

PROJECT: HAM-75-1.05	DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH	DRILL RIG: CME 55T	STATION / OFFSET: 53+94, 163' RT.	EXPLORATION ID
TYPE: RETAINING WALL	SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH	HAMMER: CME AUTOMATIC	ALIGNMENT: IR-75	B-004-0-21
PID: 113361 SFN:	DRILLING METHOD: 3.25" HSA	CALIBRATION DATE: 12/5/19	ELEVATION: 510.1 (MSL) EOB: 46.5 ft.	PAGE
START: 11/30/21 END: 11/30/21	SAMPLING METHOD: SPT	ENERGY RATIO (%): 68.4	LAT / LONG: 39.105003, -84.528156	1 OF 1

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI			
6.0" TOPSOIL (DRILLERS DESCRIPTION)	510.1																	
MEDIUM DENSE, BROWN, GRAVEL WITH SAND AND SILT, LITTLE CLAY, CONTAINS ROOTS, DAMP (FILL)	509.6	1																
		2																
		3	4	7	18	56	SS-1	-	-	-	-	-	-	-	-	12	A-2-4 (V)	
		4		9														
	505.6	5	4															
VERY STIFF TO HARD, BROWN AND GRAY, SILT, SOME SAND, LITTLE CLAY, TRACE GRAVEL, CONTAINS TRACE BRICK, ROOTS, AND BLACK COAL FRAGMENTS, DAMP TO MOIST (FILL)		6		6	16	61	SS-2	4.25	3	8	21	51	17	27	18	9	A-4b (7)	
		7																
		8	5	7	18	89	SS-3	4.50	-	-	-	-	-	-	-	16	A-4b (V)	
		9		9														
		10																
		11	6	6	16	100	SS-4	3.50	-	-	-	-	-	-	-	17	A-4b (V)	
		12		8														
		13	4	4	11	100	SS-5	2.75	-	-	-	-	-	-	-	21	A-4b (V)	
	496.2	14		6														
LOOSE, BROWN, COARSE AND FINE SAND, LITTLE CLAY, LITTLE SILT, TRACE GRAVEL, WET		15																
	493.7	16	2	3	9	100	SS-6	-	6	36	27	15	16	NP	NP	NP	A-3a (0)	
		17		5														
VERY STIFF, BROWN WITH TRACE GRAY MOTTLES, CLAY, SOME SILT, SOME SAND, TRACE GRAVEL, MOIST	492.1	18	3	4	8	100	SS-7A	2.25	9	13	14	27	37	41	20	21	A-7-6 (10)	
LOOSE, BROWN WITH TRACE GRAY MOTTLES, SILT, LITTLE CLAY, TRACE SAND, TRACE GRAVEL, WET		19		3			SS-7B	-	-	-	-	-	-	-	-	-	A-4b (V)	
		20																
		21	3	3	7	100	SS-8	-	0	1	2	82	15	NP	NP	NP	A-4b (8)	
		22		3														
	486.4	23	3	2	6	100	SS-9A	-	-	-	-	-	-	-	-	-	A-4b (V)	
SOFT TO MEDIUM STIFF, BROWN, CLAY, SOME SILT, TRACE SAND, TRACE GRAVEL, MOIST	485.6	24		3			SS-9B	0.50	-	-	-	-	-	-	-	-	A-7-6 (V)	
MEDIUM STIFF TO VERY STIFF, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, WET TO MOIST		25	2	3	7	100	SS-10	0.75	-	-	-	-	-	-	-	-	A-6a (V)	
		26		3														
		27																
		28	3	3	7	100	SS-11	2.25	1	15	17	47	20	30	18	12	A-6a (7)	
	480.6	29		3														
LOOSE TO MEDIUM DENSE, BROWN AND GRAY, SILT, TRACE TO LITTLE CLAY, TRACE SAND, TRACE GRAVEL, WET		30	3	4	9	100	SS-12	-	-	-	-	-	-	-	-	-	A-4b (V)	
		31		4														
		32																
		33																
		34																
		35	3	4	10	100	SS-13	-	0	1	4	79	16	NP	NP	NP	A-4b (8)	
		36		5														
		37																
		38																
		39																
		40	5	7	18	100	SS-14	-	-	-	-	-	-	-	-	-	A-4b (V)	
		41		9														
		42																
		43																
		44																
		45	6	8	18	100	SS-15	-	0	0	10	85	5	NP	NP	NP	A-4b (8)	
	463.6	46		8														

NOTES: GROUNWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

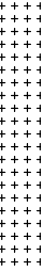
ABANDONMENT METHODS, MATERIALS, QUANTITIES: SHOVELED SOIL CUTTINGS

PROJECT: <u>HAM-75-1.05</u>		DRILLING FIRM / OPERATOR: <u>NEAS / ASHBAUGH</u>		DRILL RIG: <u>CME 55T</u>		STATION / OFFSET: <u>106+63, 76' RT.</u>		EXPLORATION ID														
TYPE: <u>BRIDGE</u>		SAMPLING FIRM / LOGGER: <u>NEAS / ASHBAUGH</u>		HAMMER: <u>CME AUTOMATIC</u>		ALIGNMENT: <u>LINN ST</u>		B-005-0-21														
PID: <u>113361</u> SFN: <u></u>		DRILLING METHOD: <u>3.25" HSA</u>		CALIBRATION DATE: <u>12/5/19</u>		ELEVATION: <u>505.3 (MSL)</u> EOB: <u>101.5 ft.</u>		PAGE														
START: <u>1/5/22</u> END: <u>1/5/22</u>		SAMPLING METHOD: <u>SPT</u>		ENERGY RATIO (%): <u>68.4</u>		LAT / LONG: <u>39.104303, -84.528659</u>		1 OF 2														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG					ODOT CLASS (GI)	HOLE SEALED
7.0" CONCRETE AND 10.0" BASE (DRILLERS DESCRIPTION)			505.3								GR	CS	FS	SI	CL	LL	PL	PI	WC			
LOOSE, BROWN, COARSE AND FINE SAND LITTLE GRAVEL, TRACE SILT, TRACE CLAY, DAMP			503.9	1																		
				2																		
STIFF TO VERY STIFF, BROWN, SILTY CLAY, TRACE SAND, TRACE GRAVEL, MOIST			501.8	3		3	8	72	SS-1A	-	-	-	-	-	-	-	-	-	13	A-3a (V)		
				4		4			SS-1B	1.25	-	-	-	-	-	-	-	-	-	28	A-6b (V)	
			499.3	5		3			SS-2A	2.00	0	3	7	50	40	35	19	16	24	A-6b (10)		
				6		3	7	100	SS-2B	-	-	-	-	-	-	-	-	-	-	12	A-3a (V)	
LOOSE TO MEDIUM DENSE, BROWN, COARSE AND FINE SAND, TRACE TO LITTLE SILT, TRACE CLAY, TRACE GRAVEL, DAMP				7																		
				8		3	8	100	SS-3	-	0	7	70	17	6	NP	NP	NP	9	A-3a (0)		
			490.8	9																		
				10		3																
DENSE, BROWN, STONE FRAGMENTS WITH SAND TRACE SILT, TRACE CLAY, DAMP			488.3	11		4	11	67	SS-4	-	-	-	-	-	-	-	-	-	6	A-3a (V)		
				12																		
VERY STIFF, BROWN, SILT, SOME CLAY, TRACE SAND, TRACE GRAVEL, MOIST			485.8	13		5	18	83	SS-5	-	-	-	-	-	-	-	-	-	10	A-3a (V)		
				14																		
MEDIUM DENSE, BROWN, SILT, LITTLE SAND, TRACE CLAY, TRACE GRAVEL, CONTAINS INTERBEDDED SAND SEAMS, MOIST			477.0	15		8																
				16		13	31	50	SS-6	-	-	-	-	-	-	-	-	-	-	5	A-1-b (V)	
			467.0	17																		
				18		7	22	67	SS-7	2.25	0	0	1	69	30	28	18	10	23	A-4b (8)		
MEDIUM DENSE, BROWN, SANDY SILT, TRACE CLAY, TRACE GRAVEL, (INTERBEDDED A-3A AND A-4B), DAMP			465.3	19																		
				20		8	23	89	SS-8	-	0	0	11	84	5	NP	NP	NP	17	A-4b (8)		
				21		9																
				22																		
				23		8	22	83	SS-9	-	-	-	-	-	-	-	-	-	15	A-4b (V)		
				24		8																
				25		8	23	100	SS-10	-	-	-	-	-	-	-	-	-	10	A-4b (V)		
				26		9																
				27																		
				28																		
				29																		
				30		8	27	72	SS-11	-	0	4	46	45	5	NP	NP	NP	12	A-4a (3)		
				31		10																
				32																		
				33																		
				34																		
				35		9																
				36		10	29	78	SS-12	-	-	-	-	-	-	-	-	-	8	A-4a (V)		
				37																		
				38																		
				39																		
				40		7	23	89	SS-13	-	-	-	-	-	-	-	-	-	23	A-3a (V)		
				41		9																
				42																		
				43																		
				44																		
				45		8	27	78	SS-14	-	1	7	57	31	4	NP	NP	NP	24	A-3a (0)		
				46		11																
				47																		
				48																		
				49																		
				50																		
				51		9	29	100	SS-15	-	-	-	-	-	-	-	-	-	24	A-3a (V)		
				52		12																
				53																		
				54																		
MEDIUM DENSE TO DENSE, BROWNISH GRAY, COARSE AND FINE SAND SOME SILT, TRACE CLAY, TRACE GRAVEL, CONTAINS INTERBEDDED SILT SEAMS, WET			452.0	55		8	29	100	SS-16	-	-	-	-	-	-	-	-	-	25	A-3a (V)		
				56		12																
				57																		
				58																		
				59																		

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 106+63, 76' RT.		START: 1/5/22		END: 1/5/22		PG 2 OF 2		B-005-0-21										
MATERIAL DESCRIPTION AND NOTES			ELEV. 445.3	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED
MEDIUM DENSE TO DENSE, BROWNISH GRAY, COARSE AND FINE SANDSOME SILT, TRACE CLAY, TRACE GRAVEL, CONTAINS INTERBEDDED SILT SEAMS, WET (continued)			442.0	61	8 11 16	31	100	SS-17	-	-	-	-	-	-	-	-	-	21	A-3a (V)		
				62																	
				63																	
MEDIUM DENSE, GRAY, SILT, LITTLE SAND, TRACE CLAY, TRACE GRAVEL, WET			437.0	64																	
				65	7 10 12	25	100	SS-18	-	0	0	17	75	8	NP	NP	NP	25	A-4b (8)		
				66																	
MEDIUM DENSE TO DENSE, GRAYISH BROWN BECOMING BROWNISH GRAY, COARSE AND FINE SAND, TRACE SILT, TRACE CLAY, TRACE GRAVEL, WET			403.8	67																	
				68																	
				69																	
				70	6 7 6	15	100	SS-19	-	-	-	-	-	-	-	-	-	19	A-3a (V)		
				71																	
				72																	
				73																	
				74																	
				75	6 8 10	21	100	SS-20	-	-	-	-	-	-	-	-	-	22	A-3a (V)		
				76																	
				77																	
				78																	
				79																	
				80	7 9 13	25	100	SS-21	-	-	-	-	-	-	-	-	-	19	A-3a (V)		
				81																	
				82																	
				83																	
				84																	
				85	8 10 12	25	100	SS-22	-	0	25	62	10	3	NP	NP	NP	18	A-3a (0)		
				86																	
				87																	
88																					
89																					
90	9 12 13	29	100	SS-23	-	-	-	-	-	-	-	-	-	18	A-3a (V)						
91																					
92																					
93																					
94																					
95	10 13 14	31	100	SS-24	-	-	-	-	-	-	-	-	-	16	A-3a (V)						
96																					
97																					
98																					
99																					
100	10 13 16	33	100	SS-25	-	-	-	-	-	-	-	-	-	16	A-3a (V)						
101																					

NOTES: GROUNDWATER ENCOUNTERED AT 40.0' DURING DRILLING. HOLE DID NOT CAVE. BORING OFFSET 14.0' WEST DUE TO TRAFFIC AND OVERHEAD OBSTRUCTION.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 80 GAL. BENTONITE GROUT; POURED 2 BAGS HOLE PLUG; SHOVELED SOIL CUTTINGS

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				
7.0" CONCRETE AND 11.0" BASE (DRILLERS DESCRIPTION)		503.9																				
VERY STIFF TO HARD, BROWN, SILTY CLAY , SOME SAND, TRACE GRAVEL, DAMP TO MOIST		502.4	1																			
			2	6	5	10	56	SS-1	4.50	-	-	-	-	-	-	-	-	16	A-6b (V)			
			3	6	6	15	61	SS-2	3.25	0	1	32	39	28	32	16	16	18	A-6b (9)			
VERY STIFF, BROWN, SILT AND CLAY , LITTLE SAND, TRACE GRAVEL, MOIST		499.4	4	6	7																	
			5	6	5	13	56	SS-3	3.50	0	0	13	63	24	30	18	12	22	A-6a (9)			
LOOSE, BROWN, COARSE AND FINE SAND , TRACE SILT, TRACE CLAY, TRACE GRAVEL, DAMP		497.9	6	6	6																	
			7	6	4	9	44	SS-4	-	-	-	-	-	-	-	-	-	13	A-3a (V)			
			8	5	4	8	67	SS-5	-	-	-	-	-	-	-	-	-	12	A-3a (V)			
			9																			
LOOSE, BROWN, COARSE AND FINE SAND , SOME SILT, LITTLE CLAY, TRACE GRAVEL, MOIST		494.4	10	4	4																	
		491.9	11		5	10	61	SS-6	-	-	-	-	-	-	-	-	-	18	A-3a (V)			
MEDIUM STIFF TO STIFF, BROWN, SILT , LITTLE CLAY, TRACE SAND, TRACE GRAVEL, MOIST TO WET			12																			
			13	4	5	11	83	SS-7	-	-	-	-	-	-	-	-	-	22	A-4b (V)			
			14		5																	
			15	4																		
			16	4	5	10	100	SS-8	-	0	1	5	76	18	28	21	7	26	A-4b (8)			
			17																			
			18	3	4	8	78	SS-9	-	-	-	-	-	-	-	-	-	-	23	A-4b (V)		
LOOSE TO MEDIUM DENSE, BROWN, SILT , SOME SAND, TRACE CLAY, TRACE GRAVEL, INTERBEDDED SILT AND FINE SAND, MOIST TO WET		484.4	19		3																	
			20	4	4	8	67	SS-10	-	-	-	-	-	-	-	-	-	14	A-4b (V)			
			21		3																	
			22																			
			23	3	3	8	89	SS-11	-	0	0	22	71	7	NP	NP	NP	22	A-4b (8)			
			24		4																	
			25	4	6	15	72	SS-12	-	-	-	-	-	-	-	-	-	-	22	A-4b (V)		
	477.4	26		7																		

NOTES: GROUNDWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

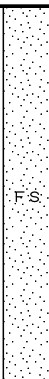
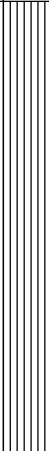
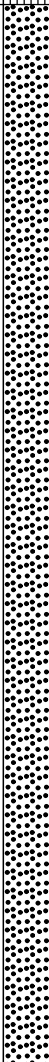
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; SHOVELED SOIL CUTTINGS

[illegible]

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 105+13, 32' RT.		START: 12/6/21	END: 12/8/21	PG 2 OF 2		B-007-0-21											
MATERIAL DESCRIPTION AND NOTES			ELEV. 461.4	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED
MEDIUM DENSE TO DENSE, BROWN, SANDY SILT, TRACE CLAY, TRACE GRAVEL, (INTERBEDDED SAND AND SILT), DAMP (continued)				458.1	61	8 14 15	33	100	SS-20	-	-	-	-	-	-	-	-	20	A-4a (V)	
					62															
					63															
MEDIUM DENSE, BROWN, COARSE AND FINE SAND TRACE SILT, TRACE GRAVEL, TRACE CLAY, DAMP				453.1	64															
65	10 12 14	30			100	SS-21	-	-	-	-	-	-	-	-	10	A-3a (V)				
66																				
DENSE, BROWN, GRAVEL WITH SAND TRACE SILT, TRACE CLAY, MOIST				448.1	67															
68																				
69																				
MEDIUM DENSE, BROWN, COARSE AND FINE SAND TRACE SILT, TRACE GRAVEL, TRACE CLAY, MOIST				443.1	70	10 12 15	31	100	SS-22	-	-	-	-	-	-	-	-	11	A-1-b (V)	
					71															
					72															
MEDIUM DENSE, BROWN, GRAVEL WITH SAND TRACE SILT, TRACE CLAY, MOIST				438.1	73															
					74															
					75	11 11 13	27	100	SS-23	-	-	-	-	-	-	-	-	13	A-3a (V)	
MEDIUM DENSE, BROWN, COARSE AND FINE SAND TRACE SILT, TRACE GRAVEL, TRACE CLAY, MOIST				438.1	76															
					77															
					78															
MEDIUM DENSE TO DENSE, GRAYISH BROWN, COARSE AND FINE SAND LITTLE SILT, TRACE CLAY, TRACE GRAVEL, WET				438.1	79															
					80	12 10 10	23	100	SS-24	-	-	-	-	-	-	-	-	15	A-1-b (V)	
					81															
				438.1	82															
					83															
					84															
				438.1	85	12 11 12	26	100	SS-25	-	1	14	71	12	2	NP	NP	NP	20	A-3a (0)
					86															
					87															
				438.1	88															
					89															
					90															
				438.1	91	13 13 14	31	78	SS-26	-	-	-	-	-	-	-	-	18	A-3a (V)	
					92															
					93															
				438.1	94															
					95															
					96	13 14 15	33	94	SS-27	-	-	-	-	-	-	-	-	24	A-3a (V)	
				438.1	97															
					98															
					99															
				438.1	100	14 14 16	34	83	SS-28	-	-	-	-	-	-	-	-	24	A-3a (V)	
					101															
					102															
				438.1	103															
					104															
					105															
				438.1	106	15 14 16	34	100	SS-29	-	-	-	-	-	-	-	-	19	A-3a (V)	
					107															
					108															
				438.1	109															
					110															
					111	15 15 17	36	89	SS-30	-	-	-	-	-	-	-	-	20	A-3a (V)	
				438.1	112															
					113															
					114															
				438.1	115	16 17 17	39	83	SS-31	-	-	-	-	-	-	-	-	19	A-3a (V)	
					116															
					116															
			404.9	EOB																
NOTES: GROUNDWATER ENCOUNTERED AT 52.5' DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.																				
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 200 GAL. BENTONITE GROUT																				

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT.GDT - 4/10/25 12:08 - X:\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\1ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH		DRILL RIG: CME 75T		STATION / OFFSET: 107+87, 47' RT.		EXPLORATION ID															
TYPE: BRIDGE		SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH		HAMMER: CME AUTOMATIC		ALIGNMENT: LINN ST		B-008-0-21															
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 5/1/19		ELEVATION: 503.0 (MSL) EOB: 101.5 ft.		PAGE															
START: 1/27/22 END: 1/28/22		SAMPLING METHOD: SPT		ENERGY RATIO (%): 89		LAT / LONG: 39.104649, -84.528586		1 OF 2															
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				WC	ODOT CLASS (GI)	HOLE SEALED	
5.0" ASPHALT AND 9.5" CONCRETE AND 7.0" BASE (DRILLER DESCRIPTION)			503.0								GR	CS	FS	SI	CL	LL	PL	PI					
VERY STIFF, BROWN, SILT, "AND" CLAY, TRACE SAND, TRACE GRAVEL, MOIST			501.2	1																			
			498.7	2		3	5	16	67	SS-1	2.50	3	2	2	53	40	29	19	10	21	A-4b (8)		
				3		3	5	19	56	SS-2A	2.25	-	-	-	-	-	-	-	-	25	A-4b (V)		
MEDIUM DENSE, BROWN, COARSE AND FINE SAND TRACE SILT, TRACE CLAY, TRACE GRAVEL, DAMP			494.5	4		3	5	18	61	SS-2B	-	-	-	-	-	-	-	-	6	A-3a (V)			
				5		3	5	7	SS-3	-	-	-	-	-	-	-	-	5	A-3a (V)				
				6																			
STIFF, BROWN, SILT AND CLAY, LITTLE SAND, TRACE GRAVEL, MOIST			493.5	8		5	6	16	78	SS-4A	-	-	-	-	-	-	-	-	5	A-3a (V)			
			492.7	9					SS-4B	1.75	-	-	-	-	-	-	-	-	-	23	A-6a (V)		
MEDIUM DENSE, BROWN, SILT, LITTLE CLAY, TRACE SAND, TRACE GRAVEL, MOIST			487.0	10		5	6	22	89	SS-5A	-	-	-	-	-	-	-	-	23	A-4b (V)			
				11					SS-5B	-	-	-	-	-	-	-	-	6	A-3a (V)				
				12																			
MEDIUM DENSE, BROWN, COARSE AND FINE SAND TRACE TO LITTLE SILT, TRACE CLAY, TRACE GRAVEL, DAMP			486.0	13		5	5	18	89	SS-6	-	0	6	81	11	2	NP	NP	NP	5	A-3a (0)		
				14																			
				15		4	5	16	83	SS-7A	-	-	-	-	-	-	-	-	7	A-3a (V)			
VERY STIFF, BROWN, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, MOIST			474.7	16						SS-7B	2.75	-	-	-	-	-	-	-	22	A-4a (V)			
				17																			
				18		5	6	21	94	SS-8	2.50	0	0	1	76	23	28	22	6	27	A-4b (8)		
VERY STIFF, BROWN, SILT, SOME CLAY, TRACE TO LITTLE SAND, TRACE GRAVEL, WET TO MOIST			474.7	19																			
				20		8	7	22	100	SS-9	2.50	-	-	-	-	-	-	-	20	A-4b (V)			
				21																			
			474.7	22																			
				23		8	9	30	89	SS-10	2.75	-	-	-	-	-	-	-	25	A-4b (V)			
				24																			
			474.7	25		8	11	34	100	SS-11	2.75	3	5	7	61	24	26	18	8	18	A-4b (8)		
				26																			
				27																			
			474.7	28																			
				29																			
				30		8	10	31	100	SS-12	-	-	-	-	-	-	-	-	23	A-4b (V)			
			474.7	31																			
				32																			
				33																			
			474.7	34																			
				35		8	7	18	100	SS-13	-	-	-	-	-	-	-	-	26	A-4b (V)			
				36																			
			474.7	37																			
				38																			
				39																			
			474.7	40		5	4	13	100	SS-14	-	-	-	-	-	-	-	-	28	A-4b (V)			
				41																			
				42																			
			474.7	43																			
				44																			
				45		5	5	13	89	SS-15	-	0	0	6	81	13	NP	NP	NP	27	A-4b (8)		
			474.7	46																			
				47																			
				48																			
			474.7	49																			
				50		4	4	13	100	SS-16	-	-	-	-	-	-	-	-	23	A-4b (V)			
				51																			
			474.7	52																			
				53																			
				54																			
@55.0'; BECOMES GRAY			474.7	55		6	9	28	94	SS-17	-	0	0	11	82	7	NP	NP	NP	29	A-4b (8)		
				56																			
				57																			
DENSE, GRAY, FINE SAND, TRACE SILT, TRACE COARSE SAND, TRACE CLAY, TRACE GRAVEL, WET			444.7	58																			
				59																			

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 107+87, 47' RT.			START: 1/27/22	END: 1/28/22	PG 2 OF 2		B-008-0-21											
MATERIAL DESCRIPTION AND NOTES		ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED	
		443.0								GR	CS	FS	SI	CL	LL	PL	PI				
DENSE, GRAY, FINE SAND , TRACE SILT, TRACE COARSE SAND, TRACE CLAY, TRACE GRAVEL, WET (continued)			443.0	61	11 10 11	31	100	SS-18	-	0	1	92	6	1	NP	NP	NP	24	A-3 (0)		
				62																	
				63																	
				64																	
				65	10 12 10	33	100	SS-19	-	-	-	-	-	-	-	-	28	A-3 (V)			
				66																	
				67																	
				68																	
				69																	
				70	10 10 12	33	100	SS-20	-	-	-	-	-	-	-	-	-	23	A-4a (V)		
DENSE, GRAY, SANDY SILT , TRACE CLAY, TRACE GRAVEL, MOIST TO WET			434.7	71																	
				72																	
				73																	
				74																	
				75	11 11 12	34	89	SS-21	-	0	0	63	34	3	NP	NP	NP	27		A-4a (0)	
				76																	
				77																	
				78																	
				79																	
				80	12 12 15	40	100	SS-22	-	-	-	-	-	-	-	-	-	23		A-3a (V)	
DENSE, GRAY, COARSE AND FINE SAND TRACE SILT, TRACE GRAVEL, TRACE CLAY, WET TO MOIST			424.7	81																	
				82																	
				83																	
				84																	
				85	12 14 16	45	100	SS-23	-	-	-	-	-	-	-	-	-	19		A-3a (V)	
				86																	
				87																	
				88																	
				89																	
				90	13 12 16	42	100	SS-24	-	-	-	-	-	-	-	-	-	16		A-3a (V)	
				91																	
				92																	
				93																	
				94																	
				95	12 12 15	40	100	SS-25	-	-	-	-	-	-	-	-	-	15		A-3a (V)	
				96																	
				97																	
				98																	
				99																	
				100	12 13 16	43	100	SS-26	-	-	-	-	-	-	-	-	-	14		A-3a (V)	
				101																	
		401.5	EOB																		

NOTES: GROUNWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; PUMPED 80 GAL. BENTONITE GROUT; POURED 2 BAGS HOLE PLUG; SHOVELED SOIL CUTTINGS

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT GDT - 4/10/25 12:08 - X:\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\1ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH		DRILL RIG: CME 55T		STATION / OFFSET: 108+77, 77' RT.		EXPLORATION ID														
TYPE: BRIDGE		SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH		HAMMER: CME AUTOMATIC		ALIGNMENT: LINN ST		B-009-0-21														
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/5/19		ELEVATION: 502.0 (MSL) EOB: 101.5 ft.		PAGE														
START: 1/4/22 END: 1/4/22		SAMPLING METHOD: SPT		ENERGY RATIO (%): 68.4		LAT / LONG: 39.104844, -84.528367		1 OF 2														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED	
			502.0								GR	CS	FS	SI	CL	LL	PL	PI	WC			
6.0" TOPSOIL (DRILLERS DESCRIPTION)			501.5																			
VERY STIFF, BROWN AND DARK BROWN, SILTY CLAY, SOME SAND, TRACE GRAVEL, CONTAINS ROOTS AND TRACE BRICK FRAGMENTS, MOIST (FILL)				1																		
				2	4	10	67	SS-1	4.00	-	-	-	-	-	-	-	-	-	22	A-6b (V)		
				3	4	5																
				4	6	15	61	SS-2	3.00	4	7	25	32	32	36	17	19	18	A-6b (9)			
				5	4	7																
			495.9																			
LOOSE, BROWN, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, TRACE GRAVEL, WET				6	4																	
				7	3	8	50	SS-4	-	-	-	-	-	-	-	-	-	14	A-3a (V)			
				8	3	7	67	SS-5	-	2	17	58	14	9	NP	NP	NP	14	A-3a (0)			
				9	3	3																
				10	3																	
			490.0																			
VERY STIFF, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, MOIST				11	4	8	72	SS-6	-	-	-	-	-	-	-	-	-	14	A-3a (V)			
				12																		
				13	4	9	78	SS-7	3.50	2	15	14	37	32	34	19	15	22	A-6a (9)			
				14	3	5																
				15	3																	
			485.0																			
LOOSE, BROWN, SILT, LITTLE CLAY, TRACE SAND, TRACE GRAVEL, WET				16	4	9	83	SS-8	3.25	-	-	-	-	-	-	-	-	24	A-6a (V)			
				17																		
				18	2	8	83	SS-9	-	1	1	5	78	15	NP	NP	NP	24	A-4b (8)			
				19	3	4																
				20	3																	
			480.0																			
LOOSE TO MEDIUM DENSE, BROWN, SILT, LITTLE SAND, LITTLE CLAY, TRACE GRAVEL, CONTAINS INTERBEDDED SAND SEAMS, WET				21	3	8	72	SS-10	-	-	-	-	-	-	-	-	-	21	A-4b (V)			
				22																		
				23	3	8	83	SS-11	-	0	1	15	73	11	NP	NP	NP	22	A-4b (8)			
				24	4	3																
				25	4																	
			472.0																			
MEDIUM DENSE, BROWN BECOMING GRAY, SILT, LITTLE CLAY, TRACE SAND, TRACE GRAVEL, WET				26	4	11	72	SS-12	-	-	-	-	-	-	-	-	-	19	A-4b (V)			
				27	4	6																
				28																		
				29																		
				30	5	15	100	SS-13	-	0	0	2	84	14	NP	NP	NP	29	A-4b (8)			
			463.7																			
MEDIUM DENSE, GRAY, SILT, LITTLE SAND, TRACE CLAY, TRACE GRAVEL, WET				31	6	7																
				32																		
				33																		
				34																		
				35	5	16	100	SS-14	-	-	-	-	-	-	-	-	-	25	A-4b (V)			
			462.0																			
MEDIUM DENSE, GRAY, SILT, LITTLE SAND, TRACE CLAY, TRACE GRAVEL, WET				36	7	7																
				37																		
				38																		
				39																		
				40	6	18	100	SS-15	-	0	0	15	80	5	NP	NP	NP	24	A-4b (8)			
			453.7																			
MEDIUM DENSE, GRAY, COARSE AND FINE SAND, SOME SILT, TRACE CLAY, TRACE GRAVEL, WET				41	7	9																
				42																		
				43																		
				44																		
				45	7	18	100	SS-16	-	-	-	-	-	-	-	-	-	25	A-4b (V)			
			443.7																			
MEDIUM DENSE, GRAY, COARSE AND FINE SAND, SOME SILT, TRACE CLAY, TRACE GRAVEL, WET				46	8	8																
				47																		
				48																		
				49																		
				50	8	26	100	SS-17	-	-	-	-	-	-	-	-	-	22	A-3a (V)			
			443.7																			
MEDIUM DENSE TO DENSE, GRAY, FINE SAND, "AND" COARSE SAND, TRACE SILT, TRACE GRAVEL, TRACE CLAY, WET				51	10	13																
				52																		
				53																		
				54																		
				55	8	29	100	SS-18	-	-	-	-	-	-	-	-	-	25	A-3a (V)			
			443.7																			
MEDIUM DENSE TO DENSE, GRAY, FINE SAND, "AND" COARSE SAND, TRACE SILT, TRACE GRAVEL, TRACE CLAY, WET				56	11	14																
				57																		
				58																		
				59																		

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 108+77, 77' RT.						START: 1/4/22		END: 1/4/22		PG 2 OF 2		B-009-0-21																																																																																																																																																																													
MATERIAL DESCRIPTION AND NOTES			ELEV. 442.0	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED																																																																																																																																																																								
										GR	CS	FS	SI	CL	LL	PL	PI																																																																																																																																																																											
MEDIUM DENSE TO DENSE, GRAY, FINE SAND, "AND" COARSE SAND, TRACE SILT, TRACE GRAVEL, TRACE CLAY, WET (continued)			FS	400.5	EOB	61	8 10 13	26	100	SS-19	-	-	-	-	-	-	-	-	22	A-3 (V)																																																																																																																																																																								
																						62	63	64	65	9 10 13	26	100	SS-20	-	-	-	-	-	-	-	-	24	A-3 (V)																																																																																																																																																					
																																									66	67	68	69	70	10 12 13	29	100	SS-21	-	2	39	52	7	0	NP	NP	NP	19	A-3 (0)																																																																																																																																
																																																														71	72	73	74	75	12 13 15	32	100	SS-22	-	-	-	-	-	-	-	-	-	16	A-3 (V)																																																																																																											
																																																																																			76	77	78	79	80	12 13 17	34	100	SS-23	-	-	-	-	-	-	-	-	-	25	A-3 (V)																																																																																						
																																																																																																								81	82	83	84	85	13 14 17	35	83	SS-24	-	-	-	-	-	-	-	-	-	22	A-3 (V)																																																																	
																																																																																																																													86	87	88	89	90	13 13 16	33	100	SS-25	-	-	-	-	-	-	-	-	-	19	A-3 (V)																																												
																																																																																																																																																		91	92	93	94	95	12 12 15	31	100	SS-26	-	-	-	-	-	-	-	-	-	17	A-3 (V)																							
																																																																																																																																																																							96	97	98	99	100	12 14 16	34	100	SS-27	-	-	-	-	-	-	-	-	-	21	A-3 (V)		
																																																																																																																																																																																												101

NOTES: GROUNDWATER ENCOUNTERED AT 40.0' DURING DRILLING. HOLE DID NOT CAVE. BORING OFFSET 16.0' EAST DUE TO OVERHEAD OBSTRUCTION.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 80 GAL. BENTONITE GROUT; POURED 2 BAGS HOLE PLUG; SHOVELED SOIL CUTTINGS

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT.GDT - 4/10/25 12:08 - X:\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH		DRILL RIG: CME 55T		STATION / OFFSET: 110+26, 28' LT.		EXPLORATION ID														
TYPE: BRIDGE		SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH		HAMMER: CME AUTOMATIC		ALIGNMENT: LINN ST		B-010-0-21														
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/5/19		ELEVATION: 518.0 (MSL) EOB: 106.5 ft.		PAGE														
START: 11/29/21 END: 11/30/21		SAMPLING METHOD: SPT		ENERGY RATIO (%): 68.4		LAT / LONG: 39.105334, -84.528510		1 OF 2														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG					ODOT CLASS (GI)	HOLE SEALED
6.0" ASPHALT AND 6.0" CONCRETE AND 5.0" BASE (DRILLERS DESCRIPTION)			518.0								GR	CS	FS	SI	CL	LL	PL	PI	WC			
MEDIUM DENSE, BROWN AND GRAY, GRAVEL AND STONE FRAGMENTS WITH SAND AND SILTRACE CLAY, CONTAINS TRACE BRICK FRAGMENTS, MOIST TO DAMP (FILL)			516.6	1																		
			2																			
			3	4	5	7	14	11	SS-1	-	-	-	-	-	-	-	-	-	-	14	A-2-4 (V)	
			4																			
			5	4	7	8	17	22	SS-2	-	-	-	-	-	-	-	-	-	-	9	A-2-4 (V)	
VERY STIFF TO HARD, BROWN, SILT AND CLAY, LITTLE TO SOME GRAVEL AND STONE FRAGMENTS, LITTLE TO SOME SAND, CONTAINS BRICK FRAGMENTS, DAMP (FILL)			511.0	6																		
			7																			
			8	5	6	6	14	56	SS-3	4.25	28	12	13	28	19	30	17	13	12	A-6a (3)		
			9																			
			10	5	4	5	10	39	SS-4	4.50	-	-	-	-	-	-	-	-	14	A-6a (V)		
			11																			
			12																			
			13	2	3	2	6	50	SS-5	4.25	-	-	-	-	-	-	-	-	16	A-6a (V)		
			14																			
			15	3	4	5	10	44	SS-6	2.50	-	-	-	-	-	-	-	-	17	A-6a (V)		
MEDIUM DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND TRACE SILT, TRACE CLAY, DAMP			501.0	16																		
			17																			
VERY STIFF, BROWN, SILTY CLAY, SOME SAND, LITTLE GRAVEL, DAMP TO MOIST			499.3	18	4	6	7	15	61	SS-7A	-	-	-	-	-	-	-	-	6	A-1-b (V)		
			19						SS-7B	2.25	-	-	-	-	-	-	-	-	18	A-6b (V)		
			20																			
			21	3	3	3	7	72	SS-8	2.25	13	12	9	33	33	36	18	18	21	A-6b (9)		
			22																			
MEDIUM DENSE TO DENSE, BROWN, COARSE AND FINE SAND, TRACE TO LITTLE SILT, TRACE GRAVEL, TRACE CLAY, DAMP TO MOIST @25.0' TO 29.0'; CONTAINS IRON STAINING			496.0	23	5	7	8	17	56	SS-9	-	-	-	-	-	-	-	-	3	A-3a (V)		
			24																			
			25	6	7																	
			26	6	7	6	15	67	SS-10	-	5	44	31	18	2	NP	NP	NP	6	A-3a (0)		
			27																			
			28	8	9	13	25	78	SS-11	-	-	-	-	-	-	-	-	-	6	A-3a (V)		
			29																			
			30	10	11	16	31	100	SS-12	-	-	-	-	-	-	-	-	-	4	A-3a (V)		
			31																			
			32																			
			33																			
			34																			
			35	5	4	6	11	100	SS-13	-	-	-	-	-	-	-	-	-	5	A-3a (V)		
			36																			
			37																			
@40.0' TO 46.5'; CONTAINS INTERBEDDED SILT SEAMS			471.0	38																		
			39																			
			40	4	6	7	15	67	SS-14	-	-	-	-	-	-	-	-	-	11	A-3a (V)		
			41																			
			42																			
			43																			
			44																			
			45	5	6	7	15	61	SS-15	-	-	-	-	-	-	-	-	-	14	A-3a (V)		
			46																			
			47																			
MEDIUM DENSE, BROWN BECOMING BROWN AND GRAY, SILT, LITTLE SAND, TRACE TO LITTLE CLAY, TRACE GRAVEL, WET				48																		
			49																			
			50																			
			51	5	7	7	16	72	SS-16	-	0	1	12	78	9	NP	NP	NP	26	A-4b (8)		
			52																			
			53																			
			54																			
			55																			
			56	5	8	6	16	67	SS-17	-	-	-	-	-	-	-	-	-	27	A-4b (V)		
			57																			
			58																			
			59																			

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 110+26, 28' LT.		START: 11/29/21		END: 11/30/21		PG 2 OF 2		B-010-0-21											
MATERIAL DESCRIPTION AND NOTES			ELEV. 458.0	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED		
MEDIUM DENSE, BROWN BECOMING BROWN AND GRAY, SILT , LITTLE SAND, TRACE TO LITTLE CLAY, TRACE GRAVEL, WET (continued)			++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++	458.0	W 449.8	61	4	7	8	17	78	SS-18	-	-	-	-	-	-	-	27	A-4b (V)	
						62																
						63																
						64																
						65	6															
						66	10	11	24	78	SS-19	-	-	-	-	-	-	-	-	25	A-4b (V)	
						67																
						68																
						69																
						70	7	14		31	67	SS-20	-	0	1	49	45	5	NP	NP	NP	
MEDIUM DENSE TO DENSE, GRAY, SANDY SILT , TRACE CLAY, TRACE GRAVEL, WET			 	449.7	W 449.8	71	7	14	13													
						72																
						73																
						74																
						75	7	12		26	72	SS-21	-	-	-	-	-	-	-	-	31	A-4a (V)
						76	12	11														
						77																
						78																
						79																
						80	7	11		25	78	SS-22	-	-	-	-	-	-	-	-	20	A-3a (V)
MEDIUM DENSE TO DENSE, GRAY, COARSE AND FINE SAND , TRACE SILT, TRACE CLAY, TRACE GRAVEL, WET			 <																			

EOB

NOTES: GROUNDWATER ENCOUNTERED AT 68.2' DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 230 GAL. BENTONITE GROUT

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH		DRILL RIG: CME 75T		STATION / OFFSET: 758+24, 54' RT.		EXPLORATION ID												
TYPE: RETAINING WALL		SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH		HAMMER: CME AUTOMATIC		ALIGNMENT: WINCHELL AVE		B-014-0-21												
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 5/1/19		ELEVATION: 505.4 (MSL) EOB: 51.5 ft.		PAGE												
START: 2/24/22 END: 2/24/22		SAMPLING METHOD: SPT		ENERGY RATIO (%): 89		LAT / LONG: 39.105714, -84.529250		1 OF 1												
MATERIAL DESCRIPTION AND NOTES		ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED
7.0" ASPHALT AND 7.5" BASE (DRILLERS DESCRIPTION)		505.4								GR	CS	FS	SI	CL	LL	PL	PI			
		504.2	1																	
STIFF TO VERY STIFF, BROWN AND GRAY, SILT AND CLAY, TRACE TO LITTLE SAND, TRACE GRAVEL, MOIST			2		5	7	19	100	SS-1	3.50	-	-	-	-	-	-	-	26	A-6a (V)	
			3			6														
			4																	
			5		4															
			6			4	13	100	SS-2	2.75	1	3	5	47	44	34	19	15	27	A-6a (10)
			7			5														
			8			5	16	100	SS-3	2.00	-	-	-	-	-	-	-	24	A-6a (V)	
		495.9	9			6														
VERY STIFF, BROWN AND GRAY, SILT, SOME CLAY, TRACE SAND, TRACE GRAVEL, MOIST			10		7															
		494.0	11			4	15	100	SS-4	2.25	1	1	3	61	34	29	19	10	26	A-4b (8)
			12			6														
MEDIUM DENSE, BROWN, COARSE AND FINE SAND SOME SILT, LITTLE CLAY, TRACE GRAVEL, MOIST			13		4	4	13	100	SS-5	-	-	-	-	-	-	-	-	17	A-3a (V)	
			14			5														
		490.9	15																	
STIFF, BROWN AND GRAY, SILT AND CLAY, LITTLE SAND, TRACE GRAVEL, MOIST			16		6	5	15	100	SS-6	1.50	-	-	-	-	-	-	-	27	A-6a (V)	
			17			5														
		487.7	18			4	16	100	SS-7	-	-	-	-	-	-	-	-	5	A-3a (V)	
MEDIUM DENSE, BROWN, COARSE AND FINE SAND SOME GRAVEL, TRACE SILT, TRACE CLAY, DAMP			19			7														
		485.9	20																	
STIFF, BROWN, SILT AND CLAY, LITTLE SAND, TRACE GRAVEL, MOIST			21		6	6	19	100	SS-8	1.25	1	7	7	54	31	28	16	12	22	A-6a (9)
			22			7														
		483.4	23																	
MEDIUM STIFF TO STIFF, BROWN, CLAY, SOME SILT, TRACE SAND, TRACE GRAVEL, MOIST			24		6	7	21	100	SS-9	0.75	-	-	-	-	-	-	-	34	A-7-6 (V)	
			25																	
		479.9	26		5	6	21	100	SS-10A	1.25	-	-	-	-	-	-	-	28	A-7-6 (V)	
VERY STIFF, BROWN, SILT, SOME CLAY, TRACE SAND, TRACE GRAVEL, CONTAINS NO INTACT SOIL FOR HP READING, MOIST			27			8			SS-10B	-	0	1	7	70	22	25	19	6	23	A-4b (8)
		477.8	28																	
MEDIUM DENSE, LIGHT BROWN, COARSE AND FINE SAND, LITTLE TO SOME SILT, TRACE CLAY, TRACE GRAVEL, MOIST			29		7	7	24	72	SS-11	-	-	-	-	-	-	-	-	18	A-3a (V)	
			30																	
			31		6	8	24	61	SS-12	-	-	-	-	-	-	-	-	16	A-3a (V)	
		473.4	32																	
MEDIUM DENSE, LIGHT BROWN, SILT, TRACE CLAY, TRACE SAND, TRACE GRAVEL, WET			33		7	8	25	83	SS-13	-	0	0	2	90	8	NP	NP	NP	23	A-4b (8)
			34			9														
		470.9	35																	
MEDIUM DENSE, BROWN, SILT, SOME SAND, TRACE CLAY, TRACE GRAVEL, WET			36		6	8	27	100	SS-14	-	0	0	29	65	6	NP	NP	NP	24	A-4b (7)
			37			10														
		467.1	38																	
MEDIUM DENSE TO DENSE, BROWN, SILT, LITTLE TO SOME CLAY, LITTLE TO SOME SAND, TRACE GRAVEL, WET TO MOIST			39																	
			40																	
			41		7	7	27	78	SS-15	-	-	-	-	-	-	-	-	23	A-4b (V)	
			42			11														
			43																	
			44																	
			45																	
			46		8	9	30	94	SS-16	-	-	-	-	-	-	-	-	22	A-4b (V)	
			47			11														
			48																	
			49																	
			50																	
		453.9	51		9	8	31	100	SS-17	-	-	-	-	-	-	-	-	20	A-4b (V)	
			EOB			13														

NOTES: GROUNWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 110 GAL. BENTONITE GROUT

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT GDT - 4/10/25 12:09 - X:\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\1ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / J. HODGES		DRILL RIG: CME 55X		STATION / OFFSET: 759+22, 10' RT.		EXPLORATION ID														
TYPE: RETAINING WALL		SAMPLING FIRM / LOGGER: NEAS / J. HODGES		HAMMER: CME AUTOMATIC		ALIGNMENT: WINCHELL AVE		B-015-0-21														
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/5/19		ELEVATION: 506.7 (MSL) EOB: 50.0 ft.		PAGE														
START: 3/10/22 END: 3/10/22		SAMPLING METHOD: SPT		ENERGY RATIO (%): 81.9		LAT / LONG: 39.105820, -84.529597		1 OF 1														
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				WC	ODOT CLASS (GI)	HOLE SEALED
3.0" ASPHALT AND 8.0" CONCRETE AND 6.0" BASE (DRILLERS DESCRIPTION)			506.7																			
HARD, BROWN, SANDY SILT, SOME CLAY, TRACE GRAVEL, CONTAINS BRICK FRAGMENTS, DAMP (FILL)			505.3	1																		
			2																			
			3		3	4	14	100	SS-1	4.25	-	-	-	-	-	-	-	15	A-4a (V)			
			4			6																
MEDIUM DENSE, BROWN, COARSE AND FINE SAND LITTLE SILT, TRACE GRAVEL, TRACE CLAY, CONTAINS BRICK FRAGMENTS, DAMP (FILL)			502.2	5																		
			6		3	5	15	100	SS-2	-	-	-	-	-	-	-	-	10	A-3a (V)			
VERY STIFF, BROWN, SANDY SILT, LITTLE CLAY, LITTLE GRAVEL, CONTAINS BRICK FRAGMENTS, DAMP (FILL)			499.7	7																		
			8		4	4	15	100	SS-3	3.00	14	20	26	26	14	21	11	10	11	A-4a (1)		
VERY STIFF, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, DAMP			497.2	9																		
			10																			
MEDIUM DENSE, BROWN, GRAVEL WITH SAND LITTLE SILT, TRACE CLAY, DAMP			494.1	11																		
			12		3	3	10	100	SS-4	2.75	7	15	11	35	32	33	19	14	19	A-6a (8)		
STIFF, BROWN, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, DAMP			491.5	13																		
			14		3	4	19	100	SS-5	-	17	45	20	12	6	NP	NP	NP	5	A-1-b (0)		
SOFT TO MEDIUM STIFF, BROWN, SILT AND CLAY, TRACE SAND, TRACE GRAVEL, MOIST			489.7	15																		
			16		3	3	10	100	SS-6	1.50	5	28	10	37	20	24	16	8	16	A-4a (4)		
MEDIUM DENSE, BROWN, SILT, SOME SAND, TRACE CLAY, TRACE GRAVEL, MOIST			487.9	17																		
			18		2	2	8	100	SS-7	0.50	-	-	-	-	-	-	-	27	A-6a (V)			
MEDIUM DENSE, BROWN, SILT, TRACE CLAY, TRACE SAND, TRACE GRAVEL, WET			484.7	19																		
			20																			
MEDIUM DENSE, BROWN, SILT, SOME SAND, TRACE CLAY, TRACE GRAVEL, MOIST			482.2	21																		
			22		3	7	23	100	SS-8	-	-	-	-	-	-	-	-	17	A-4b (V)			
MEDIUM DENSE, BROWN, SANDY SILT, TRACE CLAY, TRACE GRAVEL, WET			479.7	23																		
			24		4	7	20	100	SS-9	-	0	0	0	94	6	NP	NP	NP	25	A-4b (8)		
MEDIUM DENSE, BROWN, SANDY SILT, TRACE CLAY, TRACE GRAVEL, WET			463.4	25																		
			26		5	6	18	44	SS-10	-	-	-	-	-	-	-	-	16	A-4b (V)			
				27																		
			28		4	7	20	100	SS-11	-	-	-	-	-	-	-	-	25	A-4b (V)			
				29																		
			30																			
				31																		
			32		5	7	19	100	SS-12	-	-	-	-	-	-	-	-	24	A-4b (V)			
				33																		
			34		2	3	11	100	SS-13	-	0	0	2	89	9	NP	NP	NP	26	A-4b (8)		
				35																		
			36		3	4	14	100	SS-14	-	-	-	-	-	-	-	-	25	A-4b (V)			
				37																		
			38																			
				39																		
			40																			
				41																		
			42		3	4	12	100	SS-15	-	-	-	-	-	-	-	-	24	A-4b (V)			
				43																		
			44																			
				45																		
			46		2	3	14	100	SS-16	-	0	0	50	46	4	NP	NP	NP	28	A-4a (3)		
				47																		
			48																			
				49																		
			50		2	4	12	100	SS-17	-	-	-	-	-	-	-	-	21	A-4a (V)			
NOTES: GROUNDWATER ENCOUNTERED AT 17.5' DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.																						
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; PUMPED 50 GAL. BENTONITE GROUT; SHOVELED SOIL CUTTINGS																						

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT GDT - 4/10/25 12:09 - X:\1\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\1\ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

MATERIAL DESCRIPTION AND NOTES		ELEV. 505.2	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	BACK FILL
									GR	CS	FS	SI	CL	LL	PL	PI			
3.0" ASPHALT AND 7.0" CONCRETE AND 6.0" BASE (DRILLERS DESCRIPTION)		503.9	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21																
HARD, BROWN, SANDY SILT , SOME CLAY, LITTLE GRAVEL, CONTAINS IRON STAINING, DAMP		500.7		3 4 4	11	56	SS-1	4.25	11	19	15	33	22	25	16	9	14	A-4a (4)	
VERY STIFF, BROWN AND LIGHT BROWN, CLAY , "AND" SILT, TRACE TO LITTLE SAND, TRACE GRAVEL, CONTAINS IRON STAINING, MOIST TO DAMP		494.9		2 3 6	12	100	SS-2	2.25	-	-	-	-	-	-	-	-	28	A-7-6 (V)	
				3 2 4	8	100	SS-3	2.25	1	4	4	43	48	41	22	19	27	A-7-6 (12)	
				2 2 3	7	100	SS-4A SS-4B	2.25 -	- -	- -	- -	- -	- -	- -	- -	- -	18 6	A-7-6 (V) A-3a (V)	
LOOSE TO MEDIUM DENSE, BROWN, COARSE AND FINE SAND , SOME SILT, TRACE GRAVEL, TRACE CLAY, DAMP		490.7		1 4 5	12	100	SS-5	-	3	37	35	24	1	NP	NP	NP	4	A-3a (0)	
				1 3 3	8	100	SS-6	1.25	-	-	-	-	-	-	-	-	26	A-4b (V)	
				4 5 6	15	100	SS-7	4.00	-	-	-	-	-	-	-	-	19	A-4b (V)	
STIFF TO VERY STIFF, BROWN, SILT , LITTLE SAND, LITTLE CLAY, TRACE GRAVEL, WET TO MOIST		483.7		3 6 7	18	100	SS-8	2.00	-	-	-	-	-	-	-	-	15	A-4b (V)	

NOTES: GROUNDWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; SHOVELED SOIL CUTTINGS

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH		DRILL RIG: CME 75T		STATION / OFFSET: 760+71, 35' RT.		EXPLORATION ID														
TYPE: RETAINING WALL		SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH		HAMMER: CME AUTOMATIC		ALIGNMENT: WINCHELL AVE		B-018-0-21														
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 5/1/19		ELEVATION: 507.1 (MSL) EOB: 51.5 ft.		PAGE														
START: 2/23/22 END: 2/23/22		SAMPLING METHOD: SPT		ENERGY RATIO (%): 89		LAT / LONG: 39.106145, -84.529913		1 OF 1														
MATERIAL DESCRIPTION AND NOTES		ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				WC	ODOT CLASS (GI)	HOLE SEALED	
5.0" ASPHALT AND 6.0" CONCRETE AND 5.0" BASE (DRILLERS DESCRIPTION)		507.1								GR	CS	FS	SI	CL	LL	PL	PI					
VERY STIFF TO HARD, BROWN, SILT AND CLAY "AND" SAND, LITTLE GRAVEL, DAMP (FILL)		505.8	1																			
			2																			
			3		6	7	27	100	SS-1	2.75	-	-	-	-	-	-	-	-	9	A-6a (V)		
			4			11																
			5																			
MEDIUM DENSE TO DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND LITTLE SILT, TRACE CLAY, DAMP (FILL)			6		5	8	30	100	SS-2	4.50	18	20	17	26	19	26	15	11	10	A-6a (2)		
			7																			
		499.6	8		7	7	28	100	SS-3	-	-	-	-	-	-	-	-	-	9	A-1-b (V)		
			9			12																
			10																			
MEDIUM DENSE TO DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT TRACE CLAY, (GRAVEL WITH SAND INTERBEDDED WITH SANDY SILT LAYERS), SS-7 CONTAINS BRICK AND CONCRETE FRAGMENTS, DAMP (FILL)			11		10	10	33	100	SS-4	-	33	25	17	15	10	NP	NP	NP	5	A-1-b (0)		
			12																			
		495.1	13		9	9	28	100	SS-5	-	-	-	-	-	-	-	-	-	6	A-2-4 (V)		
			14			10																
			15																			
DENSE, BROWN, SILT, TRACE CLAY, TRACE SAND, TRACE GRAVEL, WET			16		8	10	36	33	SS-6	-	-	-	-	-	-	-	-	6	A-2-4 (V)			
			17			14																
			18		9	8	30	78	SS-7	-	31	26	14	19	10	NP	NP	NP	8	A-2-4 (0)		
			19			12																
			20		8	10	33	56	SS-8	-	1	1	1	92	5	NP	NP	NP	22	A-4b (8)		
MEDIUM DENSE, BROWN, COARSE AND FINE SAND SOME SILT, TRACE CLAY, TRACE GRAVEL, MOIST		484.5	22																			
			23		10	10	30	39	SS-9	-	-	-	-	-	-	-	-	15	A-3a (V)			
MEDIUM DENSE, BROWN, SILT, TRACE CLAY, TRACE SAND, TRACE GRAVEL, WET		483.2	24																			
			25																			
			26		5	8	25	56	SS-10	-	1	0	4	86	9	NP	NP	NP	26	A-4b (8)		
			27			9																
		479.2	28		7	8	30	89	SS-11A	-	-	-	-	-	-	-	-	-	22	A-4b (V)		
MEDIUM DENSE, BROWN, COARSE AND FINE SAND TRACE SILT, TRACE CLAY, TRACE GRAVEL, DAMP			29			12			SS-11B	-	-	-	-	-	-	-	-	8	A-3a (V)			
		477.6	30																			
MEDIUM DENSE TO DENSE, BROWN BECOMING GRAY, SILT, TRACE TO LITTLE CLAY, TRACE TO LITTLE SAND, TRACE GRAVEL, WET SS-13 CONTAINS IRON STAINING			31		5	7	22	78	SS-12	-	-	-	-	-	-	-	-	25	A-4b (V)			
			32																			
			33		6	8	25	78	SS-13	-	0	2	3	83	12	NP	NP	NP	25	A-4b (8)		
			34			9																
			35																			
			36		5	5	18	89	SS-14	-	-	-	-	-	-	-	-	-	28	A-4b (V)		
			37																			
			38																			
			39																			
			40																			
			41		6	8	28	100	SS-15	-	-	-	-	-	-	-	-	-	22	A-4b (V)		
			42			11																
			43																			
			44																			
			45																			
	46		7	8	31	100	SS-16	-	0	0	18	74	8	NP	NP	NP	25	A-4b (8)				
	47			13																		
	48																					
	49																					
	50																					
	51		8	8	30	100	SS-17	-	-	-	-	-	-	-	-	-	25	A-4b (V)				
	455.6			12																		

NOTES: GROUNDWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 110 GAL. BENTONITE GROUT

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT GDT - 4/10/25 12:09 - X:\1\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\1\ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

PROJECT:

HAM-75-1.05

TYPE:

RETAINING WALL

PID:

113361

 SFN:

START:

2/21/22

 END:

2/21/22

DRILLING FIRM / OPERATOR:

NEAS / J. HODGES

SAMPLING FIRM / LOGGER:

NEAS / J. HODGES

DRILLING METHOD:

3.25" HSA

SAMPLING METHOD:

SPT

DRILL RIG:

CME 55X

HAMMER:

CME AUTOMATIC

CALIBRATION DATE:

12/5/19

ENERGY RATIO (%):

81.9

STATION / OFFSET:

761+66, 11' RT.

ALIGNMENT:

WINCHELL AVE

ELEVATION:

504.8 (MSL)

 EOB:

50.0 ft.

LAT / LONG:

39.106357, -84.530089

EXPLORATION ID:

B-021-0-21

PAGE:

1 OF 1

MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED			
2.0" ASPHALT AND 12.0" CONCRETE AND 6.0" BASE (DRILLERS DESCRIPTION)			504.8								GR	CS	FS	SI	CL	LL	PL	PI						
STIFF TO VERY STIFF, BROWN, SILT AND CLAY, "AND" SAND, LITTLE GRAVEL, CONTAINS BRICK FRAGMENTS, DAMP (FILL)			503.3	1																				
				2																				
				3		4	4	10	44	SS-1	1.75	-	-	-	-	-	-	-	-	14	A-6a (V)			
				4																				
				5		2	3	8	44	SS-2	2.00	11	20	17	28	24	32	17	15	14	A-6a (5)			
VERY STIFF, BROWN WITH TRACE GRAY MOTTLES, CLAY, SOME SILT, TRACE SAND, TRACE GRAVEL, CONTAINS IRON STAINING, MOIST			497.8	6																				
				7																				
				8		2	2	5	100	SS-3	2.50	-	-	-	-	-	-	-	-	31	A-7-6 (V)			
				9																				
				10		2	2																	
LOOSE TO MEDIUM DENSE, BROWN, COARSE AND FINE SAND, LITTLE TO SOME SILT, TRACE CLAY, TRACE GRAVEL, DAMP			492.8	11		2	1	4	100	SS-4	2.50	0	1	3	31	65	43	24	19	30	A-7-6 (12)			
				12																				
				13		2	2	5	100	SS-5	-	-	-	-	-	-	-	-	-	12	A-3a (V)			
				14																				
				15		2	5	15	100	SS-6	-	1	40	44	12	3	NP	NP	NP	4	A-3a (0)			
LOOSE, BROWN, GRAVEL WITH SAND AND SILT TRACE CLAY, DAMP			485.3	16			6																	
				17																				
				18		2	3	11	39	SS-7	-	-	-	-	-	-	-	-	-	4	A-3a (V)			
				19			5																	
				20		2	3	10	56	SS-8	-	-	-	-	-	-	-	-	-	-	9	A-2-4 (V)		
MEDIUM DENSE, BROWN, COARSE AND FINE SAND LITTLE SILT, TRACE CLAY, TRACE GRAVEL, DAMP			482.8	21			4																	
				22																				
				23		3	6	18	44	SS-9	-	-	-	-	-	-	-	-	-	6	A-3a (V)			
				24			7																	
				25		6	8	23	50	SS-10	-	0	1	84	12	3	NP	NP	NP	5	A-3a (0)			
SS-12 BECOMES WET			473.5	26			9																	
				27																				
				28		4	7	19	72	SS-11	-	-	-	-	-	-	-	-	-	8	A-3a (V)			
				29			7																	
				30		5	6	18	100	SS-12	-	-	-	-	-	-	-	-	-	23	A-3a (V)			
LOOSE TO MEDIUM DENSE, BROWNISH GRAY BECOMING GRAY, SILT, LITTLE TO SOME SAND, TRACE CLAY, TRACE GRAVEL, WET			472.3	31			7																	
				32																				
				33		2	4	14	100	SS-13	-	-	-	-	-	-	-	-	-	28	A-4b (V)			
				34			6																	
				35																				
			472.3	36		4	7	20	100	SS-14	-	0	0	30	61	9	NP	NP	NP	26	A-4b (7)			
				37																				
				38																				
				39																				
				40																				
			472.3	41		2	6	16	100	SS-15	-	-	-	-	-	-	-	-	27	A-4b (V)				
				42			6																	
				43																				
				44																				
				45																				
			472.3	46		2	3	8	100	SS-16	-	0	0	12	79	9	NP	NP	NP	28	A-4b (8)			
				47			3																	
				48																				
				49		1	2	5	100	SS-17	-	-	-	-	-	-	-	-	-	29	A-4b (V)			
				50			2																	
			454.8	EOB																				

NOTES: GROUNDWATER ENCOUNTERED AT 32.5' DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

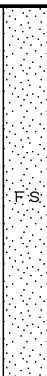
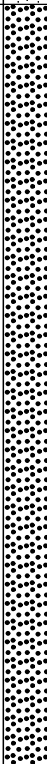
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; PUMPED 50 GAL. BENTONITE GROUT; SHOVELED SOIL CUTTINGS

[illegible]

NOTES: GROUNDWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; SHOVELED SOIL CUTTINGS

[illegible]

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 64+57, 13' LT.		START: 3/7/22		END: 3/8/22		PG 2 OF 2		B-024-0-21									
MATERIAL DESCRIPTION AND NOTES		ELEV. 428.5	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED	
									GR	CS	FS	SI	CL	LL	PL	PI				
LOOSE TO MEDIUM DENSE, BROWN AND GRAY, FINE SAND , TRACE COARSE SAND, TRACE SILT, TRACE CLAY, TRACE GRAVEL, WET (continued)			420.2	61	2 4 5	12	100	SS-18	-	-	-	-	-	-	-	-	-	23	A-3 (V)	
				62																
				63																
				64																
				65	4 5 6	15	100	SS-19	-	-	-	-	-	-	-	-	-	19	A-3 (V)	
				66																
				67																
				68																
				69																
				70	4 3 4	10	100	SS-20	-	0	3	86	11	0	NP	NP	NP	21	A-3a (0)	
LOOSE TO MEDIUM DENSE, BROWN AND GRAY, COARSE AND FINE SAND , LITTLE SILT, TRACE CLAY, TRACE GRAVEL, WET			403.5	71																
				72																
				73																
				74																
				75	5 5 6	15	100	SS-21	-	-	-	-	-	-	-	-	-	27		A-3a (V)
				76																
				77																
				78																
				79																
				80	4 6 6	16	100	SS-22	-	-	-	-	-	-	-	-	-	24		A-3a (V)
				81																
				82																
				83																
				84	3 5 7	16	100	SS-23	-	-	-	-	-	-	-	-	-	24		A-3a (V)
				85																
		403.5	EOB																	

NOTES: GROUNDWATER ENCOUNTERED AT 30.0' DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; PUMPED 100 GAL. BENTONITE GROUT; SHOVELED SOIL CUTTINGS

PROJECT: HAM-75-1.05			DRILLING FIRM / OPERATOR: NEAS / J. HODGES					DRILL RIG: CME 55X			STATION / OFFSET: 65+05, 211' RT.					EXPLORATION ID: B-026-0-21									
TYPE: BRIDGE			SAMPLING FIRM / LOGGER: NEAS / J. HODGES					HAMMER: CME AUTOMATIC			ALIGNMENT: IR-75														
PID: 113361 SFN:			DRILLING METHOD: 3.25" HSA					CALIBRATION DATE: 12/5/19			ELEVATION: 505.6 (MSL) EOB: 85.0 ft.					PAGE									
START: 1/26/22 END: 1/27/22			SAMPLING METHOD: SPT					ENERGY RATIO (%): 81.9			LAT / LONG: 39.107057, -84.530375					1 OF 2									
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED				
			505.6								GR	CS	FS	SI	CL	LL	PL	PI	WC						
MEDIUM DENSE, BROWN, SANDY SILT, TRACE CLAY, TRACE GRAVEL, CONTAINS COAL AND BRICK FRAGMENTS, MOIST (FILL)					1																				
					2																				
					3	6																			
					4		5	3	11	22	SS-1	-	-	-	-	-	-	-	-	-	-	14	A-4a (V)		
					5																				
					6	1		5	6	15	39	SS-2	-	5	18	35	32	10	NP	NP	NP	16	A-4a (1)		
					7																				
					8	8		5		19	100	SS-3A	-	-	-	-	-	-	-	-	-	15	A-4a (V)		
HARD, BROWNISH GRAY, CLAY, SOME SILT, TRACE SAND, TRACE GRAVEL, MOIST (FILL)					9					SS-3B	4.50	0	1	1	32	66	45	24	21	25	A-7-6 (13)				
					10																				
MEDIUM DENSE, BROWN AND GRAY, GRAVEL WITH SAND, TRACE SILT, TRACE CLAY, DAMP (FILL)					11	7		5	9	19	100	SS-4A	4.50	-	-	-	-	-	-	-	24	A-7-6 (V)			
					12																				
VERY STIFF, BROWN, CLAY, SOME SILT, TRACE SAND, TRACE GRAVEL, MOIST (FILL)					13	8		5	9	19	100	SS-5A	-	-	-	-	-	-	-	6	A-1-b (V)				
					14																				
MEDIUM DENSE, BROWN, SILT, LITTLE CLAY, LITTLE SAND, TRACE GRAVEL, WET (FILL)					15	3																			
					16		6	7	18	100	SS-6	-	0	0	13	73	14	NP	NP	NP	22	A-4b (8)			
MEDIUM DENSE, BROWN AND GRAY, GRAVEL WITH SAND, TRACE SILT, TRACE CLAY, CONTAINS BRICK FRAGMENTS, DAMP (FILL)					17																				
					18	3		11		29	100	SS-7A	-	-	-	-	-	-	-	-	21	A-4b (V)			
MEDIUM DENSE, BROWN AND ORANGISH BROWN, FINE SAND, TRACE COARSE SAND, TRACE SILT, TRACE CLAY, TRACE GRAVEL, CONTAINS IRON STAINING, DAMP					19																				
					20																				
MEDIUM DENSE, BROWN, SILT, TRACE CLAY, TRACE SAND, TRACE GRAVEL, WET					21	3		8	7	20	100	SS-8	-	-	-	-	-	-	-	6	A-3 (V)				
					22																				
					23	2		4		16	100	SS-9	-	-	-	-	-	-	-	27	A-4b (V)				
					24																				
					25																				
					26	2		4	5	12	100	SS-10	-	0	0	6	85	9	NP	NP	NP	24	A-4b (8)		
					27																				
					28																				
					29																				
					30	3		7	7	19	100	SS-11	-	-	-	-	-	-	-	-	-	24	A-4b (V)		
MEDIUM DENSE, BROWN, FINE SAND, TRACE COARSE SAND, TRACE SILT, TRACE CLAY, TRACE GRAVEL, WET					31																				
					32																				
					33																				
					34																				
					35	4		4	4	11	100	SS-12	-	-	-	-	-	-	-	-	30	A-3 (V)			
					36																				
					37																				
					38																				
VERY STIFF, GRAY, SILT, SOME CLAY, TRACE SAND, TRACE GRAVEL, MOIST					39																				
					40	3		4		12	100	SS-13	2.25	0	0	3	76	21	27	21	6	24	A-4b (8)		
					41																				
					42																				
					43																				
					44																				
					45	2		3	4	10	100	SS-14	-	-	-	-	-	-	-	-	25	A-4b (V)			
					46																				
					47																				
					48																				
					49																				
					50	2		3																	
					51																				
					52																				
					53																				
					54																				
VERY LOOSE TO MEDIUM DENSE, GRAY, SILT, TRACE TO LITTLE CLAY, TRACE SAND, TRACE GRAVEL, WET					55	0																			
					56		2		3	7	100	SS-16	-	0	0	1	86	13	NP	NP	NP	28	A-4b (8)		
					57																				
					58																				
					59																				

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 65+05, 211' RT.					START: 1/26/22	END: 1/27/22	PG 2 OF 2		B-026-0-21										
MATERIAL DESCRIPTION AND NOTES			ELEV. 445.6	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED	
VERY LOOSE TO MEDIUM DENSE, GRAY, SILT , TRACE TO LITTLE CLAY, TRACE SAND, TRACE GRAVEL, WET <i>(continued)</i>			++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++ ++++		60	0	4	100	SS-17	-	-	-	-	-	-	-	-	-	32	A-4b (V)		
					61																	
					62																	
					63																	
					64																	
					65	2																
					66	6	16	100	SS-18	-	0	0	8	85	7	NP	NP	NP	26	A-4b (8)		
					67																	
					68																	
					69																	
MEDIUM DENSE, GRAY, COARSE AND FINE SAND TRACE SILT, TRACE CLAY, TRACE GRAVEL, MOIST			++++ 																			

NOTES: GROUNDWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PUMPED 50 GAL. BENTONITE GROUT; SHOVELED SOIL CUTTINGS

PROJECT: HAM-75-1.05		DRILLING FIRM / OPERATOR: NEAS / ASHBAUGH		DRILL RIG: CME 55T		STATION / OFFSET: 65+82, 79' RT.				EXPLORATION ID												
TYPE: BRIDGE		SAMPLING FIRM / LOGGER: NEAS / ASHBAUGH		HAMMER: CME AUTOMATIC		ALIGNMENT: IR-75				B-027-0-21												
PID: 113361 SFN:		DRILLING METHOD: 3.25" HSA		CALIBRATION DATE: 12/5/19		ELEVATION: 501.0 (MSL) EOB: 101.5 ft.				PAGE												
START: 2/10/22 END: 2/11/22		SAMPLING METHOD: SPT		ENERGY RATIO (%): 68.4		LAT / LONG: 39.107091, -84.530900				1 OF 2												
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED	
5.0" ASPHALT AND 7.0" CONCRETE AND 6.0" BASE (DRILLERS DESCRIPTION)			501.0								GR	CS	FS	SI	CL	LL	PL	PI	WC			
HARD, BROWN, SANDY SILT, LITTLE CLAY, LITTLE GRAVEL, CONTAINS BRICK FRAGMENTS, MOIST (FILL)			499.5	1																		
			497.1	2																		
			3	7																		
STIFF TO VERY STIFF, BROWN, SILTY CLAY, SOME SAND, LITTLE GRAVEL, CONTAINS BRICK FRAGMENTS, DAMP (FILL)				4																		
			494.0	5	8																	
			6	5	4	10	61	SS-2	2.00	-	-	-	-	-	-	-	-	-	-	18	A-6b (V)	
STIFF, BROWNISH GRAY, SANDY SILT, LITTLE CLAY, LITTLE GRAVEL, DAMP (FILL)			491.5	7																		
			489.0	8	6																	
			9	6	8	16	56	SS-3	1.25	13	18	20	30	19	25	16	9	15	A-4a (3)			
VERY STIFF, BROWNISH GRAY AND BLACK, SILT AND CLAY, SOME SAND, LITTLE GRAVEL, SLIGHTLY ORGANIC, DAMP (FILL)			486.5	10																		
			484.0	11	7																	
			12	11	10	24	78	SS-4	3.00	-	-	-	-	-	-	-	-	-	-	15	A-6a (V)	
HARD, BROWNISH GRAY AND BLACK, SANDY SILT, SOME CLAY, LITTLE STONE FRAGMENTS, CONTAINS BRICK AND GLASS FRAGMENTS, DAMP (FILL)			470.5	13	7																	
			466.5	14	5																	
			15	4																		
VERY STIFF, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, DAMP (FILL)			457.7	16	5																	
				17	4																	
			18	4																		
STIFF TO VERY STIFF, BROWN MOTTLED WITH GRAY, SILTY CLAY, LITTLE SAND, TRACE TO LITTLE GRAVEL, MOIST				19	4																	
				20	3																	
			21	3	4	8	72	SS-8	2.75	-	-	-	-	-	-	-	-	-	-	21	A-6b (V)	
				22																		
				23	3																	
			24	4	4	9	67	SS-9	2.00	1	3	11	44	41	40	19	21	24	A-6b (12)			
				25																		
				26	3																	
			27	5	6	13	78	SS-10	2.25	-	-	-	-	-	-	-	-	-	-	26	A-6b (V)	
				28																		
				29	4																	
			30	4																		
LOOSE TO MEDIUM DENSE, BROWN, FINE SAND, TRACE COARSE SAND, TRACE SILT, TRACE CLAY, TRACE GRAVEL, DAMP			466.5	31	5																	
				32	4																	
			33	5																		
MEDIUM DENSE, BROWN AND GRAY, SILT, LITTLE SAND, LITTLE CLAY, TRACE GRAVEL, WET			457.7	34	6																	
				35	5																	
			36	6																		
				37	9																	
				38	5																	
			39	7																		
				40	5																	
				41	6																	
			42	8																		
MEDIUM DENSE, BROWN AND GRAY, SANDY SILT, TRACE CLAY, TRACE GRAVEL, WET				43																		
				44																		
			45	5																		
				46	8																	
				47	9																	
			48																			
				49																		
				50																		
			51	6																		
				52	9																	
				53	11																	
			54																			
				55																		
				56	6																	
			57	7																		
				58	10																	
				59																		

PID: 113361	SFN:	PROJECT: HAM-75-1.05	STATION / OFFSET: 65+82, 79' RT.				START: 2/10/22	END: 2/11/22	PG 2 OF 2		B-027-0-21															
MATERIAL DESCRIPTION AND NOTES			ELEV. 441.0	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED					
											GR	CS	FS	SI	CL	LL	PL	PI								
MEDIUM DENSE, BROWN AND GRAY, SANDY SILT , TRACE CLAY, TRACE GRAVEL, WET <i>(continued)</i>						5																				
						61	6	5	13	72	SS-20	-	-	-	-	-	-	-	-	-	32	A-4a (V)				
						62																				
LOOSE TO MEDIUM DENSE, GRAY, SILT , SOME SAND, TRACE CLAY, TRACE GRAVEL, WET			437.7			63																				
						64																				
						65	4																			
						66	3	4	8	78	SS-21	-	0	1	26	64	9	NP	NP	NP	27	A-4b (8)				
						67																				
						68																				
						69																				
						70	3																			
						71	3	4	8	83	SS-22	-	-	-	-	-	-	-	-	-	28	A-4b (V)				
						72																				
						73																				
						74																				
						75	3																			
						76	5	7	14	72	SS-23	-	-	-	-	-	-	-	-	-	25	A-4b (V)				
						77																				
						78																				
						79																				
						MEDIUM DENSE, GRAY, SANDY SILT , TRACE CLAY, TRACE GRAVEL, WET			417.7			80	4													
												81	6	9	17	89	SS-24	-	0	0	23	68	9	NP	NP	NP
82																										
83																										
84																										
85	7																									
86	9	11	23	100	SS-25							-	0	0	63	34	3	NP	NP	NP	23	A-4a (0)				
87																										
88																										
89																										
90	10																									
DENSE, GRAY, COARSE AND FINE SAND TRACE SILT, TRACE GRAVEL, TRACE CLAY, WET			407.7			91	11	13	27	100	SS-26	-	-	-	-	-	-	-	26	A-4a (V)						
						92																				
						93																				
						94																				
						95	12																			
						96	13	15	32	100	SS-27	-	-	-	-	-	-	-	-	-	22	A-3a (V)				
						97																				
						98																				
						99																				
						100	14																			
						101	14	16	34	100	SS-28	-	-	-	-	-	-	-	-	-	19	A-3a (V)				

NOTES: GROUNDWATER NOT ENCOUNTERED DURING DRILLING. HOLE DID NOT CAVE. DRILLED AS STAKED.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.5 BAG ASPHALT PATCH; PUMPED 100 GAL. BENTONITE GROUT; POURED 2 BAGS HOLE PLUG; SHOVELED SOIL CUTTINGS

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT.GDT - 4/10/25 12:10 - X:\ACTIVE PROJECTS\ACTIVE SOIL PROJECTS\1ARCHIVE BY YEAR\2024 ARCHIVE\HAM-75-1.05\GINT FILES\HAM-75-1.05.GPJ

