TEST BORING NO. B-03
GROUND SURFACE EL. 146 FT DCD
(ESTIMATED FROM EXISTING DRAWINGS)

146.0			6 inches of ASPHALTIC CEMENT CONCRETE
145.5	4 6 4		10 inches of PORTLAND CEMENT CONCRETE
144.7			FILL - Mixed silty clay, sand, gravel and cinders
145.0	2 2 1		
143.0	3 2 2		FILL - Very loose gravelly fine to medium sand, trace silty, occasional silty clay pockets above 5 FT., brown, moist (SP)
142.5			
140.0	2 2 2		
137.5			
132.5	5 9 10	15.0 9000*PP	Hard to very stiff silty clay, trace to some sand, trace gravel, brown (CL)
127.5	5 7 10	15.6 4760	
126.0			
122.5	3 5 7	16.3 3000*PP	**BOTT/FOOTING ABUTMENT (A/WEST) EL 120.0**
117.5	3 4 6	15.5 2500*PP	
112.5	2 3 5	16.4 1800#TV	
107.5	0 3 4	17.4 1400#TV	
102.5	1 2 3	18.0 1000#TV	**MINIMUM PILE PENETRATION EL. 100.00 HP 12X53**
97.5	0 2 3	17.5 1000#TV	Stiff to soft silty clay, trace sand and gravel, gray (CL)
92.5	0 2 3	17.5 1600#TV	
87.5	5 3 4	14.1 1200#TV	
82.5	3 3 4	17.3 1200#TV	
77.5	3 3 5	20.0 1000#TV	
72.5	1 3 3	19.3 970	
67.5	1 2 4	20.4 1200#TV	

TEST BORING NO. B-03 (CONTINUED)

62.5	0 2 3	35.0 600#TV	
57.5	0 2 4	23.9 800#TV	
52.5	1 3 4	31.6 <>	
47.5	0 2 4	20.1 1200#TV	
42.5	2 4 6	23.5 <>	
37.5	1 3 5	21.2 1000#TV	Stiff to soft silty clay, trace sand and gravel, gray (CL)
32.5	0 3 6	21.0 1200#TV	
27.5	0 3 6	21.3 1410	
22.5	2 5 8	21.3 1600#TV	
17.5	1 5 7	16.0 1200#TV	
12.5	1 5 6	24.7 1400#TV	
7.5	2 5 6	24.5 800#TV	
2.5	27 35 50	10.1 9000+*PP	hard to very stiff silty clay, some sand, trace gravel, occasional silty fine sand seams above 145 ft., gray (CL)
-2.5	50	12.2 9000*PP	
-7.5	24 39 50/3"	13.9 6500*PP	**EXTIMATED PILE TIP ELEVATION HP 12x53 NOMINAL RESISTANCE = 350K EL. -8.0**
-9.0			

NOTES:
NO GROUNDWATER ENCOUNTERED DURING DRILLING

GROUNDWATER WAS NOT REPORTED UPON COMPLETION OF DRILLING DUE TO WASH ROTARY DRILLING METHODS

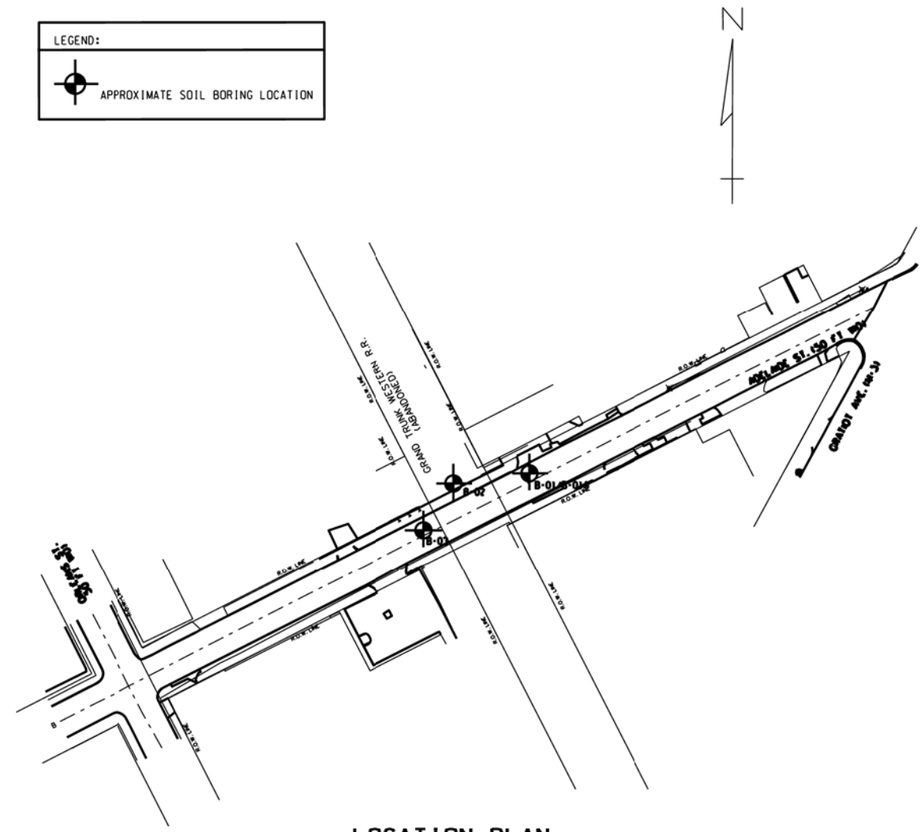
BORING TERMINATED AT A DEPTH OF 155.0 FEET BELOW EXISTING GRADE (EL. MINUS 9.0 FEET DCD).

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

DATE STARTED: 03-20-13
DATE COMPLETED: 03-21-13

ENGINEER ON RIG: S.SWAMINATHAN

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#	DATE	DESCRIPTION	BY
			RRB
1	10/28/13	FOUNDATION REVISION	

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. 12448
LOG OF BORING

ISSUED FOR: DATE: BY:

JOB NO. DTE 2025-09T

SHEET 12 (419)

ADELAIDE STREET BRIDGE

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