
45						
	-40					
					-41.65	
				SANDSTONE/SANDY MUDSTONE, wet, coarse grain, brittle.		
					-43.65	
50				SAND, gray, wet, coarse grain.		
	-45					
					-46.65	
				SANDSTONE/SANDY MUDSTONE with some interbedded CLAYEY SAND, wet, coarse grain, brittle.		
					-48.65	
55				SAND, gray, wet, coarse grain.		
	-50					
60						
	-55					
65					-58.65	
					16.6	

Bottom of borehole at 65.3 feet.

Bottom of well: 65.3 ft.

Bentonite coated 3/8 in. pellets
No. 2 Silica Sand
0.010 slot size 2 in. Schedule 40 PVC screen

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/12/2021</u> COMPLETED <u>3/13/2021</u>	NORTHING <u>424992.44 ft</u> EASTING <u>872979.96 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>4.77 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>7.80 ft</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	MSL GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>



CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

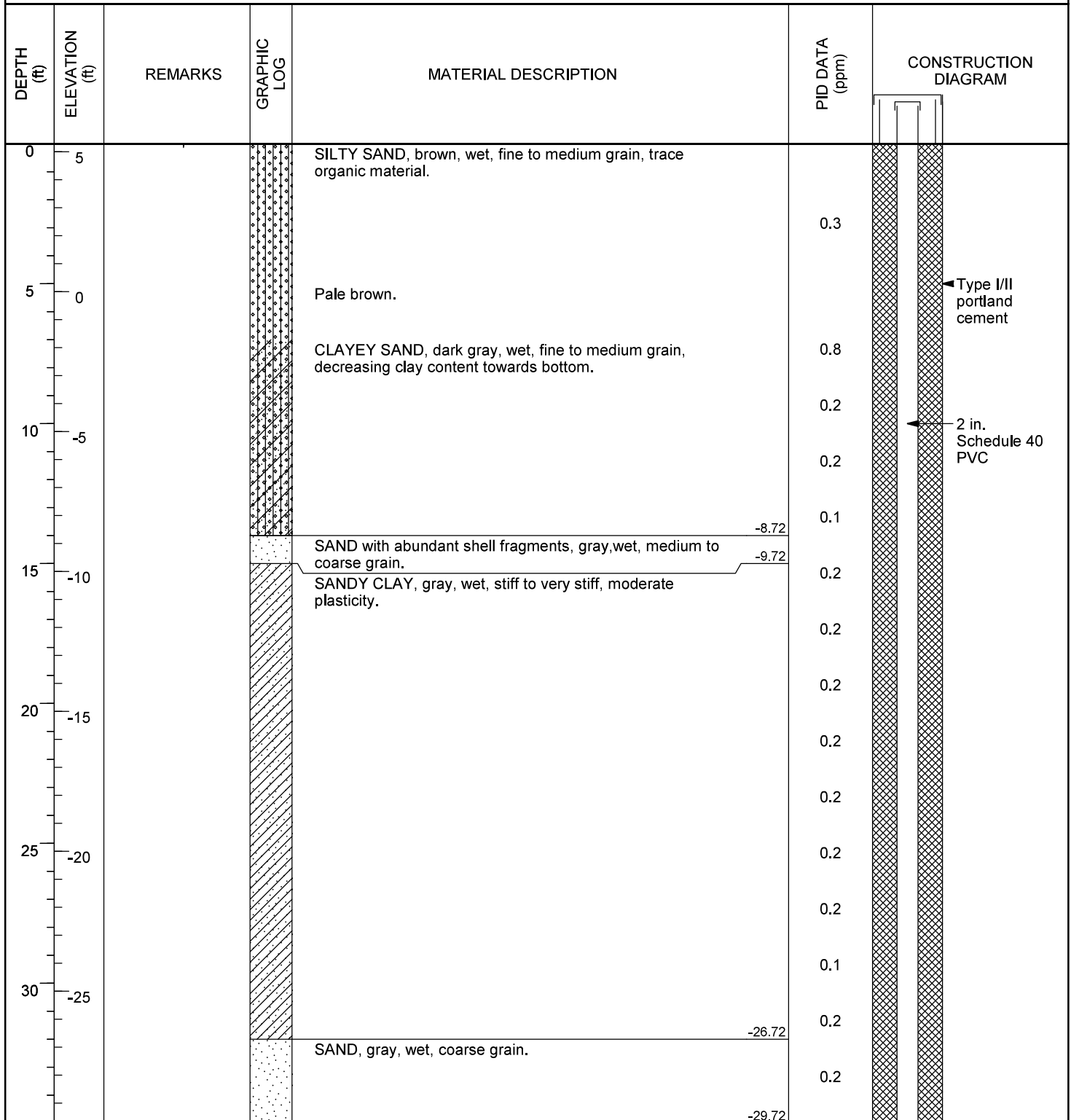
DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35				SAND with interbedded, SANDSTONE/SANDY MUDSTONE, gray, wet, coarse grain, dense, brittle.	0	<p> Bentonite coated 3/8 in. pellets No. 2 Silica Sand 0.010 slot size 2 in. Schedule 40 PVC screen No. 2 Silica Sand </p>
40	-35			SAND, gray, wet, coarse grain, loose.	0.1	
					0.2	
45	-40				0.1	
50	-45				0.1	

-46.44

Bottom of borehole at 51.3 feet.

Bottom of well: 51.3 ft. No. 2 Silica Sand

CLIENT <u>Hercules, LLC</u>	PROJECT NAME <u>Observation Well Installation</u>
PROJECT NUMBER <u>GW6881P</u>	PROJECT LOCATION <u>Brunswick, Georgia</u>
DATE STARTED <u>3/13/2021</u> COMPLETED <u>3/13/2021</u>	NORTHING <u>424987.61 ft</u> EASTING <u>873000.70 ft</u>
DRILLER <u>SAEDACCO</u>	GROUND ELEVATION <u>5.28 ft MSL</u> BORING DIAMETER <u>6 in.</u>
DRILLING METHOD <u>Sonic</u>	TOP OF CASING ELEVATION <u>7.98 ft MSL</u>
SAMPLING METHOD <u>4 in. core 6 in. override</u>	GEOPHYSICAL CONTRACTOR <u>---</u>
RIG TYPE <u>Geoprobe 8150 LS</u>	LOGGED BY <u>A. Ramsey</u> CHECKED BY <u>A. Reimer</u>



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CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
35	-30			SANDSTONE/SANDY MUDSTONE, gray, wet, coarse grain, brittle. -31.22	0.4	
				SAND with trace interbedded SANDSTONE/SANDY MUDSTONE, gray, wet, coarse grain.	0.3	
40	-35				0.3	
					0.2	
					0.2	
45	-40				0.2	
					0.3	
					0.6	
50	-45				0.2	
					0.2	
					0.2	
55	-50			SANDSTONE/SANDY MUDSTONE with some well rounded quartz gravel, gray, wet, coarse grain, brittle. -52.72	0.2	
					1.1	
60	-55				0.5	
				SAND with trace interbedded SANDSTONE/SANDY MUDSTONE, gray, wet, coarse grain. -56.72	4.5	
					1.1	
					1.4	
					1.5	
70	-65			SAND, gray, wet, coarse grain. -64.72	3.2	
					5.7	
					3.1	

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CLIENT Hercules, LLC PROJECT NAME Observation Well Installation
 PROJECT NUMBER GW6881P PROJECT LOCATION Brunswick, Georgia

DEPTH (ft)	ELEVATION (ft)	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID DATA (ppm)	CONSTRUCTION DIAGRAM
75	-70			SAND, gray, wet, coarse grain. <i>(continued)</i>		<p> 3 6.5 16 11.6 32.6 44.2 33.5 24.1 12.9 8.6 6.3 7.1 5.1 </p> <p> Bentonite coated 3/8 in. pellets No. 2 Silica Sand 0.010 slot size 2 in. Schedule 40 PVC screen Bottom of well: 90.3 ft. No. 2 Silica Sand </p>
80	-75			Some gravelly sand.		
85	-80					
90	-85					
95		Bottom of borehole at 95.0 feet.			-89.72	