SEMI-ANNUAL PROGRESS REPORT #6

1071 HOWELL MILL ROAD

ATLANTA, FULTON COUNTY, GEORIGA

HSI SITE NO. 10637 (WELCOME YEARS, INC.)

Submitted To:

Georgia Environmental Protection Division
Hazardous Waste Management Branch
Suite 1154, East Tower
2 Martin Luther King Jr. Drive
Atlanta, Georgia 30334

Prepared For:

Westbridge Partners & 1071 WB, LLC
1170 Howell Mill Road
Atlanta, Georgia 30318

Prepared By:

Amec Foster Wheeler Environment & Infrastructure, Inc.
2677 Buford Highway, NE
Atlanta, Georgia 30324

Project No. 6121-12-0124

October 15, 2015

Mr. David Reuland
Unit Coordinator
Environmental Protection Division
Georgia Department of Natural Resources
2 Martin Luther King Jr. Drive, SE, Suite 1462 East
Atlanta, Georgia 30334

RE: Semi-Annual Progress Report #6
1071 Howell Mill Road
Atlanta, Georgia
HSI Sub-Listed Site No. 10637 (Welcome Years, Inc.)
Tax Parcel ID#17-0150-009-14

Dear Mr. Reuland:

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) respectfully submits this Progress Report #6 for the 1071 Howell Mill Road property in Atlanta, Fulton County, Georgia, on behalf of 1071 WB, LLC, an affiliate of Westbridge Partners. This progress report is required by the Voluntary Remediation Program (VRP) statute and requested by the Georgia Environmental Protection Division (EPD) in their comment letter dated October 15, 2012.

This report is for the exclusive use of Westbridge Partners and 1071 WB, LLC, and for regulatory submittal. If additional information is required, please contact Mr. Chuck Ferry (404) 817-0107 or by email at chuck.ferry@amecfw.com.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.

Steve Davenport
Project Geologist

Charles T. Ferry, P.E.
Senior Principal Engineer

cc: Mr. Chris Faussemagne, Westbridge Partners
Mr. John C. Spinrad, Arnall Golden Gregory LLP

Amec Foster Wheeler Environment and Infrastructure, Inc.
2677 Buford Hwy., Atlanta, Georgia 30324
Tel: (404) 873 4761
Fax: (404) 817 0207
www.amecfw.com

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1.0 PROJECT SUMMARY

The 1071 Howell Mill Road Site ("Site") is an approximate 0.9-acre parcel of land located in Atlanta, Fulton County, Georgia. The Site is identified on the Fulton County Tax Assessor's website as Tax Parcel ID 17-0150-009-14. Historically, the Site was undeveloped from at least 1938 until it was developed in 1951 with a commercial building and a small parking lot west of the building. The building was vacated in 2010.

1.1 REGULATORY BACKGROUND

The Georgia Environmental Protection Division (EPD) notified the former property owner, Mr. William Graham, Jr., that the Site may have been impacted by the historical placement of contaminated fill material. As such, the Site has been the subject of a number of environmental assessments conducted between 2003 and 2012, which revealed the presence of metals in soil, including: arsenic, barium, cadmium, chromium, and lead. Based on the soil data obtained in 2003, the Site was sub-listed on the Hazardous Site Inventory (HSI) as part of the Welcome Years HSI Site No. 10637 located to the north. Adjoining commercial properties to the north, east and south have also been sub-listed as part of the Welcome Years HSI Site No. 10637.

Groundwater data obtained on-Site identified several chlorinated volatile organic compounds (VOCs) and the metals barium, cadmium, chromium and lead. The metals detected in groundwater were at low concentrations and are consistent with naturally occurring levels. The presence of the chlorinated VOCs are interpreted to be from an upgradient off-site source.

A Voluntary Remediation Plan Application (VRPA), dated September 7, 2012, was submitted to Georgia Environmental Protection Division (EPD) to enter the Site into the Voluntary Remediation Program (VRP). In conjunction with the VRPA, Westbridge Partners submitted a Prospective Purchaser Corrective Action Plan (PPCAP) dated September 17, 2012, to enter the Site into Georgia's Brownfield Program. The Georgia EPD approved both the VRPA and PPCAP with conditions and comments presented in separate letters dated October 15, 2012 and accepted the Site into the VRP and Georgia's Brownfield Program.

EPD requested in its October 15, 2012 approval letter that semi-annual status reports be submitted beginning April 15, 2013 through April 15, 2017, to include an annual groundwater monitoring program. Four semi-annual reports have been issued, the first of which included a Monitoring and Maintenance Plan (MMP) that set forth certain engineering controls. Based on an EPD comment letter dated August 5, 2014, an annual inspection of engineering controls must be

performed. In addition, site activities involving disturbance of impacted soils are performed under a Remediation Plan and an Environmental Management Plan (EMP).

1.2 REDEVELOPMENT PROJECT

1071 WB, LLC has engaged a contractor, Structor Group, to renovate the existing building. As shown on the attached Figure 1, the building on the southern half of the Site has been demolished and the area converted to a parking lot by overlaying asphalt on the remaining building floor slab as the pavement hardcover (see Photo 1). The remaining building on the northern half of the Site has been gutted for renovation, re-using the existing building super-structure and floor slab. A restaurant is under construction at the western end of the existing building. Limited slab penetrations have been performed to install utility stubs for the restaurant (see Photo 2). An additional 8-inch thick concrete slab will be placed to cover the existing slab (see Photo 3). A similar concrete over-slab is planned for the rest of the building at the time of future tenant renovations (see Photo 4).

Stormwater control measures have included the installation of a trench drain in the parking area and the installation of an underground detention vault in the western portion of the property. A small area in the northwest corner of the property has been landscaped.

Currently, a temporary fence and locked gate has been installed along the Howell Mill Road side of the Site, with permanent fencing elsewhere. Therefore, the Site is secure during the renovation process.

2.0 ACTIONS TAKEN SINCE LAST SUBMITTAL

The activities that have been performed since submittal of the Semi-Annual Progress Report #5 dated April 15, 2014 include replacement, development and sampling of monitoring wells MW-1R and MW-3.

2.1 MONITORING WELL REPLACEMENT

As indicated in the April 2015 Semi-Annual Progress Report, monitoring wells MW-1R and MW-3 were abandoned on October 28, 2014 to accommodate redevelopment. In order to continue groundwater sampling, new monitoring wells, designated MW-1R2 and MW-3R were installed September 28, 2015 at the approximate locations of the original wells (see Photos 5 & 6).

Soil borings were advanced to a depth of 35 feet using a direct push sampling rig and a groundwater monitoring well was installed in each boring. Monitoring well construction consisted of a 1-inch diameter PVC pile with the lower 20 feet slotted (0.01" slot). A filter pack consisting of bagged quartz sand was placed a around the screened section of each well. The remainder of the borehole annulus was backfilled to the surface with bentonite clay grout. The wells were finished with well caps and flush-mounted covers. Drilling spoils were containerized in a 55-gallon drum and staged on-site for disposal at a later date.

Soil boring logs with well construction diagrams are attached in Appendix A.

2.2 MONITORING WELL DEVELOPMENT AND SAMPLING

The monitoring wells were developed on September 29, 2015. Groundwater was removed from each well using a peristaltic pump until groundwater monitoring parameters including temperature, pH, specific conductance and turbidity stabilized. Monitoring well development records are included in Appendix B.

Groundwater samples were collected from each well on September 29, 2015, immediately following well development. The groundwater samples were collected in laboratory-provided containers, packed on ice and delivered under chain-of-custody protocol to Analytical Environmental Services, Inc. in Atlanta, Georgia for testing.

The groundwater samples were tested for volatile organic compounds (VOCs, SW-846 Test Method 8260B). The results of the monitoring event are summarized on the attached Table 2

and Figure 1, which also summarizes previous groundwater testing data from wells MW-1R and MW-3. The laboratory report is attached in Appendix C.

Groundwater testing results from MW-1R2 exhibited tetrachloroethene at a concentration of 0.011 mg/L, slightly higher than the previously detected concentration in MW-1R of 0.0067 mg/L in November 2013. Chloroform and tetrachloroethene concentrations in MW-3R were detected at 0.0058 and 0.065 mg/L, slightly lower than the 0.013 and 0.0120 mg/L detected, respectively, in MW-3 in October 2014.

Following installation and stabilization of the groundwater levels, groundwater depths were measured in the two wells. A level survey was conducted to determine the well casing elevations relative to an on-site point with a known elevation. The depths to groundwater ranged from 23.30 feet in MW-1R2 to 23.82 feet in MW-3R, similar to the previous water table levels. A summary of the groundwater elevation data measured on September 29, 2015 is presented on Table 1.

2.3 LEASE SPACE PLUMBING

Penetrations of the existing floor slab have recently been made inside the building for installation of subsurface plumbing for future tenant use. Impacted soils are temporarily exposed at this time pending completion of the plumbing installation and pouring of the new concrete floor.

2.4 FILL PLACEMENT

Imported fill soils were placed on the western portion of the property between Howell Mill Road and the building prior to installation of landscaping. As discussed in Section 2.3 of Semi-Annual Progress Report #5, dated April 15, 2015, the soils from the borrow source were qualified based on testing for volatile organic compounds (VOCs, SW846 Method 8260B), semivolatile organic compounds (SVOCs, SW846 Method 8270D), RCRA Metals (SW846 Methods 6010C and 7471B), polychlorinated biphenyls (PCBs, SW842 Method 8082A) and pesticides (SW846, 8081B).

3.0 ROUTINE INSPECTION

Mr. Chuck Ferry of Amec Foster Wheeler visited the site on October 13, 2015 to conduct a routine Site inspection. The following conditions were observed as documented on the MMP checklist:

- The cover has been placed over the area west of the building along Howell Mill Road, including hard cover and landscaping.
- Impacted soils are temporarily exposed at the locations of the plumbing trenches in the currently vacant tenant space inside the rear portion of the building.

A copy of the Inspection and Maintenance Report is included in Appendix E. Photos of the excavation areas are included in Appendix D.

4.0 SUMMARY

The EMP and Remediation Plan were initiated following the start of site redevelopment activities. Limited cap-disturbing activities have begun and will continue periodically during the construction period projected through December 2015.

Monitoring wells MW-1R and MW-3 were properly abandoned in October 2014. Wells MW-1R2 and MW-3R were installed in September 2015 at the approximate locations of the former wells.

Testing of groundwater samples obtained from the two new wells indicated constituent concentrations similar to those previously detected in the former monitoring wells. Therefore, the groundwater condition remains consistent with an off-site source and below a level of concern for vapor intrusion into the building.

Soils inside the vacant tenant space at the rear of the building have been temporarily exposed for installation of subsurface plumbing. Following completion of the plumbing installation the plumbing trenches will be backfilled and a new concrete floor is to be poured inside the building. Therefore, the Type 5 RRS cap remains intact, except at the locations of the plumbing trenches which are under construction. There is no plan to remove soils from the project site.

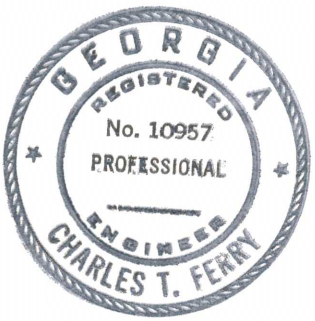
Fill soils were placed on the site between the west end of the building and Howell Mill Road. The results of previous testing of soils from the borrow source indicated that material was acceptable for use on-site.

A breakdown of professional service hours with a description of the services provided is included in Appendix F.

GROUNDWATER SCIENTIST STATEMENT

I certify that I am a qualified groundwater scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared in conjunction with others working under my direction.

Mr. Charles T. Ferry, P.E.
Georgia Registration No. 10957



TABLES

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

TABLE 1 - SUMMARY OF WELL CONSTRUCTION/WATER LEVEL DATA

Well ID	Measurement Date	Well Elevation, FT*	Depth of Well, FT	Well Screen Interval, FT	Depth to Water, FT	Groundwater Elevation, FT
MW-1	7/3/2003	970.45	25	10-25	18.90	951.55
	6/6/2012				Dry	Dry @ 945.97
	7/16/2014				22.98	947.47
MW-1R	7/5/2012	970.43	34	24-34	25.50	944.93
	11/15/2013				22.87	947.56
	7/16/2014				22.50	947.93
MW-1R2	9/29/2015	970.84	35	20-35	23.30	947.54
MW-2	7/3/2003	968.23	25	19-25	21.04	947.19
	6/6/2012				Dry	Dry @ 944.03
	7/16/2014				23.82	944.41
MW-3	6/6/2012	968.75	32	22-32	26.13	942.62
	11/15/2013				23.80	944.95
	7/16/2014				23.57	945.18
	10/10/2014				24.25	944.50
MW-3R	9/29/2015	968.54	35	20-35	23.82	944.72
MW-4	6/6/2012	968.17	32	22-32	24.84	943.33
	7/16/2014				23.66	944.51
MW-5	6/6/2012	967.56	32	22-32	25.87	941.69
	7/16/2014				23.97	943.59

* Relative to benchmark elevation of 968.38 feet at northwest corner building entrance

Prepared By: Tyler Boyles
Checked By: Chuck Ferry

FORMER SUNLOW, INC.
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

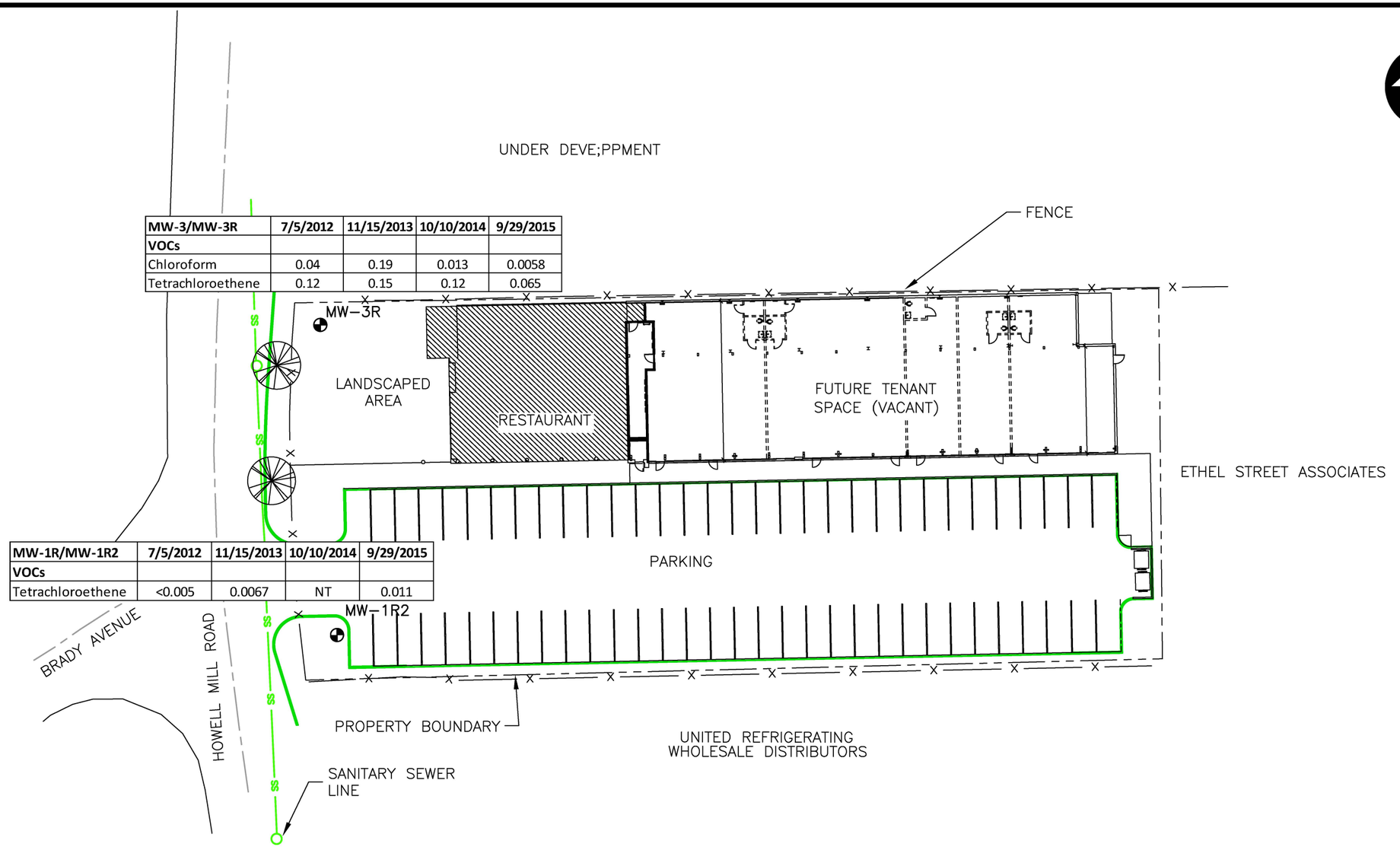
TABLE 2 - SUMMARY OF GROUNDWATER TESTING RESULTS

Sample ID:	**MW-1R**	**MW-1R**	**MW-1R**	**MW-1R2**	**MW-3**	**MW-3**	**MW-3**	**MW-3R**
Sample Date:	**7/5/2012**	**11/15/2013**	**10/10/2014**	**9/29/2015**	**6/1/2012**	**11/15/2013**	**10/10/2014**	**9/29/2015**
Sample Matrix:	**Groundwater**	**Groundwater**	**Groundwater**	**Groundwater**	**Groundwater**	**Groundwater**	**Groundwater**	**Groundwater**
Units:	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Volatile Organic Compounds (VOCs)								
Chloroform	<0.005	<0.005	NT	<0.005	**0.04**	**0.19**	**0.013**	**0.0058**
Tetrachloroethene	<0.005	**0.0067**	NT	**0.011**	**0.12**	**0.15**	**0.12**	**0.065**

Notes:
U = Constituent was not detected at the reporting limit
NT = Not Tested due to well covered by construction material

Prepared By: Tyler Boyles
Checked By: Chuck Ferry

FIGURE



MW-3/MW-3R	7/5/2012	11/15/2013	10/10/2014	9/29/2015
VOCs				
Chloroform	0.04	0.19	0.013	0.0058
Tetrachloroethene	0.12	0.15	0.12	0.065

MW-1R/MW-1R2	7/5/2012	11/15/2013	10/10/2014	9/29/2015
VOCs				
Tetrachloroethene	<0.005	0.0067	NT	0.011

LEGEND

- MONITORING WELL LOCATION

RESULTS REPORTED IN MILLIGRAMS PER LITER (mg/L)

SOURCE: PDF FILE, ADVANCE SURVEY INC., SURVEY FOR DANNY GRAHAM 12/30/02

SCALE IN FEET

0 40 80

amec foster wheeler

AMEC Environment & Infrastructure, Inc.

96 PLASTERS AVENUE, N.E.
ATLANTA, GEORGIA 30324 (404)873-4761

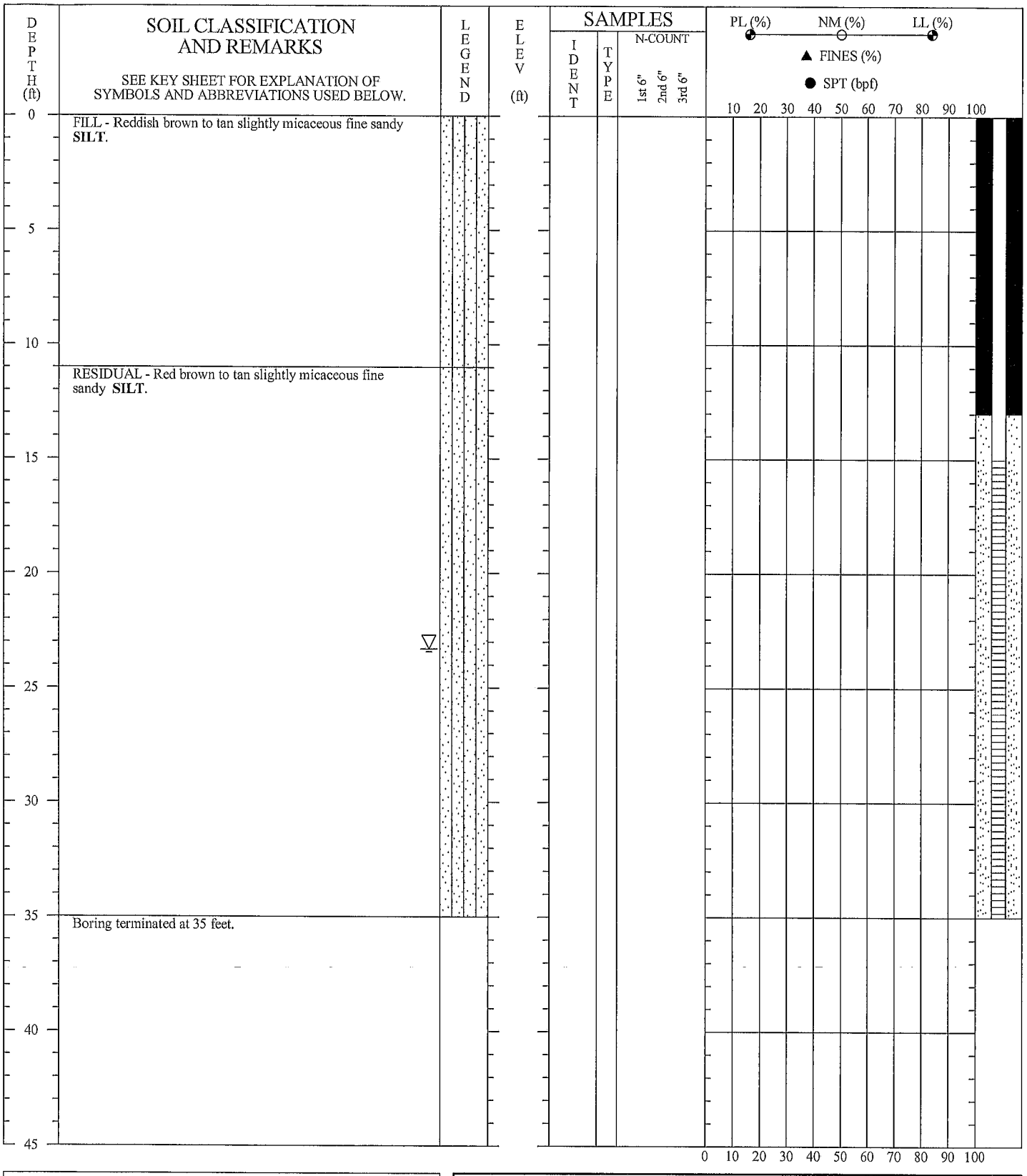
1071 HOWELL MILL ROAD
ATLANTA, GEORGIA

SUMMARY OF GROUNDWATER TESTING RESULTS

Job Number	Task	Date	Scale	Drawn By	Approved By	Figure
6121-12-0124	02	OCT. 2015	AS SHOWN	TG	SD	1

APPENDIX A

SOIL BORING LOGS WITH WELL CONSTRUCTION DIAGRAMS



SOIL TEST BORING 1071 HOWELL MILL.GPJ AMEC.GDT 10/13/15

DRILLER:	Atlas Geosampling
EQUIPMENT:	Power Probe
METHOD:	Direct Push
HOLE DIA.:	2.5 inches
REMARKS:	Depth to groundwater measured on 9/29/15 at 23.30 feet.

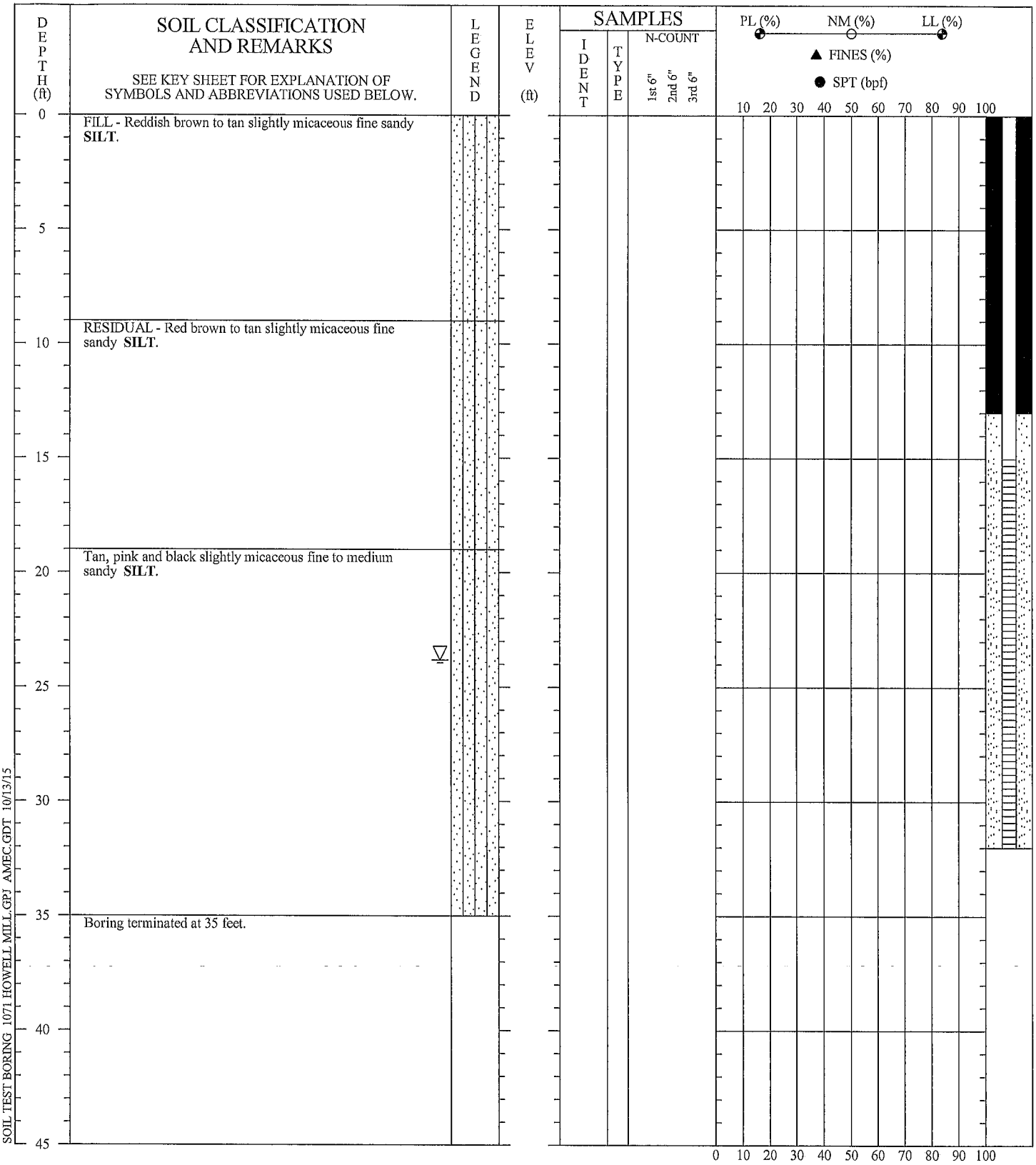
Prepared by: S. Davenport Reviewed by: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-1R2
PROJECT: 1071 Howell Mill
LOCATION: Atlanta, Georgia
DRILLED: September 29, 2015
PROJECT NO.: 6121-12-0124

amec foster wheeler



SOIL TEST BORING 1071 HOWELL MILL.GPJ AMEC.GDT 10/13/15

DRILLER:	Atlas Geosampling
EQUIPMENT:	Power Probe
METHOD:	Direct Push
HOLE DIA.:	2.5 inches
REMARKS:	Depth to groundwater measured on 9/29/15 at 23.82 feet.

Prepared by: S. Davenport Reviewed by: C. Ferry

THIS RECORD IS A REASONABLE INTERPRETATION OF SUBSURFACE CONDITIONS AT THE EXPLORATION LOCATION. SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND AT OTHER TIMES MAY DIFFER. INTERFACES BEWEEN STRATA ARE APPROXIMATE. TRANSITIONS BETWEEN STRATA MAY BE GRADUAL.

SOIL TEST BORING RECORD

BORING NO.: MW-3R
PROJECT: 1071 Howell Mill
LOCATION: Atlanta, Georgia
DRILLED: September 28, 2015
PROJECT NO.: 6121-12-0124

amec foster wheeler

APPENDIX B
WELL DEVELOPMENT RECORDS

DTW 23.30
DTB 35.00

Attachment 4.4

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:

Identify Measuring Point (MP): 40 C
(e.g. Top of Casing)

Well ID: MW 1R2

Field Sampling Personnel: GMZ

Depth to Screen below MP: 20 of screen (Top) 35 of screen (Bottom)

Pump Intake at (ft. below MP): 28

Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
9/29/15	1225	23.30	300	5.27	.289	283	4.37	21.52	-75				
	1230	23.81	300	5.35	.306	128	1.04	21.49	-92				
	1235	24.01	300	5.37	.301	72	.99	21.51	-88				Purge 1 GAL Before Start my Reading.
	1240	24.02	300	5.37	.305	50	.92	21.48	-91				
	1245	24.02	300	5.37	.305	15	.97	21.51	-102				
	1250	24.02	300	5.38	.305	9	.94	21.53	-102				
													Sample Time 1250

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

DTW 2382
DTB 3480

Attachment 4.4

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:

Identify Measuring Point (MP): TOC
(e.g. Top of Casing)

page ___ of ___

Well ID: MW3R
Field Sampling Personnel:

Depth to Screen below MP: 20 (Top) of screen 35 (Bottom) of screen

Pump Intake at (ft. below MP): 28'

Purging Device (Pump Type):
(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Date	Time 24 hr	Depth to Water Below MP ft	Purge Rate mL/min	pH pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	CHEMetrics DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
9/29/15	1115	23.82	250	6.01	.300	225	3.17	21.11	-59				
	1120	24.91	250	6.04	.299	231	2.90	21.06	-66				
	1125	25.02	250	5.94	.293	187	1.89	20.80	-80				Purged 1 Gal
	1130	25.40	250	5.89	.290	115	1.88	20.78	-95				before starting
	1135	25.40	250	5.53	.292	88	1.80	20.74	-55				Readings.
	1140	25.42	250	5.91	.295	31	1.86	20.66	-100				
	1145	25.41	250	5.89	.294	12	1.91	20.65	-98				
	1150	25.41	250	5.90	.292	9	2.00	20.66	-100				
													1150 Sample Time
				1150 Sample Time									

Notes:
Note when "Stabilization " has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

±0.1 for pH
±10 mV for redox
±3% for specific cond.
±10% for DO
<20 NTUs for turbidity
NA for temperature

If stabilization does not occur within 2 hours, contact Site Manager for action.
If well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

APPENDIX C
LABORATORY REPORTS

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 01, 2015

Steve Davenport
AMEC E&I, Inc. - Plasters
2677 Buford Highway NE
Atlanta GA 30324

TEL: (404) 788-7909
FAX: (404) 817-0183

RE: 1071 Howell Mill Rd.

Dear Steve Davenport: Order No: 1509P25

Analytical Environmental Services, Inc. received 3 samples on 9/29/2015 2:20:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Ioana Pacurar

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1509P25

Date: ______ Page 1 of 1

COMPANY: Amec Foster Wheeler

ADDRESS: 2677 Buford Hwy Atlanta, Ga 30324

PHONE: 404-873-4761

FAX:

SAMPLED BY: P. Gazzo

SIGNATURE: [signature]

ANALYSIS REQUESTED: VOCs

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	REMARKS	No # of Containers
1	MW1R2	9/29/15	1250	✓		GW	✓		2
2	MW3R	9/29/15	1150	✓		GW	✓		2
3	Trip Blank								2
4	Temp								1
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

PRESERVATION (See codes)

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	9/29/15 1420	[signature]	9/29/15 1420
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: 1071 Howell Mill Rd

PROJECT #: 6121120124.03

SITE ADDRESS: 1071 Howell Mill Rd Atlanta, Ga

SEND REPORT TO: S. Davenport / C. Fosen

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: ______ PO#: ______

RECEIPT

Total # of Containers: 7

Turnaround Time Request
- ○ Standard 5 Business Days
- ⦿ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other ______

STATE PROGRAM (if any): ______

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER ______

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	**Client Sample ID:**	MW1R2
Project Name:	1071 Howell Mill Rd.	**Collection Date:**	9/29/2015 12:50:00 PM
Lab ID:	1509P25-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,1-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dibromoethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,2-Dichloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
2-Butanone	BRL	50		ug/L	213644	1	09/30/2015 03:43	CH
2-Hexanone	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
4-Methyl-2-pentanone	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Acetone	BRL	50		ug/L	213644	1	09/30/2015 03:43	CH
Benzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Bromodichloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Bromoform	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Bromomethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Carbon disulfide	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Carbon tetrachloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Chlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Chloroethane	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Chloroform	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Chloromethane	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Cyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Dibromochloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Dichlorodifluoromethane	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Ethylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Freon-113	BRL	10		ug/L	213644	1	09/30/2015 03:43	CH
Isopropylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
m,p-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methyl acetate	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methylcyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Methylene chloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
o-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	**Client Sample ID:**	MW1R2
Project Name:	1071 Howell Mill Rd.	**Collection Date:**	9/29/2015 12:50:00 PM
Lab ID:	1509P25-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Tetrachloroethene	11	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Toluene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Trichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Trichlorofluoromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:43	CH
Vinyl chloride	BRL	2.0		ug/L	213644	1	09/30/2015 03:43	CH
Surr: 4-Bromofluorobenzene	89.2	70.6-123		%REC	213644	1	09/30/2015 03:43	CH
Surr: Dibromofluoromethane	89.6	78.7-124		%REC	213644	1	09/30/2015 03:43	CH
Surr: Toluene-d8	96.8	81.3-120		%REC	213644	1	09/30/2015 03:43	CH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	**Client Sample ID:**	MW3R
Project Name:	1071 Howell Mill Rd.	**Collection Date:**	9/29/2015 11:50:00 AM
Lab ID:	1509P25-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,1-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dibromoethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dichloroethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,2-Dichloropropane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
2-Butanone	BRL	50		ug/L	213644	1	09/30/2015 03:19	CH
2-Hexanone	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
4-Methyl-2-pentanone	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Acetone	BRL	50		ug/L	213644	1	09/30/2015 03:19	CH
Benzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Bromodichloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Bromoform	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Bromomethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Carbon disulfide	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Carbon tetrachloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Chlorobenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Chloroethane	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Chloroform	5.8	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Chloromethane	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Cyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Dibromochloromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Dichlorodifluoromethane	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Ethylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Freon-113	BRL	10		ug/L	213644	1	09/30/2015 03:19	CH
Isopropylbenzene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
m,p-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methyl acetate	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methylcyclohexane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Methylene chloride	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
o-Xylene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	**Client Sample ID:**	MW3R
Project Name:	1071 Howell Mill Rd.	**Collection Date:**	9/29/2015 11:50:00 AM
Lab ID:	1509P25-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Tetrachloroethene	65	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Toluene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Trichloroethene	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Trichlorofluoromethane	BRL	5.0		ug/L	213644	1	09/30/2015 03:19	CH
Vinyl chloride	BRL	2.0		ug/L	213644	1	09/30/2015 03:19	CH
Surr: 4-Bromofluorobenzene	83	70.6-123		%REC	213644	1	09/30/2015 03:19	CH
Surr: Dibromofluoromethane	95.4	78.7-124		%REC	213644	1	09/30/2015 03:19	CH
Surr: Toluene-d8	96.7	81.3-120		%REC	213644	1	09/30/2015 03:19	CH

Qualifiers:

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	**Client Sample ID:**	TRIP BLANK
Project Name:	1071 Howell Mill Rd.	**Collection Date:**	9/29/2015
Lab ID:	1509P25-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1-Dichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,1-Dichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dibromoethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dichloroethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,2-Dichloropropane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
2-Butanone	BRL	50		ug/L	213644	1	09/29/2015 21:37	CH
2-Hexanone	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
4-Methyl-2-pentanone	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Acetone	BRL	50		ug/L	213644	1	09/29/2015 21:37	CH
Benzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Bromodichloromethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Bromoform	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Bromomethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Carbon disulfide	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Carbon tetrachloride	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Chlorobenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Chloroethane	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Chloroform	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Chloromethane	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Cyclohexane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Dibromochloromethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Dichlorodifluoromethane	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Ethylbenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Freon-113	BRL	10		ug/L	213644	1	09/29/2015 21:37	CH
Isopropylbenzene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
m,p-Xylene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methyl acetate	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methylcyclohexane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Methylene chloride	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
o-Xylene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH

Qualifiers:

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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 1-Oct-15

Client:	AMEC E&I, Inc. - Plasters	**Client Sample ID:**	TRIP BLANK
Project Name:	1071 Howell Mill Rd.	**Collection Date:**	9/29/2015
Lab ID:	1509P25-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Tetrachloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Toluene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Trichloroethene	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Trichlorofluoromethane	BRL	5.0		ug/L	213644	1	09/29/2015 21:37	CH
Vinyl chloride	BRL	2.0		ug/L	213644	1	09/29/2015 21:37	CH
Surr: 4-Bromofluorobenzene	84.4	70.6-123		%REC	213644	1	09/29/2015 21:37	CH
Surr: Dibromofluoromethane	87.8	78.7-124		%REC	213644	1	09/29/2015 21:37	CH
Surr: Toluene-d8	90.1	81.3-120		%REC	213644	1	09/29/2015 21:37	CH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- E Estimated (value above quantitation range)
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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1509P25

Checklist completed by [signature] 9/29/2015
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other ____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.1°C Cooler #2 ____ Cooler #3 ____ Cooler #4 ____ Cooler#5 ____ Cooler #6 ____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? ____ Checked by ____

Sample Condition: Good ✓ Other(Explain) ____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT

BatchID: 213644

Sample ID: **MB-213644** Client ID: Units: **ug/L** Prep Date: **09/28/2015** Run No: **300843**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **213644** Analysis Date: **09/29/2015** Seq No: **6431939**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT

BatchID: 213644

Sample ID: **MB-213644**	Client ID:		Units: **ug/L**	Prep Date: **09/28/2015**	Run No: **300843**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **213644**	Analysis Date: **09/29/2015**	Seq No: **6431939**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	41.41	0	50.00		82.8	70.6	123				
Surr: Dibromofluoromethane	48.92	0	50.00		97.8	78.7	124				
Surr: Toluene-d8	46.14	0	50.00		92.3	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT

BatchID: 213644

Sample ID: **LCS-213644** Client ID: Units: **ug/L** Prep Date: **09/28/2015** Run No: **300975**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **213644** Analysis Date: **09/29/2015** Seq No: **6432549**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.58	5.0	50.00		115	64.2	137				
Benzene	49.52	5.0	50.00		99.0	72.8	128				
Chlorobenzene	52.26	5.0	50.00		105	72.3	126				
Toluene	48.13	5.0	50.00		96.3	74.9	127				
Trichloroethene	45.94	5.0	50.00		91.9	70.5	134				
Surr: 4-Bromofluorobenzene	41.57	0	50.00		83.1	70.6	123				
Surr: Dibromofluoromethane	49.49	0	50.00		99.0	78.7	124				
Surr: Toluene-d8	46.90	0	50.00		93.8	81.3	120				

Sample ID: **1509J70-003AMS** Client ID: Units: **ug/L** Prep Date: **09/28/2015** Run No: **300975**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **213644** Analysis Date: **09/29/2015** Seq No: **6435079**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	70.33	5.0	50.00		141	60.5	156				
Benzene	57.19	5.0	50.00		114	70	135				
Chlorobenzene	57.44	5.0	50.00		115	70.5	132				
Toluene	53.01	5.0	50.00		106	70.5	137				
Trichloroethene	52.12	5.0	50.00		104	71.8	139				
Surr: 4-Bromofluorobenzene	40.48	0	50.00		81.0	70.6	123				
Surr: Dibromofluoromethane	52.59	0	50.00		105	78.7	124				
Surr: Toluene-d8	46.99	0	50.00		94.0	81.3	120				

Sample ID: **1509J70-003AMSD** Client ID: Units: **ug/L** Prep Date: **09/28/2015** Run No: **300975**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **213644** Analysis Date: **09/29/2015** Seq No: **6435080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	68.26	5.0	50.00		137	60.5	156	70.33	2.99	20	
Benzene	56.41	5.0	50.00		113	70	135	57.19	1.37	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: 1071 Howell Mill Rd.
Workorder: 1509P25

ANALYTICAL QC SUMMARY REPORT

BatchID: 213644

Sample ID: **1509J70-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **09/28/2015** Run No: **300975**
BatchID: **213644** Analysis Date: **09/29/2015** Seq No: **6435080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	56.35	5.0	50.00		113	70.5	132	57.44	1.92	20	
Toluene	52.46	5.0	50.00		105	70.5	137	53.01	1.04	20	
Trichloroethene	47.71	5.0	50.00		95.4	71.8	139	52.12	8.84	20	
Surr: 4-Bromofluorobenzene	39.38	0	50.00		78.8	70.6	123	40.48	0	0	
Surr: Dibromofluoromethane	51.02	0	50.00		102	78.7	124	52.59	0	0	
Surr: Toluene-d8	47.36	0	50.00		94.7	81.3	120	46.99	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX D
PHOTOGRAPHS

Photo 1. View of asphalt parking over southern half of site.

Photo 2. View of interior of restaurant space with plumbing trenches and stub-ups.

Photo 3. View of plumbing trench inside future tenant space.

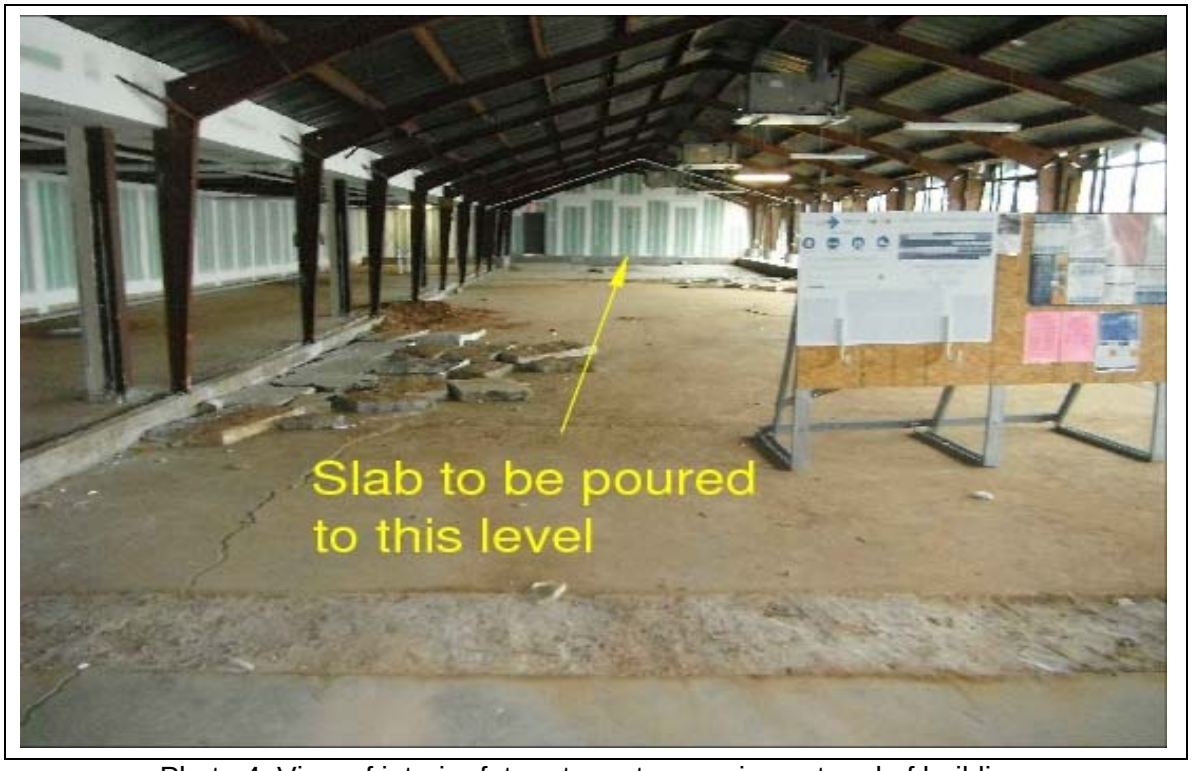

Photo 4. View of interior future tenant space in east end of building.

Photo 5. View of installation of monitoring well MW-1R2 in progress. Note fence and gate along Howell Mill Road.

Photo 6. View of installation of MW-3R in progress.

APPENDIX E
INSPECTION AND MAINTENANCE REPORT

1071 HOWELL MILL ROAD, ATLANTA, GEORGIA
Inspection and Maintenance Report

INSPECTION ITEM	OBSERVATION		CONDITION			COMMENTS (Indicate Location)
	Yes	No	NA	MN	IA	
TYPE 5 RRS COMPLIANCE						
Barrier Penetration Performed This Period	X					Barrier penetrations resurfaced with concrete, clean borrow soil or crushed stone. Tenant space plumbing installation not yet complete.
Institutional Controls Maintained						Environmental covenant to be filed upon completion of construction.
SURFICIAL BARRIER OBSERVATIONS						
Floor Slab	X				X	Penetrations for tenant space plumbing to be addressed.
Pavement	X		X			Pavement replaced over location of underground detention vault
Soil Barrier		X				No clean soil barrier has been breached.
OTHER OBSERVATIONS		X				

DATE OF INSPECTION	October 13, 2015	**INSPECTOR**	Chuck Ferry
			(Print)
			(Signature)

Notes:
NA - No Action Needed
MN - Maintenance Needed
IA - Immediate Attention Needed

APPENDIX F

SUMMARY OF PROFESSIONAL HOURS

Charles T. Ferry, P.E.
Summary of Hours and Services During 7th Semi-Annual Progress Period
Former Sunlow, Inc.
1071 Howell Mill Road, Atlanta, Georgia
HSI Site No. 10637

Summary of Hours for Voluntary Remediation Program Activities

(1) Prepare October 15 Semi-Annual VRP Progress Report
4.0 hours invoiced between 5/1/15 and10/15/15