

PROJECT: <u>SAN-19-02.72</u>		DRILLING FIRM / OPERATOR: <u>SME / RM</u>		DRILL RIG: <u>SME CME 55 (293)</u>		STATION / OFFSET: <u>144+00, 3' RT.</u>		EXPLORATION ID: <u>B-001-0-25</u>												
TYPE: <u>LANDSLIDE</u>		SAMPLING FIRM / LOGGER: <u>SME / SS</u>		HAMMER: <u>CME AUTOMATIC</u>		ALIGNMENT: <u>CL CONST SR 19</u>														
PID: <u>119896</u> SFN: <u>N/A</u>		DRILLING METHOD: <u>3.75" HSA</u>		CALIBRATION DATE: <u>6/11/24</u>		ELEVATION: <u>655.2 (ft)</u> EOB: <u>60.0 ft.</u>		PAGE												
START: <u>2/11/25</u> END: <u>2/11/25</u>		SAMPLING METHOD: <u>SPT</u>		ENERGY RATIO (%): <u>80</u>		LAT / LONG: <u>41.295844, -83.051775</u>		1 OF 1												
MATERIAL DESCRIPTION AND NOTES		ELEV. 655.2	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED
ASPHALT (8") & BASE (15")				1																
		653.3		2																
MEDIUM DENSE, BROWN, COARSE AND FINE SAND , LITTLE SILT, TRACE CLAY, TRACE GRAVEL, MOIST				3																
				4	4	5	15	0	SS-1	-	1	3	73	14	9	NP	NP	NP	13	A-3a (0)
				5		6														
		649.2		6	10	12														
VERY STIFF, BROWN, SILT AND CLAY , LITTLE SAND, TRACE GRAVEL AND STONE FRAGMENTS, MOIST				7		15		78	SS-2	2.50	-	-	-	-	-	-	-	18	A-6a (V)	
				8																
@8.5'; HARD, DAMP				9	9	11	31	100	SS-3	4.5+	4	6	13	32	45	29	17	12	16	A-6a (9)
				10		12														
@11.0'; MOIST				11	6	9														
				12		11	27	100	SS-4	4.5+	-	-	-	-	-	-	-	18	A-6a (V)	
				13																
@13.5'; STIFF, GRAY				14	4	5	13	100	SS-5	2.00	6	6	12	34	42	31	16	15	17	A-6a (10)
				15		5														
				16	3	4														
				17		4	11	100	SS-6	1.50	-	-	-	-	-	-	-	17	A-6a (V)	
				18																
				19	3	3	9	100	SS-7	1.75	-	-	-	-	-	-	-	17	A-6a (V)	
				20		4														
@21.0'; VERY STIFF				21	3	4														
				22		6	13	100	SS-8	2.75	-	-	-	-	-	-	-	16	A-6a (V)	
				23																
@23.5'; STIFF				24	5	6	20	100	SS-9	1.75	-	-	-	-	-	-	-	16	A-6a (V)	
@24.5' - 24.7"; SAND SEAM			W 630.7	25		9														
				26																
@26.0'; VERY STIFF				27	5	5	15	100	SS-10	2.25	4	5	12	32	47	30	16	14	17	A-6a (10)
				28		6														
@28.5'; STIFF				29	4	4	11	100	SS-11	2.00	-	-	-	-	-	-	-	17	A-6a (V)	
				30		4														
@31.0'; VERY STIFF				31	3	4	13	100	SS-12	2.25	-	-	-	-	-	-	-	18	A-6a (V)	
				32		6														
				33																
				34	4	5	15	100	SS-13	3.00	-	-	-	-	-	-	-	16	A-6a (V)	
				35		6														
@36.0'; GRAYISH BROWN				36	3	4	12	100	SS-14	2.50	-	-	-	-	-	-	-	17	A-6a (V)	
				37		5														
		616.7		38																
HARD, GRAY, SANDY SILT , "AND" CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				39	4	7	20	100	SS-15	4.5+	4	6	14	40	36	24	15	9	13	A-4a (8)
				40		8														
@41.0'; LITTLE STONE FRAGMENTS, LITTLE CLAY				41	12	16														
			W 612.2	42		28	59	100	SS-16	4.5+	15	12	28	31	14	16	12	4	7	A-4a (2)
				43																
@43.5'; SOME CLAY, TRACE GRAVEL AND STONE FRAGMENTS				44	14	20	56	100	SS-17	4.5+	6	6	16	38	34	23	15	8	12	A-4a (7)
				45		22														
		609.2		46	10	12														
HARD, GRAY, SILT , SOME CLAY, TRACE SAND, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				47		25	49	100	SS-18	4.5+	5	3	6	51	35	24	17	7	13	A-4b (8)
				48																
@48.5'; LITTLE SAND				49	12	28	85	100	SS-19	4.5+	7	4	14	53	22	20	16	4	12	A-4b (8)
				50		36														
		604.2		51																
HARD, GRAY, SANDY SILT , SOME CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				52	10	16	44	100	SS-20	4.5+	8	7	12	38	35	25	15	10	11	A-4a (8)
				53		17														
				54	11	13	37	100	SS-21	4.5+	-	-	-	-	-	-	-	11	A-4a (V)	
				55		15														
				56	12	14														
				57		19	44	100	SS-22	4.5+	-	-	-	-	-	-	-	10	A-4a (V)	
				58																
				59	12	15	48	100	SS-23	4.5+	-	-	-	-	-	-	-	11	A-4a (V)	
		595.2	EOB			21														
NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE SURVEY GRADE INSTRUMENTS.																				
ABANDONMENT METHODS. MATERIALS. QUANTITIES: PLACED ASPHALT PATCH: POURED BENTONITE CHIPS: BENTONITE GROUT																				

PROJECT: <u>SAN-19-02.72</u>		DRILLING FIRM / OPERATOR: <u>SME / LP</u>		DRILL RIG: <u>SME CME 55 (293)</u>		STATION / OFFSET: <u>144+86, 5' RT.</u>		EXPLORATION ID												
TYPE: <u>LANDSLIDE</u>		SAMPLING FIRM / LOGGER: <u>SME / SS</u>		HAMMER: <u>CME AUTOMATIC</u>		ALIGNMENT: <u>CL CONST SR 19</u>		B-002-0-25												
PID: <u>119896</u> SFN: <u>N/A</u>		DRILLING METHOD: <u>3.75" HSA</u>		CALIBRATION DATE: <u>6/11/24</u>		ELEVATION: <u>654.2 (ft)</u> EOB: <u>50.0 ft.</u>		PAGE												
START: <u>3/10/25</u> END: <u>3/10/25</u>		SAMPLING METHOD: <u>SPT</u>		ENERGY RATIO (%): <u>80</u>		LAT / LONG: <u>41.296079, -83.051785</u>		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
										GR	CS	FS	SI	CL	LL	PL	PI			
ASPHALT (14")		654.2																		
		653.0		1																
HARD, BROWN MOTTLED WITH GRAY, SILTY CLAY , TRACE SAND, TRACE GRAVEL AND STONE FRAGMENTS, MOIST				2																
				3																
				4	5	7	16	89	SS-1	4.50	1	2	4	29	64	37	20	17	22	A-6b (11)
				5																
				6	5															
				7	5	5	13	100	SS-2	4.25	-	-	-	-	-	-	-	-	22	A-6b (V)
				8																
				9	5	5	13	100	SS-3	4.5+	-	-	-	-	-	-	-	-	22	A-6b (V)
				10																
@11.0'; DAMP				11	6	5	15	100	SS-4	4.00	-	-	-	-	-	-	-	-	17	A-6b (V)
				12		6														
		640.7		13																
STIFF, GRAY, SILT AND CLAY , LITTLE SAND, TRACE GRAVEL AND STONE FRAGMENTS, MOIST				14	4	4	12	100	SS-5	1.75	7	5	12	32	44	29	16	13	17	A-6a (9)
				15		5														
				16	3															
				17	3	3	9	100	SS-6	2.00	-	-	-	-	-	-	-	-	17	A-6a (V)
				18																
@18.5'; VERY STIFF				19	4	5	12	100	SS-7	2.50	-	-	-	-	-	-	-	-	17	A-6a (V)
				20		4														
				21	3															
				22	3	3	11	100	SS-8	2.25	-	-	-	-	-	-	-	-	18	A-6a (V)
				23																
@23.5'; STIFF				24	4	3	11	100	SS-9	2.00	-	-	-	-	-	-	-	-	18	A-6a (V)
				25		5														
				26	3															
				27	3	3	8	100	SS-10	1.75	9	4	10	31	46	30	17	13	19	A-6a (9)
				28																
				29	4	4	11	100	SS-11	1.75	-	-	-	-	-	-	-	-	19	A-6a (V)
				30																
@31.0'; VERY STIFF				31	5	6	19	89	SS-12	2.50	-	-	-	-	-	-	-	-	17	A-6a (V)
				32		8														
				33																
				34	6	6	16	78	SS-13	2.75	-	-	-	-	-	-	-	-	17	A-6a (V)
				35																
				36	6															
				37	6	6	19	100	SS-14	3.25	-	-	-	-	-	-	-	-	17	A-6a (V)
		615.7		38																
HARD, GRAY, SANDY SILT , "AND" CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				39	9	11	31	83	SS-15	4.50	3	3	9	45	40	25	17	8	16	A-4a (8)
				40		12														
				41	10															
				42	12	13	33	78	SS-16	4.50	-	-	-	-	-	-	-	-	12	A-4a (V)
@43.5'; LITTLE GRAVEL AND STONE FRAGMENTS, LITTLE CLAY				43																
				44	16	18	52	89	SS-17	4.50	13	31	18	26	12	19	15	4	9	A-4a (1)
				45		21														
@46.0'; TRACE GRAVEL AND STONE FRAGMENTS				46																
				47	17	21	67	72	SS-18	4.50	6	12	18	47	17	19	16	3	10	A-4a (6)
				48		29														
@48.5'; SOME CLAY				49	21	22	63	89	SS-19	4.5+	4	4	17	47	28	20	15	5	10	A-4a (8)
		604.2		50		25														

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE SURVEY GRADE INSTRUMENTS.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED ASPHALT PATCH; POURED BENTONITE CHIPS; BENTONITE GROUT

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT.GDT - 6/3/25 09:05 - X:\GINT\PROJECTS\601178.GPJ

PROJECT: SAN-19-02.72		DRILLING FIRM / OPERATOR: SME / LP		DRILL RIG: SME CME 55 (293)		STATION / OFFSET: 145+72, 3' RT.		EXPLORATION ID													
TYPE: LANDSLIDE		SAMPLING FIRM / LOGGER: SME / SS		HAMMER: CME AUTOMATIC		ALIGNMENT: CL CONST SR 19		B-003-0-25													
PID: 119896 SFN: N/A		DRILLING METHOD: 3.75" HSA		CALIBRATION DATE: 6/11/24		ELEVATION: 653.7 (ft) EOB: 60.0 ft.		PAGE													
START: 2/25/25 END: 2/25/25		SAMPLING METHOD: SPT		ENERGY RATIO (%): 80		LAT / LONG: 41.296316, -83.051804		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	
		653.7								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (8") & BASE (17")				1																	
		651.6		2																	
VERY STIFF, BROWN MOTTLED WITH GRAY, SILT AND CLAY, TRACE SAND, TRACE GRAVEL AND STONE FRAGMENTS, MOIST				3																	
				4	3	4	5	12	100	SS-1	4.00	2	1	4	39	54	34	19	15	23	A-6a (10)
				5																	
@6.0'; HARD				6	5	7	10	23	100	SS-2	4.5+	-	-	-	-	-	-	-	21	A-6a (V)	
				7																	
				8																	
@8.5'; VERY STIFF, DAMP				9	6	7	7	19	100	SS-3	4.00	-	-	-	-	-	-	-	17	A-6a (V)	
				10																	
@11.0'; GRAY, LITTLE SAND, LITTLE GRAVEL AND STONE FRAGMENTS				11	4	4	4	11	100	SS-4	2.50	13	5	11	31	40	29	15	14	14	A-6a (9)
				12																	
				13																	
@13.5'; STIFF, MOIST				14	3	3	3	8	100	SS-5	2.00	-	-	-	-	-	-	-	16	A-6a (V)	
				15																	
				16	2	3	4	9	100	SS-6	2.50	-	-	-	-	-	-	-	17	A-6a (V)	
@16.0'; VERY STIFF				17																	
				18																	
				19	3	4	5	12	100	SS-7	2.25	-	-	-	-	-	-	-	17	A-6a (V)	
				20																	
@21.0'; TRACE GRAVEL AND STONE FRAGMENTS				21	3	4	4	11	100	SS-8	2.50	6	4	12	32	46	28	16	12	16	A-6a (9)
				22																	
				23																	
				24	3	4	5	12	100	SS-9	2.50	-	-	-	-	-	-	-	17	A-6a (V)	
				25																	
				26	3	4	6	13	100	SS-10	2.50	-	-	-	-	-	-	-	16	A-6a (V)	
				27																	
				28																	
				29	3	4	5	12	100	SS-11	2.25	-	-	-	-	-	-	-	18	A-6a (V)	
				30																	
@31.0'; STIFF				31	2	3	3	8	100	SS-12	2.00	7	4	9	31	49	31	17	14	18	A-6a (10)
				32																	
				33																	
@33.5'; VERY STIFF				34	3	4	5	12	100	SS-13	2.75	-	-	-	-	-	-	-	17	A-6a (V)	
@33.6' - 33.75'; HIGH ANGLE SOIL FRACTURE WITH SAND INFILLING				35																	
				36																	
				37	3	4	8	16	100	SS-14	3.50	-	-	-	-	-	-	-	16	A-6a (V)	
		615.2		38																	
HARD, GRAY, SANDY SILT, SOME CLAY, LITTLE GRAVEL AND STONE FRAGMENTS, DAMP				39	6	10	12	29	100	SS-15	4.5+	10	10	20	35	25	20	13	7	9	A-4a (5)
		612.7		40																	
HARD, GRAY, SILT AND CLAY, LITTLE SAND, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				41	10	10	14	32	89	SS-16	4.5+	-	-	-	-	-	-	-	10	A-6a (V)	
				42																	
				43																	
				44	10	11	13	32	100	SS-17	4.5+	5	4	10	38	43	26	15	11	13	A-6a (8)
		607.7		45																	
HARD, GRAY, SANDY SILT, SOME CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				46	10	18	25	57	100	SS-18	4.5+	8	12	16	41	23	19	15	4	10	A-4a (6)
		605.2		47																	
				48																	
HARD, GRAY, SILT AND CLAY, LITTLE SAND, TRACE GRAVEL AND STONE FRAGMENTS, DAMP				49	16	19	20	52	100	SS-19	4.5+	9	7	12	37	35	25	14	11	10	A-6a (8)
				50																	
				51																	
				52	14	15	17	43	100	SS-20	4.5+	-	-	-	-	-	-	-	10	A-6a (V)	
		601.2	W	53																	
VERY DENSE, BLACK AND DARK GRAY, STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, WET		600.2	▽	54	21	28	21	65	89	SS-21	-	46	36	10	4	4	NP	NP	NP	15	A-1-b (0)
				55																	
				56	28	29	22	68	78	SS-22A	-	34	27	22	9	8	NP	NP	NP	12	A-1-b (0)
HARD, GRAY, SILT AND CLAY, LITTLE SAND, TRACE STONE FRAGMENTS, DAMP		596.9		57						SS-22B	4.5+	-	-	-	-	-	-	-	13	A-6b (V)	
				58																	
				59	18	21	23	59	100	SS-23	4.5+	7	7	12	34	40	26	15	11	12	A-6a (8)
		593.7		EOB																	
NOTES: LAT/LONG/ELEV FROM OGE SURVEY GRADE INSTRUMENTS.																					
ABANDONMENT METHODS, MATERIALS, QUANTITIES: ASPHALT PATCH; PLACED BENTONITE CHIPS; POURED BENTONITE GROUT																					

STANDARD ODOT SOIL BORING LOG (11 X 17) - OH DOT.GDT - 6/3/25 09:05 - X:\GINT\PROJECTS\601178.GPJ