

PROJECT: WAS-77-09.58			DRILLING FIRM / OPERATORCENTRAL STAR / T.S			DRILL RIG: DIEDRICH D-50			STATION / OFFSET: 504+48, 243' LT.										EXPLORATION ID	
TYPE: RETAINING WALL			SAMPLING FIRM / LOGGER: HDR / A.K.B.			HAMMER: DIEDRICH AUTOMATIC			ALIGNMENT: I-77										B-005-0-23	
PID: 115420 SFN:			DRILLING METHOD: 3.25" HSA / NQ2			CALIBRATION DATE: 3/7/22			ELEVATION: 858.7 (MSL) EOB: 69.1 ft.										PAGE	
START: 7/17/23 END: 7/17/23			SPT / ST / NQ2			ENERGY RATIO (%): 86.8			LAT / LONG: 39.532305, -81.445576										1 OF 2	
MATERIAL DESCRIPTION AND NOTES			ELEV.			REC SAMPLE HP			GRADATION (%)										ODOT CLASS (g)	
			858.7			ID (tsf)			GR CS FS SI CL LL PL PI WC										HOLE SEALED	
TOPSOIL (2") MEDIUM STIFF TO STIFF, BROWN, CLAY, "AND" SILT, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP (FILL)																				
STIFF, RED-BROWN, SILTY CLAY, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP (FILL)			852.7																	
SOFT TO MEDIUM STIFF, RED-BROWN, SILTY CLAY, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP (FILL)			850.2																	
@13.9' - 14.4": Qu = 2998 psf, γ = 138 pcf																				
MEDIUM STIFF TO STIFF, RED-BROWN, CLAY, SOME SILT, LITTLE STONE FRAGMENTS, LITTLE SAND, DAMP (FILL)			843.2																	
VERY STIFF, BROWN, SILT AND CLAY, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP (FILL)			835.2																	
MEDIUM DENSE, RED-BROWN TO BROWN, STONE FRAGMENTS WITH SAND, SILT, AND CLAY, DAMP (FILL)			830.2																	
STIFF TO VERY STIFF, RED-BROWN, TRACE GRAY, SILTY CLAY, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP			825.2																	
VERY STIFF, RED-BROWN, TRACE GRAY, CLAY, "AND" SILT, SOME SAND, DAMP			820.2																	
HARD, PURPLE, BROWN, AND GRAY, CLAY, "AND" SILT, TRACE SAND, TRACE GRAVEL, DAMP @45': added water to aid drilling			815.2																	
CLAYSTONE, PURPLE, BROWN, AND GRAY, SEVERELY WEATHERED, VERY WEAK. CLAYSTONE, RED-BROWN, SEVERELY TO HIGHLY WEATHERED, VERY WEAK, THICK BEDDED, JOINT DISCONTINUITIES, MODERATELY FRACTURED TO FRACTURED, OPEN APERTURE WIDTH, SLIGHTLY ROUGH SURFACE, BLOCKY STRUCTURE, POOR SURFACE; RQD 64%, REC 100%. CLAYSTONE, RED-BROWN, MODERATELY WEATHERED, WEAK, THICK TO VERY THICK BEDDED, JOINT DISCONTINUITIES, SLIGHTLY TO MODERATELY FRACTURED, OPEN APERTURE WIDTH, SLIGHTLY ROUGH SURFACE, BLOCKY STRUCTURE, FAIR SURFACE; RQD 100%, REC 100%. @53.2' - 53.6': Qu = 1129 psf, γ = 158 pcf			810.2 809.7			TR													CORE	
			800.8																CORE	

STANDARD ODOT SOIL BORING LOG (11 X 17) - 9/5/23 13:03 - C:\P\WORKING\EA\ST01\B338644\WAS-77-9.58 BORING LOGS.GPJ

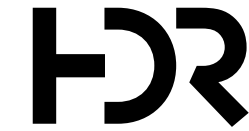
PID: 115420		SFN:	PROJECT:	WAS-77-09.58	STATION / OFFSET: 504+48, 243' LT.		START: 7/17/23			END: 7/17/23			PG 2 OF 2			B-005-0-23						
MATERIAL DESCRIPTION AND NOTES					ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)			ATTERBERG		WC	ODOT CLASS (G1)	HOLE SEALED			
<div>INTERBEDDED SANDSTONE (80%) AND CLAYSTONE (20%), JOINT AND BEDDING DISCONTINUITIES, FRACTURED, NARROW TO OPEN APERTURE WIDTH, SLIGHTLY ROUGH SURFACE, BLOCKY/DISTURBED/SEAMY STRUCTURE, VERY POOR TO POOR SURFACE, RQD 91%, REC. 100%;</div> <div>SANDSTONE: GRAY TO BROWN, HIGHLY WEATHERED, SLIGHTLY STRONG, VERY THIN TO THIN BEDDED.</div> <div>CLAYSTONE: RED-BROWN TO GRAY, SEVERELY TO HIGHLY WEATHERED, VERY WEAK, LAMINATED TO VERY THIN BEDDED. (continued)</div> <div>CLAYSTONE: PURPLE, GREEN, AND BROWN, SEVERELY TO HIGHLY WEATHERED, VERY WEAK, VERY THIN BEDDED, JOINT AND BEDDING DISCONTINUITIES, FRACTURED TO HIGHLY FRACTURED, OPEN APERTURE WIDTH, SLICKENSIDED TO SLIGHTLY ROUGH SURFACE, BLOCKY/DISTURBED/SEAMY STRUCTURE, VERY POOR SURFACE, RQD 17%, REC 66%.</div> <div>CLAYSTONE: RED-BROWN, MODERATELY WEATHERED, VERY WEAK, THICK TO VERY THICK BEDDED, JOINT DISCONTINUITIES, MODERATELY FRACTURED TO FRACTURED, NARROW TO OPEN APERTURE WIDTH, SLIGHTLY ROUGH SURFACE, BLOCKY STRUCTURE, FAIR SURFACE, RQD 86%, REC 100%.</div>					798.7	61																
						62																
						63																
						64																
						65																
						66	78	99	NQ2-3												CORE	
						67																
						68																
						69																
						EOB																

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: TREMIED 25 LB. BENTONITE POWDER; 94 LB. CEMENT; 50 GAL. WATER

PROJECT: WAS-77-09.58			DRILLING FIRM / OPERATOR:CENTRAL STAR / T.S			DRILL RIG: DIEDRICH D-50			STATION / OFFSET: 504+40, 322' LT.										EXPLORATION ID														
TYPE: RETAINING WALL			SAMPLING FIRM / LOGGER: HDR / D.C.M.			HAMMER: DIEDRICH AUTOMATIC			ALIGNMENT: I-77										B-006-0-23														
PID: 115420 SFN:			DRILLING METHOD: 3.25" HSA			CALIBRATION DATE: 3/7/22			ELEVATION: 839.8 (MSL) EOB: 37.7 ft.										PAGE														
START: 7/12/23 END: 7/12/23			SPT / ST			ENERGY RATIO (%): 86.8			LAT / LONG: 39.532204, -81.445824										1 OF 1														
MATERIAL DESCRIPTION AND NOTES															SPT/ RQD	N ₆₀	REC SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG					ODOT CLASS (g)	HOLE SEALED			
MEDIUM STIFF TO STIFF, RED-BROWN, SILTY CLAY, SOME SAND, TRACE STONE FRAGMENTS, DAMP															DEPTHS		ELEV. 839.8																
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STIFF TO VERY STIFF, RED-BROWN, TRACE GRAY AND LIGHT BROWN, SILTY CLAY, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP															831.8																		
MEDIUM STIFF TO STIFF, RED-BROWN, TRACE LIGHT BROWN, SILTY CLAY, SOME SAND, TRACE STONE FRAGMENTS, DAMP															824.3																		
MEDIUM STIFF TO STIFF, RED-BROWN, TRACE LIGHT BROWN, SILT AND CLAY, LITTLE STONE FRAGMENTS, LITTLE SAND, DAMP															819.8																		
MEDIUM STIFF TO STIFF, RED-BROWN, SILT AND CLAY, LITTLE SAND, DAMP @25': 2" of black plastic/tar/rubber, 1" of rounded 1/4" gravel															814.8																		
HARD, RED-BROWN, SILT AND CLAY, LITTLE SAND, DAMP (RESIDUUM)															809.8																		
CLAYSTONE RED-BROWN, TRACE PURPLE, HIGHLY WEATHERED, VERY WEAK.															804.8																		
															802.1																		

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT.GDT - 9/6/23 13:03 - C:\P\WORKING\ENGINE\AST01\B3386644\WAS-77-9.58 BORING LOGS.GPJ



DESIGNER

AKB

REVIEWER

DMV 09/08/23

PROJECT ID

115420

SHEET

P.0

TOTAL

0

GEOTECHNICAL PROFILE - CULVERT
BORING LOG B-006-0-23

WAS-77-09.58

MODEL: Sheet PAPER: SIZE: 34x22 (in.) DATE: 9/8/2023 TIME: 4:04:37 PM USER: CWAHLBRI
 PW: Yohidrot-pw Bentley.com: ohidrot-pw-02 Documents\01 Active Projects\Disturbance\115420\402-Engineering_HDR\Geotechnical\Sheets\115420_IL004.dgn

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STANDARD OPOT SOIL BORING LOG (11 X 17) - OH DOT GDT - 9/5/23 13:03 - C:\PMW\WORKING\EAST01\1D386644\WAS-77-9-58 BORING LOGS.GPJ

PID: 115420	SFN:	PROJECT:	WAS-77-09.58	STATION / OFFSET:		505+17, 280' LT.	START: 7/12/23	END: 7/13/23	PG 2 OF 2	B-007-0-23											
		MATERIAL DESCRIPTION AND NOTES		ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	HP ID	(tsf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (GI)	HOLE SEALED
				789.7																	
		DISCONTINUITIES, FRACTURED, NARROW TO OPEN APERTURE WIDTH, SLIGHTLY ROUGH SURFACE, BLOCKY STRUCTURE, FAIR SURFACE; RQD 71%, REC 100%.																			
		CLAYSTONE, RED-BROWN, MODERATELY WEATHERED, VERY WEAK, THIN BEDDED, JOINT DISCONTINUITIES, FRACTURED, NARROW APERTURE WIDTH, SLIGHTLY ROUGH SURFACE, BLOCKY STRUCTURE, FAIR SURFACE; RQD 71%, REC 100%.																			
NOTES: NONE																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: TREMIED 25 LB. BENTONITE POWDER; 94 LB. CEMENT; 50 GAL. WATER																					

STANDARD ODOT SOIL BORING LOG (1 X 17) - OH DOT.GDT - 9/5/23 13:03 - C:\P\WORK\KING\EA\ST01\B3386644\WAS-77-9.58 BORING LOGS.GPJ