



May 25, 2022

Mr. Ron Brudidge
Director of Public Work, City of Detroit
2 Woodward Ave. STE 642
Detroit, MI 48226

**Re: Request for Public Highway Institutional Control
Former Jet Store #22008, Phillips 66 RM&R #6239
9100 Chalmers Ave
Detroit, Michigan 48213
Wayne County
Facility ID No. 00007366**

Dear Mr. Brudidge:

Atlas Technical (Atlas), on behalf of Phillips 66 (Phillips), is presently conducting corrective actions at the former Jet store property referenced above. As part of the corrective actions, we are requesting a signature on the enclosed Michigan Department of Environment, Great Lakes, and Energy (EGLE) Public Highway Institutional Control Form (Form).

Phillips proposes to use the Form to document soil and groundwater impacts at the former Jet property line which may extend into the Chalmers Ave., Evanston St., and Hayes St., right-of-way adjacent to the former Jet property. This Form will be used as an alternate institutional control mechanism in order to obtain closure with EGLE.

Atlas is respectfully requesting that you sign the Form and return it in the enclosed self-addressed stamped envelope. Please feel free to contact the undersigned by phone at 248-863-2668, or by email at Laura.Sleeper@oneatlas.com, if you have any questions or if you need any additional information.

Sincerely,
Atlas

A handwritten signature in blue ink that reads "Laura Sleeper".

Laura Sleeper
Retail Petroleum Division Manager

Copy: Edward Kuhn, Phillips 66
Atlas File (6239)

PUBLIC HIGHWAY INSTITUTIONAL CONTROL

When environmental contamination is proposed to remain in place within a public highway owned or controlled by a county road commission or local unit of government, the "Public Highway Institutional Control" may be used to satisfy all of the requirements under Section 21310a(3)(c) of Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). In addition, the "Public Highway Institutional Control" may serve as an alternative instrument, with department approval, pursuant to Section 20121(9) of Part 201, Environmental Remediation, of the NREPA. The party proposing this Institutional Control (IC) shall submit the completed form and all attachments with a Closure Report pursuant to Part 213 or a No Further Action Report pursuant to Part 201 to the appropriate [District Office](#). Multiple signature pages may be necessary if there is more than one authority that owns or controls the public highway. The EGLE Reference Number can be obtained by contacting the Remediation and Redevelopment Division at deq-rrd@michigan.gov, or by calling 517-284-5153.

SECTION 1. FACILITY INFORMATION:

EGLE REF. NUMBER.: LROW-RRD-213-20-055

SITE OR FACILITY NAME: Former Jet Store #22008, Phillips 66
RM&R #6239

SITE OR FACILITY ID NUMBER: 00007366

STREET ADDRESS: 9100 Chalmers Avenue

CITY: Detroit

ZIP: 48213

COUNTY: Wayne

NAME OF PARTY PROPOSING PUBLIC HIGHWAY IC:
Phillips 66 CompanyEMAIL ADDRESS:
Ed.kuhn@contractor.p66.com

STREET ADDRESS: 222 South Church Street, Suite 400

CITY: Charlotte

STATE:
NCZIP:
28202

CONTACT PERSON: Edward Kuhn

PHONE: 704-676-0502

FAX: 704-676-0704

EGLE District Office: Cadillac Gaylord Grand Rapids Jackson Kalamazoo Lansing
 Saginaw Bay SE Michigan Upper Peninsula**SECTION 2. AFFECTED PUBLIC HIGHWAY INFORMATION:**

1. Name of affected public highway(s) and nearest intersection: Chalmers Avenue, Evanston Street, and Hayes Street

2. Known or suspected contaminant(s) type (Check all that apply):

 Petroleum Volatile organic compounds Metals Other3. Is residual/mobile Non-Aqueous phase liquid present in the affected public highway: YES NO

4. Media contaminated:

a. Soil Depth to contaminated soil: 1'-8' bgsb. Groundwater Depth to contaminated groundwater: 1.60'-4.80' bgs Predominant groundwater flow direction: West/
Northwest

5. Provide a scaled drawing of the portion of the public highway subject to the institutional control that depicts the area impacted by regulated substances and the location of utilities in the impacted area, including storm water systems and municipal separate storm water systems. At a minimum, the scaled drawing should include:

a. A north arrow.

b. A graphical scale bar and scale statement (e.g. 1"=50').

c. The limits of the source property plotted, to scale, showing the relationship to the county road commission or local unit of government and other affected parcels.

d. The public highway(s) name identified.

e. A statement identifying the Township, Range, Section, and Quarter Section where the parcel is located.

f. The limits of the affected public highway plotted to scale. This area should be hatched and labeled appropriately.

g. The location of significant site features such as buildings, drives, parking lots, and road surface.

h. Cross section illustrating affected public highway, media, utilities, and location and depth of contaminated media.

i. Most recent analytical data illustrating contaminant compounds and concentrations within the contaminated media.

6. Provide a complete list that identifies all parties with ownership and possessory or use property interests related to the public highway (including owners of real property, easement holders, utility franchise holders, and owners or operators of public utilities):

City of Detroit Water and Sewerage Department (water and sanitary sewer service line)
City of Detroit Department of Public Services (road right-of-way)
DTE Energy (natural gas service line)

- a. Are any of the parties listed above affected by the contamination: YES NO
b. Have all of the parties above affected by the contamination received notification of the existing conditions as part of a corrective action plan or pursuant to the due care requirements: YES NO

7. Exposure risks:

- a. Due to groundwater contamination (Check all that apply):
 Drinking water Indoor air inhalation Surface water
- b. Due to soil contamination (Check all that apply):
 Direct contact Ambient air Inhalation Indoor air inhalation Leaching from soil to groundwater
 Direct transport to surface water Soil excavation/relocation

Based on the exposure risks identified above, insert a paragraph below which describes the affected media, the nature and extent of the hazardous substances, the cleanup criteria exceeded, the routes of potential exposure, any response activities or corrective actions that have been taken to address the contamination, and any activities that could result in exposure to hazardous substances that would cause this institutional control to not be protective of public health, safety, and welfare (e.g. use of the groundwater for consumption, irrigation, or any other use, management and disposal of groundwater for dewatering for construction purposes; any excavation or intrusive activity that would result in contaminated soils to be placed at the ground surface or otherwise exacerbate the extent of contamination).

Soil samples were collected along the property boundary of the site, as well as the northern and southern Right-of-Way (ROW) of Evanston Street, eastern ROW of Hayes Street, and the western ROW of Chalmers Road. Concentrations of petroleum constituents have been detected in soil samples collected from soil borings EB-4, EB-6, EB-7, EB-8, MW-4, SB 9-09, SB 10-09, SB 11-09, SS-9, SVB-2, TB-B, TB-C, TB-D, UC-1, and UC-2. Concentrations in EB-4, EB-6, EB-7, EB-8, SB 9-09, SB10-09, SB 11-09, SS-9, SVB-2, TB-B, TB-C, TB-D, UC-1, and UC-22 are greater than the EGLE Non-residential Drinking Water Protection Risk-Based Screening Levels (RBSLs) and/or EGLE Groundwater Surface Water Interface Protection RBSLs creating concern for exposure when the soil leaches to groundwater and groundwater is used for potable water. Concentrations of petroleum constituents have been detected in soil samples above vapor intrusion site-specific screening levels collected from soil boring EB-4, EB-6, EB-7, EB-8, SS-5, SS-8, SS-9, SS-10, MW-4, TB-6/MW-6, TB-8/MW-7, TB-9/MW-8, TB-10/MW-9, TB-11/MW-10, TB-12/MW-11, SB9-09, SB10-09, SB11-09, SVB-2, TB-B, TB-C, UC-1, UC-2, and UC-3. The vapor intrusion site-specific screening levels create an exposure concern for workers when the soil is disturbed during construction. Also, if a building is installed in these areas, the vapors can create issues for the occupants of the building. Concentrations of petroleum constituents have been detected in soil samples collected from soil borings EB-4, EB-6, EB-7, EB-8, MW-4, SB 9-09, SB 10-09, SB 11-09, SS-9, SVB-2, TB-B, TB-C, TB-D, UC-1, and UC-2. Concentrations in EB-4, EB-6, EB-7, EB-8, SB 9-09, SB 10-09, SB 11-09, SS-9, SVB-2, TB-B, TB-C, TB-D, UC-1, and UC-22 are greater than the EGLE Direct Contact Risk-Based Screening Level (RBSL) creating a concern for any disruption of the soils during any excavation with construction workers. The potential extent of petroleum impacted soil is displayed on attached Figures 1 through 8.

Groundwater samples collected from monitoring wells MW-3, MW-4, MW-5, MW-9, MW-10, MW-11, MW-20, MW-21, and MW-22 contained concentrations of petroleum constituents greater than Drinking Water and/or Groundwater Surface Water Interface RBSLs, creating a concern for exposure when the groundwater is used for potable water. The general groundwater flow direction at the site is to the west/northwest. The nearest drinking water well is located upgradient, approximately 0.5 miles east, of the site. The site and surrounding properties are connected to municipal water supply provided by the City of Detroit Water and Sewerage Department. In addition, groundwater beneath the site satisfies the EGLE guidelines for determining groundwater not in aquifer conditions; therefore, the potable water use exposure pathway is not a concern. The concern for Groundwater Surface Water Interface RBSL is creating a concern for exposure to the storm sewers; however, the storm and sanitary sewers are combined that discharges at a wastewater treatment plant and there are no surface water bodies in the vicinity; therefore, the Groundwater Surface Water Interface exposure pathway is not a concern.

Dewatering of the ROW for construction work in the affected area must be treated to be discharged under an EGLE's National Pollutant Discharge Elimination System (NPDES) permit.

SECTION 3. STORM SEWER SYSTEM CERTIFICATION:

Is contamination present in or does the contamination have the potential to enter the storm sewer system (including separate storm sewer systems and combined sewers) as a result of the release from the underground storage tank system:


YES NO

If yes, please provide information below and attach any drawings, tables, etc. that clearly identifies the nature and extent of the contamination that enters or has the potential to enter the storm sewer system.

There are storm sewers that run under Chalmers Avenue, Hayes Street, Evanston Street, have depths of 11-46 feet bgs which is below the impacted soil zone. The construction of the storm sewer lines are assumed to be concrete; however, due to the clean groundwater samples collected on both sides of the roads it is believed the soil contamination is not leaching into the groundwater. Former on-site monitoring well MW-5 contained concentrations above Groundwater Surface Water Interface RBSL and was screened from 9 feet bgs to 11 feet bgs; however, MW-5I was installed with screen interval of 12 feet bgs to 18 feet bgs and did not contain concentrations above Groundwater Surface Water Interface RBSL. Therefore, impacted groundwater is not infiltrating into the Municipal Separate Storm Sewer System (MS4).

SECTION 4. SUBMITTER INFORMATION:

I, as the submitter identified in Section 1, or the qualified consultant authorized to complete this document on the submitter's behalf, hereby attest to the accuracy of the statements in this document and all attachments, and have provided this document to the county road commission or local unit of government.

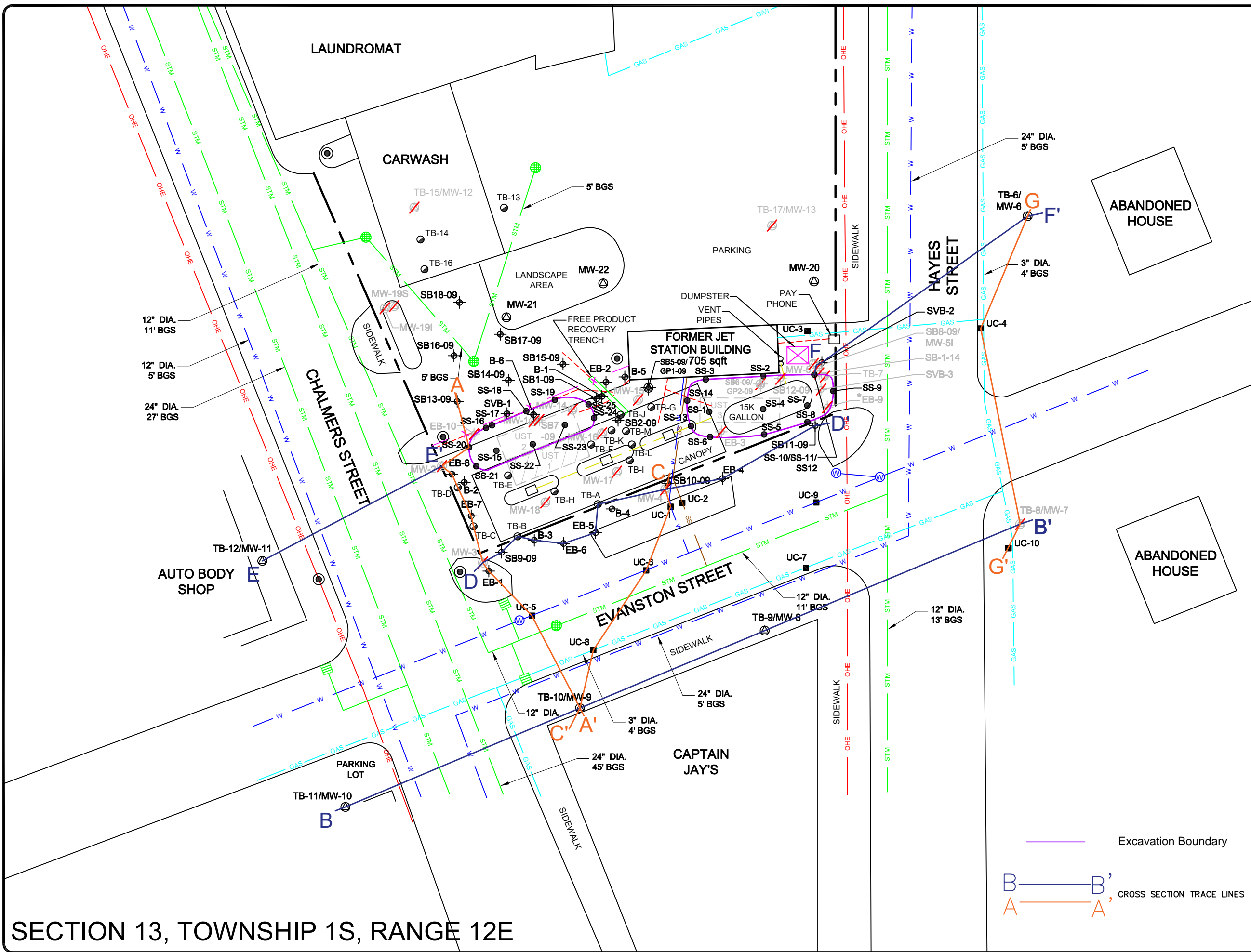
Signature	Print	Date
	Laura Sleeper	5/22/22
Name of Company (if applicable)	Address, City, State, Zip	
Atlas Technical	46555 Humboldt Drive, STE 100 Novi, MI 48377	
Phone Number	Fax Number	Email Address
248-669-5140	248-669-5147	Laura.sleeper@oneatlas.com

SECTION 5. COUNTY ROAD COMMISSION OR LOCAL UNIT OF GOVERNMENT CONFIRMATION:

Name of county road commission or local unit of government: City of Detroit Department of Public Services

The aforementioned City of Detroit hereby confirms that there are no current plans to relocate, vacate, or abandon the public highway. With my signature below, I certify that I am legally authorized to sign on behalf of City of Detroit.

Signature of Authorized Official	Print Authorized Official	
	Richard Doherty	
Title of Authorized Official	Date	
City Engineer	05/11/2023	
Name of county road commission or local unit of government	Address, City, State, Zip	
City of Detroit - DPW/CED	2 Woodward Ave, Detroit, MI 48226	
Phone Number	Fax Number	Email Address
313-224-3955	313-224-2471	dohertyri@detroitmi.gov



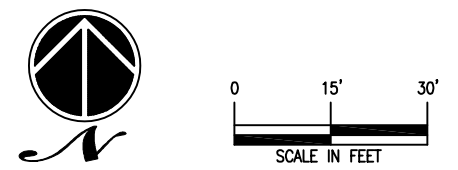
LEGEND

- MONITORING WELL
- ABANDONED/ DESTROYED MONITORING WELL
- CATCH BASIN/MANHOLE
- LIGHT/ UTILITY POLE
- WATER MAN HOLE
- PROPERTY LINE
- COMBINED SANITARY/ STORM SEWER LINE
- WATER LINE
- GAS LINE
- SANITARY SEWER LINE
- OVERHEAD ELECTRICAL LINE
- UNDERGROUND ELECTRICAL LINE
- PRODUCT LINE
- FENCE LINE
- DISPENSER/ DISPENSER ISLAND
- FORMER FEATURES
- FORMER UST CLOSED IN PLACE

DIA. - DIAMETER
 BGS - DEPTH BELOW GROUND SURFACE

FORMER USTs
 1 - 8,000 GALLON UNLEADED MID RANGE GASOLINE
 2 - 8,000 GALLON UNLEADED REGULAR GASOLINE
 3 - 10,000 GALLON UNLEADED REGULAR GASOLINE

CURRENT UST
 15,000 GALLON UNLEADED GASOLINE
 (DUAL COMPARTMENT WITH 12,000 GALLONS REGULAR AND 3,000 GALLONS PREMIUM)



ATLAS

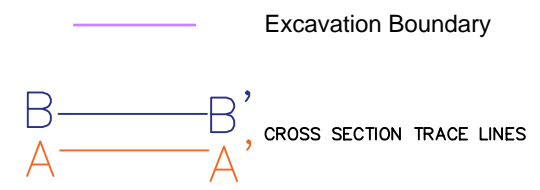
46555 HUMBOLDT DRIVE, SUITE 100
 NOVI, MI 48377
 PH: 248-669-5140
 FAX: 248-669-5147
 WEB SITE: WWW.ONEATLAS.COM

DATE: 8/17/18	PROJECT NO.: 188P618002
DRAWN BY: LJH	SCALE: 1" = 30'
REVIEWED BY: LS	FIGURE 1

PHIC CROSS SECTION TRACE MAP

FORMER JET STORE #22008
 PHILLIPS 66 RM&R #6239
 9100 CHALMERS STREET
 DETROIT, MICHIGAN

SECTION 13, TOWNSHIP 1S, RANGE 12E

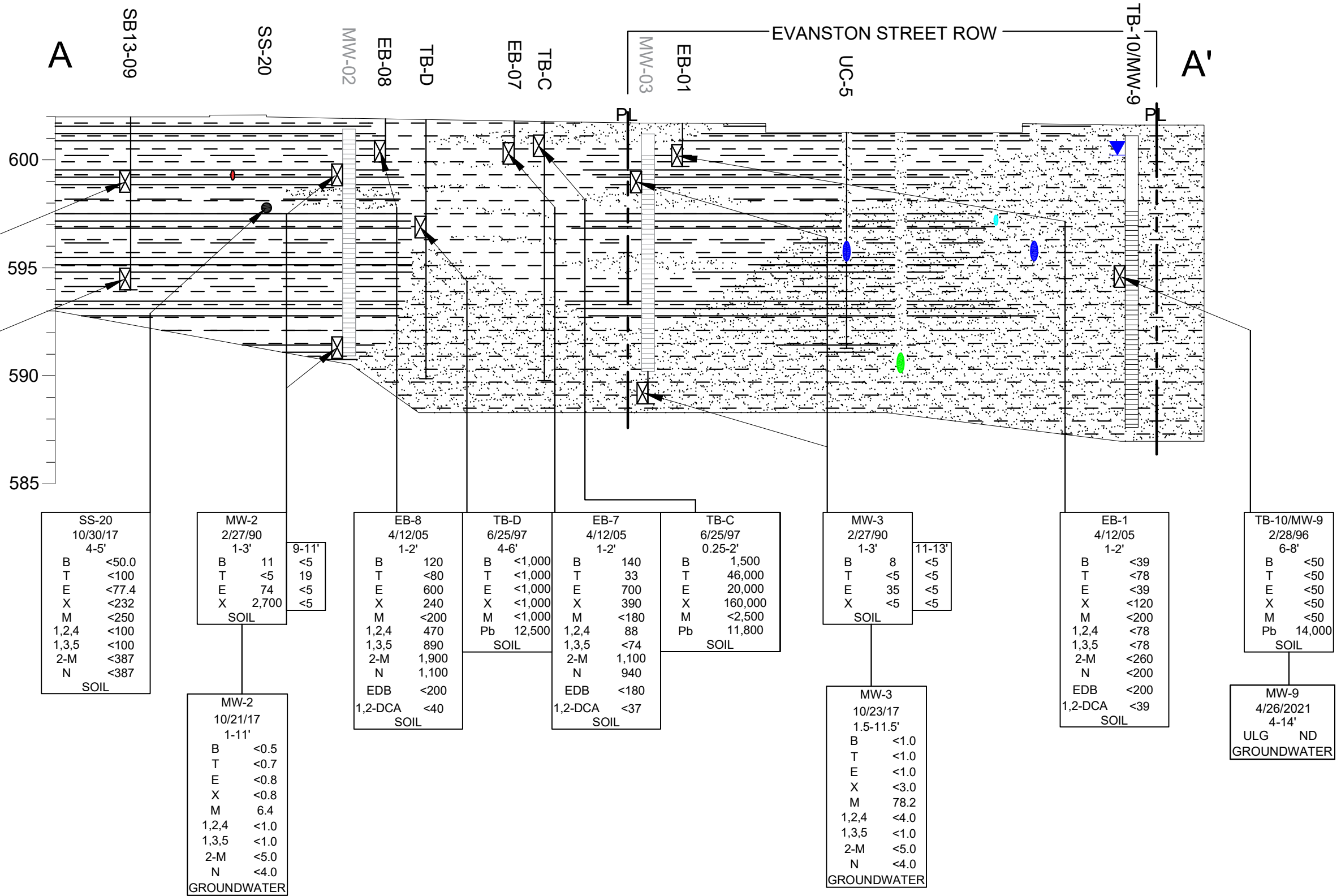


GROUNDWATER

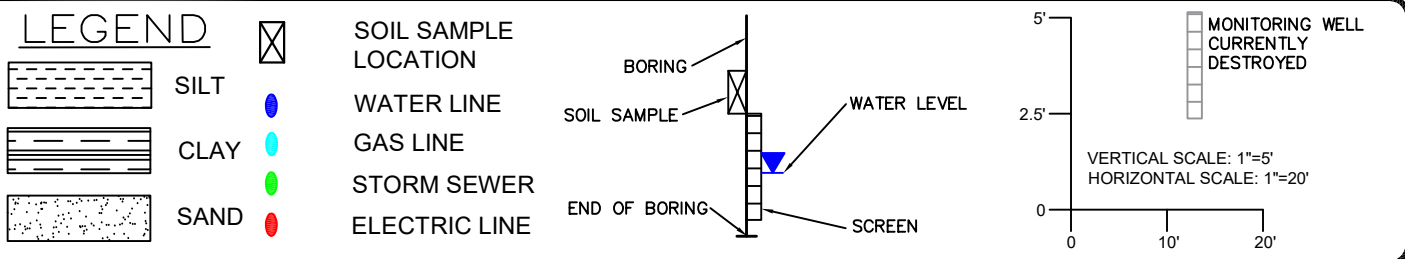
- VOLATILES (VOCs)**
 SAMPLE LOCATION
 SAMPLE DATE
 DEPTH BELOW GRADE
- B BENZENE (µg/L)
 T TOLUENE (µg/L)
 E ETHYLBENZENE (µg/L)
 X XYLENES (µg/L)
 M MTBE (µg/L)
 1,2,4 1,2,4-TMB (µg/L)
 1,3,5 1,3,5-TMB (µg/L)
 2-M 2-METHYLNAPHTHALENE (µg/L)
 N NAPHTHALENE (µg/L)
 ND NOT DETECTED

- SOIL**
 VOLATILES (VOCs)
 SAMPLE LOCATION
 SAMPLE DATE
 DEPTH BELOW GRADE
- B BENZENE (µg/Kg)
 T TOLUENE (µg/Kg)
 E ETHYLBENZENE (µg/Kg)
 X XYLENES (µg/Kg)
 M MTBE (µg/Kg)
 1,2,4 1,2,4-TMB (µg/Kg)
 1,3,5 1,3,5-TMB (µg/Kg)
 2-M 2-METHYLNAPHTHALENE (µg/Kg)
 N NAPHTHALENE (µg/Kg)
 EDB 1,2 DIBROMOETHANE (µg/Kg)
 1,2 DCA 1,2 DICHLOROETHANE (µg/Kg)
 GRO GASOLINE RANGE ORGANICS (mg/Kg)
 Pb LEAD (µg/Kg)
 ND NOT DETECTED
 NS NOT SAMPLED

NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED



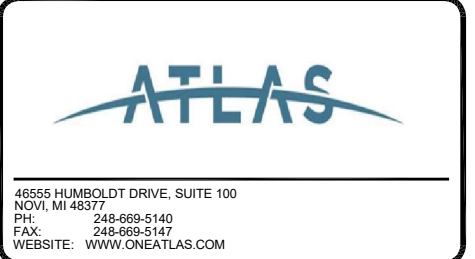
SECTION 13, TOWNSHIP 1S, RANGE 12E

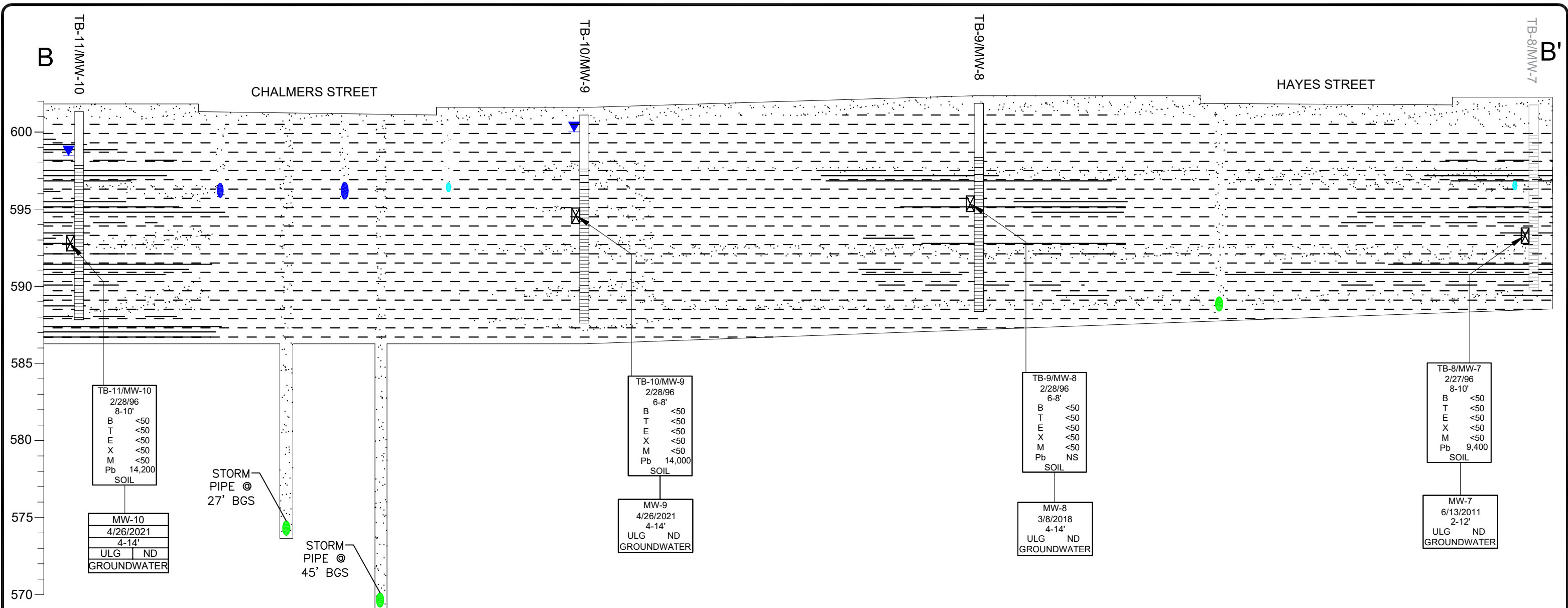


CROSS SECTION A-A' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
 PHILLIPS 66 RM&R #6239
 9100 CHALMERS STREET
 DETROIT, MICHIGAN

DATE: 11/10/2021
 PROJECT NO.: -
 DRAWN BY: JBS
 SCALE: AS SHOWN
 REVIEWED BY: LS
FIGURE 2





SECTION 13, TOWNSHIP 1S, RANGE 12E

NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED

GROUNDWATER		SOIL	
VOLATILES (VOCs)		VOLATILES (VOCs)	
SAMPLE LOCATION	DEPTH BELOW GRADE	SAMPLE LOCATION	DEPTH BELOW GRADE
B	BENZENE (µg/L)	B	BENZENE (µg/Kg)
T	TOLUENE (µg/L)	T	TOLUENE (µg/Kg)
E	ETHYLBENZENE (µg/L)	E	ETHYLBENZENE (µg/Kg)
X	XYLENES (µg/L)	X	XYLENES (µg/Kg)
M	MTBE (µg/L)	M	MTBE (µg/Kg)
1,2,4	1,2,4-TMB (µg/L)	1,2,4	1,2,4-TMB (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	1,3,5	1,3,5-TMB (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	2-M	2-METHYLNAPHTHALENE (µg/Kg)
N	NAPHTHALENE (µg/L)	N	NAPHTHALENE (µg/Kg)
EDB	1,2 DIBROMOETHANE (µg/L)	EDB	1,2 DIBROMOETHANE (µg/Kg)
1,2 DCA	1,2 DICHLOROETHANE (µg/L)	1,2 DCA	1,2 DICHLOROETHANE (µg/Kg)
GRO	GASOLINE RANGE ORGANICS (mg/Kg)	GRO	GASOLINE RANGE ORGANICS (mg/Kg)
Pb	LEAD (µg/Kg)	Pb	LEAD (µg/Kg)
ND	NOT DETECTED	ND	NOT DETECTED
NS	NOT SAMPLED	NS	NOT SAMPLED

LEGEND

- SILT
- SILTY CLAY
- SAND
- SOIL SAMPLE LOCATION
- WATER LINE
- GAS LINE
- STORM SEWER
- ELECTRIC LINE

MONITORING WELL CURRENTLY DESTROYED

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=20'

CROSS SECTION B-B' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
PHILLIPS 66 RM&R #6239
9100 CHALMERS STREET
DETROIT, MICHIGAN

DATE: 11/10/2021

PROJECT NO.: -

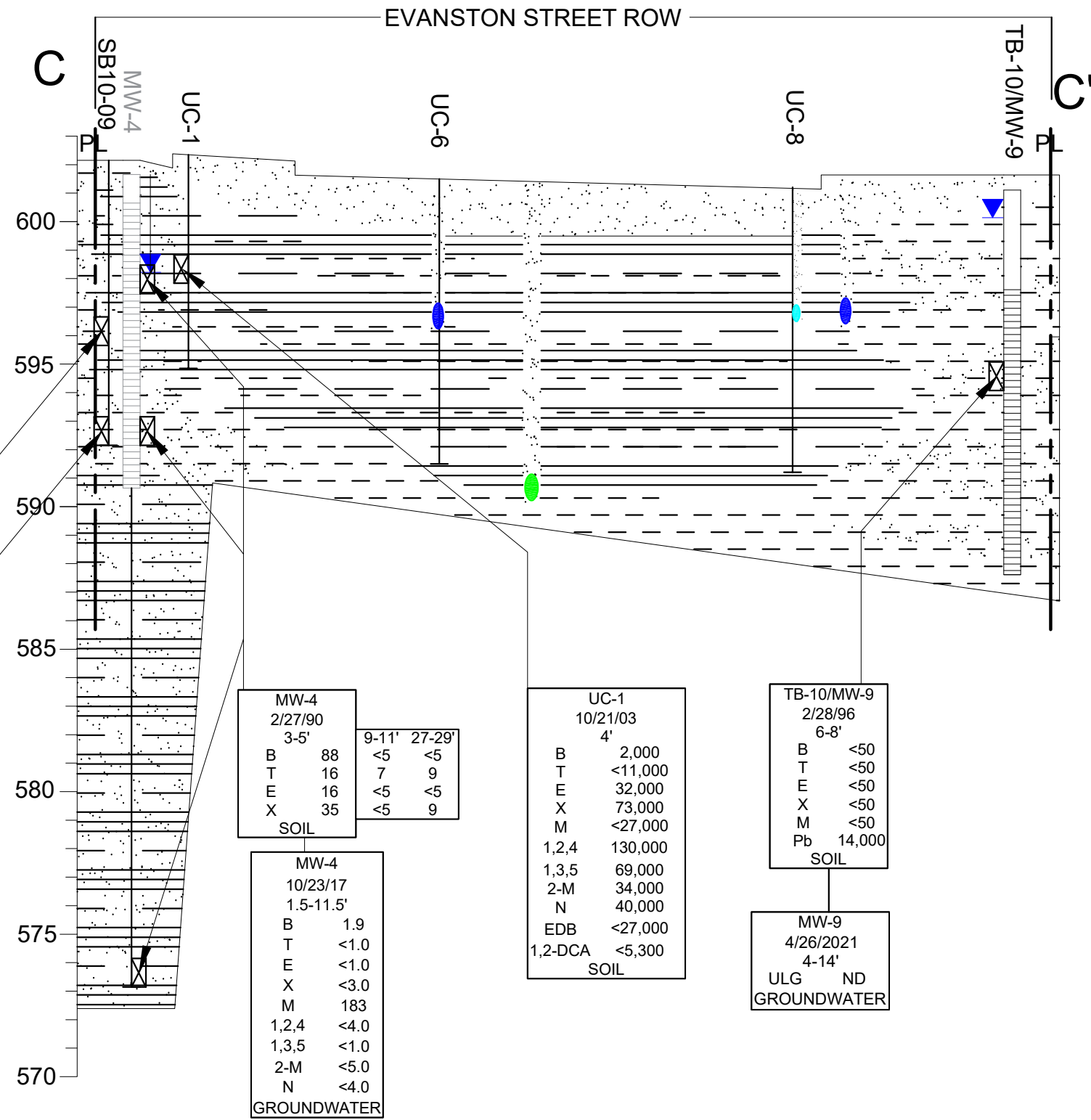
DRAWN BY: JBS

SCALE: AS SHOWN

REVIEWED BY: LS

FIGURE 3

46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
PH: 248-669-5140
FAX: 248-669-5147
WEBSITE: WWW.ONEATLAS.COM



GROUNDWATER		SOIL	
VOLATILES (VOCs)		VOLATILES (VOCs)	
SAMPLE LOCATION	DEPTH BELOW GRADE	SAMPLE LOCATION	DEPTH BELOW GRADE
B	BENZENE (µg/L)	B	BENZENE (µg/Kg)
T	TOLUENE (µg/L)	T	TOLUENE (µg/Kg)
E	ETHYLBENZENE (µg/L)	E	ETHYLBENZENE (µg/Kg)
X	XYLENES (µg/L)	X	XYLENES (µg/Kg)
M	MTBE (µg/L)	M	MTBE (µg/Kg)
1,2,4	1,2,4-TMB (µg/L)	1,2,4	1,2,4-TMB (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	1,3,5	1,3,5-TMB (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	2-M	2-METHYLNAPHTHALENE (µg/Kg)
N	NAPHTHALENE (µg/L)	N	NAPHTHALENE (µg/Kg)
EDB	1,2 DIBROMOETHANE (µg/L)	EDB	1,2 DIBROMOETHANE (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	1,2 DCA	1,2 DICHLOROETHANE (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	GRO	GASOLINE RANGE ORGANICS (µg/Kg)
N	NAPHTHALENE (µg/L)	Pb	LEAD (µg/Kg)
ND	NOT DETECTED	ND	NOT DETECTED
		NS	NOT SAMPLED

NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED

SB10-09		8-10'
6/17/09		
5-7'		
B	930	<0.2
T	<46	<0.3
E	<46	<0.3
X	58	<0.3
M	140	0.2
1,2,4	<92	<0.6
1,3,5	<46	<0.3
2-M	<46	<0.3
N	94	<0.3
EDB	<46	<0.3
1,2-DCA	<46	<0.3
GRO	15,000	700
SOIL		

MW-4		9-11'	27-29'
2/27/90			
3-5'			
B	88	<5	<5
T	16	7	9
E	16	<5	<5
X	35	<5	9
SOIL			

UC-1		4'
10/21/03		
B	2,000	
T	<11,000	
E	32,000	
X	73,000	
M	<27,000	
1,2,4	130,000	
1,3,5	69,000	
2-M	34,000	
N	40,000	
EDB	<27,000	
1,2-DCA	<5,300	
SOIL		

TB-10/MW-9		6-8'
2/28/96		
B	<50	
T	<50	
E	<50	
X	<50	
M	<50	
Pb	14,000	
SOIL		

MW-4		1.5-11.5'
10/23/17		
B	1.9	
T	<1.0	
E	<1.0	
X	<3.0	
M	183	
1,2,4	<4.0	
1,3,5	<1.0	
2-M	<5.0	
N	<4.0	
GROUNDWATER		

MW-9		4-14'
4/26/2021		
ULG	ND	
GROUNDWATER		

SECTION 13, TOWNSHIP 1S, RANGE 12E

LEGEND

- SOIL SAMPLE LOCATION
- WATER LINE
- GAS LINE
- STORM SEWER
- ELECTRIC LINE
- SILT
- SILTY CLAY
- SAND

MONITORING WELL CURRENTLY DESTROYED

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=20'

CROSS SECTION C-C' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
PHILLIPS 66 RM&R #6239
9100 CHALMERS STREET
DETROIT, MICHIGAN

DATE: 11/10/2021

PROJECT NO.: -

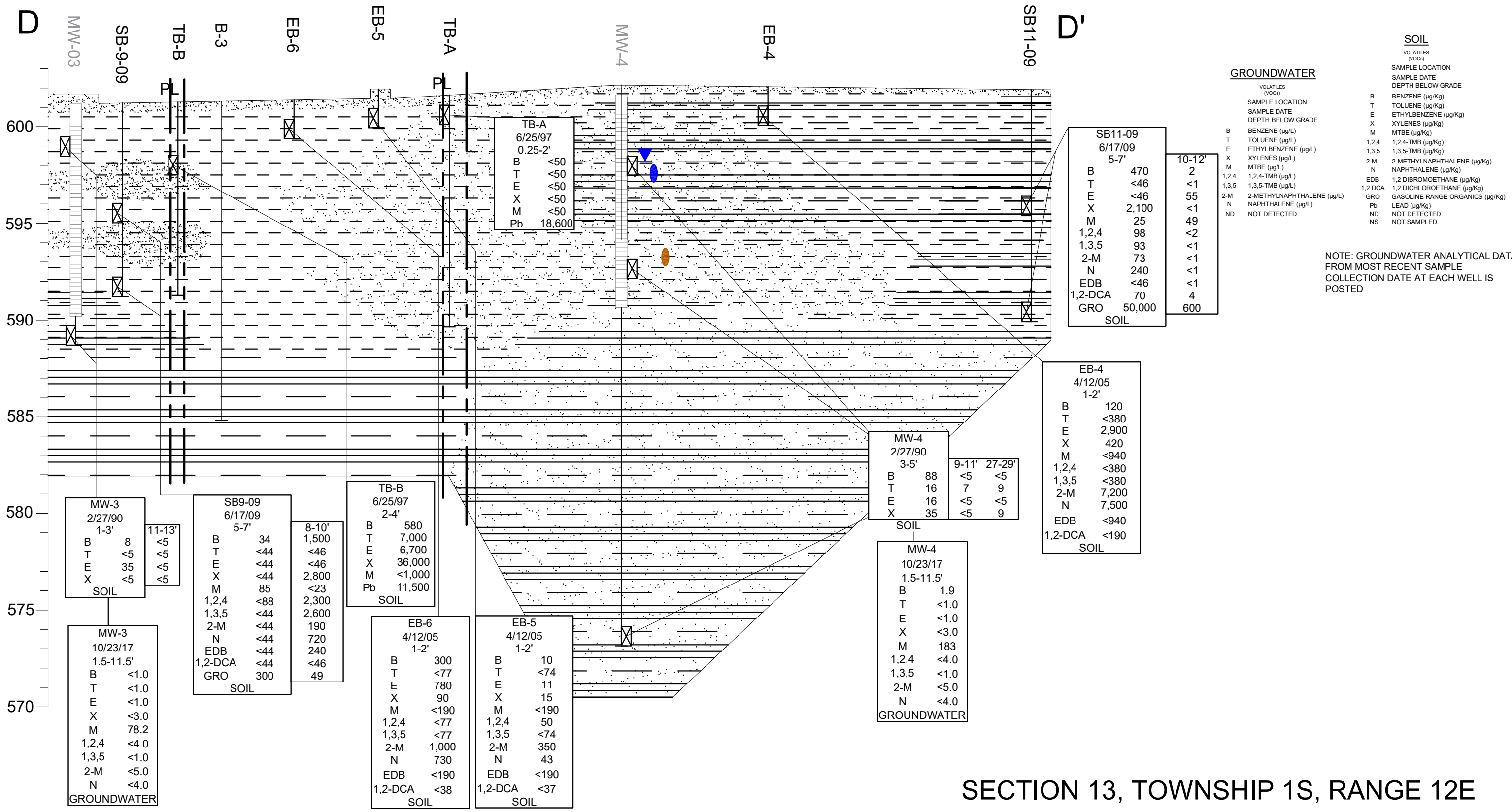
DRAWN BY: JBS

SCALE: AS SHOWN

REVIEWED BY: LS

FIGURE 4

46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
PH: 248-669-5140
FAX: 248-669-5147
WEBSITE: WWW.ONEATLAS.COM



SOIL

VOLATILES (VOCs)

SAMPLE LOCATION

SAMPLE DATE

DEPTH BELOW GRADE

B BENZENE (µg/Kg)

T TOLUENE (µg/Kg)

E ETHYLBENZENE (µg/Kg)

X XYLENES (µg/Kg)

M MTBE (µg/Kg)

1,2,4 1,2,4-TMB (µg/Kg)

1,3,5 1,3,5-TMB (µg/Kg)

2-M 2-METHYLNAPHTHALENE (µg/Kg)

N NAPHTHALENE (µg/Kg)

EDB 1,2-DIBROMOETHANE (µg/Kg)

1,2 DCA 1,2-DICHLOROETHANE (µg/Kg)

GRO GASOLINE RANGE ORGANICS (µg/Kg)

Pb LEAD (µg/Kg)

ND NOT DETECTED

NS NOT SAMPLED

NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED

SECTION 13, TOWNSHIP 1S, RANGE 12E

LEGEND

- SOIL SAMPLE LOCATION
- WATER LINE
- GAS LINE
- STORM SEWER
- ELECTRIC LINE
- SILT
- SILTY CLAY
- SAND
- BORING
- SOIL SAMPLE
- END OF BORING
- WATER LEVEL
- GAS LINE
- SCREEN
- MONITORING WELL CURRENTLY DESTROYED

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=20'

CROSS SECTION D-D' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
PHILLIPS 66 RM&R #6239
9100 CHALMERS STREET
DETROIT, MICHIGAN

DATE: 11/10/2021

PROJECT NO: -

DRAWN BY: JBS

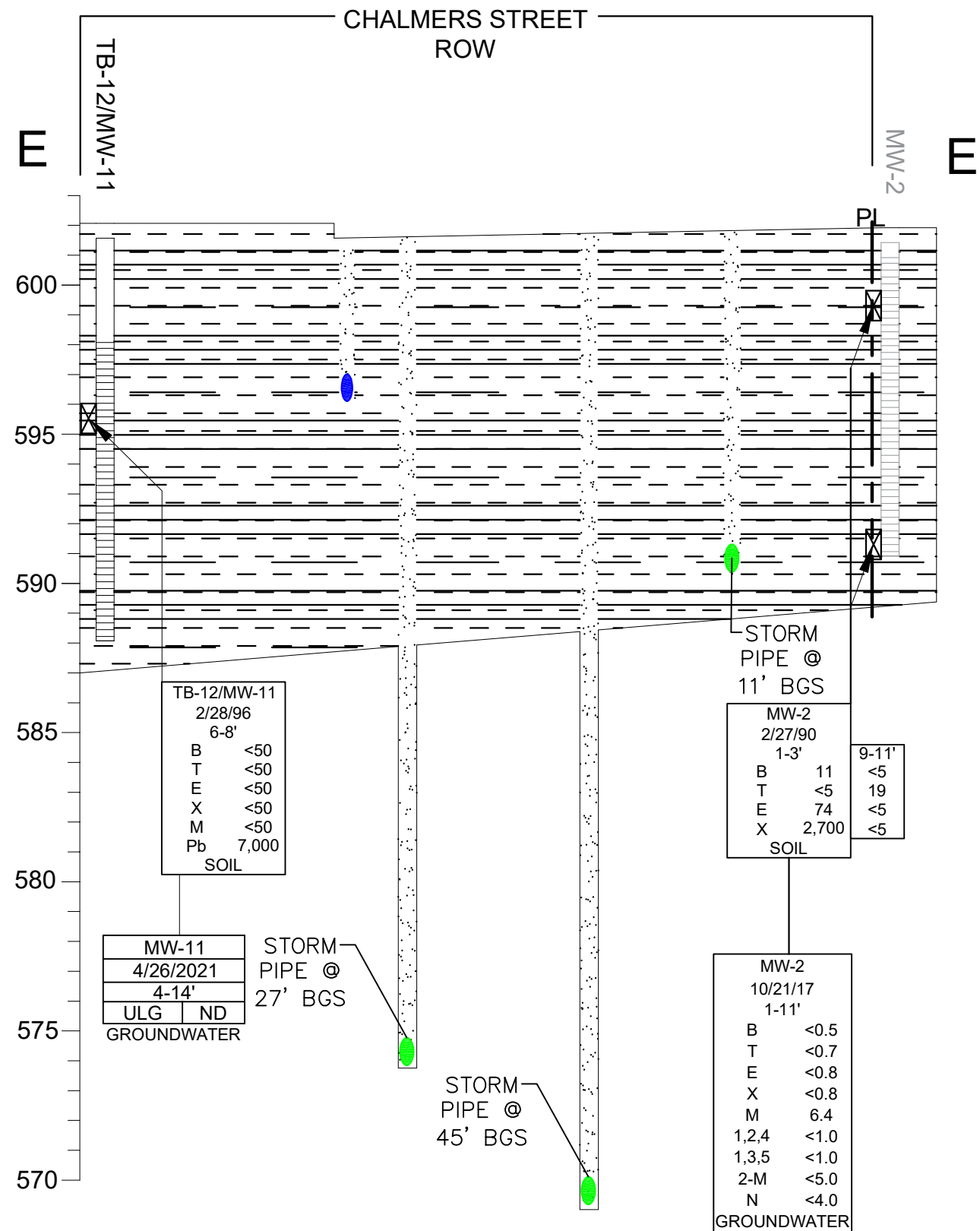
SCALE: AS SHOWN

REVIEWED BY: LS

FIGURE 5

ATLAS

46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
PH: 248-669-5140
FAX: 248-669-5147
WEBSITE: WWW.ONEATLAS.COM



GROUNDWATER		SOIL	
VOLATILES (VOCs)		VOLATILES (VOCs)	
SAMPLE LOCATION	DEPTH BELOW GRADE	SAMPLE LOCATION	DEPTH BELOW GRADE
B	BENZENE (µg/L)	B	BENZENE (µg/Kg)
T	TOLUENE (µg/L)	T	TOLUENE (µg/Kg)
E	ETHYLBENZENE (µg/L)	E	ETHYLBENZENE (µg/Kg)
X	XYLENES (µg/L)	X	XYLENES (µg/Kg)
M	MTBE (µg/L)	M	MTBE (µg/Kg)
1,2,4	1,2,4-TMB (µg/L)	1,2,4	1,2,4-TMB (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	1,3,5	1,3,5-TMB (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	2-M	2-METHYLNAPHTHALENE (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	N	NAPHTHALENE (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	EDB	1,2 DIBROMOETHANE (µg/Kg)
N	NAPHTHALENE (µg/L)	1,2 DCA	1,2 DICHLOROETHANE (µg/Kg)
ND	NOT DETECTED	GRO	GASOLINE RANGE ORGANICS (µg/Kg)
		Pb	LEAD (µg/Kg)
		ND	NOT DETECTED
		NS	NOT SAMPLED

NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED

SECTION 13, TOWNSHIP 1S, RANGE 12E

LEGEND

- SOIL SAMPLE LOCATION
- WATER LINE
- GAS LINE
- STORM SEWER
- ELECTRIC LINE
- SILT
- SILTY CLAY
- SAND
- BORING
- SOIL SAMPLE
- WATER LEVEL
- END OF BORING
- SCREEN
- MONITORING WELL CURRENTLY DESTROYED

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=20'

CROSS SECTION E-E' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
PHILLIPS 66 RM&R #6239
9100 CHALMERS STREET
DETROIT, MICHIGAN

DATE: 11/10/2021

PROJECT NO.: -

DRAWN BY: JBS

SCALE: AS SHOWN

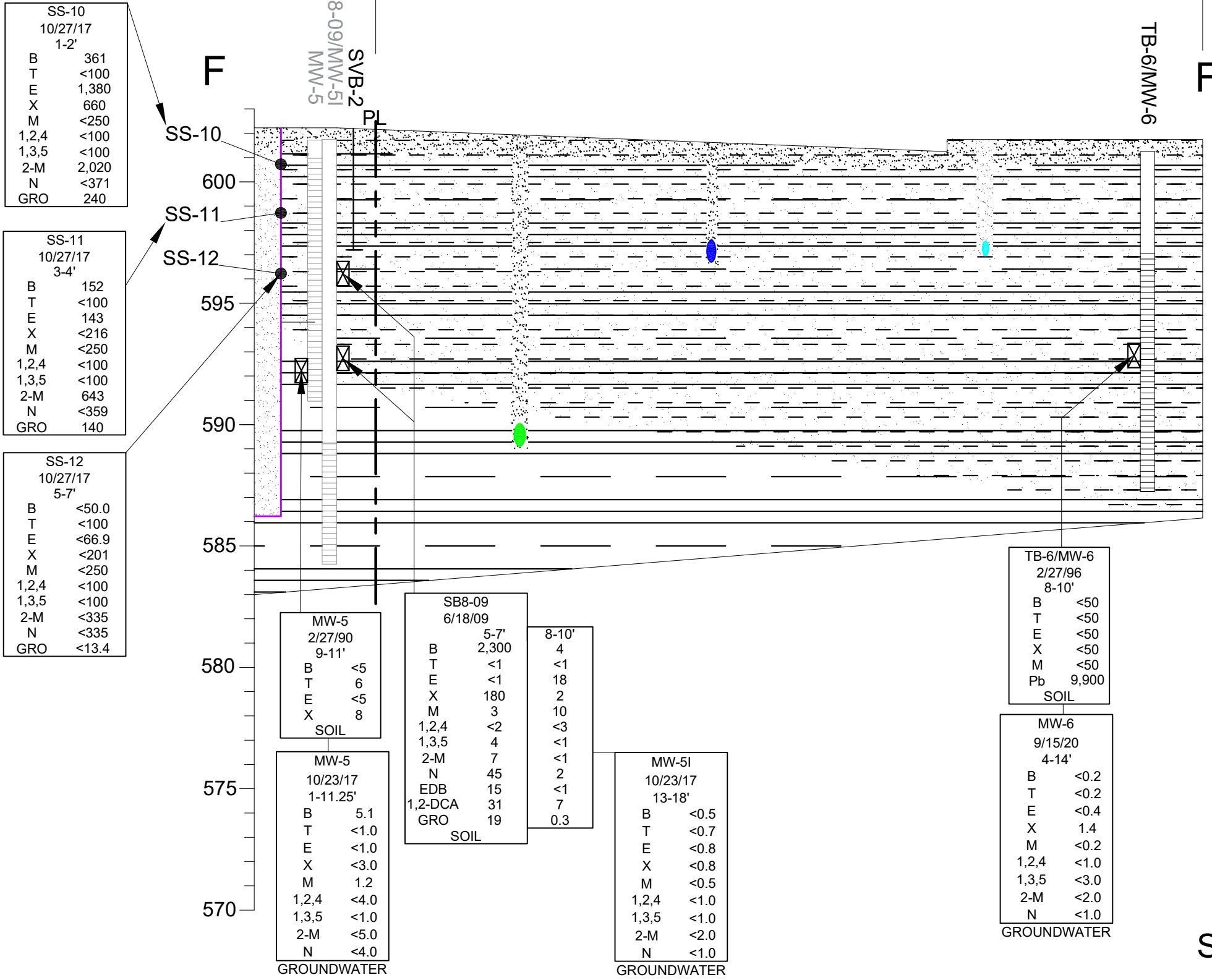
REVIEWED BY: LS

FIGURE 6

ATLAS

46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
PH: 248-669-5140
FAX: 248-669-5147
WEBSITE: WWW.ONEATLAS.COM

HAYES STREET ROW



GROUNDWATER		SOIL	
VOLATILES (VOCs)		VOLATILES (VOCs)	
SAMPLE LOCATION	DEPTH BELOW GRADE	SAMPLE LOCATION	DEPTH BELOW GRADE
B	BENZENE (µg/L)	B	BENZENE (µg/Kg)
T	TOLUENE (µg/L)	T	TOLUENE (µg/Kg)
E	ETHYLBENZENE (µg/L)	E	ETHYLBENZENE (µg/Kg)
X	XYLENES (µg/L)	X	XYLENES (µg/Kg)
M	MTBE (µg/L)	M	MTBE (µg/Kg)
1,2,4	1,2,4-TMB (µg/L)	1,2,4	1,2,4-TMB (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	1,3,5	1,3,5-TMB (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	2-M	2-METHYLNAPHTHALENE (µg/Kg)
N	NAPHTHALENE (µg/L)	N	NAPHTHALENE (µg/Kg)
EDB	1,2-DIBROMOETHANE (µg/L)	EDB	1,2-DIBROMOETHANE (µg/Kg)
1,2 DCA	1,2-DICHLOROETHANE (µg/L)	1,2 DCA	1,2-DICHLOROETHANE (µg/Kg)
GRO	GASOLINE RANGE ORGANICS (µg/L)	GRO	GASOLINE RANGE ORGANICS (µg/Kg)
Pb	LEAD (µg/L)	Pb	LEAD (µg/Kg)
ND	NOT DETECTED	ND	NOT DETECTED
		NS	NOT SAMPLED

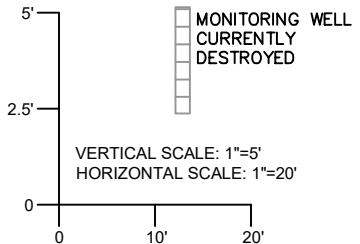
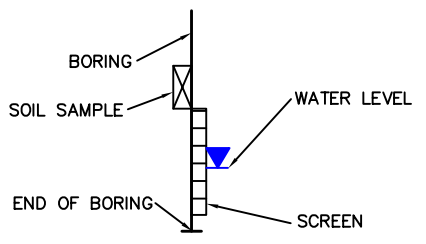
NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED

SECTION 13, TOWNSHIP 1S, RANGE 12E

LEGEND

- SILT
- SILTY CLAY
- SAND

- SOIL SAMPLE LOCATION
- WATER LINE
- GAS LINE
- STORM SEWER
- ELECTRIC LINE



CROSS SECTION F-F' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
 PHILLIPS 66 RM&R #6239
 9100 CHALMERS STREET
 DETROIT, MICHIGAN

DATE:
11/10/2021

PROJECT NO.:
-

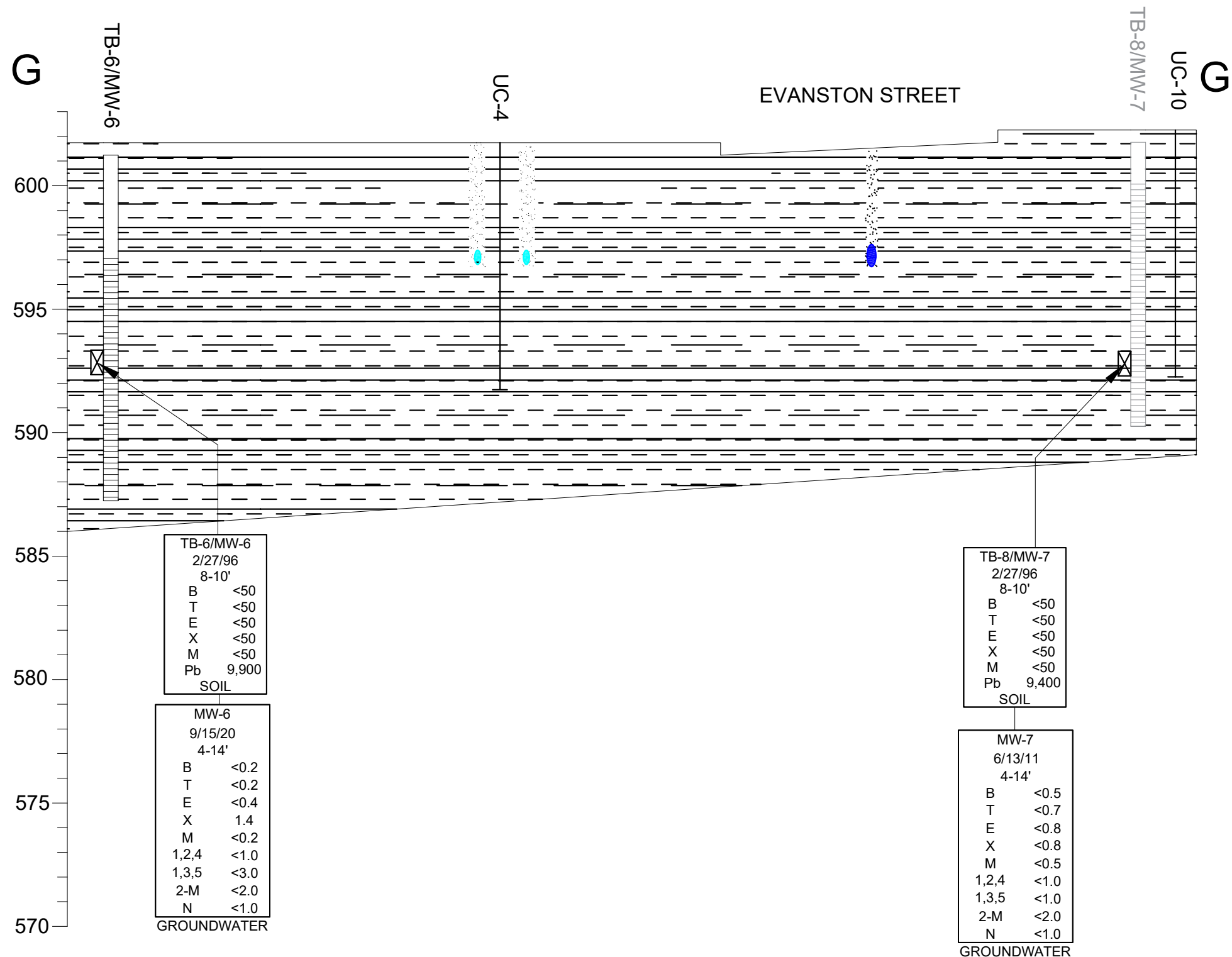
DRAWN BY:
JBS

SCALE:
AS SHOWN

REVIEWED BY:
LS

FIGURE 7

46555 HUMBOLDT DRIVE, SUITE 100
 NOVI, MI 48377
 PH: 248-669-5140
 FAX: 248-669-5147
 WEBSITE: WWW.ONEATLAS.COM



GROUNDWATER		SOIL	
VOLATILES (VOCs)		VOLATILES (VOCs)	
SAMPLE LOCATION	DEPTH BELOW GRADE	SAMPLE LOCATION	DEPTH BELOW GRADE
B	BENZENE (µg/L)	B	BENZENE (µg/Kg)
T	TOLUENE (µg/L)	T	TOLUENE (µg/Kg)
E	ETHYLBENZENE (µg/L)	E	ETHYLBENZENE (µg/Kg)
X	XYLENES (µg/L)	X	XYLENES (µg/Kg)
M	MTBE (µg/L)	M	MTBE (µg/Kg)
1,2,4	1,2,4-TMB (µg/L)	1,2,4	1,2,4-TMB (µg/Kg)
1,3,5	1,3,5-TMB (µg/L)	1,3,5	1,3,5-TMB (µg/Kg)
2-M	2-METHYLNAPHTHALENE (µg/L)	2-M	2-METHYLNAPHTHALENE (µg/Kg)
N	NAPHTHALENE (µg/L)	N	NAPHTHALENE (µg/Kg)
EDB	1,2 DIBROMOETHANE (µg/L)	EDB	1,2 DIBROMOETHANE (µg/Kg)
1,2 DCA	1,2 DICHLOROETHANE (µg/L)	1,2 DCA	1,2 DICHLOROETHANE (µg/Kg)
GRO	GASOLINE RANGE ORGANICS (µg/L)	GRO	GASOLINE RANGE ORGANICS (µg/Kg)
Pb	LEAD (µg/L)	Pb	LEAD (µg/Kg)
ND	NOT DETECTED	ND	NOT DETECTED
		NS	NOT SAMPLED

NOTE: GROUNDWATER ANALYTICAL DATA FROM MOST RECENT SAMPLE COLLECTION DATE AT EACH WELL IS POSTED

SECTION 13, TOWNSHIP 1S, RANGE 12E

LEGEND

- SILT
- SILTY CLAY
- SAND
- SOIL SAMPLE LOCATION
- WATER LINE
- GAS LINE
- STORM SEWER
- ELECTRIC LINE
- BORING
- SOIL SAMPLE
- WATER LEVEL
- END OF BORING
- SCREEN
- MONITORING WELL CURRENTLY DESTROYED

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=20'

CROSS SECTION G-G' WITH ADSORBED & DISSOLVED CONCENTRATIONS

FORMER JET STORE #22008
PHILLIPS 66 RM&R #6239
9100 CHALMERS STREET
DETROIT, MICHIGAN

DATE: 11/10/2021

DRAWN BY: JBS

REVIEWED BY: LS

PROJECT NO.: -

SCALE: AS SHOWN

FIGURE 8

46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
PH: 248-669-5140
FAX: 248-669-5147
WEBSITE: WWW.ONEATLAS.COM