



SOIL PROFILE - CULVERT
CULVERT WOO-65-13.45 OVER TRIBUTARY

PROJECT: WOO-65-13.45	DRILLING FIRM / OPERATOR: TTL / CW	DRILL RIG: HAND AUGER	STATION / OFFSET: 711+74, 30' LT.	EXPLORATION ID: B-005-0-21
TYPE: RETAINING WALL	SAMPLING FIRM / LOGGER: TTL / KKC	HAMMER: 33 LB HOUSEL HAMMER	ALIGNMENT: SR 65	
PID: 93680 SFN:	DRILLING METHOD: HAND AUGER	CALIBRATION DATE: N/A	ELEVATION: 642.1 (NAVD88)	EOB: 4.8 ft.
START: 12/9/22 END: 12/9/22	SAMPLING METHOD: SPT	ENERGY RATIO (%): 60	LAT / LONG: 41.520495, -83.703491	PAGE 1 OF 1

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	BACK FILL		
								GR	CS	FS	SI	CL	LL	PL	PI	WC				
WOOD CHIPS - 5 INCHES	642.1		3			SS-1A	-	-	-	-	-	-	-	-	-	-	-	-	UCF (V)	
TOPSOIL - 2 INCHES	641.7	1	3	7	100	SS-1B	-	-	-	-	-	-	-	-	-	-	-	-	UCF (V)	
	641.5		4			SS-1C	3.25	-	-	-	-	-	-	-	-	-	-	19	A-6b (V)	
MEDIUM STIFF, BROWN, SILTY CLAY, LITTLE SAND, TRACE GRAVEL, TRACE ORGANICS, DAMP	640.1	2	3	7	15	100	SS-2A	-	-	-	-	-	-	-	-	-	-	-	A-6b (V)	
STIFF, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, DAMP	638.5	3	6	8			SS-2B	-	1	10	22	22	45	31	20	11	11	-	A-6a (7)	
VERY STIFF, BROWN, SILTY CLAY, SOME SAND, TRACE ROCK FRAGMENTS, TRACE ORGANICS (ROOTS), MOIST	637.6	4	13	15	28	100	SS-3A	-	-	-	-	-	-	-	-	-	-	-	A-6a (V)	
HARD, GRAY, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, DAMP	637.3		15				SS-3B	2.25	1	10	14	27	48	39	22	17	24	-	A-6b (11)	
		EOB	23/3"				SS-4	-	-	-	-	-	-	-	-	-	-	12	A-4a (V)	

NOTES: AUGER REFUSAL AT 4.8 FEET.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: WOO-65-13.45	DRILLING FIRM / OPERATOR: TTL / CW	DRILL RIG: CME 75 TRUCK 844	STATION / OFFSET: 711+70, 9' LT.	EXPLORATION ID: B-005-1-21
TYPE: RETAINING WALL	SAMPLING FIRM / LOGGER: TTL / KKC	HAMMER: CME AUTOMATIC	ALIGNMENT: SR 65	
PID: 93680 SFN:	DRILLING METHOD: HSA	CALIBRATION DATE: 3/15/21	ELEVATION: 632.0 (NAVD88)	EOB: 23.8 ft.
START: 12/9/22 END: 12/9/22	SAMPLING METHOD: SPT	ENERGY RATIO (%): 66	LAT / LONG: 41.520455, -83.703436	PAGE 1 OF 1

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	ABANDONED		
								GR	CS	FS	SI	CL	LL	PL	PI	WC				
ASPHALT - 8 INCHES	632.0																			
AGGREGATE BASE - 9 INCHES	630.6	1	14																	
STIFF, BROWN/GRAY, SILT AND CLAY, "AND" CRUSHED STONE, SOME SAND, DAMP FILL	629.0	2	7	7	15	89	SS-1A	-	-	-	-	-	-	-	-	-	-	-	-	A-1-b (V)
VERY STIFF TO HARD, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, DAMP		3																		
		4	8	11	28	89	SS-2	4.50	3	8	15	25	49	30	18	12	14	-	-	A-6a (9)
	626.0	5	14																	
HARD, BROWN, SILT AND CLAY, SOME SAND, LITTLE GRAVEL, DAMP		6	20	25	55	100	SS-3	-	-	-	-	-	-	-	-	-	-	-	-	A-6a (V)
		7	25	25																
	623.0	8																		
HARD, GRAY, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, DAMP		9	10	18	48	100	SS-4A	-	-	-	-	-	-	-	-	-	-	-	-	A-6a (V)
		10	26				SS-4B	4.50	-	-	-	-	-	-	-	-	-	-	-	A-4a (V)
		11																		
		12	18	28	73	100	SS-5	-	5	11	25	43	16	20	13	7	8	-	-	A-4a (5)
		13	38																	
HARD, GRAY, SILT AND CLAY, SOME SAND, TRACE GRAVEL, DAMP	618.5	14	7	12	31	100	SS-6	4.50	-	-	-	-	-	-	-	-	-	-	-	A-6a (V)
		15	16																	
HARD, GRAY, SILTY CLAY, TRACE SAND, TRACE GRAVEL, DAMP	616.0	16	13	18	45	100	SS-7	4.50	1	3	5	23	68	38	21	17	20	-	-	A-6b (11)
		17	23																	
	613.5	18																		
VERY STIFF TO HARD, GRAY, SILTY CLAY, LITTLE SAND, LITTLE GRAVEL, DAMP		19	3	6	18	100	SS-8	4.50	-	-	-	-	-	-	-	-	-	-	-	A-6b (V)
		20	10																	
@20.5': HARD, TRACE GRAVEL		21																		
		22	14	16	36	100	SS-9A	4.00	-	-	-	-	-	-	-	-	-	-	-	A-6b (V)
	609.6	23	17																	
DENSE, GRAY, FINE SAND, TRACE SILT, DAMP	609.2																			
GRAY, WEATHERED DOLOMITE	608.2	EOB	50/0"				SS-9B	-	-	-	-	-	-	-	-	-	-	-	-	A-3 (V)
							SS-10	-	-	-	-	-	-	-	-	-	-	-	-	Rock (V)

NOTES: AUGER REFUSAL AT 23.8 FEET.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.25 BAG ASPHALT PATCH; PUMPED 7 CF CEMENT-BENTONITE GROUT

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 2/7/23 15:25 - S:\PROJECTS\2130702.GPJ

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 2/7/23 15:26 - S:\PROJECTS\2130702.GPJ

SHEET TOTAL	15
TOTAL	16

PROJECT ID: 93680
 DESIGNER: TRR
 REVIEWER: KCH 08-22

 Environmental, Geotechnical Engineering & Testing

SOIL PROFILE - CULVERT
 CULVERT WOO-65-9.38 OVER TRIBUTARY
 BORING LOGS B-005-0-21 AND B-005-1-21