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|------------------------------|--|---|--|-----------------------------|--|--|--|--|--|-------------------------------------|--|--|--|--|--|-----------------|--|
| PROJECT: WAS-77-9.58 | | DRILLING FIRM / OPERATOR: ODOT / MCINTOSH | | DRILL RIG: CME 850R TRACKED | | | | | | STATION / OFFSET: 504+56, 216' LT. | | | | | | EXPLORATION ID: | |
| TYPE: CULVERT | | SAMPLING FIRM / LOGGER: ODOT / LEWIS | | HAMMER: CME AUTOMATIC | | | | | | ALIGNMENT: CL IR 77 | | | | | | B-004-0-22 | |
| PID: 115420 SFN: 1988298 (P) | | DRILLING METHOD: 3.75" HSA | | CALIBRATION DATE: 4/19/21 | | | | | | ELEVATION: 864.0 (ft) EOB: 30.0 ft. | | | | | | PAGE | |
| START: 12/8/22 END: 12/12/22 | | SAMPLING METHOD: SPT | | ENERGY RATIO (%): 90* | | | | | | LAT / LONG: 39.532353, -81.445497 | | | | | | 1 OF 1 | |

| MATERIAL DESCRIPTION AND NOTES | ELEV. | | DEPTH | 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 | | |
| TOPSOIL (2") | 864.0 | | | | | | | | | | | | | | | | | | |
| STIFF, RED, SILTY CLAY, SOME STONE FRAGMENTS, TRACE SAND, MOIST | 863.8 | | 1 | | | | | | | | | | | | | | | | |
| | | | 2 | 3 | 8 | 67 | SS-1 | 2.00 | 30 | 2 | 7 | 28 | 33 | 37 | 19 | 18 | 21 | A-6b (8) | |
| | | | 3 | 1 | 8 | 44 | SS-2 | 1.50 | - | - | - | - | - | - | - | - | 20 | A-6b (V) | |
| @4.5'; MEDIUM STIFF | | | 4 | 2 | 8 | 33 | SS-3 | 1.00 | - | - | - | - | - | - | - | - | 24 | A-6b (V) | |
| @6.0'; DAMP | | | 5 | 2 | 8 | 33 | SS-3 | 1.00 | - | - | - | - | - | - | - | - | 24 | A-6b (V) | |
| | | | 6 | 3 | 9 | 61 | SS-4 | 1.00 | - | - | - | - | - | - | - | - | 17 | A-6b (V) | |
| @7.5'; LITTLE STONE FRAGMENTS, LITTLE SAND | | | 7 | 3 | 14 | 67 | SS-5 | 2.00 | 13 | 3 | 9 | 36 | 39 | 36 | 18 | 18 | 17 | A-6b (11) | |
| | | | 8 | 2 | 12 | 72 | SS-6 | 2.50 | - | - | - | - | - | - | - | - | 18 | A-6b (V) | |
| @9.0'; VERY STIFF | | | 9 | 3 | 11 | 78 | SS-7 | 2.00 | - | - | - | - | - | - | - | - | 18 | A-6b (V) | |
| @10.5'; STIFF | | | 10 | 4 | 14 | 61 | SS-8 | 2.00 | - | - | - | - | - | - | - | - | 23 | A-6b (V) | |
| @12.0'; MOIST | 850.5 | | 11 | 2 | 12 | 89 | SS-9 | 1.50 | 11 | 1 | 6 | 33 | 49 | 43 | 20 | 23 | 25 | A-7-6 (14) | |
| STIFF, RED, CLAY, SOME SILT, LITTLE STONE FRAGMENTS, TRACE SAND, MOIST | 849.0 | | 12 | 3 | 15 | 22 | SS-10 | 1.75 | - | - | - | - | - | - | - | - | 19 | A-6a (V) | |
| STIFF, RED AND OLIVE BROWN, SILT AND CLAY, LITTLE STONE FRAGMENTS, LITTLE SAND, DAMP | | | 13 | 5 | 17 | 78 | SS-11 | 2.00 | 20 | 2 | 8 | 34 | 36 | 39 | 24 | 15 | 21 | A-6a (9) | |
| @16.5'; VERY STIFF | 846.0 | | 14 | 3 | 24 | 89 | SS-12 | 2.00 | 32 | 2 | 5 | 29 | 32 | 38 | 23 | 15 | 17 | A-6a (7) | |
| VERY STIFF, DARK RED, SILT AND CLAY, SOME STONE FRAGMENTS, TRACE SAND, DAMP | | | 15 | 2 | 11 | 22 | SS-13 | 1.00 | - | - | - | - | - | - | - | - | 24 | A-6a (V) | |
| @19.5'; STIFF, MOIST | | | 16 | 4 | 18 | 100 | SS-14 | 2.00 | - | - | - | - | - | - | - | - | 21 | A-6a (V) | |
| @21.0'; VERY STIFF, RED | | | 17 | 3 | 12 | 89 | SS-15 | 1.50 | 22 | 1 | 6 | 36 | 35 | 34 | 21 | 13 | 22 | A-6a (8) | |
| @22.5'; STIFF | | | 18 | 4 | 18 | 94 | SS-16 | 2.50 | - | - | - | - | - | - | - | - | 18 | A-6a (V) | |
| @24.0'; VERY STIFF, DAMP | | | 19 | 5 | 17 | 100 | SS-17 | 2.00 | - | - | - | - | - | - | - | - | 19 | A-6a (V) | |
| | | | 20 | 2 | 32 | 56 | SS-18 | 2.50 | - | - | - | - | - | - | - | - | 19 | A-6a (V) | |
| @28.5'; LITTLE SAND | 834.0 | | 21 | 3 | 48 | 72 | SS-19 | 2.50 | 30 | 2 | 9 | 29 | 30 | 34 | 21 | 13 | 18 | A-6a (6) | |
| | | | 22 | 4 | | | | | | | | | | | | | | | |

EOB

NOTES: HOLE DRY UPON COMPLETION. LAT/LONG FROM OGE HANDHELD GPS UNIT. ELEV FROM DISTRICT SURVEY TIN.
ABANDONMENT METHODS. MATERIALS. QUANTITIES: AUGER CUTTINGS MIXED WITH 100 LB. BENTONITE CHIPS