PROJECT DESCRIPTION

THE EXISTING 4-SIDED BOX CULVERT BENEATH RIDGE ROAD (SR 3) IS BEING REPLACED WITH A 63" X 98", TYPE A, CONCRETE ELLIPTICAL CULVERT THAT WILL FOLLOW ESSENTIALLY THE SAME ALIGNMENT AS THE EXISTING CULVERT. THE PROPOSED CULVERT WILL BE 102 FEET LONG COMPARED TO THE EXISTING CULVERT LENGTH OF APPROXIMATELY 62 FEET TO ACCOMMODATE FLATTENED EMBANKMENTS SLOPES AT AN INCLINATION OF 3(H):1(V) ON BOTH SIDES OF THE ROADWAY. LITTLE TO NO ADJUSTMENT OF THE ROADWAY PROFILE IS PLANNED AS PART OF THIS PROJECT.

HISTORIC RECORDS

THE ON-LINE ODOT TRANSPORTATION INFORMATION MAPPING SYSTEM (TIMS) RECORDS WERE SEARCHED FOR HISTORIC BORING INFORMATION FOR THE EXISTING BRIDGE: HOWEVER, NO AVAILABLE HISTORIC BORING RECORDS WERE LOCATED FOR THIS SITE.

GEOLOGY

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THE PROJECT SITE IS WITHIN A PREVIOUSLY GLACIATED PORTION OF OHIO, AND WITHIN THE KILLBUCK-GLACIATED PITTSBURGH PLATEAU PHYSIOGRAPHIC REGION. THIS REGION IS CHARACTERIZED BY CLAY TO LOAM TILL OF THE WISCONSINAN-AGE UNDERLAIN BY MISSISSIPPIAN AND PENNSYLVANIAN-AGE SHALES, SANDSTONES AND CONGLOMERATES. THE GROUND SURFACE ELEVATION AT THE CULVERT CROSSING IS APPROXIMATELY EL. 884. ACCORDING TO THE MEDINA COUNTY SOIL SURVEY AS PERFORMED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA), THE SOILS ARE PRIMARILY COMPOSED OF LOBDELL SILT LOAM (LE) WHICH IS DERIVED FRÓM ALLUVIUM DEPOSITS WITH APPROXIMATELY EQUAL PERCENTAGES OF SANDS AND FINES (SILTS/CLAYS). BEDROCK TOPOGRAPHY MAPPING SUGGEST THAT THE SITE IS LOCATED OVER THE SIDESLOPES OF A GLACIALLY CARVED BURIED VALLEY, WITH THE UPPERMOST BEDROCK ANTICIPATED NEAR EL. 650.

ACCORDING TO ODNR GROUNDWATER RESOURCE MAPPING, THE SITE LIES IN AN AREA CHARACTERIZED BY GLACIAL DEPOSITS OVERLAYING SHALE OR SANDSTONE, OR YIELDS FROM SHALE BEDROCK. GROUNDWATER POLLUTION POTENTIAL MAPPING SUGGESTS THE PROJECT SITE LIES IN AN AREA CHARACTERIZED BY BURIED VALLEY CONDITIONS AND/OR VARYING THICKNESSES OF GLACIAL TILL THAT OVERLIE SANDSTONE OR SHALE BEDROCK.

A REVIEW OF THE ODNR "OHIO KARST AREAS" MAP INDICATES THE SITE LIES IN AN AREA NOT KNOWN TO CONTAIN KARST FEATURES. A REVIEW OF THE ODNR "LANDSLIDES IN OHIO" MAP REVEALS THE SITE IS IN AN AREA OF LOW INCIDENCE AND LOW SUSCEPTIBILITY TO LANDSLIDES, AND THE ODNR "ABANDONED UNDERGROUND MINES OF OHIO" MAP INDICATES THESE SITES LIE IN AREAS WITH NO MAPPED ABANDONED MINES NEAR THE AREA OF THE PROJECT SITE.

RECONNAISSANCE

SITE RECONNAISSANCE VISITS WERE MADE BY S&ME PERSONNEL ON NOVEMBER 13, 2017, AND MARCH 8, 2018, TO OBSERVE THE EXISTING CULVERT AND PROJECT VICINITY AND TO FIELD MARK THE BORING LOCATIONS. THE MED-3-24.34 STRUCTURE CARRIES AN UNNAMED TRIBUTARY OF THE EAST BRANCH ROCKY RIVER AT A DEPTH OF APPROXIMATELY 14.5 FEET BENEATH RIDGE ROAD (SR 3). AN AREA OF EXISTING EMBANKMENT ON THE SOUTH OF THE CULVERT AND ON THE WEST SIDE OF RIDGE ROAD IS SHOWING EVIDENCE OF EITHER INSTABILITY OR SURFACE SLOUGHING FROM EROSION, ALTHOUGH IT DOES NOT APPEAR THAT AN ACTIVE "LANDSLIDE" HAS OCCURRED.

SUBSURFACE EXPLORATION

ON MARCH 21 AND 22, 2018, S&ME PERFORMED FOUR (4) BORINGS DESIGNATED B-001-0-18 THROUGH B-004-0-18 (HEREAFTER REFERRED TO AS B-001 THROUGH B-004) TO EXPLORE THE EXISTING SOILS IN THE AREA OF THE PROPOSED REPLACEMENT CULVERT, THE POTENTIALLY UNSTABLE SLOPE SOUTH OF THE CULVERT, AND THE PAVEMENT/EMBANKMENT NORTH OF THE CULVERT. THE EMBANKMENT BORINGS NORTH AND SOUTH OF THE CULVERT (B-001 AND B-004) WERE EXTENDED TO DEPTHS OF 20 FEET BELOW THE EXISTING GROUND SURFACE, WHILE BORINGS B-002 AND B-003 WERE PERFORMED AT THE CULVERT AND WERE EXTENDED TO DEPTHS OF 45 FEET.

THE BORINGS WERE PERFORMED USING AN ATV-MOUNTED DRILLING RIG USING A 3-1/4-INCH I.D. HOLLOW-STEM AUGER. DISTURBED (BUT REPRESENTATIVE) SOIL SAMPLES WERE OBTAINED BY LOWERING A 2-INCH O.D. SPLIT-BARREL SAMPLER TO THE BOTTOM OF THE BORING AND THEN DRIVING THE SAMPLER INTO THE SOIL WITH BLOWS FROM A 140-POUND HAMMER FREELY FALLING 30 INCHES (AASHTO T206 - STANDARD PENETRATION TEST, SPT). IN ACCORDANCE WITH THE CURRENT ODOT SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS (SGE), THE HAMMER SYSTEM ON THE DRILL RIG HAD BEEN CALIBRATED IN ACCORDANCE WITH ASTM D4633 TO DETERMINE THE DRILL ROD ENERGY RATIO (84.7%). SAMPLING INTERVALS RANGED FROM BEING CONTINUOUSLY SAMPLED (SUBGRADE OR SCOUR ZONE SAMPLING) TO 5-FOOT INTERVALS AS REQUIRED BY THE ODOT SGE. AT THE TIME OF THE FIELD WORK, A THREE-SIDED REPLACEMENT CULVERT WAS BEING CONSIDERED, AND AS SUCH, CONTINUOUS SCOUR-ZONE SAMPLING WAS PERFORMED.

	LEGEND				
	DESCRIPTION		CLASS MECH./		
0000 0000 0000	GRAVEL WITH SAND	A-1-b		1	
	COARSE AND FINE SAND	A-3a		6	
	SANDY SILT	A-4a	2	1	
+ + + + + + + + + + + + + + + + + + +	SIL T	A-4b	1		
	SILT AND CLAY	A-6a	7	17	
	SILTY CLAY	A-6b	6	9	
		TOTAL	16	34	
XXXXX	PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL			
-	BORING LOCATION - PLAN VIEW				
	DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPH		AL SCALE	ONLY.	
WC	INDICATES WATER CONTENT IN PERCENT.				
N ₆₀	INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.				
W	INDICATES FREE WATER ELEVATION.				
÷	INDICATES A NON-PLASTIC MATERIAL WITH A MOISTURE GREATER THAN 25 % OR GREATER THAN 19 % WITH A WE				

- NF INDICATES A NON-PLASTIC SAMPLE.
- INDICATES A SPLIT SPOON SAMPLE, STANDARD PENETRATION TEST. SS

EXPLORATION FINDINGS

PAVEMENT AND BASE MATERIALS WERE ENCOUNTERED IN EACH OF THE BORINGS TO A DEPTH OF APPROXIMATELY 18 INCHES BELOW THE EXISTING GRADE. THE ASPHALT THICKNESS RANGED FROM 11 TO 15 INCHES AND WAS UNDERLAIN BY BRICK AND/OR GRANULAR BASE.

FILL AND/OR POSSIBLE/PROBABLE FILL MATERIALS WERE ENCOUNTERED IN EACH OF THE BORINGS TO DEPTHS RANGING FROM APPROXIMATELY 3 FEET TO 11.7 FEET BELOW THE EXISTING GRADE. THE FILL MATERIALS WERE COMPOSED OF STIFF TO HARD SILTY CLAY (A-6b), MEDIUM-DENSE GRAVEL WITH SAND (A-1-b), OR MEDIUM-DENSE COARSE AND FINE SAND (A-30). BRICK FRAGMENTS, ORGANIC FRAGMENTS, AND A CHEMICAL ODOR WERE NOTED WITHIN THE FILL MATERIALS IN ALL OF THE BORINGS EXCEPT BORING B-003

NATURAL SOILS WERE ENCOUNTERED BENEATH THE FILL MATERIALS TO THE TERMINATION DEPTHS OF THE BORINGS. THE NATURAL SOILS CONSISTED FOR THE MOST PART OF STIFF TO HARD SILT AND CLAY (A-6a) OR SILTY CLAY (A-6b) WITH A FEW VERY-SOFT TO MEDIUM-STIFF ZONES AND, IN BORING B-003. 0.8-FOOT TO 2.5-FOOT THICK LAYERS OF COARSE AND FINE SAND (A-3g) AND SANDY SILT (A-4d). BORING B-001 WAS TERMINATED WITHIN THESE COHESIVE SOILS. BORINGS B-002 THROUGH B-004 WERE TERMINATED AFTER PENETRATING 3.3 TO 11.2 FEET INTO GRANULAR SOILS CONSISTING OF MEDIUM-DENSE TO VERY-DENSE COARSE AND FINE SAND (A-3a), SANDY SILT (A-4a) AND SILT (A-4b).

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2017.

AVAILABLE INFORMATION

ALL AVAILABLE SOIL AND BEDROCK INFORMATION THAT CAN BE CONVENIENTLY SHOWN ON THE GEOTECHNICAL EXPLORATION SHEETS HAS BEEN SO REPORTED. ADDITIONAL EXPLORATIONS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECT OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE OR THE OFFICE OF GEOTECHNICAL ENGINEERING AT 1980 WEST BROAD STREET.

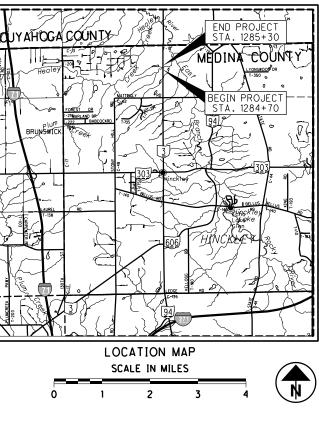
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BORI NO B-002-

BOULDERS

B-003-

DRAWN -



PARTICLE SIZE DEFINITIONS

	-	2.0							
COBBLES		GRAVEL	COARSE	SAND	FINE	SAND	SIL	T	CLAY
	1	No.10	SIEVE	No. 40	SIEVE	No.200) Sieve	Ξ	

	D ₅₀ V	ALUES	
ING •	SAMPLE NO.	SAMPLE ELEVATION	D ₅₀ (mm)
	SS-5	867.2 - 865.7	0.0094
-0-18	SS-6	865.7 - 864.2	0.0087
-0-18	SS-7	864.2 - 862.7	0.0078
	SS-8	862.7 - 861.2	0.0089
	SS-4	867.9 - 866.4	0.0079
-0-18	SS-5	866.4 - 864.9	0.0791
-0-10	SS-6	864.9 - 863.4	0.0128
	SS-7	863.4 - 861.9	0.011

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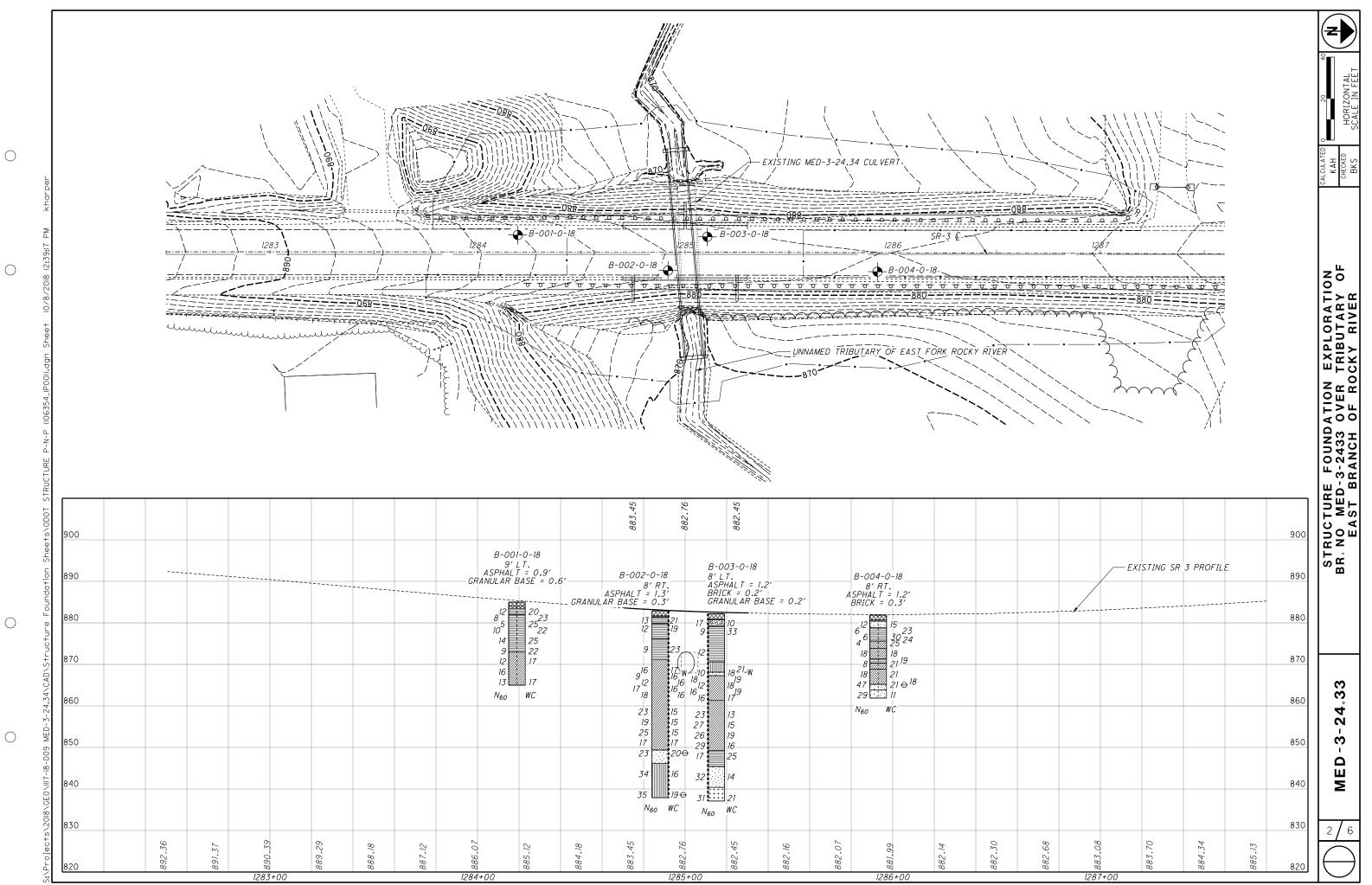
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- **RECON. -** S&ME 11/13/17, 3/8/18 DRILLING - S&ME 3/21/18 - 3/22/18 5/16/18 - 5/18/18, 10/8/18 КΔН KJD 8/10/18
 - 5/17/18.8/10/18.10/8/18
- TE OF OF BRIAN KEITH SEARS 74693 SSIONAL EN



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DRAWN KAH CHECKED BKS	
STRUCTURE FOUNDATION EXPLORATION LOG OF BORING B-001-0-18	
MED-3-24.33	
3/6	

VERT REPLACEMENT SAMPLING FIRM / SAMPLING FIRM /	VALUR: S&ME/A. N GER: S&ME/K. DO		HAMME	ا غن					STATION / OFFSET: ALIGNMENT:	N		SR 84	1284+92, 8 KI SR 3	х х	- B-00	2-0-
Job Comparison Job Com	DD: 3.25" HSA 10D: SPT		ALIBR NERG	ATION Y RAT	CALIBRATION DATE: 10/20/17 ENERGY RATIO (%): 77.8	10/20/17	8	ELE /	ELEVATION: LAT / LONG:		41.	MSL) 27009	882.9 (MSL) EOB: 41.270091 N. 81.	744	45.0 ft. PAGE 881 W 1 OF 1	PA 1 C
MATERIAL DESCRIPTI AND NOTES	ELEV. DEPTHS 882.9		SPT/ N ₆₀ REC S RQD (%)	³⁰ (%	C SAMPLE	PLE H	HP (tsf) GR	GRA	DATIC	GRADATION (%) cs			ATTERBERG LL PL PI	MC 0	ODOT CLASS (GI)	BACK
ASPHALT - 14 INCHES	881.7	- 1														××××
PROBABLE FILL: Very-stiff brown SILTY CLAY, little fine to	881.4 879.8	3 7	5 13	33	-SS-	 6,4,	-+o	'	ı		-		· ·	21	A-6b (V)	
arse sand, trace fine gravel, cnemical odor, damp. COBABLE FILL: Very-stiff light-gray SILTY CLAY, some e to coarse sand, little fine gravel, damp.		7	4 12	2 44	4 SS-2		3.25 14	13	13	19	41	37 1	18 19	19	A-6b (9)	
PROBABLE FILL: Stiff brown SILTY CLAY, little to some fine to coarse sand, trace fine gravel, few granite fragments, slight Abenical odor damo	876.2	9 / a														VL 2 VL 2 VL
		4	5 9	61	-SS-	<i>с</i>	1.0-	'	1		· ·		· ·	23	A-6b (V)	
Very-stiff to hard gray SILT AND CLAY , little fine to coarse sand, trace fine to coarse gravel, few stiff zones above 15', damp.	871.2	1														× 1 × 1 × 1
	3	2	5 16	56	S. S.	4	י י	'	1				1	17	A-6a (V)	
		- 15 - 2 - 16 - 2	2 5 9	100	-SS 0	5	3.0- 4.25 10	5	10	33	42		1	16	A-6a (V)	
		- 7	3 12	2 39	9-SS-6		3.0- 3.75 5	5	10	38	42	27 1	16 11	16	A-6a (8)	
		- 18 - 18 - 14	5 17	7 100	0 SS-7		3.5- 4 4.5+ 4	9	10	36	44		·	16	A-6a (V)	
		- 20 - 4	5 18	8 94	4 SS-8	-8 3.75- 4.5+	⁷⁵⁻ 7	5	10	36	42		•	16	A-6a (V)	
		- 2 - 22 - - 23 -														1 × 1 ×
		<u>е</u>	7 23	3 94	ss-	9 44	' ;;-'	'	1				· ·	15	A-6a (V)	
		· · · ·		_			_						_			×~~~
			6 9	9 100	0 SS-10		3.25-53.75	9	5	36	42	27 1	16 11	15	A-6a (8)	
		29 5 30 - 30 - 30 - 30 - 30 - 30 - 30 - 30	7 25	100	-SS 0	1 		· ·					· ·	15	A-6a (V)	
		31 4 - 32 - 32 - 32 - 32 - 32 - 32 - 32 -	6 17	7 100	0 SS-12		3.5 4	5	6	40	42	27 1	16 11	17	A-6a (8)	
Medium-dense gray COARSE AND FINE SAND , trace to little silt, trace fine gravel, trace clay, wet.	849.4	2	9 23	3 67	7 SS-13		· ·	'	I				· ·	20	A-3a (V)	
Dense gray SANDY SILT, little clay, little fine gravel, wet.	846.2	- 35														V V V V V
		- 38	12 14 34	4 78	3 SS-15		- 12	18	26	31	13	Z dz	N N N	16	A-4a (2)	
		- 44 6	13 35	5 78	8 SS-15		' .	·				· ·	' '	19	A-4a (V)	

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	DRAWN KAH CHECKED BKS
NITTIES: PLACED ASPHALT PATCH: PLASTIC HOLE PLUG DEVICE: SOLL CUTTINGS	STRUCTURE FOUNDATION EXPLORATION LOG OF BORING B-002-0-18
- Arter removal or augers, boring caved at 5.0 and was observed to be dry.	MED-3-24.33
Тар.тоа но - 8гоs.70 арг - (7гХгг) ядугм тодо амяг К. 9	4/6

TYPE: CULVET REPLACEMENT SAMPLING FIRM / LOGGER: S PID: 106354 BR ID: MED-3-2434 DRILLING METHOD: C	R: S&ME / K. DOHLEN 3.25" HSA		MER: BRATI		HAMMER: CME AUTOMATIC CALIBRATION DATE: 10/20/17 ENERGY ANTO (20) 77 0	MATIC 10/20/1			ALIGNMENT: ELEVATION: 882.2 (N			SR 3 SL EOB: 15L EOB:	<u>ة تما</u> 1	45.(B-003-0-18 0.ft. PAGE
	ELEV. DEPTHS 882.2	SPT/ RQD	2 ⁰⁹ 2	REC (%)	(%). SAMPLE ID	(tsf)		S RAD	GRADATION (%) CS FS SI 0	. (%)	AT AT	TER	5 Ø -	MC MC	
	880.9 880.7 880.7 - 2 879.2		17	33	SS-1		ı	1			1	1	1	10	A-1-b (V)
		3 4	6	44	SS-3	0.5- 1.0				· ·	-			33	A-6b (V)
	870.5 12 11 0 12 12 1 12 1 1 12 1 1 1 1		5	0	5	r	1	1		1	1	1		1	
	2000 K						1	1	34	21 22	26	16	10	2	A-4a (2)
	<u> </u>		10	72	SS-3AB			+ +			+ +	-	2 1	18	A-3a (V)
se	- 10		18	100	SS-4	3.5- 4.25	7	5	10	34 44	' +	•	ı	19	A-6a (V)
- Zone with some fine to coarse gravel from 16.5 to 18.0.			12	39	SS-5		32	6	6	21 29	'	1	1	18	A-6a (V)
	- 19		16	94	SS-6	4.0- 4.5+	5	9	11 4	44 34	4 34	19	15	19	A-6a (10)
Very-stiff gray SILT AND CLAY , little fine to coarse sand, trace fine gravel, damp.	861.2 - 20 - 21 - 21 - 22 - 22 - 22 - 23	4 4 4 4 4	16	100	SS-7	4.5+	თ	o	01	36	·	1	1	17	A-6a (V)
	- 24	4 4 7 5 11	23	94	SS-8	2.5- 3.25				· ·	•			13	A-6a (V)
	- 26	4 8	27	100	SS-9	3.7- 4.0	6	9	10	35 40	0 27	16	5	15	A-6a (8)
	29		26	100	SS-10	3.5				·	·	·	•	19	A-6a (V)
		2 6 8 14	29	100	SS-11	2.25-	1				· ·	'		16	A-6a (V)
Stiff gray SILTY CLAY , trace fine to coarse sand, trace fine to rearse sand, trace fine to coarse sand, trace fine	<u> </u>	3 - 4 - 1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	17	100	SS-12	1.3- 1.75	-	7	4	32 61	1 35	19	16	25	A-6b (10)
	845.5 - 36 - 36 - 37 - 37														
		8 9 4 11 14	32	100	SS-13		1	1						14	A-3a (V)
Dense gray SILT, little clay, little fine to coarse sand, trace	840.5 - 41 - 42 - 42 - 43														
	007 0 	44 + 5 10	31	78	SS-14	•	~	-	16 6	64 18	RP 8	ЧZ	ď	21	A-4b (8)

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	DRAWN KAH CHECKED BKS
and water was	STRUCTURE FOUNDATION EXPLORATION LOG OF BORING B-003-0-18
- No seepage encountered during drilling. - Groundwater encountered at 14.0' during drilling. - After removal of augers, boring caved at 28.5' and water was measured at 15.0'. measured at 15.0'. Mores: NONE NOTES: NONE MOTES: NONE MATERIALS, QUANTITIES: PI	MED-3-24.33
101 - TGD.TOG HO - 8102\70 ∃92 - (71X11) AAJYM TOGO ∃M82 S MA S MA	5/6

S&ME JOB: 1117-18-009															101 ≡	e ð
PROJECT: MED-3-24.33	DRILLING FIRM / OPERATOR:		S&ME / A. MESSER	~	DRILL RIG:	S&ME	S&ME ATV D50		STATIC	STATION / OFFSET	SET:	128	1285+93, 8'	' RT	EXPLORATION	ATION ID
TYPE: CULVERT REPLACEMENT	SAMPLING FIRM / LOG	GER:	S&ME / K. DOHLEN	1 1	AER:	CME AUTOMATIC	TOMATI		ALIGNMENT	1ENT:		SR 3	3		B-004	-0-18
06354 BR ID: ME	DRILLING METHOD:	e	3.25" HSA	CALIE	BRATIO	CALIBRATION DATE:	10/20/17	.	ELEVATION:		881.9 (MSL)	MSL)	EOB:	20	20.0 ft.	PAGE
START: 3/22/18	SAMPLING METHOD:		SPT	ENER	RGY RA	ENERGY RATIO (%):			LAT / LONG	:BNG		270316	41.270316 N, 81	.744819 W	M 6	
MATERIAL DESCRIPTION AND NOTES	NOI	ELEV. 881.9	DEPTHS	SPT/ RQD	N ^o N	REC SAMPLE (%) ID	PLE HP (tsf)	GR	CS FS	GRADATION (%)	5	ATTERBERG	BERG	MC	ODOT CLASS (GI)	BACK FILL
ASPHA	××															
BRICK FRAGMENTS - BRICK PAVERS - 4 INCHES	IS - 4 INCHES	880.4	-	10		_	+		-			+				1 2 2 2 2
FILL: Medium-dense brown COARSE AND FINE SAND, ittle fine to coarse gravel, trace silt, trace clay, few brick	FINE SAND,	878.9	- − −	3 4	12	28 SS-1		ı	י י	1	•	•	I	15	A-3a (V)	×74×7
Indemtets, damp. FILL: Stiff brown and gray SILTY CLAY, little fine to coarse	e fine to coarse	TTTTT	+	23	9	61 SS-2	-2 1.1-	с ,	4 9	38	46	38 18	\$ 20	23	A-6b (12)	1 L V V V 1 L V V V
	damp.	22 24 0 71	ت م ا ا	2 2 3	9	33 SS-3	3 1.0	ı	י י	ı	ı	-	I	30	A-6b (V)	× × × × × × × × × × × × × × × × × × ×
Very-soft to medium-stiff gray SILT AND CLAY , little fine to coarse sand, trace fine gravel, damp to moist.	AY, little fine to st.			1	4	56 SS-4B	4B 1.2/	- 4		2 36	4	31 17	- 14	25	<u>A-6b (V)</u> A-6a (10)	1
Very-stiff to hard brownish-gray SILT AND CLAY , little fine to coarse sand, trace fine gravel, damp.	:LAY , little fine to	873.9	∞	4	α	20 21	u							9	V 60 V	A 7 V F 7 A 7 V F 7 A 7 V F 7 A 7 V F 7
SOISE		871.4	- 10		_	_	,	·	·		•	·		2		V V V V
Soft to medium-stiff gray SILTY CLAY, little fine to coarse	fine to coarse	870.3		2		SS-6A		,						19	A-6b (V)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
/	Y , trace fine to	868 0	V - 12 .	24	α	/2 SS-6B	3B 1.1-	•	' '	•	•	•	•	21	A-6a (V)	× × × × × × × × × × × × × × × × × × ×
(CLAY, little fine			9 3 6	18	78 SS-7	-7 4.5+			,	· ·		,	21	A-6a (V)	× × × × × × × × × × × × × × × × × × ×
-∕8/0↓ - 1				0												~7 < ~7 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
C Verv-dense brown COARSE AND FINE SAND trace to little	D trace to little	865.2	17	15,	47 8	89 55-8A	+C.4 4.0+		•	+	•	+	+	3 18	A-ba (V)	1 L N L
		863.9						•	•			'	•	17	A-38 (V)	< 7 < 7 < 7 < 7 < 7 / 7
Dense gray COARSE AND FINE SAND, trace fine gravel, trace silt, trace clay, wet.	e fine gravel,	861.9		³ 10	29	56 SS-9	- 6	•	'	'			1	11	A-3a (V)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
NOTES: 	drilling. .0' and was															
28WE 0D0																
PLATE 1																
NOTES: NONE																
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACEI	QUANTITIES: PLACE	\sim	ASPHALT PATCH; PL	PLASTIC HOLE PLUG DEVICE	OLE PLI	UG DEVI		SOIL CUTTINGS	TINGS							

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DRAWN KAH CHECKED BKS	
STRUCTURE FOUNDATION EXPLORATION LOG OF BORING B-004-0-18	
MED-3-24 _. 34	
6/6	