Stonecipher & Clark
Environmental Solutions, LLC

Site Investigation Report

Northeast Auto Accessory
684 Portland Street
St. Johnsbury, Vermont
SMS #20114197

Site Investigation Report
Northeast Auto Accessory
684 Portland Street
St. Johnsbury, Vermont

Prepared For:
RHT&L Partners, LLC
Crosstown Motors
PO Box 409
Littleton, New Hampshire 03561

Prepared By:
Stonecipher & Clark Environmental Solutions, LLC
111 Saranac Street, Studio 15
Littleton, NH 03561

Project# 2015-036
Stonecipher & Clark Environmental Solutions, LLC

STONECIPHER & CLARK ENVIRONMENTAL SOLUTIONS, LLC
111 Saranac Street, Studio 15, Littleton, NH 03561 603.575.5154 www.stoneciphersandclark.com

Project: 2015-036

August 30, 2015

Mr. Tim Cropley
Hazardous Materials Specialist
Agency of Natural Resources, Waste Management Division
103 South Main Street/West Building
Waterbury, VT 05671-0404

Subject: Site Investigation Report – Northeast Auto Accessory, 684 Portland Street, St. Johnsbury, Vermont **SMS #20114197**

Dear Mr. Cropley:

Stonecipher & Clark Environmental Solutions, LLC, (S&C) has completed a Site Investigation at the 684 Portland Street Property located in St. Johnsbury, VT (the "Site") per the requirements of the State of VT Agency of Natural Resources, Department of Environmental Conservation (VTDEC) letter dated May 28, 2015 and subsequent approved workplan dated June 12, 2015. This report summarizes our field and research methods, results, and recommendations. As part of this assessment, five soil borings were documented and two monitoring wells installed in an effort to assess potential soils and groundwater impacts to the Site associated with one former gasoline underground storage tank (UST).

Soil boring and monitoring well locations (MW-7-15 and MW-8-15) were chosen by S&C and approved by the VTANR prior to installation. Soil samples were not collected. The Site location is shown on the Site Locus Map which is appended to this report. An aerial photo, which has also been provided, shows the approximate current configuration of the Site. Photos of the Site are included.

1.0 Site Description/History

Contamination was found at the Site when two-1,000 gallon #2 fuel oil tanks were removed from the Site in 2011. During further investigation, one 500-gallon tank was also found at the Site and removed. In May 2013, two new monitoring wells labeled MW-5-13 and MW-6-13 were installed (in addition to the previously installed monitoring wells MW-1, MW-2, MW-3, and MW-4). At this time, two recovery wells (RW-1-13 and RW-2-13) were also installed to be used for free product recovery.

The Site consists of one lot of record referred to as St. Johnsbury Tax ID 027-001-044-000. The Site contains approximately 1.29 acres and is operated by RHTL

Partners LLC, as L&T Auto. The Site was purchased by the current owner in 2004.

The Site is located on the south side of Portland Street.

Lafayette Street abuts the Site to the south.. The abutting property to the east is DG Roofing. The abutting property to the west is a commercial property referred to as Coles. Portland Street followed by a commercial property owned by Steven Dolgin abuts the Site to the north, as does Green Mountain Electric.

Topography in the vicinity slopes from the south towards the north. Surface water runoff on the Site flows northerly toward the Moose River.

The subject Site, as well as neighboring properties, are connected to municipal water and sewer.

2.0 Field Methods

On July 23, 2015 S&C observed the drilling of five soil borings and installation of two monitoring wells at the Site. Both wells were located north/northeast of the Site structure and south of Portland Street. The installation of the two wells was performed by Eastern Analytical, Inc. of Concord, New Hampshire utilizing a track mounted drill rig. The monitoring well locations were selected in an effort to assess the extent of gasoline related impacts on the northeastern portion of the Site. The monitoring well locations were selected by S&C personnel and approved by the VTANR prior to installation. The locations of the monitoring wells are shown on the attached Site Plan.

Field screening was performed during installation of both monitoring wells and advancement of all soil borings. Materials largely consisted of brown or grey fine to coarse sands with some cobbles in the first five feet (see attached soil boring and mintoring well logs) at all soil borings, and some brown with mostly grey fine sands and cobbles, some silt in the following five feet. A 2-3" clay layer was noted in the sample taken from SB5 from 5-10'. Materials in the 10-15' section consisted of mostly grey, yet some brown fine to coarse sands and cobbles. Groundwater was encountered between five and ten feet below grade across the Site.

Soil samples were obtained from each split spoon sample and field screened for the presence of Volatile Organic Compounds (VOCs) with a Photo Ionization Detector (PID), Mini-Rae 2000. The results from this field screening and a description of the soils are indicated on the Soil Boring Logs which are attached to this report. PID readings ranged from 0.6 ppm to 823 ppm.

Groundwater samples were collected on August 13, 2015. A water level meter was utilized to measure depth to groundwater in both wells prior to sampling. The new wells were developed prior to sampling and were purged of approximately three well volumes of water and allowed to recharge prior to collection of the groundwater sample. Samples were collected from the following locations: MW-7-15 and MW-8-15. Samples collected were analyzed for EPA Method 8021B. Groundwater was encountered at an average of 4.7 feet below grade during monitoring well sampling.

3.0 Results

3.1 Soil

Soils observed during the advancement of soil borings and monitoring wells consisted primarily of brown or grey fine to coarse sands with some cobbles in the first five feet (see attached soil boring and mintoring well logs) at all soil borings, and some brown with mostly grey fine sands and cobbles, some silt in the following five feet. A 2-3" clay layer was noted in the sample taken from SB5 from 5-10'. Materials in the 10-15' section consisted of mostly grey, yet some brown fine to coarse sands and cobbles. The sample retrieved from SB-2 exhibited a gas smell from 3.4-3.5 feet.

Groundwater was encountered between five and ten feet below grade across the Site. PID readings ranged from 0.6 ppm to 823 ppm. The following soil boring locations had PID readings at greater than 10 ppm reflecting remaining soil impacts: SB-1 (385 ppm average @ 5-10', 23 ppm average 10-10.3'), SB-2 (779 ppm average @ 0-5', 633 ppm average @ 5-10', and 39 ppm average @ 10-13'), SB-3 (248 ppm average @ 0-5', 422 ppm average @ 5-10', 342 ppm average @ 10-15', and 176 ppm average @ 15-17.1'), SB-4 (106 ppm average @ 0-5', 543 ppm average @ 5-10', and 82 ppm average @ 10-12.8'), and SB-5 (15.2 ppm average @ 0-5'). Soil borings were advanced until PID concentrations revealed <5 ppm, with the exception of SB-2 with a reading of 16.2 ppm at 11.5'.

Soil samples were not submitted for laboratory analysis yet based on soil boring results (PID Concentrations) it appears that an area approximately 50 feet by 30 feet to an average depth of 11 feet below grade of impacted soils remain on the Site within the vicinity of SB-1/MW-7-15 and SB-2/MW-8-15.

3.2 Groundwater

The following wells had exceedances of the Vermont DEC Groundwater Quality Enforcement Standards for one or more constituents analyzed: MW-7-15 (Benzene, Toluene, Ethylbenzene, Total Xylenes, 1,3,5 Trimethylbenzene, 1,2,4 Trimethylbenzene) and MW-8-15 (Ethylbenzene, Total Xylenes, 1,3,5 Trimethylbenzene, 1,2,4 Trimethylbenzene, and Naphthalene).

Please note that due to the high range of compounds analyzed, a dilution factor of 1,000 was used in analysis of the sample obtained from MW-7-15. As a result, lower level componenents, specifically MTbE and Naphthalene, are unable to be determined if the levels are above or below VTDEC standards. Similarly, a dilution factor of 10 was used in analysis of the sample obtained from MW-8-15, masking the actual benzene level.

Groundwater depths were not measured at all site wells during this phase of the site investigation. Groundwater depths will be measured at all site wells during the upcoming

Fall 2015 sampling round. Spring 2015 groundwater data indicated groundwater direction to be flowing to the north/northwest at the site.

4.0 Conclusions

Two monitoring wells were installed at the subject Site on July 23, 2015. Locations were approved by the VTANR prior to installation.

Soils observed during the advancement of soil borings and monitoring wells consisted primarily of brown or grey fine to coarse sands with some cobbles in the first five feet (see attached soil boring and mintoring well logs) at all soil borings, and some brown with mostly grey fine sands and cobbles, some silt in the following five feet. A 2-3" clay layer was noted in the sample taken from SB5 from 5-10'. Materials in the 10-15' section consisted of mostly grey, yet some brown fine to coarse sands and cobbles. Groundwater was encountered between five and ten feet below grade across the Site. PID readings ranged from 0.6 ppm to 823 ppm. The following soil boring locations had PID readings at greater than 10 ppm reflecting remaining soil impacts: SB-1 (385 ppm average @ 5-10', 23 ppm average 10-10.3'), SB-2 (779 ppm average @ 0-5', 633 ppm average @ 5-10', and 39 ppm average @ 10-13'), SB-3 (248 ppm average @ 0-5', 422 ppm average @ 5-10', 342 ppm average @ 10-15', and 176 ppm average @ 15-17.1'), SB-4 (106 ppm average @ 0-5', 543 ppm aveage @ 5-10', and 82 ppm average @ 10-12.8'), and SB-5 (15.2 ppm average @ 0-5').

Soil samples were not submitted for laboratory analysis yet based on soil boring results (PID Concentrations) it appears that an area approximately 50 feet by 30 feet to an average depth of 11 feet below grade of impacted soils remain on the Site within the vicinity of SB-1/MW-7-15 and SB-2/MW-8-15.

Groundwater samples were collected on August 13, 2015. Groundwater was encountered at an average of 4.7 feet below grade during monitoring well sampling. Samples were collected from the following locations: MW-7-15 and MW-8-15. Samples collected were analyzed for EPA Method 8021B.

The following wells had exceedances of the Vermont DEC Groundwater Quality Enforcement Standards for one or more constituents analyzed: MW-7-15 (Benzene, Toluene, Ethylbenzene, Total Xylenes, 1,3,5 Trimethylbenzene, 1,2,4 Trimethylbenzene) and MW-8-15 (Ethylbenzene, Total Xylenes, 1,3,5 Trimethylbenzene, 1,2,4 Trimethylbenzene, and Naphthalene). Laboratory dilution factors disallowed the determination of exceedances of some compounds (MTbE and Naphthalene for MW-7-15 and Benzene for MW-8-15). As levels decrease at the Site, actual levels of lower-level compounds will be able to be determined.

Recommendations

S&C recommends obtaining an access agreement with the abutters to the east (DG Roofing) and completing an additional day of soil borings with the installation of one additional monitoring well in an effort to assess the extent of impacts in the easterly direction.

Additionally, bi-annual sampling at the Site should include the following wells: MW-3, MW-4, MW-5-13, MW-6-13, MW-7-15, and MW-8-15. S&C also recommends bi-annual measurement of groundwater depths at all on-site wells (including MW-1 and MW-2) in order to calculate groundwater flow direction.

S&C recommends tri-annual passive free product recovery at RW-1-13 and RW-2-13.

Please contact the undersigned with any questions or concerns.

Sincerely,

Jennifer Stonecipher
Project Manager
Stonecipher & Clark Environmental Solutions, LLC

Soil Boring Logs & Monitoring Well Diagrams

Soil Boring Log

Soil Boring/Well Number: SB 1/MW	Facility: Northeast Auto Accessory	Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 15 X 4.25		Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:		Logged by: K. Smith
Ground Surface Elevation (ASL):	Top of Casing Elevation (ASL):	
Date: 7/23/2015 Start Time: 8:00 AM	Date 7/23/2015 End Time: 2:00 PM	UST Number: / LUST Number:

Depth (feet)	% Recovery	Sample No.	Type	PID Reading	Soil Description (burmeister)(feet)
0-5	16%	1	SS	0	t-0.2 Asphalt 0.2- 0.8 f.-m sand, brown, dry
5-10	46%	2	SS	385	t-1.5 f. sand, grey, dry 1.5-1.6 cobble, tan, dry 1.6-1.7 f. sand & cobbles ,grey, dry 1.7-1.8 f. sand, grey, moist 1.8"-2.3" f. and & cobbles, grey, wet
10-15	36%	3	SS	23	t-1.1 f. sand & cobbles, grey, wet 1.1-1.2 cobble, wet 1.2-1.8 f. sand & cobbles, grey, wet

PID readings 10-15	
t- 0.3	13.7
0.3-0.6	0.9
0.6-0.9	2.5
0.9-1.2	0
1.2-1.5	0.3
1.5-1.8	0

Soil Boring Log

Soil Boring/Well Number: SB 2/MW	Facility: Northeast Auto Accessory				Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 13 X 4.25					Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:					Logged by: K. Smith
Ground Surface Elevation (ASL):				Top of Casing Elevation (ASL):	
Date: 7/23/2015 Start Time: 8:00 AM	Date 7/23/2015 End Time: 2:00 PM			UST Number:	LUST Number:

Depth (feet)	% Recovery	Sample No.	Type	PID Reading	Soil Description (burmeister)(feet)
0-5	76%	1	SS	823	t-0.2 Asphalt
t-1				839	0.2- 1.2 silt, some f. sand, brown, dry
1-2				770	1.2-1.7 f.sand, some silt, brown, dry
2-3				709	1.7-2.3 f. sand, grey, dry
3-3.8				754	2.3-2.7 silt & f. sand with organics brown, dry
					2.7-3 f. sand, brown, dry
					3-3.3 f.-m. sand, brown, dry
					3.3- 3.4 f. sand, grey, dry
					3.4-3.5 organics, dark brown, dry
					f. sand, grey, dry
					Smell - like parts cleaner or very old gas
5-10	62%	2	SS	658	t-1.2 silt & f. sand, grey, wet
t-1				671	1.2-1.6 f. sand, d. grey, wet
1-2				580	1.6-1.8 m. sand, gey, wet
2-3				621	1.8-2.5 f. sand & cobbles, grey, wet
					2.5-3.1 f. sand & cobbles d. grey, wet
10-13	70%	3	SS	39	t-0.5 f. sand & cobbles, grey, wet
					0.5 - 2.1 f.-m. sand & cobbles, wet

PID readings 10-13'	
t- 0.3	108
0.3-0.6	98.1
0.6-0.9	112
0.9-1.2	38.6
1.2-1.5	25.4
1.5-1.8	16.2

Soil Boring Log

Soil Boring/Well Number: SB 3	Facility: Northeast Auto Accessory	Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 13 X 4.25		Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:		Logged by: K. Smith
Ground Surface Elevation (ASL):	Top of Casing Elevation (ASL):	
Date: 7/23/2015 Start Time: 8:00 AM	Date 7/23/2015 End Time: 2:00 PM	UST Number: / LUST Number:

Depth (feet)	% Recovery	Sample No.	Type	PID Reading	Soil Description (burmeister)(feet)
0-5	56%	1	SS	549	t-0.2 Asphalt
t-1				2.3	0.2- 0.9 f.-m. sand & cobbles, brown, dry
1-2				174	0.9-1.3 silt & f. sand, d. grey, dry
2-2.8				266	1.3-1.5 m. sand grey, dry
					1.5-2.4 silt & f. sand, grey, dry
					2.4-2.6 organic, d brown, dry
					2.6-2.8 . sand, some silt, grey, dry
5-10	46%	2	SS	590	t-0.4 f. sand grey, dry
t-1				620	0.4-0.6 f. sand, brown, dry
1-2				470	0.6-1.6 f. sand, some silt, d. grey, dry
2-2.3				7.6	1.6-2 f. sand, grey, dry
					2.0-2.3 f. sand, some silt, d. gray, dry
10-15	48%	3	SS	700	t-1.1 f.-c. sand, d.grey, wet
t-1				185	1.1- 1.7 f. sand, d. grey, wet
1-2				140	1.7- 1.9 f. sand & cobbles, few silt, d grey, wet
					1.9-2.1 f. sand, brown, wet
					2.1-2.4 f.-m. sand, d grey, wet
15-20	90%	4	SS	176	t-0.5 f. sand, grey, wet
					0.5-2.4 c. sand, grey, wet
					2.4-4.5 f. sand & cobbles, grey, wet

PID readings 15-20'

t- 0.3	47	2.1-2.4	4.9
0.3-0.6	6.4	2.4-2.7	5.7
0.6-0.9	2.1	2.7-3	3.1
0.9-1.2	11.1	3-3.3	5.5
1.2-1.5	3	3.3-3.6	1.3
1.5-1.8	4.2	3.6-3.9	6.3
1.8-2.1	33.4	3.9-4.1	0.6

Soil Boring Log

Soil Boring/Well Number: SB 4	Facility: Northeast Auto Accessory	Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 13 X 4.25		Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:		Logged by: K. Smith
Ground Surface Elevation (ASL):	Top of Casing Elevation (ASL):	
Date: 7/23/2015 Start Time: 8:00 AM	Date 7/23/2015 End Time: 2:00 PM	UST Number: / LUST Number:

Depth (feet)	% Recovery	Sample No.	Type	PID Reading	Soil Description (burmeister)(feet)
0-5	20%	1	SS	106	t-0.2 Asphalt 0.2-1 f.c. sand & cobbles, lt. brown, dry
5-10	40%	2	SS	687	t-0.9 f. sand, brown, dry
t-1				795	0.9-1.1 f. sand & cobbles, grey, wet
1-2				147	1.1-2 f. sand, some silt, grey, wet
10-15	68%	3	SS	30.5	t-2.5 f. sand, d grey, wet
t-1				214	2.5-2.7 f.-m. sand & cobbles, grey, wet
1-2				2.8	2.7- 3.4 f.-m. sand, brown, wet

PID readings 10-15'	
2-2.3	0.6
2.3-2.6	5
2.6-2.9	2
2.9-3.1	0.9
3.1-3.4	0

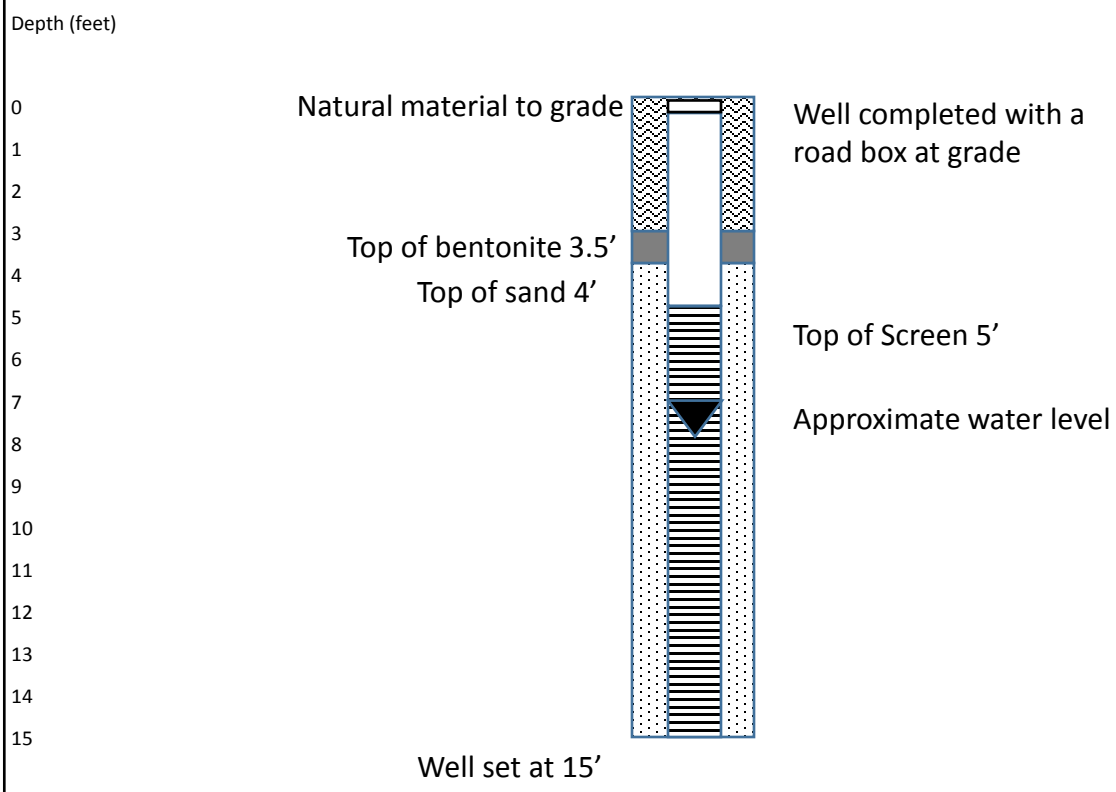
Soil Boring Log

Soil Boring/Well Number: SB 5	Facility: Northeast Auto Accessory				Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 13 X 4.25					Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:					Logged by: K. Smith
Ground Surface Elevation (ASL):				Top of Casing Elevation (ASL):	
Date: 7/23/2015 Start Time: 8:00 AM	Date 7/23/2015 End Time: 2:00 PM			UST Number:	LUST Number:
Depth (feet)	% Recovery	Sample No.	Type	PID Reading	Soil Description (burmeister)(feet)
0-5	44%	1	SS	5.2	t-0.2 Asphalt
t-1				21.6	0.2- 0.3 f. sand, lt brown, dry
1-2				18.8	0.3-1.6 f. sand, brown, dry
					1.6-1.7 organic, d. brown, dry
					1.7-2.2 f. sand, some silt, grey, dry
5-10	56%	2	SS	3.4	t-1.0 f. sand, some silt, grey, moist
t-1				0.3	1.0-1.3 Silt, some clay, brown, moist
1-2				0.5	1.3-1.6 f. sand & silt, d. brown, wet
2-3				0.1	1.6-1.9 f.-c. sand, brown, wet
					1.9-2.8 f. sand & cobbles, grey, wet
10-15	74%	3	SS	0	t-0.6 f. sand, grey, wet
					0.6-0.8 f.-c. sand, grey, wet
					0.8-2.2 f. sand & cobbles, brown, wet
					2.2-3.7 silt & clay, grey, wet

Monitoring Well Construction Diagram

Soil Boring/Well Number: SB 1/MW	Facility: Northeast Auto Accessory	Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 15 X 4.25		Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:		Logged by: K. Smith

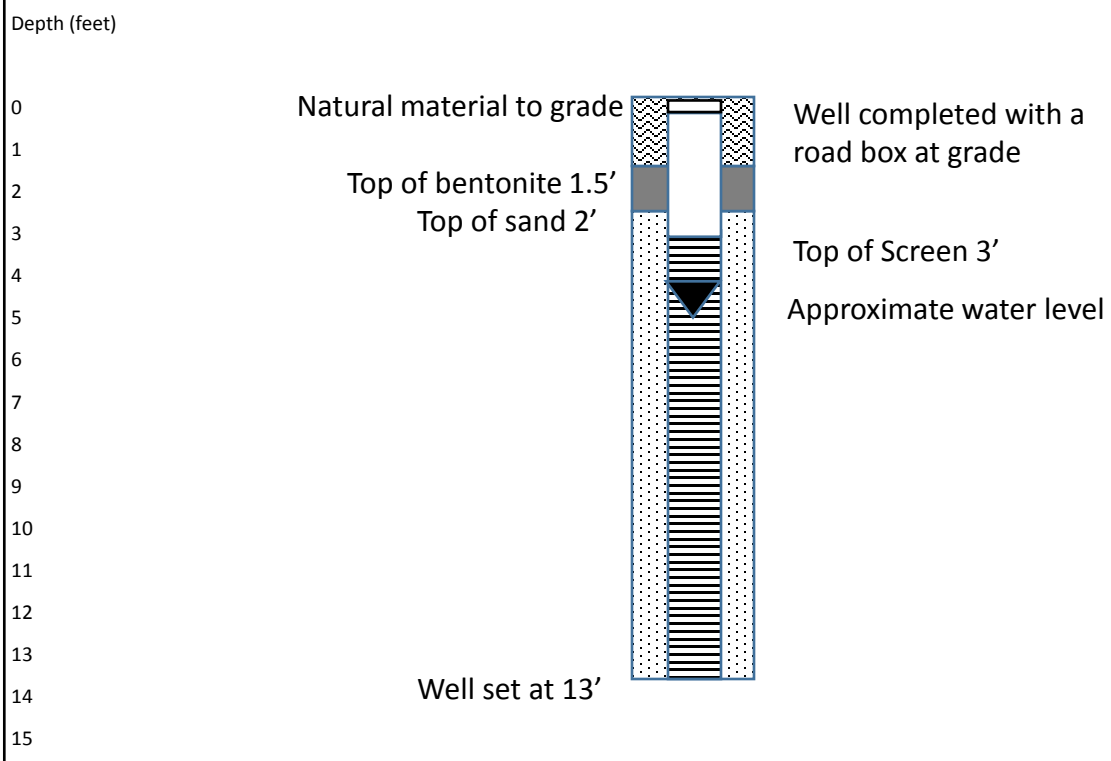
Ground Surface Elevation (ASL):		Top of Casing Elevation (ASL):	
Date: 7/23/2015	Date 7/23/2015	UST Number:	LUST Number:
Start Time: 8:00 AM	End Time: 2:00 PM		



Monitoring Well Construction Diagram

Soil Boring/Well Number: SB 2/MW	Facility: Northeast Auto Accessory	Facility Street Address: 684 Portland St., St. Johnsbury, VT
Boring Depth (ft) X Diameter (in): 15 X 4.25		Drilling Method: Direct Push
Well Contractor Name: EAI Registration Number:		Logged by: K. Smith

Ground Surface Elevation (ASL):		Top of Casing Elevation (ASL):	
Date: 7/23/2015	Date 7/23/2015	UST Number:	LUST Number:
Start Time: 8:00 AM	End Time: 2:00 PM		



Groundwater Quality Data

Groundwater Quality Analytical Results
2015-007 Northeast Collision Center

	VT DEC Groundwater Quality Enforcement Standard	Preventive Action Level	MW-7-15*	MW-8-15**
Analytes	Concentration (µg/L)		8/13/15	8/13/15
		TOC	608.31	607.99
		Water Level	4.89	4.48
		Groundwater Elevation	603.42	603.51
Benzene	5	0.5	**3,000**	<10
Toluene	1,000	500	**28,000**	560
Ethylbenzene	700	350	**9,000**	**1,600**
mp-Xylene	NA	NA	35,000	4,100
o-Xylene	NA	NA	13,000	1,000
Tota Xylenes	10,000	5,000	**48,000**	**5,100**
Total BTEX	NA	NA	88,000	7,260
Methyl-t-butyl ether (MTBE)	40	20	<1,000	<10
1,3,5 Trimethylbenzene	4	2	**2,000**	**800**
1,2,4 Trimethylbenzene	5	2.5	**7,000**	**1,800**
Naphthalene	20	10	<5,000	**300**

Concentrations in bold exceed enforcement standard and/or preventative action level

NA - no standard available

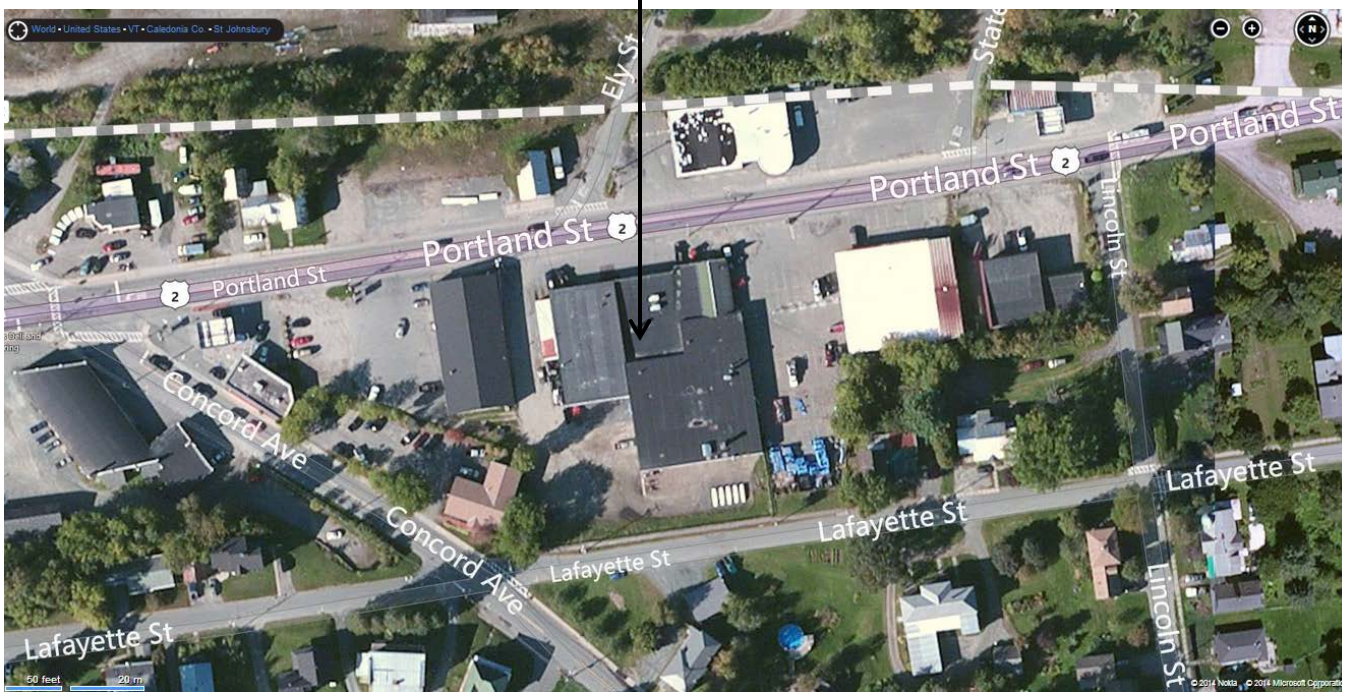
< laboratory results below detectable limits

* Dilution factor of 1,000

** Dilution factor of 10

Site Aerial, Site Photos, Site Plans & Laboratory Results

Site



Stonecipher& Clark Environmental Solutions, LLC
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603.575.5154

Northeast Auto Accessory
684 Portland Street
St. Johnsbury, VT

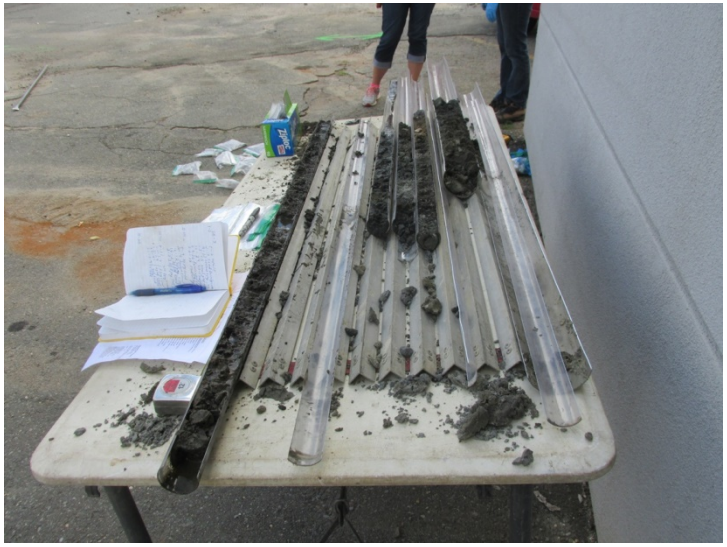
Project: 2015-036

Aerial Map

Northeast Auto Accessory

684 Portland Street, St. Johnsbury, VT

Soil Boring



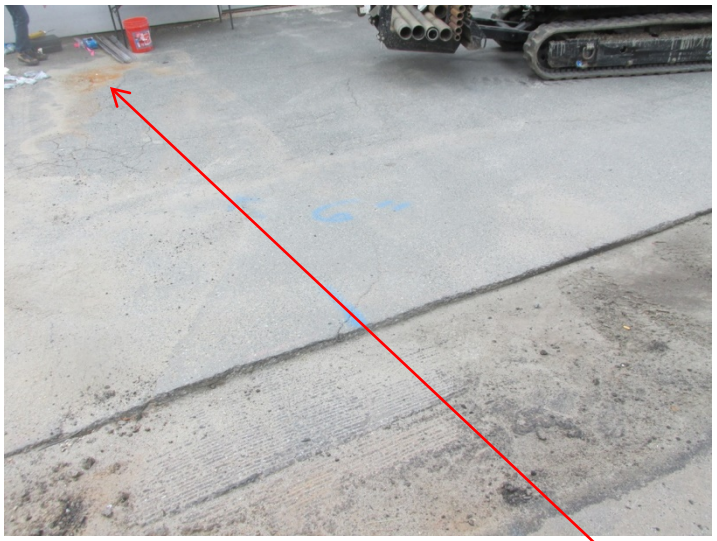
Facing southwesterly toward building

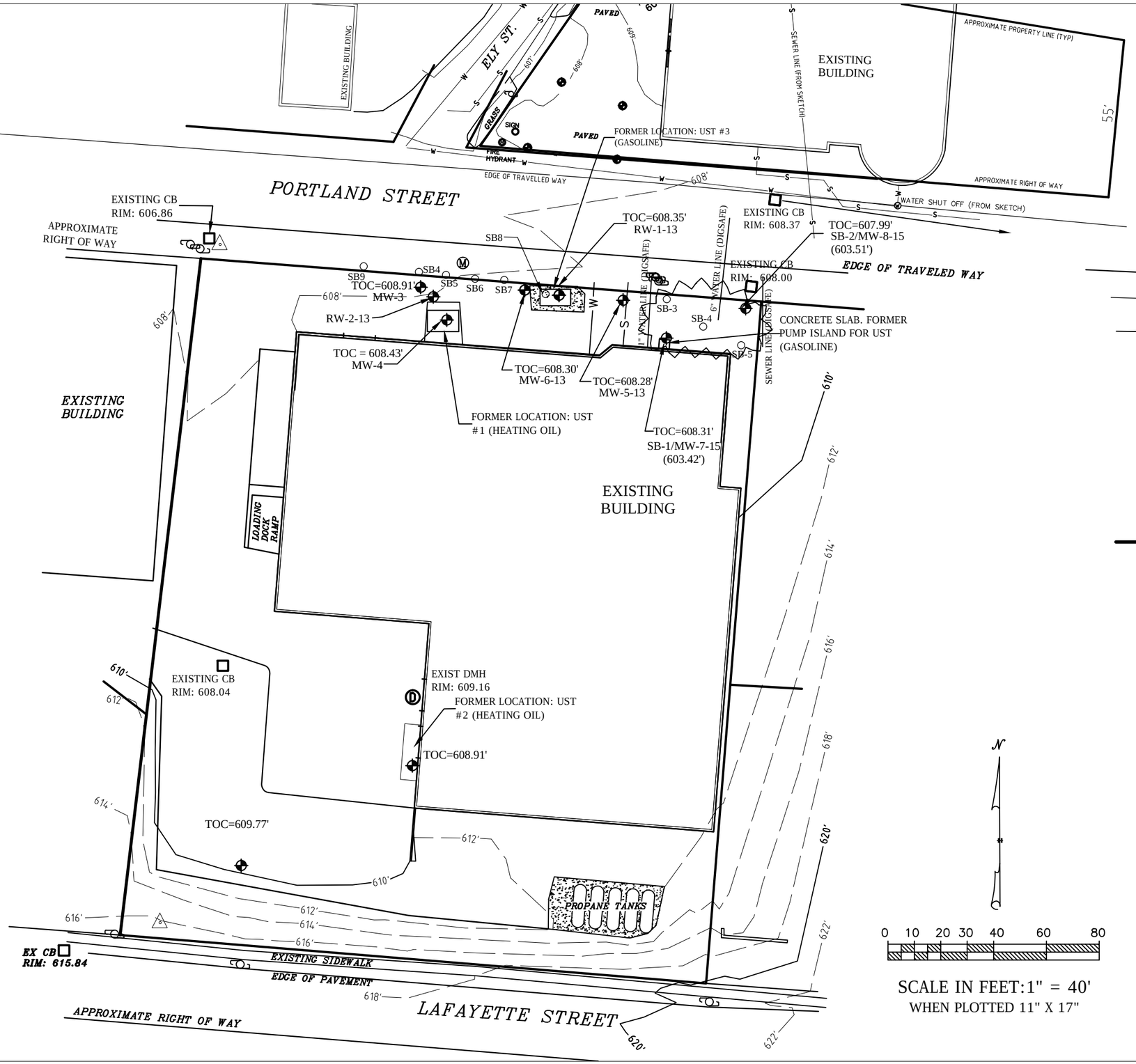
Northeast Auto Accessory

684 Portland Street, St. Johnsbury, VT

Looking easterly, drilling SB3

Facing southeasterly toward building at SB1/MW-7-15





LEGEND

- EXISTING MONITORING WELL LOCATION WITH GROIUNDWATER ELEVATION
- TOC = 608.30' — ELEVATION OF TOP OF MONITORING WELL
- (NS) — NOT SAMPLED
- (FP) — FREE PRODUCT
- UTILITY POLE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- 620' — MAJOR 10' CONTOUR INTERVAL
- 612' — MINOR 2' CONTOUR
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- SB8 — EXISTING SOIL BORING LOCATION AND ID
- PHOTO POINTS
- EXISTING CATCH BASIN
- Ⓜ — EXISTING MANHOLE
- 604' — GROUNDWATER CONTOUR

N

0 10 20 30 40 60 80

SCALE IN FEET:1" = 40'

WHEN PLOTTED 11" X 17"

NORTHEAST AUTO ACCESSORY
SMS#20114197
684 PORTLAND AVENUE
ST. JOHNSBURY, VERMONT

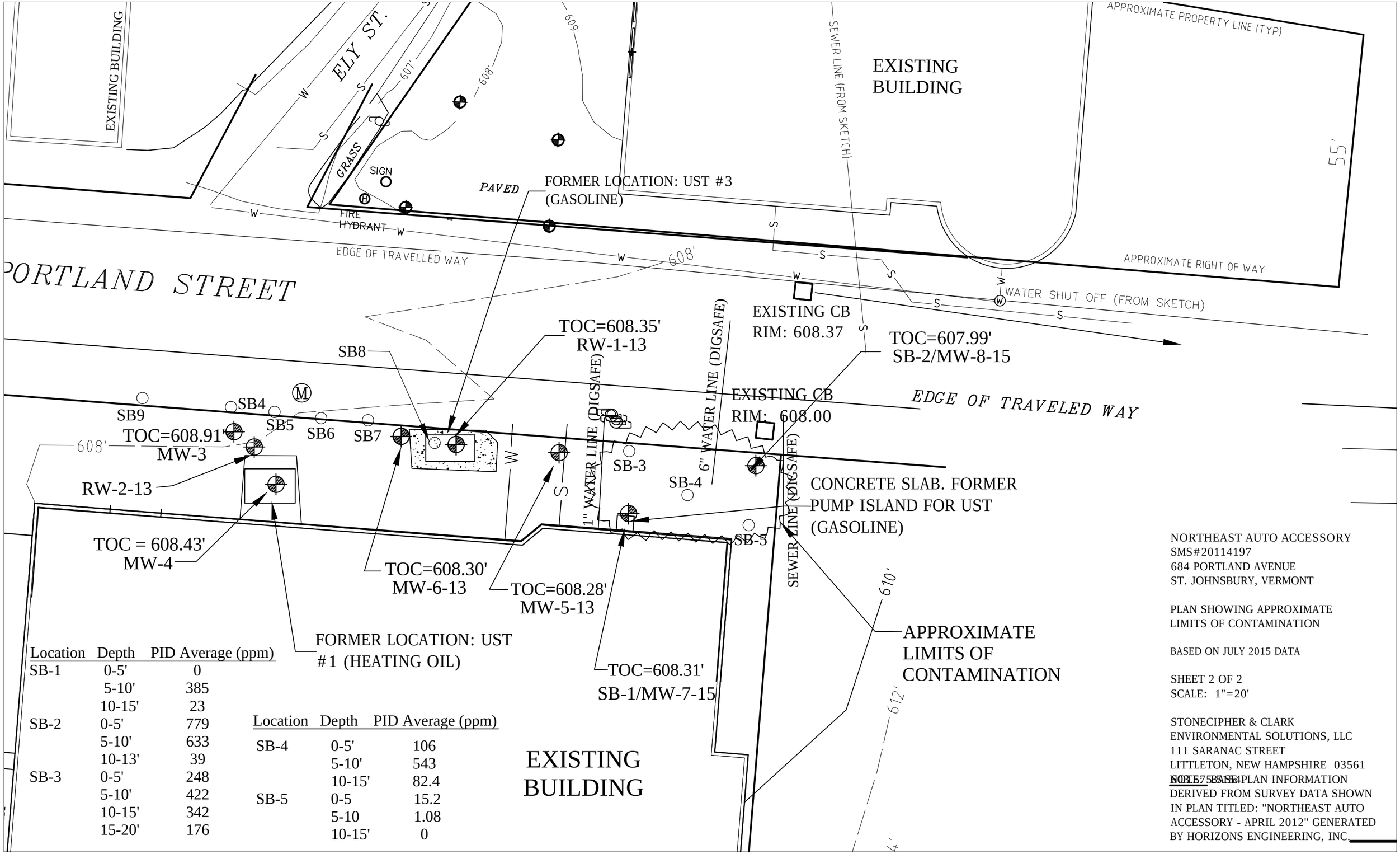
JULY 2015 SITE PLAN
SOIL BORINGS AND NEW WELLS

BASED ON JULY 2015 DATA

SHEET 1 OF 2

STONECIPHER & CLARK
ENVIRONMENTAL SOLUTIONS, LLC
111 SARANAC STREET
LITTLETON, NEW HAMPSHIRE 03561
603.575.5154

NOTE: BASE PLAN INFORMATION DERIVED FROM SURVEY DATA SHOWN IN PLAN TITLED: "NORTHEAST AUTO ACCESSORY - APRIL 2012" GENERATED BY HORIZONS ENGINEERING, INC.



Location	Depth	PID Average (ppm)
SB-1	0-5'	0
	5-10'	385
	10-15'	23
SB-2	0-5'	779
	5-10'	633
	10-13'	39
SB-3	0-5'	248
	5-10'	422
	10-15'	342
	15-20'	176

Location	Depth	PID Average (ppm)
SB-4	0-5'	106
	5-10'	543
	10-15'	82.4
SB-5	0-5	15.2
	5-10	1.08
	10-15'	0

NORTHEAST AUTO ACCESSORY
SMS#20114197
684 PORTLAND AVENUE
ST. JOHNSBURY, VERMONT

PLAN SHOWING APPROXIMATE LIMITS OF CONTAMINATION

BASED ON JULY 2015 DATA

SHEET 2 OF 2
SCALE: 1"=20'

STONECIPHER & CLARK
ENVIRONMENTAL SOLUTIONS, LLC
111 SARANAC STREET
LITTLETON, NEW HAMPSHIRE 03561
603.575.3554

NOTE: BASE PLAN INFORMATION DERIVED FROM SURVEY DATA SHOWN IN PLAN TITLED: "NORTHEAST AUTO ACCESSORY - APRIL 2012" GENERATED BY HORIZONS ENGINEERING, INC.

Eastern Analytical, Inc.

Professional laboratory & drilling services

Jennifer Stonecipher
Stonecipher & Clark Environmental Solutions
Tannery Marketplace, 111 Saranac Street
Littleton , NH 03561

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	147031
Client Identification:	Northeast | 2015-036
Date Received:	8/18/2015

Dear Ms. Stonecipher :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw — 8.26.15 — 3

Lorraine Olashaw, Lab Director | Date | # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **147031**

Client: **Stonecipher & Clark Environmental Solutions**

Client Designation: **Northeast | 2015-036**

Temperature upon receipt (°C): 2.5 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
147031.01	MW-7-15	8/18/15	8/13/15	aqueous		Adheres to Sample Acceptance Policy
147031.02	MW-8-15	8/18/15	8/13/15	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater,20th Edition, 1998 and 22nd Edition, 2012
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

EAI ID#: **147031**

Client: **Stonecipher & Clark Environmental Solutions**

Client Designation: **Northeast | 2015-036**

Sample ID:	MW-7-15	MW-8-15
Lab Sample ID:	147031.01	147031.02
Matrix:	aqueous	aqueous
Date Sampled:	8/13/15	8/13/15
Date Received:	8/18/15	8/18/15
Units:	ug/l	ug/l
Date of Analysis:	8/25/15	8/25/15
Analyst:	BML	BML
Method:	8260B	8260B
Dilution Factor:	1000	10
Methyl-t-butyl ether(MTBE)	< 1000	< 10
Benzene	**3000**	< 10
1,2-Dichloroethane	< 1000	< 10
Toluene	**28000**	**560**
1,2-Dibromoethane(EDB)	< 1000	< 10
Ethylbenzene	**9000**	**1600**
mp-Xylene	**35000**	**4100**
o-Xylene	**13000**	**1000**
1,3,5-Trimethylbenzene	**2000**	**800**
1,2,4-Trimethylbenzene	**7000**	**1800**
Naphthalene	< 5000	**300**
4-Bromofluorobenzene (surr)	**102 %R**	**100 %R**
1,2-Dichlorobenzene-d4 (surr)	**102 %R**	**102 %R**
Toluene-d8 (surr)	**101 %R**	**99 %R**

GC/MS analysis was employed for the determination of the 8021B compound list.

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

FOR LAB USE ONLY: 147031 3

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 / 524.2 BTEX 524.2 MTBE ONLY	VOC: 8260B 624 VTICS 1, 4 DIOXANE	VOC: 8021B BTEX HALOS (circled)	VOC: 8015B GRO MAVPH	SVOC: 8270D 625 SVTICS EDB DBCP ABN A BN PAH	SVOC: TPH8100 LI L2	SVOC: 8015B DRO MAEPH	SVOC: PEST 608 PCB 608 PEST 8081A PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR Cl F SO_4 NO_2 NO_2 NO_3NO_2	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH_3 T. PHOS. O. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC DOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
MW-7-15	8/13/15 1:30 P	GW	G			X																						2	
MW-8-15	8/13/15 1P	GW	G			X																						2	

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER
PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Jennifer Stonecipher
COMPANY: Stonecipher & Clark Env. Sol.
ADDRESS: 111 Saranac Street
CITY: Littleton **STATE:** NH **ZIP:** 03561
PHONE: 603-575-5154 **EXT.:**
FAX: 603-575-5156
E-MAIL: jstonecipher@stoneciphernandclark.com
SITE NAME: Northwest
PROJECT #: 2015-036
STATE: NH MA ME (VT) **OTHER:**
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:
QUOTE #: **PO #:**

DATE NEEDED: Standard

QA/QC REPORTING LEVEL
A B C
OR
PRESUMPTIVE CERTAINTY

REPORTING OPTIONS
PRELIMS: YES OR NO
IF YES: FAX OR PDF

ELECTRONIC OPTIONS
NO FAX E-MAIL PDF EQUIS

TEMP. 2.5 °C
ICE? (YES) NO

SAMPLER(S): Rachel Tamulonis

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
[signature]	8-18-15	11:20	[signature]
[signature]	8-18-15	14:20	[signature]

METALS: 8 RCRA 13 PP FE, MN PB, CU
OTHER METALS:
SAMPLES FIELD FILTERED? ☐ YES ☒ NO
NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

VT. PET fund

SITE HISTORY:
SUSPECTED CONTAMINATION:
FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory & drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMERSERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)