TEST BORING NO. B-01/B-01A
GROUND SURFACE EL. 146 FT DCD
(ESTIMATED FROM EXISTING DRAWINGS)

146.0			7 inches of ASPHALTIC CEMENT CONCRETE
145.4			9 inches of PORTLAND CEMENT CONCRETE
144.7	21 18	<>	FILL - Mixed brown silty clay and coal pieces/cinders, trace sand, gravel and brick pieces (CL)
145.0	25 15 27	<>	
142.5	3 2 1	<>	
141.0			FILL - Very loose silty fine sand, trace clay, gravel, brick pieces and coal pieces/cinders, brown and black, moist (SM)
140.0	1 2 2	<>	
138.5			FILL - Mixed brown silty clay and coal pieces/cinders, trace sand and gravel (CL)
137.5	2 2 2	20.9 3500*PP	
132.0			FILL - Stiff silty clay, trace to some sand, trace gravel, frequent cinder seams, brown to gray (CL)
132.5	2 3 3	17.9 <>	
			BOTT/FOOTING ABUTMENT (B/EAST) EL 120.0
127.5	3 5 6	14.6 3440	
122.0			
122.5	2 4 4	16.3 2000*PP	Stiff SILTY CLAY, trace sand and gravel, gray (CL)
117.5	2 3 4	16.9 2000#TV	
112.5	4 4 4	19.8	Loose CLAYEY SILT, trace sand, gray (ML)
107.5			Stiff SILTY CLAY, trace sand and gravel, gray (CL)
106.0	5 6 7	11.9 2000*PP	
102.5			**MINIMUM PILE PENETRATION EL. 100.00 HP 12X53**
101.0	3 2 3	18.7 <>	
97.5	2 2 2	18.4 1200#TV	
92.5			Medium to soft SILTY CLAY, trace sand and gravel, coarse sand seam at about 50 ft., silty fine to medium sand layer 144-145 ft., gray (CL)
87.5	0 1 2	17.7 1200#TV	
82.5	0 2 1	17.6 1130	
77.5	1 2 3	18.3 1200#TV	
72.5	1 3 2	17.5 1200#TV	
67.5	0 2 1	20.3 1000#TV	

TEST BORING NO. B-01/B-01A (CONTINUED)

62.5	1 2 2	28.4 600#TV	
57.5	0 0 1	14.9 <>	
52.5	0 2 1	17.2 1200#TV	
47.5	0 1 3	22.6 1000#TV	
42.5	0 4 6	20.6 1400#TV	
37.5	3 5 8	21.6 1000#TV	Medium to soft SILTY CLAY, trace sand and gravel, coarse sand seam at about 50 ft., silty fine to medium sand layer 144-145 ft., gray (CL)
32.5	1 4 7	20.1 1000#TV	
27.5	1 5 7	20.9 1400#TV	
22.5	2 4 7	20.8 1600#TV	
17.5	3 5 6	22.0 860	
12.5	1 3 6	24.5 1000#TV	
7.5	3 8 9	25.5 1200#TV	
2.5	16 50/3"	23.7 1000#TV	
2.0			
-2.5	44 50/3"	11.2 9000+*PP	Hard SILTY SANDY CLAY, trace gravel, gray (CL)
			EXTIMATED PILE TIP ELEVATION HP 12X53 NOMINAL RESISTANCE = 350K EL. -8.0
-7.5	63 75 100/7"	10.8 9000+*PP	
-9.0			

NOTES:
POSSIBLE OBSTRUCTION ENCOUNTERED AT 2.5 FT., BORING OFFSET 3 FT SOUTH AND 1.5 FT EAST AND CONTINUED AS B-01A.

NO GROUNDWATER ENCOUNTERED DURING DRILLING
GROUNDWATER WAS NOT REPORTED UPON COMPLETION OF DRILLING DUE TO WASH ROTARY DRILLING METHODS

BORING TERMINATED AT A DEPTH OF 155.0 FEET BELOW EXISTING GRADE (EL. MINUS 9.0 FEET DCD).

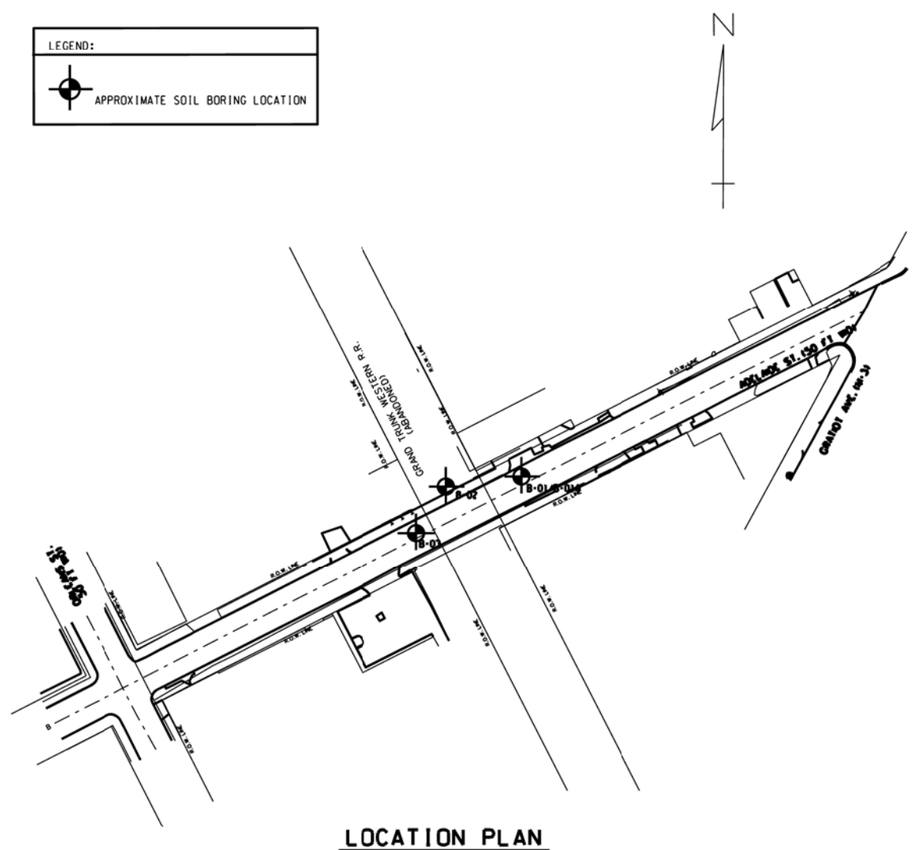
DRILL RIG: CME 55 (AUTOMATIC HAMMER)
DRILL METHOD: 2¼INCH HSA/WR
BACKFILLED WITH: GROUT & PATCH

DATE STARTED: 03-18-13
DATE COMPLETED: 03-20-13

ENGINEER ON RIG: S.SWAMINATHAN/K.BROWN

LEGEND:

APPROXIMATE SOIL BORING LOCATION



LOCATION PLAN

1ST 6 inch (13) % MC
2ND 6 inch (16) UCS (PSF)
3RD 6 inch (14)

NUMBERS IN CIRCLES DENOTE NUMBER OF BLOWS REQUIRED TO DRIVE A 2 inch O.D. (1 1#2 inch I.D.) SPLIT SPOON SAMPLER 3 SUCCESSIVE 6 inch INCREMENTS USING A 140 LB HAMMER FALLING 2.5 ft.

LABORATORY AND FIELD TEST RESULTS SHOWN INDICATE:

MC - MOISTURE CONTENT (PERCENT)
UCS - UNCONFINED COMPRESSIVE STRENGTH LABORATORY DETERMINED POUNDS/SQ.FT (PSF)
*PP UNCONFINED COMPRESSIVE STRENGTH USING POCKET PENETROMETER POUNDS/SQ.FT (PSF)
#TV UNCONFINED COMPRESSIVE STRENGTH USING TORVANE TEST POUNDS/SQ.FT (PSF)
± ℞ DISTURBED SAMPLE

(NR) NO RECOVERY

(37/0) WHERE THE SAMPLER IS DRIVEN DISTANCES OTHER THAN 18 inches, THE DISTANCE IS SHOWN IN THE CIRCLE WITH THE NUMBER OF BLOWS IN THE FORM OF A FRACTION. (DISTANCE IS IN INCHES).

CONSISTENCY WAS DETERMINED BY INSPECTION OF SAMPLES AND SUBSTANTIATED BY SOIL RESISTANCE TO DRILLING TOOLS (CASING OR AUGER). UNIFIED SOIL CLASSIFICAITON SYSTEM (USCS) GROUP SYMBOL DETERMINED PER ASTM VISUAL-MANUAL PROCEDURES.

THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY IMPLIES THAT THE SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING.

GROUNDWATER LEVELS REPRESENT THE CONDITIONS AT THE TIME THE MEASUREMENTS WERE OBTAINED AND SHOULD BE EXPECTED TO FLUCTUATE THROUGHOUT THE YEAR. GROUNDWATER LEVELS MAY ALSO BE INFLUENCED BY RESIDUAL BORING WATER.

Somat Engineering, INCORPORATED

REV'D	DATE	DESCRIPTION	BY
1	10/28/13	FOUNDATION REVISION	RRB

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND DATED)

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Building relationships on a foundation of excellence

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION
ADELAIDE ST. OVER DEQUINDRE CUT S.N. 12446
LOG OF BORING

ISSUED FOR: DATE: BY:

JOB NO. DTE 2025-09T

SHEET 10 (417)

ADELAIDE STREET BRIDGE

PROJECT MANAGER: - $FILE$ FIELD BOOK INFORMATION: - PLOTTED $DATE$ $TIME$ BY $USER$