

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 115+12, 8' RT.	EXPLORATION ID: B-001-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1231.2 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/16/18 END: 8/16/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.957487, -80.553395	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI			
ASPHALT (10"), CONCRETE (10") & BASE (4")	1231.2	1																
STIFF, BROWN, SANDY SILT, SOME STONE FRAGMENTS, LITTLE CLAY, MOIST	1229.2	2	7															
		3	3	10	17	SS-1	-	-	-	-	-	-	-	-	18	A-4a (V)	-	
		4	2															
	1226.2	5	3	23	78	SS-2	1.00	22	9	20	36	13	21	15	6	15	A-4a (3)	140
		6	2	13														
MEDIUM DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT, LITTLE CLAY, WET		7	3	11	78	SS-3	-	33	15	24	17	11	19	14	5	17	A-2-4 (0)	<100
		8	4	13	44	SS-4	-	-	-	-	-	-	-	-	-	21	A-2-4 (V)	-
	1223.2	EOB	5															

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\0600561.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 118+83, 6' LT.	EXPLORATION ID B-002-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1230.4 (MSL) EOB: 7.5 ft.	PAGE 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.958227, -80.554322	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (8"), CONCRETE (8"), TAR (1") & BASE (1")	1230.4																		
MEDIUM DENSE, DARK GRAY, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, DAMP	1228.9	1	3																
		2	7	20	33	SS-1	-	1	10	32	43	14	NP	NP	NP	14	A-4a (4)	240	
		3	3																
	1225.9	4	4	11	89	SS-2	-	5	8	28	43	16	NP	NP	NP	9	A-4a (5)	<100	
STIFF, BROWN AND GRAY MOTTLED, SILTY CLAY, LITTLE SAND, TRACE GRAVEL, MOIST		5	2	10	78	SS-3	2.00	6	4	12	45	33	34	14	20	20	A-6b (12)	-	
		6	3	5															
	1222.9	7	5	14	89	SS-4	2.00	-	-	-	-	-	-	-	-	18	A-6b (V)	-	
		EOB	5																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\0600551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 126+33, 5' LT.	EXPLORATION ID: B-004-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1242.1 (MSL) EOB: 7.5 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.959778, -80.556108	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (8"), CONCRETE (6"), SANDSTONE (2") & BASE (2")	1242.1	1																	
MEDIUM DENSE, DARK GRAY, SANDY SILT , LITTLE CLAY, LITTLE STONE FRAGMENTS, DAMP	1240.6	2	2	18	44	SS-1	-	14	13	27	31	15	NP	NP	NP	12	A-4a (2)	210	
VERY STIFF, BROWN AND GRAY MOTTLED, SANDY SILT , SOME CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP @4.5'; MEDIUM STIFF @6.0'; STIFF	1239.1	3	15	20	67	SS-2	3.00	7	13	21	35	24	21	15	6	12	A-4a (5)	540	
		4	5	20	67	SS-2	3.00	7	13	21	35	24	21	15	6	12	A-4a (5)	540	
		5	2	6	56	SS-3	0.50	-	-	-	-	-	-	-	-	14	A-4a (V)	-	
		6	2	6	56	SS-3	0.50	-	-	-	-	-	-	-	-	14	A-4a (V)	-	
		7	3	11	33	SS-4	1.00	-	-	-	-	-	-	-	-	12	A-4a (V)	-	
	1234.6	7	4	11	33	SS-4	1.00	-	-	-	-	-	-	-	-	12	A-4a (V)	-	
		EOB	4																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 130+09, 5' LT.	EXPLORATION ID: B-005-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1250.8 (MSL) EOB: 6.5 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.960552, -80.557006	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL	
								GR	CS	FS	SI	CL	LL	PL	PI				WC
ASPHALT (5"), BRICK (4"), CONCRETE (3"), SANDSTONE (1") & BASE (5")	1250.8																		
STIFF, BROWN AND GRAY MOTTLED, SANDY SILT, SOME CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP TO MOIST @3.0'; BROWN	1249.3	1	1	7	78	SS-1	2.00	6	8	19	41	26	24	15	9	18	A-4a (6)	220	↖ ↗
		2	2	3															↖ ↗
		3	5	6	10	SS-2	2.50	3	8	20	38	31	23	16	7	13	A-4a (7)	150	↖ ↗
	1245.4	4	6	7															↖ ↗
		5	7	7	18	SS-3A	2.50	-	-	-	-	-	-	-	-	14	A-4a (V)	-	↖ ↗
		6	7	18		SS-3B	-	-	-	-	-	-	-	-	-	9	Rock (V)	-	↖ ↗
SANDSTONE, BROWNISH GRAY, HIGHLY WEATHERED, VERY WEAK, FINE GRAINED.	1244.3	6	55	-	50	SS-4	-	-	-	-	-	-	-	-	-	6	Rock (V)	-	↖ ↗
		EOB																	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 134+26, 5' RT.	EXPLORATION ID: B-006-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1251.6 (MSL) EOB: 7.5 ft.	PAGE: 1 OF 1
START: 8/20/18 END: 8/20/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.961444, -80.557952	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL			
								GR	CS	FS	SI	CL	LL	PL	PI				WC		
ASPHALT (3"), BRICK (4"), CONCRETE (3"), SANDSTONE (2") & BASE (4")	1251.6																				
STIFF, GREENISH GRAY, SANDY SILT, SOME CLAY, TRACE GRAVEL, MOIST	1250.3	1																			
		2	1	3	10	56	SS-1	2.00	5	8	19	41	27	23	14	9	16	A-4a (7)	190	←	
		3	2	4	7	67	SS-2	1.50	8	9	21	41	21	20	14	6	14	A-4a (5)	510	←	
		4	3	2	3	7	67	SS-2	1.50	8	9	21	41	21	20	14	6	14	A-4a (5)	510	←
		5	4	3	10	78	SS-3	1.50	-	-	-	-	-	-	-	-	-	15	A-4a (V)	-	←
		6	1	4	10	33	SS-4	1.50	-	-	-	-	-	-	-	-	-	15	A-4a (V)	-	←
		1244.1	7	3	10	33	SS-4	1.50	-	-	-	-	-	-	-	-	-	15	A-4a (V)	-	←
		EOB	4																	←	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 136+91, 8' LT.	EXPLORATION ID: B-007-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1246.7 (MSL) EOB: 7.0 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.962022, -80.558535	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (2"), BRICK (4"), CONCRETE (1"), SANDSTONE (1") & BASE (4")	1246.7																		
MEDIUM DENSE, GRAY AND REDDISH BROWN MOTTLED, SANDY SILT, LITTLE CLAY, LITTLE STONE FRAGMENTS, DAMP	1245.7	1	4																
STIFF, GRAY AND BROWN MOTTLED, SANDY SILT, SOME CLAY, TRACE STONE FRAGMENTS, DAMP	1244.2	2	5	14	44	SS-1	-	11	11	23	37	18	NP	NP	NP	15	A-4a (4)	250	
		3	4	3	11	SS-2	2.00	7	9	21	40	23	20	15	5	14	A-4a (6)	230	
		4	2	5	14	SS-3	2.00	-	-	-	-	-	-	-	-	14	A-4a (V)	-	
		5	5	5	14	SS-3	2.00	-	-	-	-	-	-	-	-	14	A-4a (V)	-	
@5.5'; VERY STIFF	1240.5	6	3	7	27	SS-4A	2.50	-	-	-	-	-	-	-	-	13	A-4a (V)	-	
LIMESTONE, GRAY AND DARK GRAY, HIGHLY WEATHERED, WEAK TO SLIGHTLY STRONG.	1239.7	7	7	12	56	SS-4B	-	-	-	-	-	-	-	-	-	5	Rock (V)	-	
		EOB																	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 141+30, 5' RT.	EXPLORATION ID: B-008-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1237.5 (MSL) EOB: 7.5 ft.	PAGE: 1 OF 1
START: 8/21/18 END: 8/21/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.963049, -80.559366	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (3"), BRICK (4"), CONCRETE (2"), SANDSTONE (3") & BASE (2")	1237.5																		
MEDIUM DENSE, BROWN, COARSE AND FINE SAND, LITTLE GRAVEL, LITTLE SILT, NOT ENOUGH MATERIAL TO TEST, WET	1236.3	1	4																
STIFF, GREENISH GRAY, SANDY SILT, SOME CLAY, TRACE GRAVEL, MOIST	1234.5	2	3	11	11	SS-1	-	-	-	-	-	-	-	-	-	17	A-3a (V)	-	
		3	2	5															
		4	3	10	78	SS-2	1.00	8	10	22	37	23	21	14	7	15	A-4a (5)	<100	
		5	2	4															
		6	3	13	44	SS-3	2.00	8	8	20	36	28	24	14	10	16	A-4a (6)	<100	
		7	4	6															
	1230.0	EOB	3	11	67	SS-4	1.50	-	-	-	-	-	-	-	-	15	A-4a (V)	-	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 145+11, 8' LT.	EXPLORATION ID: B-009-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1230.0 (MSL) EOB: 7.0 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.963907, -80.560157	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO ₄ ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (2") & CONCRETE (10")	1230.0																		
STIFF, GRAY AND BROWN, SILT, SOME CLAY, SOME SAND, TRACE GRAVEL AND STONE FRAGMENTS, MOIST	1229.0	1	1																
	1227.5	2	2	4	33	SS-1	2.00	3	7	17	50	23	23	18	5	20	A-4b (8)	120	
STIFF, GRAY AND BROWN MOTTLED, SANDY SILT, SOME CLAY, LITTLE GRAVEL AND STONE FRAGMENTS, DAMP @4.0'; TRACE GRAVEL AND STONE FRAGMENTS @5.5'; BROWN		3	3	6	67	SS-2	2.00	15	10	16	33	26	24	16	8	13	A-4a (5)	<100	
		4	6	6	78	SS-3	2.00	6	7	17	44	26	22	16	6	15	A-4a (7)	-	
		5	6	6	78	SS-3	2.00	6	7	17	44	26	22	16	6	15	A-4a (7)	-	
		6	2	3	10	SS-4	1.50	-	-	-	-	-	-	-	-	15	A-4a (V)	-	
	1223.0	7	3	10	78	SS-4	1.50	-	-	-	-	-	-	-	-	15	A-4a (V)	-	
		EOB	4																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 148+74, 8' RT.	EXPLORATION ID: B-010-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1222.6 (MSL) EOB: 7.0 ft.	PAGE: 1 OF 1
START: 8/21/18 END: 8/21/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.964769, -80.560816	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (3"), BRICK (4"), CONCRETE (2"), SANDSTONE (1") & BASE (2")	1222.6																		
STIFF TO VERY STIFF, GRAY AND BROWN MOTTLED, SANDY SILT, SOME CLAY, TRACE GRAVEL, MOIST	1221.6	1	4																
		2	5	14	67	SS-1	2.00	9	9	24	35	23	20	14	6	16	A-4a (5)	210	
MEDIUM DENSE, BROWN AND GRAY MOTTLED, SILT, "AND" SAND, LITTLE CLAY, TRACE GRAVEL, MOIST TO WET	1218.6	3	4																
		4	5	18	78	SS-2	2.00	7	8	20	43	22	21	15	6	16	A-4a (6)	270	
		5	6																
		6	7	21	67	SS-3	-	-	-	-	-	-	-	-	-	17	A-4b (V)	-	
	1215.6	6	5																
		7	4	10	78	SS-4	-	1	1	34	53	11	NP	NP	NP	23	A-4b (6)	-	
		EOB																	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 153+21, 7' LT.	EXPLORATION ID: B-011-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1213.2 (MSL) EOB: 7.0 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.965789, -80.561715	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL	
								GR	CS	FS	SI	CL	LL	PL	PI					
ASPHALT (3"), BRICK (4"), CONCRETE (3") & BASE (2")	1213.2																			
MEDIUM DENSE, DARK GRAY, SANDY SILT, LITTLE CLAY, TRACE GRAVEL, DAMP	1212.2	1	6																	
VERY STIFF, BROWN AND GRAY MOTTLED, SANDY SILT, SOME CLAY, LITTLE GRAVEL AND STONE FRAGMENTS, DAMP TO MOIST @4.0' - 7.0'; ENCOUNTERED BOULDERS/COBBLES	1210.7	2	4	6	14	33	SS-1	-	7	10	26	41	16	NP	NP	NP	16	A-4a (4)	350	
		3	4	6	18	67	SS-2	2.00	12	8	17	37	26	23	15	8	16	A-4a (6)	190	
		4	6	7	21	33	SS-3	-	-	-	-	-	-	-	-	-	-	13	A-4a (V)	-
		5	7	8	21	33	SS-3	-	-	-	-	-	-	-	-	-	-	13	A-4a (V)	-
		6	10	9	27	22	SS-4	2.50	-	-	-	-	-	-	-	-	-	13	A-4a (V)	-
	1206.2	EOB	7	10																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:40 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 156+58, 9' LT.	EXPLORATION ID: B-012-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1207.0 (MSL) EOB: 7.5 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.966569, -80.562372	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (6"), CONCRETE (8") & BASE (4")	1207.0																		
STIFF, BROWN AND GRAY, SILT, SOME SAND, LITTLE CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP	1205.5	1	1																
LOOSE, GRAY, SILT, SOME SAND, TRACE CLAY, TRACE GRAVEL AND STONE FRAGMENTS, MOIST	1204.0	2	2	4	28	SS-1	1.50	9	11	16	50	14	21	15	6	15	A-4b (6)	260	
SOFT, DARK GRAY, SANDY SILT, SOME CLAY, LITTLE GRAVEL, SLIGHTLY ORGANIC (LOI = 4.0%), WET	1202.5	3	3	9	67	SS-2	-	3	9	26	54	8	NP	NP	NP	16	A-4b (5)	100	
@6.0'; MEDIUM STIFF, BROWN AND GRAY MOTTLED, MOIST	1199.5	4	3	9	67	SS-2	-	3	9	26	54	8	NP	NP	NP	16	A-4b (5)	100	
		5	1	4	78	SS-3	0.50	17	5	16	40	22	28	18	10	32	A-4a (5)	-	
		6	1	4	78	SS-3	0.50	17	5	16	40	22	28	18	10	32	A-4a (5)	-	
		7	2	6	56	SS-4	1.00	-	-	-	-	-	-	-	-	18	A-4a (V)	-	
		EOB	2	6	56	SS-4	1.00	-	-	-	-	-	-	-	-	18	A-4a (V)	-	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\0600561.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 160+06, 7' RT.	EXPLORATION ID: B-013-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1206.5 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/21/18 END: 8/21/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.967395, -80.563010	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI			
ASPHALT (10"), BRICK (4"), CONCRETE (1"), BRICK (4"), CONCRETE (1") & BASE (4")	1206.5	1																
STIFF, GREENISH GRAY, SANDY SILT, SOME CLAY, LITTLE GRAVEL, MOIST	1204.5	2	5															
@3.5'; HARD, BROWN MOTTLED WITH GRAY, TRACE GRAVEL		3	4	10	56	SS-1	1.50	12	9	21	30	28	21	13	8	16	A-4a (5)	<100
		4	3	4	13	SS-2	3.50	8	9	20	42	21	21	14	7	14	A-4a (6)	<100
		5	4	5	17	SS-3	3.00	-	-	-	-	-	-	-	-	14	A-4a (V)	-
		6	6	6	17	SS-3	3.00	-	-	-	-	-	-	-	-	14	A-4a (V)	-
		7	3	5	16	SS-4	3.50	-	-	-	-	-	-	-	-	14	A-4a (V)	-
	1198.5	8	6	6	16	SS-4	3.50	-	-	-	-	-	-	-	-	14	A-4a (V)	-
		EOB																

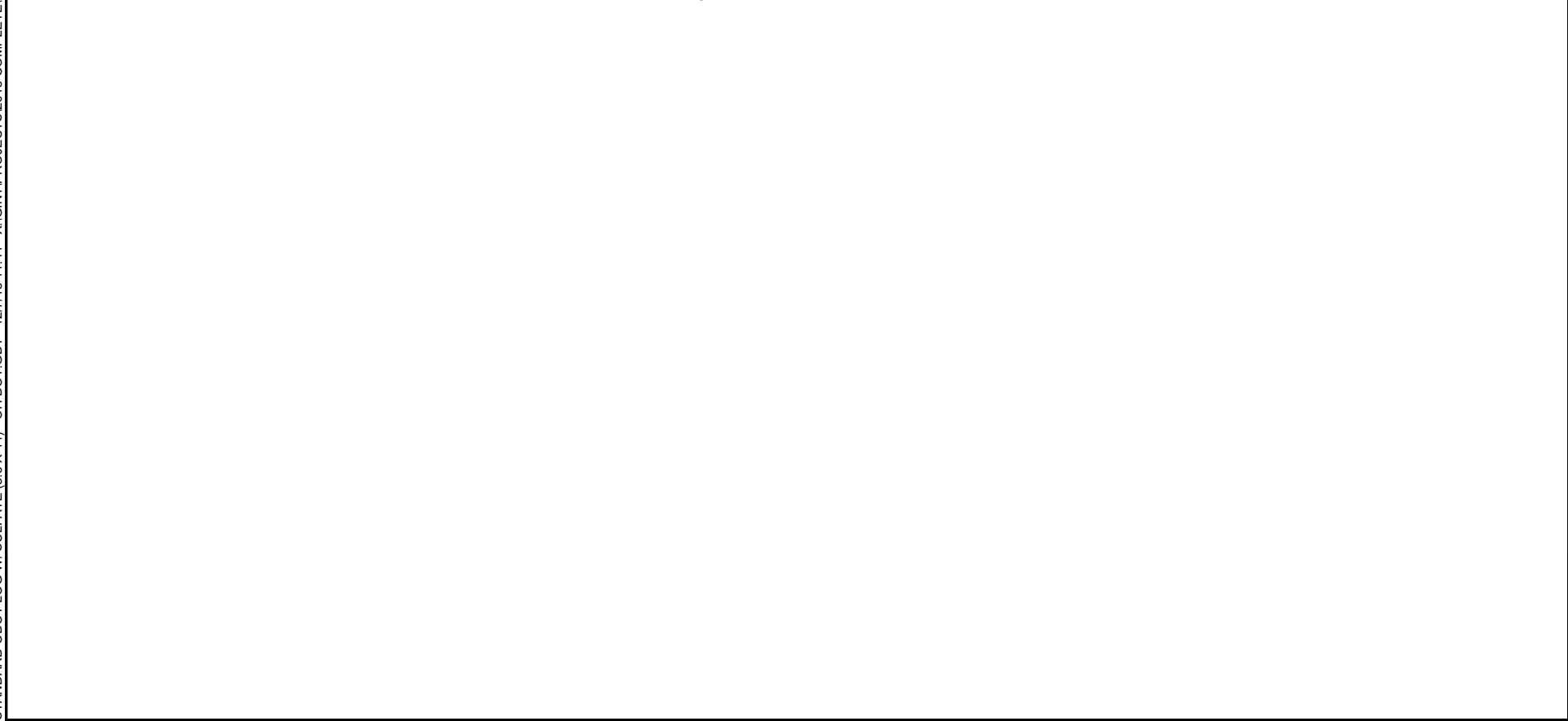
STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 164+71, 6' LT.	EXPLORATION ID: B-014-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1203.4 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.968444, -80.563966	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL	
								GR	CS	FS	SI	CL	LL	PL	PI				WC
ASPHALT (10"), BRICK (4"), CONCRETE (6") & BASE (4")	1203.4	1																	
STIFF, BROWN MOTTLED WITH GRAY, SANDY SILT, LITTLE CLAY, LITTLE GRAVEL AND STONE FRAGMENTS, MOIST	1201.4	2	3																
STIFF, BROWN MOTTLED WITH GRAY, SILT, LITTLE SAND, LITTLE GRAVEL AND STONE FRAGMENTS, LITTLE CLAY, MOIST	1199.9	3	4	14	78	SS-1	2.00	11	8	19	46	16	21	15	6	15	A-4a (5)	200	
STIFF, BROWN MOTTLED WITH GRAY, SILT, LITTLE SAND, LITTLE GRAVEL AND STONE FRAGMENTS, LITTLE CLAY, MOIST	1198.4	4	3	4	13	78	SS-2	1.50	18	4	14	50	14	22	15	7	15	A-4b (6)	440
VERY LOOSE TO LOOSE, BROWN MOTTLED WITH GRAY, SANDY SILT, LITTLE GRAVEL AND STONE FRAGMENTS, LITTLE CLAY, MOIST TO WET	1195.4	5	3	3	9	78	SS-3	-	-	-	-	-	-	-	-	-	16	A-4a (V)	-
		6	3	3															
		7	1	4	89	SS-4	-	15	11	18	46	10	NP	NP	NP	17	A-4a (4)	-	
		8	2																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\0600561.GPJ



NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 168+71, 7' RT.	EXPLORATION ID: B-015-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1196.6 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/21/18 END: 8/21/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.969383, -80.564721	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI			
ASPHALT (8"), BRICK (4"), CONCRETE (2"), BRICK (4"), CONCRETE (1"), SANDSTONE (3") & BASE (2")	1196.6	1																
STIFF, GRAY AND BROWN MOTTLED, SILTY CLAY , TRACE SAND, TRACE GRAVEL, MOIST	1194.6	2	1															
	1193.1	3	2	6	28	SS-1	2.00	1	2	6	49	42	39	16	23	25	A-6b (13)	130
VERY STIFF, BROWN AND GRAY MOTTLED, SANDY SILT , LITTLE CLAY, LITTLE GRAVEL, DAMP		4	2	6	17	SS-2	2.00	11	9	20	40	20	22	16	6	16	A-4a (5)	110
		5	4	6	16	SS-3	2.50	-	-	-	-	-	-	-	-	13	A-4a (V)	-
		6	5	6	16	SS-3	2.50	-	-	-	-	-	-	-	-	13	A-4a (V)	-
@6.5'; BROWN		7	3	6	23	SS-4	3.00	-	-	-	-	-	-	-	-	12	A-4a (V)	-
	1188.6	8	6	10	23	SS-4	3.00	-	-	-	-	-	-	-	-	12	A-4a (V)	-
		EOB																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 171+87, 6' LT.	EXPLORATION ID: B-016-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1189.9 (MSL) EOB: 7.5 ft.	PAGE: 1 OF 1
START: 8/27/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.970092, -80.565383	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL	
								GR	CS	FS	SI	CL	LL	PL	PI					
ASPHALT (8"), BRICK (4"), CONCRETE (1") & BASE (5")	1189.9	1																		
STIFF, GRAY AND BROWN, SANDY SILT, LITTLE CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP	1188.4	2	4	5	16	22	SS-1	1.00	5	8	28	48	11	19	16	3	11	A-4a (5)	510	
MEDIUM DENSE, BROWN, SANDY SILT, LITTLE CLAY, TRACE GRAVEL AND STONE FRAGMENTS, MOIST	1186.9	3	4	3	11	33	SS-2	-	6	10	23	44	17	NP	NP	NP	15	A-4a (5)	230	
		4	3	5	14	78	SS-3	-	-	-	-	-	-	-	-	-	17	A-4a (V)	-	
@6.0'; SOME GRAVEL AND STONE FRAGMENTS		5	3	5	14	78	SS-3	-	-	-	-	-	-	-	-	-	17	A-4a (V)	-	
		6	4	5	14	78	SS-3	-	-	-	-	-	-	-	-	-	17	A-4a (V)	-	
	1182.4	7	4	9	21	78	SS-4	-	24	15	21	28	12	NP	NP	NP	13	A-4a (1)	-	
		EOB																		

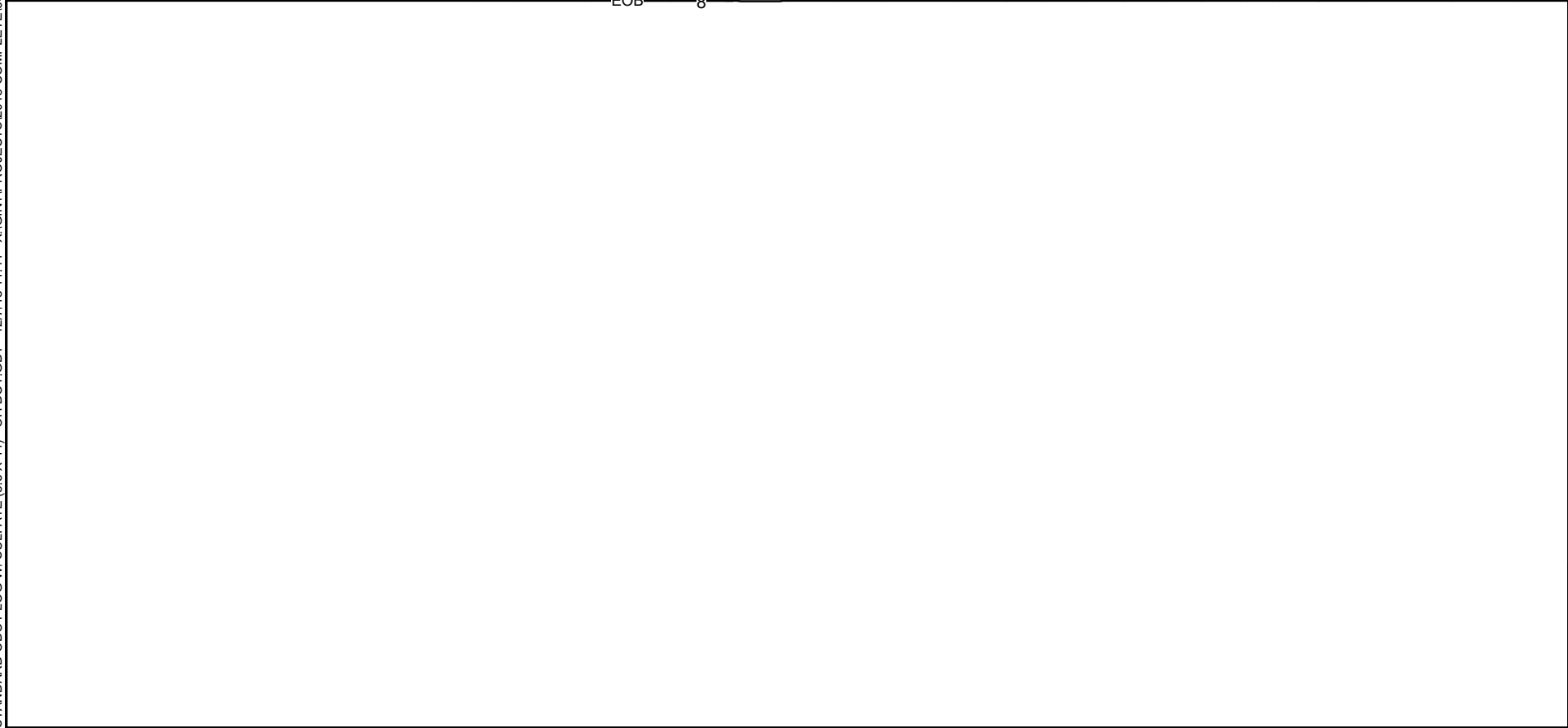
STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\0600551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 176+47, 7' RT.	EXPLORATION ID: B-017-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1180.0 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/21/18 END: 8/21/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.971157, -80.566274	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (8"), BRICK (4"), CONCRETE (2"), BRICK (4"), CONCRETE (3") & BASE (3")	1180.0	1																	
MEDIUM DENSE, GRAY AND BROWN MOTTLED, SANDY SILT , LITTLE CLAY, TRACE TO LITTLE GRAVEL, DAMP TO MOIST @3.5'; BROWN AND REDDISH BROWN	1178.0	2	2																
		3	4	16	44	SS-1	-	11	11	28	36	14	NP	NP	NP	14	A-4a (3)	110	
		4	4	11	44	SS-2	-	4	15	45	26	10	NP	NP	NP	17	A-4a (0)	<100	
		5	3	5	13	SS-3	-	-	-	-	-	-	-	-	-	17	A-4a (V)	-	
@6.5'; BROWN AND GRAY MOTTLED		6	4	7	67	SS-4	-	-	-	-	-	-	-	-	-	18	A-4a (4)	-	
	1172.0	7	1	2	7	SS-4	-	15	8	22	42	13	NP	NP	NP	18	A-4a (4)	-	
		8	3																

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ



NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 181+41, 5' LT.	EXPLORATION ID: B-018-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1176.7 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/22/18 END: 8/27/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.972265, -80.567307	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO ₄ ppm	BACK FILL	
								GR	CS	FS	SI	CL	LL	PL	PI				WC
ASPHALT (11"), BRICK (4"), CONCRETE (8") & BASE (1")	1176.7	1																	
MEDIUM DENSE, BROWN, SANDY SILT, LITTLE CLAY, LITTLE GRAVEL, DAMP	1174.7	2	2																
	1173.2	3	3	8	16	44	SS-1	-	12	13	29	34	12	NP	NP	NP	14	A-4a (2)	150
VERY STIFF, BROWN, SANDY SILT, SOME CLAY, TRACE GRAVEL AND STONE FRAGMENTS, DAMP TO MOIST @5.0'; STIFF, LITTLE CLAY		4	2																
		5	3	7	14	67	SS-2	3.00	7	7	19	40	27	23	15	8	14	A-4a (6)	<100
		6	4																
		7	4	5	13	78	SS-3	1.50	8	10	35	31	16	17	14	3	15	A-4a (2)	-
	1168.7	8	4	9	18	56	SS-4	1.50	-	-	-	-	-	-	-	-	14	A-4a (V)	-
		EOB																	

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

PROJECT: MAH-170-4.35	DRILLING FIRM / OPERATOR: ODOT / BRODIE	DRILL RIG: CME 75 TRUCK	STATION / OFFSET: 183+45, 7' LT.	EXPLORATION ID: B-019-0-18
TYPE: SUBGRADE	SAMPLING FIRM / LOGGER: ODOT / LEWIS	HAMMER: CME AUTOMATIC	ALIGNMENT: CENTERLINE OF SR 170	
PID: 103854 SFN: N/A	DRILLING METHOD: 3.5" SSA	CALIBRATION DATE: 6/1/17	ELEVATION: 1181.0 (MSL) EOB: 8.0 ft.	PAGE: 1 OF 1
START: 8/22/18 END: 8/22/18	SAMPLING METHOD: SPT	ENERGY RATIO (%): 85	LAT / LONG: 40.972728, -80.567722	

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			ODOT CLASS (GI)	SO4 ppm	BACK FILL
								GR	CS	FS	SI	CL	LL	PL	PI			
ASPHALT (8"), BRICK (4"), ASPHALT (7") & BASE (5")	1181.0	1																
VERY STIFF, BROWN, SANDY SILT, LITTLE CLAY, LITTLE GRAVEL, DAMP @3.5'; BROWN AND GRAY MOTTLED	1179.0	2	3															
		3	5 11	23	56	SS-1	2.00	11	10	22	39	18	20	14	6	14	A-4a (4)	250
VERY STIFF, BROWN, SILT AND CLAY, SOME SAND, TRACE GRAVEL, DAMP TO MOIST	1176.0	4	6															
		5	8 10	26	44	SS-2	3.00	18	9	19	35	19	24	14	10	14	A-4a (4)	190
		6	6															
		6	6 9	21	22	SS-3	3.00	-	-	-	-	-	-	-	-	14	A-6a (V)	-
		7	4															
	1173.0	7	4 5	13	67	SS-4	3.00	4	7	15	43	31	26	15	11	17	A-6a (8)	-
		8																



NOTES: HOLE DRY UPON COMPLETION. LAT/LONG/ELEV FROM OGE HANDHELD GPS UNIT.
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: BACKFILLED WITH AUGER CUTTINGS

STANDARD ODOT LOG W/ SULFATE (8.5 X 11) - OH DOT.GDT - 12/7/18 11:41 - X:\GINT\PROJECTS\2018 COMPLETE\000551.GPJ



OHIO DEPARTMENT OF TRANSPORTATION
DETERMINING SULFATE CONTENT IN SOILS
SUPPLEMENT 1122

Project C-R-S: MAH-170-4.35

PID No: 103854

Report Date: 10/23/18

Consultant: _____

Technician: A. Willis

Sample or Boring ID	Station	Offset	Latitude & Longitude or State Plane Coordinates	Elevation	Soaking Time (hr)	Dilution Ratio	Replicate Sample Readings			Average Reading	Sulfate Content (ppm)
							1	2	3		
B-001, 2018-014-008					19.1	1:20	4.568	2.747	13.83	7.05	141
B-001, 2018-014-009					19.4	1:20	2.462			2.46	49
B-002, 2018-014-176					19.5	1:20	11.8			11.80	236
B-002, 2018-014-177					19.6	1:20	4.524			4.52	90
B-003, 2018-014-066					19.8	1:20	20.22			20.22	404
B-003, 2018-014-067					20.1	1:20	6.099			6.10	122
B-004, 2018-014-180					21	1:20	10.5			10.50	210
B-004, 2018-014-181					21.3	1:20	27.07			27.07	541
B-005, 2018-014-184					21.8	1:20	11.19			11.19	224
B-005, 2018-014-185					22	1:20	7.664			7.66	153
B-006, 2018-014-070					16.5	1:20	10.72	9.77	8.431	9.64	193
B-006, 2018-014-071					17	1:20	25.4			25.40	508
B-007, 2018-014-189					17.2	1:20	12.56			12.56	251
B-007, 2018-014-190					17.5	1:20	11.62			11.62	232
B-008, 2018-014-075					17.9	1:20	3.619			3.62	72
B-008, 2018-014-076					18.2	1:20	4.11			4.11	82
B-009, 2018-014-194					18.9	1:20	6.335	6.634	5.337	6.10	122
B-009, 2018-014-195					19.1	1:20	3.352			3.35	67
B-010, 2018-014-078					19.5	1:20	10.68			10.68	214
B-010, 2018-014-079					19.8	1:20	13.33			13.33	267
B-011, 2018-014-198					20	1:20	17.31			17.31	346
B-011, 2018-014-199					21.2	1:20	9.446			9.45	189
B-012, 2018-015-002					17.6	1:20	13.08			13.08	262
B-012, 2018-015-003					17.9	1:20	5.113			5.11	102
B-013, 2018-014-082					21.6	1:20	3.732			3.73	75
B-013, 2018-014-083					22.1	1:20	1.563			1.56	31
B-014, 2018-015-006					18	1:20	10.12			10.12	202
B-014, 2018-015-007					18.1	1:20	22.2			22.20	444
B-015, 2018-014-086					22.4	1:20	6.439			6.44	129
B-015, 2018-014-087					22.9	1:20	5.228			5.23	105
B-016, 2018-015-010					18.6	1:20	25.38			25.38	508
B-016, 2018-015-011					18.9	1:20	12.16	12.29	10.58	11.68	234
B-017, 2018-014-090					19.4	1:20	5.602			5.60	112
B-017, 2018-014-091					19.6	1:20	3.128			3.13	63
B-018, 2018-015-014					19.7	1:20	7.46			7.46	149
B-018, 2018-015-015					19.9	1:20	4.217			4.22	84
B-019, 2018-014-094					20.2	1:20	12.36			12.36	247
B-019, 2018-014-095					20.5	1:20	9.306			9.31	186