

THIS GEOTECHNICAL PROFILE HAS BEEN PREPARED FOR THE CULVERT REPLACEMENTS ALONG US ROUTE 127 (US 127) NEAR WEST UNITY, WILLIAMS COUNTY, OHIO, DESIGNATED AS WL-127-15.09 PID 114748. THE CULVERT (SFN 181325) IS LOCATED APPROXIMATELY ½ MILE NORTHEAST OF WEST UNITY AT SLM 15.09 IN BRADY TOWNSHIP.

REVIEW OF ODOT RECORDS INDICATED THAT NO HISTORIC BORINGS WERE PERFORMED WITHIN THE PROJECT AREAS.

PUBLISHED GEOLOGIC MAPS FROM THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) INDICATE THAT THE PROJECT SITE IS LOCATED ON THE BORDER OF CENTRAL OHIO CLAYEY TILL PLAIN AND MAUMEE LAKE PLAINS PHYSIOGRAPHIC REGIONS. WITHIN THE CENTRAL OHIO CLAYEY TILL PLAIN REGION, THE GEOLOGIC DEPOSITS CONSIST OF WISCONSINAN-AGE GLACIAL TILL AND LACUSTRINE MATERIALS OVERLYING PALEOZOIC-AGE CARBONATE ROCKS. WITHIN THE MAUMEE LAKE PLAINS REGION, THE GEOLOGIC DEPOSITS CONSIST OF PLEISTOCENE-AGE SILT, CLAY, AND WAVE-PLANED CLAYEY TILL OVERLYING SILURIAN- AND DEVONIAN-AGE CARBONATE ROCKS AND SHALES.

THE GLACIAL TILL, ALSO REFERRED TO AS MORAINE, WAS DEPOSITED BY THE ADVANCE AND RETREAT OF GLACIAL ICE. DUE TO THE WEIGHT OF THE ICE MASS, THE TILL DEPOSITS ARE MODERATELY TO HIGHLY OVER-CONSOLIDATED, THAT IS, THE EXISTING SOIL DEPOSITS HAVE EXPERIENCED A PREVIOUS VERTICAL STRESS SIGNIFICANTLY HIGHER THAN THE PRESENT EFFECTIVE VERTICAL STRESS DUE TO THE REMAINING OVERLYING SOIL STRATA IN THE PROFILE. THE TILL MAY CONTAIN COBBLES AND/OR BOULDERS LEFT IN THE TILL SOIL MATRIX. ADDITIONALLY, SEAMS OF GRANULAR SOILS MAY ALSO BE ENCOUNTERED WITHIN GLACIAL TILLS. THESE GRANULAR SEAMS MAY OR MAY NOT BE WATER BEARING. THE LACUSTRINE SOILS CONSIST OF LAKE-LAID DEPOSITS THAT EXHIBIT MUCH LOWER PREVIOUS VERTICAL STRESS THAN THE TILL DEPOSITS.

BEDROCK IN THE PROJECT AREA IS BROADLY MAPPED ON THE "GEOLOGIC MAP OF OHIO" AS WAVERLY (SHALES, SANDSTONE AND LIMESTONE)..TOP OF BEDROCK IS MAPPED TO BE AT APPROXIMATELY ELEV. 600, RESPECTIVELY. CORRESPONDING TO APPROXIMATELY 185 FEET BELOW ROADWAY GRADES, RESPECTIVELY.

REVIEW OF THE ODNR "OHIO KARST AREAS" MAP INDICATED THAT THE SITE IS NOT IN AN AREA OF PROBABLE KARST.

THE USDA SOIL CONSERVATION SERVICE (SCS) WEB SOIL SURVEY INDICATES THAT THE NEAR-SURFACE SOILS IN THE PROJECT AREA ARE MAPPED AS MILLGROVE LOAM. THESE SOILS ARE COMPRISED OF OUTWASH FORMED ON FLATS.

REVIEW OF THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) MAP OF MINES INDICATED NO HISTORIC MINING ACTIVITY IN THE VICINITY OF EITHER CULVERT SITE. THE CLOSEST INDICATED PREVIOUS MINING IS LOCATED APPROXIMATELY MORE THAN 1 MILE SOUTHEAST OF SITE.

CT PERFORMED SITE RECONNAISSANCE ON JUNE 27, 2024. THE SITE IN THE VICINITY OF THE CULVERT CONSISTS OF PREDOMINANTLY RURAL RESIDENTIAL AREA.

IN THE IMMEDIATE AREA OF THE CULVERT, PAVEMENT ALONG US 127 WAS OBSERVED TO BE IN GENERALLY FAIR CONDITION, ALBEIT HEAVILY WEATHERED. PAVEMENT DISTRESSES WERE GENERALLY LIMITED TO A FEW TRANSVERSE CRACKS EITHER SIDE OF THE CULVERT, AND LONGITUDINAL CRACKS ALONG THE EDGES OF THE PAVEMENT. APPROXIMATELY 1 TO 2 INCHES OF SEPARATION WAS OBSERVED FOR SOME CRACKS AT THE EDGE OF PAVEMENT. THE OBSERVED CRACKS WERE NOT SEALED.

THE SLOPES FROM THE ROAD TO THE DITCH HAD MULTIPLE AREAS OF EROSION RILLS FROM RUNOFF. RIPRAP WAS PRESENT AT THE SOUTHWESTERN QUADRANT OF THE CULVERT LOCATION.

THE EXISTING CONCRETE BOX CULVERT WAS RECTANGULAR IN CROSS-SECTIONAL SHAPE. THE BOX CULVERT DIMENSIONS WERE APPROXIMATELY 7 FEET SPAN AND BY 9½ FEET RISE.

THE DITCH BOTTOM WAS APPROXIMATELY 9½ TO 10 FEET BELOW THE ROAD SURFACE. AT THE TIME OF THIS RECONNAISSANCE, WATER LEVELS IN THE DITCH WERE GENERALLY 8 TO 9 INCHES DEEP.

OVERHEAD UTILITY LINES WERE OBSERVED ALONG THE BOTH SIDE OF US 127, OFFSET APPROXIMATELY 10 TO 15 FEET FROM THE PAVEMENT EDGE.

THE BORINGS WERE DRILLED BY DLZ UNDER THE DIRECTION OF CT CONSULTANTS ON JULY 3, 2024. THESE BORINGS ARE FULLY DESIGNATED AS BORINGS B-003-0-24 AND B-004-0-24. THE BORINGS ARE DESIGNATED IN ACCORDANCE WITH ODOT PROTOCOL, BUT THE -0-24 PORTION OF THE NOMENCLATURE IS GENERALLY OMITTED IN THE DISCUSSIONS BELOW. BORINGS B-003 AND B-004 WERE PERFORMED IN THE NORTHBOUND LANE, SOUTH OF THE CULVERT, AND IN THE SOUTHBOUND LANE, NORTH OF THE CULVERT, RESPECTIVELY. STATIONING AND OFFSETS WERE OBTAINED FROM PLANS PROVIDED BY ODOT DISTRICT 2. LATITUDE, LONGITUDE, AND GROUND SURFACE ELEVATIONS WERE SURVEYED BY CT USING A HAND-HELD GPS UNIT. THE ACCURACY FROM THE HANDHELD GPS DEVICE WAS GENERALLY FOUND TO BE APPROXIMATELY 2 TO 6 INCHES HORIZONTAL, AND APPROXIMATELY 4 TO 12 INCHES VERTICAL

THE TWO (2) TEST BORINGS PERFORMED DURING THIS EXPLORATION WERE DRILLED WITH A TRACK-MOUNTED CME 45 DRILL RIG UTILIZING 3/4-INCH INSIDE DIAMETER HOLLOW-STEM AUGERS. DURING AUGER ADVANCEMENT OF THE TEST BORINGS, SPLIT-SPOON DRIVE SAMPLES WERE GENERALLY TAKEN AT 2½-FOOT INTERVALS TO A DEPTH OF 30 FEET. THE CALIBRATED HAMMER/ROD ENERGY RATIO FOR THE CME 45 TRACK-MOUNTED DRILL RIG WAS 89.2 PERCENT, AND WAS LAST CALIBRATED ON FEBRUARY 1, 2024.

THE SURFACE MATERIALS ENCOUNTERED IN BORINGS B-003 AND B-004 CONSISTED OF APPROXIMATELY 8 INCHES AND 9 INCHES OF ASPHALT, RESPECTIVELY, UNDERLAIN BY 1 INCH AND 3 INCHES OF AGGREGATE BASE MATERIALS, RESPECTIVELY.

BASED ON THE RESULTS OF OUR FIELD AND LABORATORY TESTS, THE SUBSOILS ENCOUNTERED IN THE BORINGS UNDERLYING THE PAVEMENT MATERIALS CAN BE GENERALLY DESCRIBED AS INTERBEDDED LAYERS OF GRANULAR AND COHESIVE SOILS.

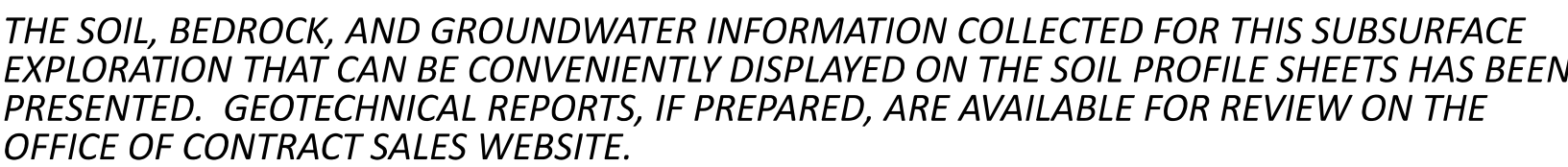
LAYERS OF VERY LOOSE TO MEDIUM DENSE GRANULAR SOILS INTERBEDDED WITH MEDIUM STIFF TO STIFF COHESIVE SOIL WERE ENCOUNTERED UNDERLYING THE PAVEMENT MATERIALS IN BORINGS B-003 AND B-004 TO DEPTHS OF 21 FEET (ELEV. 766±) AND 18½ FEET (ELEV. 768±) RESPECTIVELY. THE GRANULAR SOILS CONSISTED OF COARSE AND FINE SAND (A-3A), NON-PLASTIC SANDY SILT (A-4A), AND FINE SAND (A-3). THE COHESIVE SOILS CONSISTED OF SILT AND CLAY (A-6A), AND SILTY CLAY (A-6B).

UNDERLYING THE INTERBEDDED LOOSE TO MEDIUM DENSE GRANULAR SOILS AND MEDIUM STIFF TO STIFF COHESIVE SOILS, A LAYER OF PREDOMINANTLY DENSE TO VERY DENSE GRANULAR SOILS WAS ENCOUNTERED TO DEPTHS OF 26 FEET (ELEV. 762±) IN BORING B-003 AND APPROXIMATELY 27 FEET (ELEV. 760±) IN BORING B-004. THE GRANULAR SOILS CONSIST OF COARSE AND FINE SAND (A-3A), FINE SAND (A-3), AND NON-PLASTIC SANDY SILT (A-4A).

UNDERLYING THE DENSE TO VERY DENSE GRANULAR SOILS, A LAYER OF PREDOMINANTLY HARD, COHESIVE SOIL WAS ENCOUNTERED IN BORINGS B-003 AND B-004 TO TERMINATION AT A DEPTH OF 30 FEET (ELEV. $758\pm$ TO $757\pm$). THESE COHESIVE SOILS CONSISTED OF SANDY SILT (A-4A), AS WELL AS SILT AND CLAY (A-6A).

DURING OUR SITE RECONNAISSANCE ON JUNE 27, 2024, WATER WAS PRESENT IN THE WATERWAY AT APPROXIMATE ELEV. 778. DURING THIS EXPLORATION, GROUNDWATER WAS INITIALLY ENCOUNTERED DURING DRILLING AND OBSERVED UPON COMPLETION OF DRILLING AT ELEV. 771.1 IN BORING B-003. GROUNDWATER WAS NOT ENCOUNTERED DURING DRILLING IN BORING B-004.

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS (SGE), DATED JULY 2024.




RECON. - BS- 6/27/24

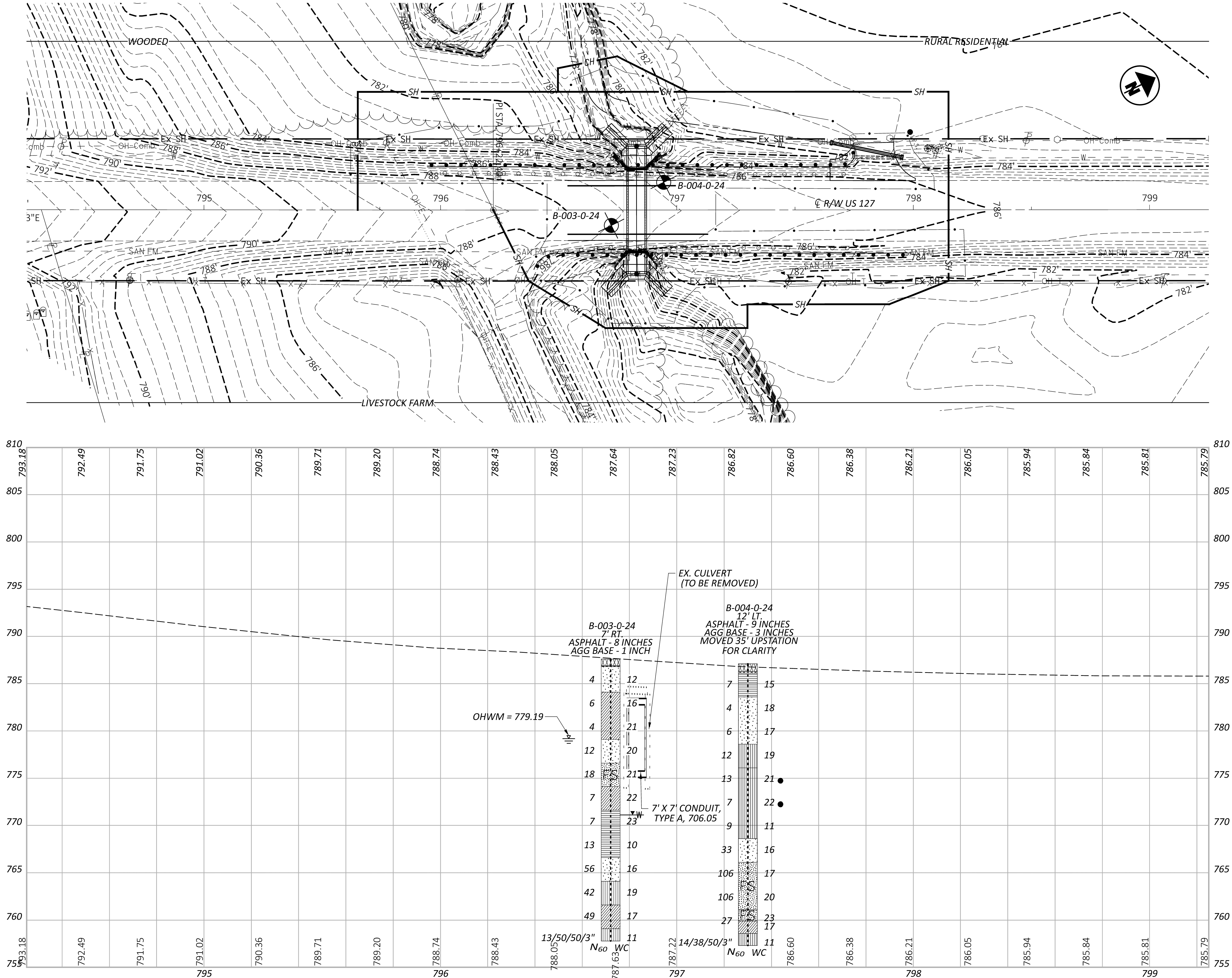
DRILLING - VAUL 7/2/24 TO 7/3/24

DRAWN - TLS - 6/26

REVIEWED - CER - 6/26

GEOTECHNICAL PROFILE - CULVERT

DESIGN AGENCY	
	
DESIGNER	
TLS	
REVIEWER	
CER 06/09/26	
PROJECT ID	
114748	
SUBSET	TOTAL
1	3
SHEET	TOTAL
P.18	20



WIL-127-15.09

MODEL: Sheet PAPER: 34x22 (in.) DATE: 6/11/2026 TIME: 10:42:05 AM PLOTDRV: OHDOT_PDF.plt.ctb PENTBL: OHDOT_Pen.tbl USER: tsomogyi@ctconsultants.com WORKSPACE: OHDOTCEV02 WORKSET: 114748 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\ohdotof-pw.bentley.com\ohdotof-pw-02\Documents\01 Active Projects\Williams\114748\403-Engineering_CTConsultants\Sheets\114748_ID201.dgn

PROJECT: WIL-127-12.43/15.09			DRILLING FIRM / OPERATOR: DLZ / VAUL			DRILL RIG: DLZ CME 45 TRACK			STATION / OFFSET: 796+72, 7' RT.					EXPLORATION ID						
TYPE: CULVERT			SAMPLING FIRM / LOGGER: DLZ / KKC			HAMMER: CME AUTOMATIC			ALIGNMENT: US 127 CL					B-003-0-24						
PID: 114748 SFN: 1806949/1861325			DRILLING METHOD: 3.25" HSA			CALIBRATION DATE: 2/1/24			ELEVATION: 787.6 (NAVD88) EOB: 29.8 ft.					PAGE						
START: 7/2/24 END: 7/2/24			SAMPLING METHOD: SPT			ENERGY RATIO (%): 89.2			LAT / LONG: 41.593851, -84.428539					1 OF 1						
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS	SPT/ROD	REC N ₆₀	SAMPLE ID	HP (tsf)	GRADATION (%)			ATTERBERG			ODOT CLASS (gi)	SO ₄ ppm	HOLE SEALED			
ASPHALT - 8 INCHES			XXX	1	2	4	67	-	-	-	-	-	-	-	-	-				
				2	2	1	-	-	-	-	-	-	-	-	-	-		-		
				3	-	-	-	-	-	-	-	-	-	-	-	-		-		
				4	1	2	6	56	3.50	-	-	-	-	-	-	-		-		
				5	2	-	-	-	-	-	-	-	-	-	-	-		-		
AGGREGATE BASE - 1 INCH				6	1	4	72	1.75	1	3	39	38	19	27	16	11	21	A-6a (5)	-	
				7	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
				8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				9	1	3	12	67	SS-4	-	-	-	-	-	-	-	-	20	A-3a (V)	-
				10	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEDIUM DENSE, GRAY, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, MOIST				11	3	7	18	61	SS-5	-	-	-	-	-	-	-	21	A-3 (V)	-	
				12	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				14	2	2	7	72	SS-6	1.25	-	-	-	-	-	-	-	22	A-6a (V)	-
				15	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEDIUM DENSE, GRAY, FINE SAND, TRACE SILT, TRACE CLAY, MOIST				16	1	2	7	89	SS-7	1.75	1	4	26	68	37	20	17	23	A-6b (11)	-
				17	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				19	2	3	13	100	SS-8	3.75	-	-	-	-	-	-	-	10	A-6b (V)	-
				20	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEDIUM STIFF TO STIFF, GRAY, SILTY CLAY, TRACE SAND, TRACE GRAVEL, MOIST Qu = 22.7 PSI = 3,270 PSF				21	5	56	78	SS-9	-	-	-	-	-	-	-	-	16	A-3a (V)	-	
				22	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				24	11	13	42	78	SS-10	-	7	4	35	44	10	NP	NP	19	A-4a (4)	-
				25	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STIFF TO VERY STIFF, GRAY, SILTY CLAY, SOME SAND, TRACE GRAVEL, MOIST				26	9	13	49	89	SS-11	-	-	-	-	-	-	-	17	A-6a (V)	-	
				27	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				29	13	-	100	SS-12	-	-	-	-	-	-	-	-	-	11	A-4a (V)	-
				30	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERY DENSE, GRAY, COARSE AND FINE SAND, SOME CLAY, SOME GRAVEL, TRACE SILT, MOIST				31	771.1	-	-	-	-	-	-	-	-	-	-	-	-	-		
				32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DENSE, GRAY, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, MOIST				36	769.1	-	-	-	-	-	-	-	-	-	-	-	-			
				37	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				38	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				39	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				40	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARD, GRAY, SILT AND CLAY, TRACE SAND, MOIST				41	766.6	-	-	-	-	-	-	-	-	-	-	-	-			
				42	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				43	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				44	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				45	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARD, GRAY, SANDY SILT, LITTLE CLAY, TRACE CLAY, MOIST				46	764.1	-	-	-	-	-	-	-	-	-	-	-	-			
				47	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				48	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				49	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				50	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARD, GRAY, SANDY SILT, LITTLE CLAY, TRACE CLAY, MOIST				51	761.6	-	-	-	-	-	-	-	-	-	-	-	-			
				52	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				53	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				54	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				55	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARD, GRAY, SANDY SILT, LITTLE CLAY, TRACE CLAY, MOIST				56	759.1	-	-	-	-	-	-	-	-	-	-	-	-			
				57	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				60	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARD, GRAY, SANDY SILT, LITTLE CLAY, TRACE CLAY, MOIST				61	757.8	-	-	-	-	-	-	-	-	-	-	-	-			
				62	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				63	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				64	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				65	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT.GDT - 3/24/25 08:20 - X:\PROJECTS\241804.GPJ

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.25 BAG ASPHALT PATCH; PUMPED 8 CF BENTONITE GROUT

PROJECT: WIL-127-12.43/15.09			DRILLING FIRM / OPERATOR: DLZ / VAUL			DRILL RIG: DLZ CME 45 TRACK			STATION / OFFSET: 796+95, 12' LT.						EXPLORATION ID						
TYPE: CULVERT			SAMPLING FIRM / LOGGER: DLZ / KKC			HAMMER: CME AUTOMATIC			ALIGNMENT: US 127 CL						B-004-0-24						
PID: 114748 SFN: 1806949/1861325			DRILLING METHOD: 3.25" HSA			CALIBRATION DATE: 2/1/24			ELEVATION: 787.1 (NAVD88) EOB: 29.8 ft.						PAGE						
START: 7/2/24 END: 7/2/24			SAMPLING METHOD: SPT			ENERGY RATIO (%): 89.2			LAT / LONG: 41.593927, -84.428562						1 OF 1						
MATERIAL DESCRIPTION AND NOTES			ELEV.		DEPTHS		SPT/ RQD		REC SAMPLE		GRADATION (%)		ATTERBERG		HOLE SEALED						
			787.1						N ₆₀		HP (tsf)		GR CS FS SI CL		WC PI		SO ₄ ppm				
ASPHALT - 9 INCHES	X		1	2	3	7	61	SS-1	3.50	-	-	-	-	-	-	15	A-6b (V)	-			
			2	3	4	67	SS-2	-	-	-	-	-	-	-	18	A-3a (V)	-				
			3	4	5																
			4	5	6																
			5	6	7																
			6	7	8																
			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
AGGREGATE BASE - 3 INCHES			1	2	3	12	72	SS-4	-	3	2	49	41	5	NP	NP	19	A-4a (2)	-		
			2	3	4																
			3	4	5																
			4	5	6																
			5	6	7																
			6	7	8																
			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
MEDIUM DENSE, BROWN, SANDY SILT, TRACE CLAY, TRACE GRAVEL, MOIST			1	2	3	13	72	SS-5	1.00	0	2	6	41	51	23	20	3	21	A-4a (8)	-	
			2	3	4																
			3	4	5																
			4	5	6																
			5	6	7																
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			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
MEDIUM STIFF TO STIFF, GRAY, SANDY SILT, "AND"CLAY, WET			1	2	3	7	83	SS-6	1.75	-	-	-	-	-	-	-	22	A-4a (V)	-		
			2	3	4																
			3	4	5																
			4	5	6																
			5	6	7																
			6	7	8																
			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
@13.5' LITTLE CLAY, Qu =12.6 PSI =1815 PSF			1	2	3	9	83	SS-7	2.00	12	9	27	40	12	19	14	5	11	A-4a (3)	-	
			2	3	4																
			3	4	5																
			4	5	6																
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			6	7	8																
			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
@16': LITTLE GRAVEL, DAMP			1	2	3	33	94	SS-8	-	-	-	-	-	-	-	-	16	A-3a (V)	-		
			2	3	4																
			3	4	5																
			4	5	6																
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			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
DENSE GRAY, COARSE AND FINE SAND, LITTLE CLAY, LITTLE SILT, MOIST			1	2	3	106	89	SS-9	-	-	-	-	-	-	-	-	17	A-3 (V)	-		
			2	3	4																
			3	4	5																
			4	5	6																
			5	6	7																
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			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
VERY DENSE, GRAY, FINE SAND, TRACE SILT, TRACE CLAY, MOIST			1	2	3	106	83	SS-10	-	-	-	-	-	-	-	-	20	A-3 (V)	-		
			2	3	4																
			3	4	5																
			4	5	6																
			5	6	7																
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			7	8	9																
			8	9	10																
			9	10	11																
			10	11	12																
MEDIUM DENSE, GRAY, FINE SAND, TRACE SILT, TRACE CLAY, MOIST			1	2	3	27	61	SS-11A	-	-	-	-	-	-	-	-	23	A-3 (V)	-		
			2	3	4																
			3	4	5																
			4	5	6																
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			9	10	11																
			10	11	12																
VERY STIFF TO HARD, GRAY, SILT AND CLAY, TRACE SAND, MOIST			1	2	3	87	SS-12	4.50	-	-	-	-	-	-	-	11	A-4a (V)	-			
			2	3	4																
			3	4	5																
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			9	10	11																
			10	11	12																
HARD, GRAY, SANDY SILT, LITTLE CLAY, MOIST			1	2	3	87	SS-12	4.50	-	-	-	-	-	-	-	11	A-4a (V)	-			
			2	3	4																
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			9	10	11																
			10	11	12																

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT.GDT - 3/24/25 08:20 - X:\PROJECTS\241804.GPJ

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.25 BAG ASPHALT PATCH; PUMPED 8 CF BENTONITE GROUT

DESIGN AGENCY

DESIGNER

TLS

REVIEWER

CER 06/09/26

PROJECT ID

114748

SUBSET

3

TOTAL

3

SHEET

P.20

TOTAL

20

GEOTECHNICAL PROFILE - CULVERT
BORING LOGS B-003-0-24 & B-004-0-24