



CT Consultants, Inc.
1915 N 12th Street
Toledo Ohio 43604
Telephone: (419)324-2222

BORING NUMBER B-3

PAGE 1 OF 1

CLIENT City of Conneaut **PROJECT NAME** Conneaut WWTP
PROJECT NUMBER 231837 **PROJECT LOCATION** Conneaut, OH
DRILLING CONTRACTOR Ridgeway Drilling, Inc. Paul Greg **RIG NO.** D50 **GROUND ELEVATION** 579 ft
DRILLING METHOD 3-1/4 in. HSA **GROUND WATER LEVELS:**
DATE STARTED 8/9/24 **COMPLETED** 8/9/24 **▽ AT TIME OF DRILLING** 1.3 ft / Elev 577.7 ft
LOGGED BY KKC **CHECKED BY** IJH **▼ AT END OF DRILLING** 7.0 ft / Elev 572.0 ft
NOTES Split spoon refusal encountered at 13.8 feet. **0hrs AFTER DRILLING** Backfilled w/Cuttings

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	PL MC LL			
									20	40	60	80
	0		TOPSOIL - 6 Inches									
			FILL - Moist Medium Dense Brown SILTY SAND w/Crushed Stone and Trace Organics	SS 1	50	6-12-15-13 (27)	NP		10	▲		
			FILL - Moist Loose Brown POORLY GRADED SAND w/Trace Crushed Stone and Silt	SS 2	50	6-5-6-6 (11)	NP		10			
	5		Moist Loose Brown POORLY GRADED SAND w/Trace Silt (SP)	SS 3	67	7-4-5-6 (9)	NP		7			
			Moist Loose Brown POORLY GRADED SAND w/Trace Silt (SP)	SS 3	67	7-4-5-6 (9)	NP		5	▲		
			Wet Medium Dense Brown/Gray POORLY GRADED SAND w/Silt and Gravel (SP-SM)	SS 4	67	5-8-10-13 (18)	NP		13	▲		
			Wet Dense Gray POORLY GRADED SAND w/Gravel and Trace Silt (SP)	SS 5	75	13-15-21-18 (36)	NP		7		▲	
	10		Moist Very Dense Gray WEATHERED SHALE	SS 6	83	50/3"	NP		7			>>▲
			Bottom of hole at 13.8 feet.									

TTL_GEOTECH_STANDARD 231837.GPJ GINT US LAB.GDT 8/23/24



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CLIENT City of Conneaut **PROJECT NAME** Conneaut WWTP
PROJECT NUMBER 231837 **PROJECT LOCATION** Conneaut, OH
DRILLING CONTRACTOR Ridgeway Drilling, Inc. Paul Greg **RIG NO.** D50 **GROUND ELEVATION** 579 ft
DRILLING METHOD 3-1/4 in. HSA **GROUND WATER LEVELS:**
DATE STARTED 8/9/24 **COMPLETED** 8/9/24 **AT TIME OF DRILLING** None
LOGGED BY KKC **CHECKED BY** IJH **AT END OF DRILLING** None
NOTES Split spoon refusal encountered at 15.0 feet. **0hrs AFTER DRILLING** Backfilled w/Cuttings and Patch

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	PL MC LL					
									20	40	60	80		
	0		ASPHALT - 5 Inches											
			CRUSHED STONE - 19 Inches											
			FILL - Moist Very Stiff Black/Brown SANDY SILT				4.00							
			Moist Medium Dense Brown CLAYEY SAND (SC)	SS 1	75	17-10-6-8 (16)	NP							17
575			Moist Medium Dense Brown POORLY GRADED SAND w/Silt (SP-SM)	SS 2	75	4-5-6-9 (11)	NP							5
	5		@6.5': Wet, Gray, w/Gravel	SS 3	67	6-5-6-7 (11)	NP							14
			@8': Moist	SS 4	75	7-9-10-14 (19)	NP							12
570														11
	10													
			Moist Very Dense Gray POORLY GRADED SAND w/Gravel and Trace Silt (SP)	SS 5	100	11-14-50 (64)	NP							15
565			Moist Very Dense Gray WEATHERED SHALE				NP							9
	15		Bottom of hole at 15.0 feet.											

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SUMMARY OF LABORATORY RESULTS

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Borehole	Depth	Liquid Limit	Plastic Limit	Plasticity Index	Maximum Size (mm)	%<#200 Sieve	Classification	Water Content (%)	Dry Density (pcf)	Saturation (%)	Void Ratio
B-3	0.0							9.5			
B-3	2.0							9.8			
B-3	4.4							7.4			
B-3	5.4							4.9			
B-3	6.0	NP	NP	NP	25	8	SP-SM	12.7			
B-3	8.0							7.3			
B-3	13.5							7.4			
B-4	2.5							17.0			
B-4	3.5							12.1			
B-4	4.0	NP	NP	NP	2	8	SP-SM	5.1			
B-4	6.3							14.0			
B-4	7.3							12.0			
B-4	8.0							11.3			
B-4	14.0							14.5			
B-4	14.8							8.5			



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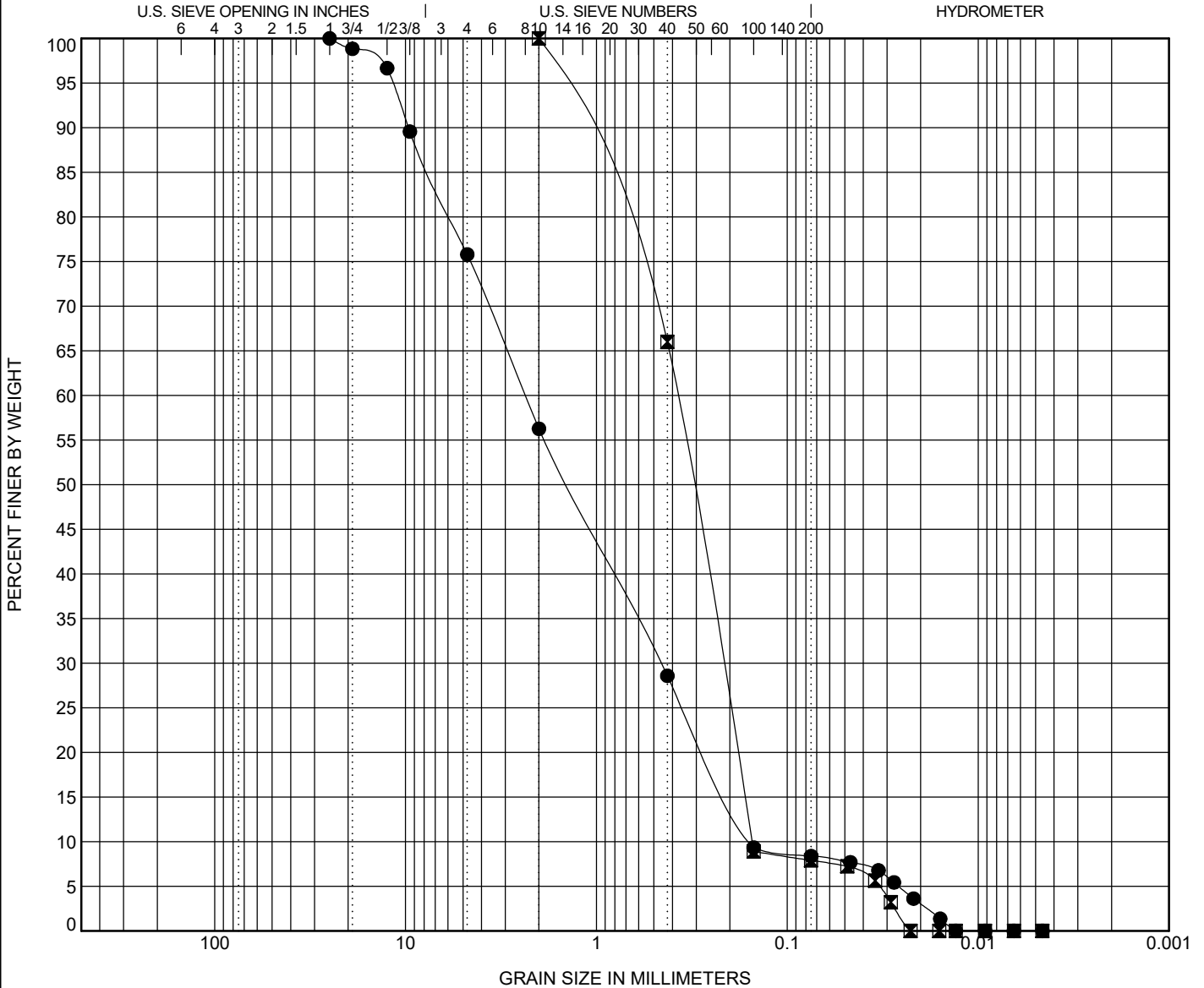
GRAIN SIZE DISTRIBUTION

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COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification	USCS Classification					LL	PL	PI	Cc	Cu	
● B-3	6.0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM)					NP	NP	NP	0.6	15.2
☒ B-4	4.0	POORLY GRADED SAND with SILT (SP-SM)					NP	NP	NP	0.8	2.5
Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay			
● B-3	6.0	25	2.359	0.46	0.155	24.2	67.4	8.4	0.0		
☒ B-4	4.0	2	0.381	0.22	0.153	0.0	92.1	7.9	0.0		

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