June 28, 2013

Mr. Jason Metzger
Georgia Department of Natural Resources
Response and Remediation Program
2 Martin Luther King, Jr. Drive
S.E. Suite 1462, East Tower
Atlanta, Georgia 30334-9000

RE: Voluntary Remediation Program Semi-Annual Progress Report #2
Tara Shopping Center
8564 Tara Boulevard, Jonesboro, Clayton County, Georgia
Tax Parcel ID 13242D B001; HSI Site No. 10798

Dear Mr. Metzger,

On behalf of Ashland Inc. (Ashland), EHS Support LLC (EHS Support) is submitting this Semi-Annual Progress Report (progress report) for the site referenced above (Site). Remediation activities are being completed under the Voluntary Remediation Program (VRP). Ashland is implementing In-situ Solidification Stabilization (ISS) using large diameter auger to treat tetrachloroethene (PCE) impacted soils within the source area (former dry cleaner site). This progress report provides a summary of activities completed between December 22, 2012 and June 21, 2013.

Source Area Remediation

During the Spring of 2013, Ashland and its subcontractors, WRScompass and EHS Support, finalized the details for source area remediation, including the Statement of Work which established the Site specific performance criteria for ISS and Site specific work plans for demolition, asbestos abatement and remedial design. A copy of the Remedial Design Plan is provided as **Attachment A**.

Field activities were initiated during the week on June 10, 2013. Activities included final utility disconnects and permitting in preparation for building demolition. As of June 21, 2013, building demolition of the former dry cleaner facility and adjacent unit is complete. The ISS soil mixing equipment including the crane, batch plant, and large diameter augers (LDA) will be mobilized to the Site the week of June 24, 2013. A tentative start date for ISS implementation is the week of July 8, 2013. The project schedule for implementation is provided in Appendix B of the Remedial Design Plan.

A summary of the professional engineer's time associated with work plan preparation and pre-mobilization activities is provided as **Attachment B.**

Utilities within the Treatment Area

As part of Site preparation activities, public utilities authorities including City of Jonesboro Code Enforcement, Georgia Power, Clayton County Water Authority, and Atlanta Gas & Light, were contacted to identify overhead and subsurface utilities within the treatment area. Utility authorities confirmed the presence of subsurface utilities bisecting the eastern portion of the treatment area (refer to **Figure 1**). WRScompass proposed the following remedies to manage overhead and subsurface utilities within the ISS treatment area to maximize the overall treatment area.

- The private 8-inch diameter terra cotta sanitary sewer line that bisects the treatment area will be bypassed to facilitate the ISS work. Sewer water will be conveyed to the existing manhole to the

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south of the ISS area via a 4-inch PVC line. After completion of the ISS work in the vicinity of the sanitary sewer line, WRScompass will excavate through the stabilized material to establish connection with the terra cotta pipe both upstream and downstream of the ISS area. Material cut to install the sewer pipe will be relocated to the west and incorporated into on-going ISS treatment. The sewer pipe run will be re-established using 8-inch ductile iron pipe and the sewer trench will be backfilled back to grade with bedding stone.

- A gas main was identified in the treatment area. Utility authorities have stated this line cannot be terminated, shut-off or relocated. As a result, WRScompass must work around this gas line.
- Georgia Power will be on-site to shield the overhead utilities along Fayetteville Road during Site work completed in close distance to overhead utilities.

Pre-Remediation Monitoring Well Sampling

A comprehensive groundwater sampling event was completed as part of the pre-remediation activities during the week of May 6, 2013. Depth of water measurements were recorded from all monitoring wells within the network to the nearest 0.01 foot in accordance with the operating procedures published by the United States Environmental Protection Agency (USEPA) Science and Ecosystems Support Division (SESDPROC-105-R2). Depth to groundwater within the ISS treatment area generally averages 25 feet below grade. Monitoring well MW-2A (installed to 25 feet below grade) has remained dry during routine sampling events completed between 2008 and 2013. Groundwater elevation data overtime is provided on **Table 1**.

Groundwater samples were collected from new and existing monitoring wells including recently installed monitoring well cluster MW-18A/B (former Dunkin Donuts property at 8650 Tara Boulevard) and MW-19A/B/C and MW-20C (Flint River Shopping Center at 8639 Tara Boulevard). Groundwater sampling activities were completed in accordance with operating procedures issued by the USEPA Science and Ecosystems Support Division. Sample methodology was based on the volume of water identified in the each monitoring well. Monitoring wells with greater than two feet of water column were purged and sampled with a submersible bladder pump using low-flow sampling techniques. Monitoring wells with less than two feet of water column were purged three well volumes and sampled using a disposable bailer. Water quality parameters including dissolved oxygen, temperature, turbidity, specific conductivity, and oxygen reduction potential were recorded at each location. All samples were packed on ice and shipped under chain-of-custody to TestAmerica in Savannah, Georgia for analysis of volatile organic compounds (VOCs) using USEPA Method 8260B. Select monitoring wells were additionally analyzed for geochemical parameters as part of the ongoing evaluation of natural attenuation . The well sampling logs are currently under review and will be provided with the final remediation report following ISS implementation.

Shallow Site monitoring wells MW-1A and MW-2A were dry and therefore were not sampled. Monitoring well cluster MW-6A/B is located approximately 1,200 feet south and cross-gradient from the Site boundary. Samples collected between 2006 through 2009 did not identify the presence of VOCs; therefore, these wells were not sampled. Two grab surface water samples were collected from the intermittent unnamed creek west of the Site and Tara Boulevard. Surface water sample SS-1 was collected downstream and in close proximity of the stormwater culvert. Surface water sample SS-2 was collected approximately 100 feet downstream of SS-1. Both surface water samples were sent to TestAmerica for analysis for VOCs (8260B). A summary of the groundwater sampling program is provided on **Table 2**.

During groundwater purging and sampling, evidence of potassium permanganate (purple colored water) was observed in groundwater purged from monitoring wells MW-11B, MW-17A and MW-8B.

Monitoring wells MW-11B and MW-17A are located in the injection area. Monitoring well MW-8B is approximately 250 feet northwest (side-gradient to downgradient) of the pilot study (injection) location in 2009. The presence of the potassium permanganate at this location suggests continued mobility within the formation. Based on these findings, Ashland may re-evaluate the viability of potassium permanganate to supplement the proposal for monitored natural attenuation.

Monitoring Well Abandonment

Following pre-remediation groundwater sampling, source area monitoring wells (MW-2A, MW-2B and MW-2C) were abandoned in place by Geo Lab of Dacula, Georgia. Monitoring wells were tremie-grouted from the bottom up with a bentonite-cement grout mixture. Monitoring wells MW-2A and MW-2B will be removed during excavation of surface soil in the source area as part of the ISS implementation. Residual well casing (greater than 5 feet in depth) will be encompassed within the ISS soil mixing. Bedrock monitoring well MW-2C was installed with a six-inch diameter steel protective casing set into rock at approximately 70 feet below grade. Based on the depth of the permanent six-inch diameter casing, successful removal of the casing is not anticipated; therefore, WRScompass will work around the well casing during the ISS implemenation.

Groundwater Results

Pursuant to the Georgia Environmental Protection Division (EPD), groundwater delineation to Type 1 Risk Reduction Standards is required to fulfill obligations under the VRP. A tabulated summary of analytical results compared to the Type 1 Risk Reduction Standards is provided on **Table 3**. A copy of the laboratory analytical packages and well sampling forms are under review and will be provided as part of the final remediation report following completion of ISS treatment.

The constituents of concern (COCs) identified at the Site are PCE and its degradation products, trichloroethene (TCE), cis-1,2-dichloroethene, and vinyl chloride. Concentrations of COCs from initial sampling in 2006 to current conditions in 2013 are depicted on **Figure GW-1**. Isoconcentations maps for each COC within the unconsolidated shallow and intermediate/deep aquifer and the consolidated bedrock aquifer (A-B-C zones, respectively) are provided on **Figure GW-2 through 11.**

Benzene was identified above the Type 1 RRS of 5 micrograms per liter (µg/L) in Prax Air monitoring well MW-13A at 33 µg/L and in Flint River Shopping Center monitoring well MW-19A (750 ug/L). Concentrations of 1,2-dichloroethane, ethylbenzene, and xylenes were also identified in groundwater collected from MW-19A. 1,2-dichloroethane was detected at 67 µg/l, exceeding the Type 1 RRS of 5 µg/L. Gasoline related VOCs are not considered COCs associated with Tara Shopping Center and do not warrant additional investigation by Ashland. Chloroform was identified in several monitoring wells sampled below the Type 1 RRS of 80 µg/L and is not considered a COC. Refer to **Table 3**.

PCE was detected above the Type 1 RRS in surface water samples collected from the unnamed creek (SS-1 and SS-2). A summary of analytical data is provided on **Table 4**. Delineation sampling was previously completed in March 2011. Surface water samples were collected downgradient of SS-1 and SS-2 within the tributaries to the Flint River. This information was presented in the surface water monitoring report, dated May 23, 2011. On May 3, 2013, Ashland received a request from Georgia EPD (Mr. Charles D. Williams), requesting the most current surface water sampling results. A copy of the completed form is provided as **Attachment C**.

Groundwater Delineation Discussion

Historical analytical results have identified two VOC groundwater plumes (primarily PCE) migrating east to west beneath Tara Boulevard. For discussion purposes, Plume A migrates from the source area (dry

cleaner site) toward the unnamed creek. Plume B migrates from Prax Air (8660 Tara Boulevard) toward the unnamed creek. At the request of Georgia EPD, monitoring well cluster MW-18A/B was installed to verify plume separation. PCE was detected below the Type 1 RRS in groundwater samples collected from monitoring wells MW-18A and MW18B and therefore, demonstrates that the southern extent of Plume A (east of Tara Boulevard) has been identified and that the primarily flow pathway is west beneath Tara Boulevard. Refer to **Figure 2**.

Monitoring well cluster MW-19A/B/C is located on the west side of Tara Boulevard, approximately 450 feet southwest of monitoring well cluster MW-16A/B/C. Monitoring well cluster MW-19 was installed to delineate VOC impacts observed in MW-16 cluster (Refer to **Figure 2**). Neither PCE nor TCE were detected in shallow monitoring well MW-19A at 30 feet below grade. However, analytical results identified PCE and TCE at concentrations above the Type 1 RRS of 5 μg/L in intermediate unconsolidated monitoring well MW-19B at 60 feet below grade (370 μg/L and 27 μg/L, respectively) and deep unconsolidated monitoring well MW-19C at 85 feet below grade (150 μg/L and 7.2 μg/L, respectively). As a result, groundwater delineation, to the southwest, is not complete at this time. Note: Due to the unexpected depth to bedrock, greater than 85 feet below grade, monitoring Well MW-19B was installed in the intermediate unconsolidated aquifer and MW-19C was installed in the deep unconsolidated aquifer.

Monitoring well MW-20C was installed within consolidated bedrock on the south side of the unnamed creek at approximately 45 feet below grade. The creek is located in a ravine approximately 35-45 feet below MW-20C. PCE was identified at a concentration of 18 μg/L above the Type 1 RRS of 5 μg/L. Due to the lack of unconsolidated aquifer overlying MW-20C, evidence of PCE in the consolidated aquifer in the vicinity of MW-20C supports the upward migration of groundwater toward the unnamed creek. However, based on the distribution of contaminants west of Tara Boulevard and field observations during well installation of monitoring well clusters MW-19 and MW-20 (dipping bedrock), additional lithologic information is needed to evaluate the influence on contaminant migration west of Tara Boulevard toward the unnamed creek.

As proposed in the Groundwater Correction Action Investigation Workplan, dated July 8, 2011, Ashland is continuing its efforts to install additional monitoring wells east and west of Tara Shopping Center. Provided below is a summary of activities to obtain access.

Off-site Monitoring Well Installation

Multiple attempts to negotiate access with the property owner and their attorneys at 8557 Tara Boulevard (West Indies) have been unsuccessful. On March 26, 2013, Ashland submitted a formal request to the State of Georgia Department of Transportation (DOT) to request access within the DOT right-of-way (ROW) along Tara Boulevard (State Highway 41) and Fayetteville Road (State Highway 54). The purpose of this request was to install monitoring wells east of source area (MW-2 cluster), as well as, west and downgradient of Site monitoring well clusters MW-7 and MW-8. On Friday, June 21, 2013, Mr. Chris McKinney of Georgia DOT contacted EHS Support and stated the permit application to install monitoring wells within the public right of way was placed in the mail. Following receipt, Ashland will need to provide a performance bond.

An access agreement is in place for proposed wells east of Prax Air. These monitoring wells will be installed on private property following Georgia DOT approval for the well locations referenced above. A Site plan identifying the location of the proposed monitoring wells is provided as **Attachment C**.

Remediation Schedule

As noted above, ISS implementation will commence the week of July 8, 2103. Ashland is planning a Site visit on Thursday, July 11, 2013 to observe ISS activities. Ashland welcomes EPD to visit the Site on July 11th to observe ISS implementation and review the locations of off-site monitoring well locations.

Based on the concentrations gradients observed in Plume B, Ashland proposes to complete additional desk-top reconnaissance on the historical operations at Prax Air (8660 Tara Boulevard) to evaluate the potential for historical operation contributing to VOCs in the subsurface.

Ashland will finalize soil boring and well construction logs for newly installed monitoring wells (MW-18A/B, MW-19A/B/C and MW-20C). This information along with information obtained from USGS Geologic Maps (Altanta Quadrangle) will be used to update lithologic cross-sections and identify information needed (if any) to complete the groundwater conceptual model. Recommendations based on these findings will be presented to Georgia EPD under a separate cover.

If you should have any questions regarding the information presented in this progress report, please contact me at michelle.stayrook@ehs-support.com or 412-807-1494. Alternatively you can contact Michael Dever at mbdever@ashland.com or 614-790-1586.

Sincerely,

Michelle Stayrook

Michelle Stayrook
EHS Support
Project Manager

Attachments

cc: Michael Dever, Ashland (email)
Rich Williams, Esq. Ashland (email)
Kristin VanLandingham, EHS Support (email)

TABLES

Table 1 - Summary of Historical Groundwater Elevations, October 2008 through May 2013
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

	Well Identification	Date of Measurement	Top of Casing Elevation (ft. above MSL)	Depth to Water (ft. below TOC)	Groundwater Elevation (ft. MSL)
Shallow Residuum	MW-1A	08/30/06	898.81	24.55	874.26
	MW-1A	10/06/08	898.81	DRY	DRY
	MW-1A	08/19/09	898.81	DRY	DRY
	MW-1A	05/16/11	898.81	DRY	DRY
	MW-1A	05/07/13	898.81	24.60	874.21
	MW-2A	08/30/06	896.63	24.50	872.13
	MW-2A	10/06/08	896.63	DRY	DRY
	MW-2A	08/19/09	896.63	DRY	DRY
	MW-2A	05/18/11	896.63	DRY	DRY
	MW-2A	05/07/13	896.63	DRY	DRY
	MW-3A	08/30/06	892.26	21.52	870.74
	MW-3A	10/06/08	892.26	24.21	868.05
	MW-3A	08/19/09	892.26	22.48	869.78
	MW-3A	05/17/11	892.26	20.38	871.88
	MW-3A	05/08/13	892.26	19.53	872.73
	MW-4A	08/30/06	884.52	13.92	870.60
	MW-4A	10/06/08	884.52	17.17	867.35
	MW-4A	08/19/09	884.52	15.45	869.07
	MW-4A	05/23/11	884.52	13.64	870.88
	MW-4A	05/09/13	884.52	11.05	873.47
	MW-5A	08/30/06	883.40	14.15	869.25
	MW-5A	10/06/08	883.40	16.98	866.42
	MW-5A	08/19/09	883.40	15.35	868.05
	MW-5A	05/23/11	883.40	13.57	869.83
	MW-5A	05/09/13	883.40	14.61	868.79
	MW-6A	08/30/06	881.31	12.50	868.81
	MW-6A	10/06/08	881.31	15.81	865.50
	MW-6A	08/19/09	881.31	13.64	867.67
	MW-6A	05/16/11	881.31	11.26	870.05
	MW-6A	05/08/13	NS	NS	NS
	MW-8A	08/30/06	895.17	25.70	869.47
	MW-8A	10/06/08	895.17	27.80	867.37
	MW-8A	08/19/09	895.17	26.48	868.69
	MW-8A	05/18/11	895.17	25.51	869.66
	MW-8A	05/07/13	895.17	25.98	869.19
	MW-9A	08/30/06	891.59	22.24	869.35
	MW-9A	10/06/08	891.59	24.23	867.36
	MW-9A	08/19/09	891.59	22.52	869.07
	MW-9A	05/18/11	891.59	20.46	871.13
	MW-9A	05/09/13	891.59	19.22	872.37
	MW-10A	08/30/06	896.85	NI	NI
	MW-10A	10/06/08	896.85	27.85	869.00
	MW-10A	08/19/09	896.85	27.34	869.51
	MW-10A	05/19/11	896.85	26.32	870.53
	MW-10A	05/09/13	896.85	26.89	869.96
	MW-11A	08/30/06	893.92	NI	NI
	MW-11A	10/06/08	893.92	26.50	867.42
	MW-11A	08/19/09	893.92	25.00	868.92
	MW-11A	05/16/11	893.92	DRY	DRY
	MW-11A	05/09/13	893.92	24.11	869.81
	MW-12A	08/30/06	891.16	NI	NI

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MW-12A	10/06/08	891.16	23.49	867.67
MW-12A	08/19/09	891.16	21.75	869.41
MW-12A	05/16/11	891.16	19.56	871.60
MW-12A	05/09/13	891.16	17.50	873.66
MW-13A	08/30/06	880.99	NI	NI
MW-13A	10/06/08	880.99	14.02	866.97
MW-13A	08/19/09	880.99	12.11	868.88
MW-13A	05/16/11	880.99	9.98	871.01
MW-13A	05/09/13	880.99	7.60	873.39
MW-14A	08/30/06	899.66	NI	NI
MW-14A	10/06/08	899.66	28.78	870.88
MW-14A	08/19/09	899.66	27.20	872.46
MW-14A	05/01/11	899.66	26.12	873.54
MW-14A	05/08/13	899.66	27.41	872.25
MW-15A	08/30/06	887.96	NI	NI
MW-15A	10/06/08	887.96	22.55	865.41
MW-15A	08/19/09	887.96	21.24	866.72
MW-15A	05/20/11	887.96	20.34	867.62
MW-15A	05/08/13	887.96	19.87	868.09
MW-16A	08/30/06	879.36	NI	NI
MW-16A	10/06/08	879.36	14.57	864.79
MW-16A	08/19/09	879.36	13.06	866.30
MW-16A	05/23/11	879.36	11.78	867.58
MW-16A	05/09/13	879.36	11.78	867.58
MW-17A	05/16/11	NS	23.81	NS
MW-17A	05/09/13		24.15	

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	Well Identification	Date of Measurement	Top of Casing Elevation (ft. above MSL)	Depth to Water (ft. below TOC)	Groundwater Elevation (ft. MSL)
Deep Residuum	MW-2B	08/30/06	896.51	25.12	871.39
	MW-2B	10/06/08	896.51	27.79	868.72
	MW-2B	08/19/09	896.51	26.26	870.25
	MW-2B	05/16/11	896.51	24.92	871.59
	MW-2B	05/08/13	896.51	25.45	871.06
	MW-3B	08/30/06	892.39	19.60	872.79
	MW-3B	10/06/08	892.39	24.26	868.13
	MW-3B	08/19/09	892.39	22.82	869.57
	MW-3B	05/17/11	892.39	20.58	871.81
	MW-3B	05/08/13	892.39	19.59	872.80
	MW-4B	08/30/06	884.55	14.24	870.31
	MW-4B	10/06/08	884.55	17.32	867.23
	MW-4B	08/19/09	884.55	15.60	868.95
	MW-4B	05/23/11	884.55	13.38	871.17
	MW-4B	05/09/13	884.55	10.88	873.67
	MW-5B	08/30/06	883.35	14.40	868.95
	MW-5B	10/06/08	883.35	16.95	866.40
	MW-5B	08/19/09	883.35	15.12	868.23
	MW-5B	05/23/11	883.35	13.36	869.99
	MW-5B	05/09/13	883.35	11.96	871.39
	MW-6B	08/30/06	881.42	12.80	868.62
	MW-6B	10/06/08	881.42	16.00	865.42
	MW-6B	08/19/09	881.42	13.86	867.56
	MW-6B	05/16/11	881.42	11.59	869.83
	MW-6B	05/09/13	881.42	NS	NS
	MW-7B	08/30/06	896.96	27.00	869.96
	MW-7B	10/06/08	896.96	29.02	867.94
	MW-7B	08/19/09	896.96	27.79	869.17
	MW-7B	05/16/11	896.96	26.99	869.97
	MW-7B	05/08/13	896.96	27.55	869.41
	MW-8B	08/30/06	895.04	25.60	869.44
	MW-8B	10/06/08	895.04	27.78	867.26
	MW-8B	08/19/09	895.04	26.40	868.64
	MW-8B	05/18/11	895.04	25.43	869.61
	MW-8B	05/08/13	895.04	25.90	869.14
	MW-9B	08/30/06	892.02	23.30	868.72
	MW-9B	10/06/08	892.02	24.84	867.18
	MW-9B	08/19/09	892.02	23.17	868.85
	MW-9B	05/18/11	892.02	21.28	870.74
	MW-9B	05/08/13	892.02	20.25	871.77
	MW-10B	08/30/06	896.73	NI	NI
	MW-10B	10/06/08	896.73	28.98	867.75
	MW-10B	08/19/09	896.73	27.43	869.30
	MW-10B	05/19/11	896.73	26.24	870.49
	MW-10B	05/08/13	893.76	26.77	866.99
	MW-11B	08/30/06	893.84	NI	NI
	MW-11B	10/06/08	893.84	26.51	867.33
	MW-11B	08/19/09	893.84	24.98	868.86
	MW-11B	05/19/11	893.84	23.73	870.11
	MW-11B	05/09/13	893.84	24.04	869.80
	MW-13B	08/30/06	881.00	NI	NI

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	MW-13B	10/06/08	881.00	14.23	866.77
	MW-13B	08/19/09	881.00	12.65	868.35
	MW-13B	05/23/11	881.00	10.99	870.01
	MW-13B	05/08/13	881.00	8.20	872.80
	MW-15B	08/30/06	888.07	NI	NI
	MW-15B	10/06/08	888.07	22.63	865.44
	MW-15B	08/19/09	888.07	21.32	866.75
	MW-15B	05/16/11	888.07	20.12	867.95
	MW-15B	05/08/13	888.07	19.68	868.39
	MW-16B	08/30/06	879.50	NI	NI
	MW-16B	10/06/08	879.50	14.60	864.90
	MW-16B	08/19/09	879.50	13.17	866.33
	MW-16B	05/23/11	879.50	11.91	867.59
	MW-16B	05/09/13	879.50	11.87	867.63

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	Well Identification	Date of Measurement	Top of Casing Elevation (ft. above MSL)	Depth to Water (ft. below TOC)	Groundwater Elevation (ft. MSL)
Bedrock	MW-1C	08/30/06	898.94	NI	NI
	MW-1C	10/06/08	898.94	37.92	861.02
	MW-1C	08/19/09	898.94	37.27	861.67
	MW-1C	05/18/11	898.94	36.93	862.01
	MW-1C	05/07/13	898.94	39.09	859.85
	MW-2C	08/30/06	896.72	NI	NI
	MW-2C	10/06/08	896.72	29.40	867.32
	MW-2C	08/19/09	896.72	27.37	869.35
	MW-2C	05/16/11	896.72	27.51	869.21
	MW-2C	05/07/13	896.72	26.60	870.12
	MW-5C	08/30/06	883.52	NI	NI
	MW-5C	10/06/08	883.52	18.33	865.19
	MW-5C	08/19/09	883.52	16.79	866.73
	MW-5C	05/16/11	883.52	15.76	867.76
	MW-5C	05/09/13	883.52	14.62	868.90
	MW-7C	08/30/06	896.95	NI	NI
	MW-7C	10/06/08	896.95	33.60	863.35
	MW-7C	08/19/09	896.95	32.94	864.01
	MW-7C	05/19/11	896.95	32.59	864.36
	MW-7C	05/08/13	896.95	33.22	863.73
	MW-8C	08/30/06	895.04	NI	NI
	MW-8C	10/06/08	895.04	30.30	864.74
	MW-8C	08/19/09	895.04	30.97	864.07
	MW-8C	05/18/11	895.04	62.23	832.81
	MW-8C	05/07/13	895.04	32.36	862.68
	MW-9C	08/30/06	891.83	NI	NI
	MW-9C	10/06/08	891.83	24.46	867.37
	MW-9C	08/19/09	891.83	22.81	869.02
	MW-9C	05/18/11	891.83	21.56	870.27
	MW-9C	05/08/13	891.83	23.21	868.62
	MW-10C	08/30/06	896.82	NI	NI
	MW-10C	10/06/08	896.82	28.90	867.92
	MW-10C	08/19/09	896.82	27.43	869.39
	MW-10C	05/19/11	896.82	31.88	864.94
	MW-10C	05/08/13	896.82	31.05	865.77
	MW-11C	08/30/06	894.07	NI	NI
	MW-11C	10/06/08	894.07	27.00	867.07
	MW-11C	08/19/09	894.07	25.63	868.44
	MW-11C	05/17/11	894.07	30.98	863.09
	MW-11C	05/09/13	894.07	25.07	869.00
	MW-13C	08/30/06	881.00	NI	NI
	MW-13C	10/06/08	881.00	14.27	866.73
	MW-13C	08/19/09	881.00	12.67	868.33
	MW-13C	05/23/11	881.00	10.28	870.72
	MW-13C	05/08/13	881.00	9.52	871.48

Table 1 - Summary of Historical Groundwater Elevations, October 2008 through May 2013
Tara Shopping Center
Jonesboro, Georgia
HSI 10798

	Well Identification	Date of Measurement	Top of Casing Elevation (ft. above MSL)	Depth to Water (ft. below TOC)	Groundwater Elevation (ft. MSL)
	MW-16C	08/30/06	878.82	NI	NI
	MW-16C	10/06/08	878.82	13.79	865.03
	MW-16C	08/19/09	878.82	15.06	863.76
	MW-16C	05/20/11	878.82	13.76	865.06
	MW-16C	05/09/13	878.82	13.59	865.23

Depth to bedrock in Deep Residuum - auger refusal
ft. = feet
MSL = Mean Sea Level
TOC = Top of Casing
NI - Not installed

Table 2 - Pre-Remediation Groundwater Monitoring Program, May 2013
Tara Shopping Center
Jonesboro, Georgia

	Well Identification	Pre In-situ Performance Evaluation Sampling Event					
		Gauging	VOCs (8260B)	Manganese (200.7)	Dissolved Iron ICP 200.7	Anions (300.0) Chloride & Sulfate	Dissolved Gases (RSK 175) Ethene, Ethane, Methane
1	MW-1A	X	DRY				
2	MW-1C	X	X				
3	MW-2A	X	DRY				
4	MW-2B	X	X	X	X	X	X
5	MW-2C	X	X	X	X	X	X
6	MW-3A	X	X				
7	MW-3B	X	X				
8	MW-4A	X	X				
9	MW-4B	X	X				
10	MW-5A	X	X	X	X	X	X
11	MW-5B	X	X	X	X	X	X
12	MW-5C	X	X	X	X	X	X
13	MW-6A	X	NS				
14	MW-6B	X	NS				
15	MW-7B	X	X				
16	MW-7C	X	X				
17	MW-8A	X	X	X	X	X	X
18	MW-8B	X	X	X	X	X	X
19	MW-8C	X	X	X	X	X	X
20	MW-9A	X	X	X	X	X	X
21	MW-9B	X	X	X	X	X	X
22	MW-9C	X	X	X	X	X	X
23	MW-10A	X	X				
24	MW-10B	X	X				
25	MW-10C	X	X				
26	MW-11A	X	X				
27	MW-11B	X	X				
28	MW-11C	X	X				
29	MW-12A	X	X				
30	MW-13A	X	X				
31	MW-13B	X	X				
32	MW-13C	X	X				
33	MW-14A	X	X				
34	MW-15A	X	X	X	X	X	X
35	MW-15B	X	X	X	X	X	X
36	MW-16A	X	X	X	X	X	X
37	MW-16B	X	X	X	X	X	X
38	MW-16C	X	X	X	X	X	X
39	MW-17A	X	X				
40	MW-18A	X	X				
41	MW-18B	X	X				
42	MW-19A	X	X				
43	MW-19B	X	X				
44	MW-19C	X	X				
45	MW-20C	X	X	X	X	X	X
STREAM SAMPING		X	X				

Table 3 - Summary of Groundwater Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-1C	MW-2B	MW-2C	MW-3A	MW-3B	DUP-050813	MW-4A
Lab Sample Number		**680-90099-1**	**680-90177-1**	**680-90099-2**	**680-90177-2**	**680-90177-3**	**680-90177-17**	**680-90201-1**
Sampling Date		**05/07/13**	**05/08/13**	**05/07/13**	**05/08/13**	**05/08/13**	**05/08/13**	**05/09/13**
Matrix		**Water**	**Water**	**Water**	**Water**	**Water**	**Water**	**Water**
Dilution Factor		**1**	**10**	**1**	**1**	**1**	**1**	**1**
Units		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
GC/MS VOA - 8260B		**Low**	**Low**	**Low**	**Low**	**Low**	**Low**	**Low**
Constituents of Concern								
Tetrachloroethene	5	4	790	45	49	1 U	1 U	1.3
Trichloroethene	5	1 U	41	3.1	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	1 U	39	5.6	1 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Other VOC Compounds								
1,1,1-Trichloroethane	200	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	400	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	200	10 U	100 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	NP	10 U	100 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	10 U	100 U	10 U	10 U	10 U	10 U	10 U
Acetone	400	25 U	250 U	25 U	25 U	25 U	25 U	25 U
Benzene	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	NP	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	400	2 U	20 U	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	NP	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NP	1 U	10 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	NP	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Dichlorobromomethane	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	3	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Styrene	100	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Toluene	1,000	1 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NP	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	10,000	2 U	20 U	2 U	2 U	2 U	2 U	2 U

QUALIFIERS

ug/L - micrograms per liter
U - value not detected above the laboratory reporting limit.
Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 3 - Summary of Groundwater Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-4B	MW-5A	MW-5B	MW-5C	MW-7B	MW-7C	MW-8A
Lab Sample Number		680-90201-2	680-90201-3	680-90201-4	680-90201-5	680-90177-4	680-90177-5	680-90099-3
Sampling Date		05/09/13	05/09/13	05/09/13	05/09/13	05/08/13	05/08/13	05/07/13
Matrix		Water	Water	Water	Water	Water	Water	Water
Dilution Factor		1	1	5	1	1	1	1
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
GC/MS VOA - 8260B		Low	Low	Low	Low	Low	Low	Low
Constituents of Concern								
Tetrachloroethene	5	1 U	1 U	370	4.4	5.3	3.6	140
Trichloroethene	5	1 U	1 U	200	1.9	1 U	1 U	9.2
cis-1,2-Dichloroethene	70	1 U	1 U	580	17	1 U	1 U	2.8
Vinyl chloride	2	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Other VOC Compounds								
1,1,1-Trichloroethane	200	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	400	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	200	10 U	10 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	NP	10 U	10 U	50 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Acetone	400	25 U	25 U	130 U	25 U	25 U	25 U	25 U
Benzene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromoform	80	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromomethane	NP	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Carbon disulfide	400	2 U	2 U	10 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chloroethane	NP	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Chloroform	80	1 U	1 U	5 U	1 U	1 U	1 U	1.3
Chloromethane	NP	1 U	1 U	5 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	NP	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Dichlorobromomethane	80	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Methylene Chloride	3	5 U	5 U	25 U	5 U	5 U	5 U	5 U
Styrene	100	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Toluene	1,000	1 U	1 U	5 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	1 U	5 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NP	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Xylenes, Total	10,000	2 U	2 U	10 U	2 U	2 U	2 U	2 U

QUALIFIERS

ug/L - micrograms per liter
U - value not detected above the laboratory reporting limit.
Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 3 - Summary of Groundwater Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-8B	MW-8C	MW-9A	MW-9B	MW-9C	MW-10A	MW-10B
Lab Sample Number		680-90177-6	680-90099-4	680-90201-6	680-90177-7	680-90177-8	680-90201-7	680-90177-9
Sampling Date		05/08/13	05/07/13	05/09/13	05/08/13	05/08/13	05/09/13	05/08/13
Matrix		Water	Water	Water	Water	Water	Water	Water
Dilution Factor		1	1	2	1	1	2	1
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
GC/MS VOA - 8260B		Low	Low	Low	Low	Low	Low	Low
Constituents of Concern								
Tetrachloroethene	5	2.8	6.8	230	1 U	1 U	270	7.7
Trichloroethene	5	1 U	1 U	29	1 U	1 U	27	1 U
cis-1,2-Dichloroethene	70	1 U	1 U	4.7	1 U	1 U	10	1 U
Vinyl chloride	2	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Other VOC Compounds								
1,1,1-Trichloroethane	200	1 U	1 U	2 U	1 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	0.2	1 U	1 U	2 U	1 U	1 U	2 U	1 U
1,1,2-Trichloroethane	5	1 U	1 U	2 U	1 U	1 U	2 U	1 U
1,1-Dichloroethane	400	1 U	1 U	2 U	1 U	1 U	2 U	1 U
1,1-Dichloroethene	7	1 U	1 U	2 U	1 U	1 U	2 U	1 U
1,2-Dichloroethane	5	1 U	1 U	2 U	1 U	1 U	2 U	1 U
1,2-Dichloropropane	5	1 U	1 U	2 U	1 U	1 U	2 U	1 U
2-Butanone (MEK)	200	10 U	10 U	20 U	10 U	10 U	20 U	10 U
2-Hexanone	NP	10 U	10 U	20 U	10 U	10 U	20 U	10 U
4-Methyl-2-pentanone (MIBK)	200	10 U	10 U	20 U	10 U	10 U	20 U	10 U
Acetone	400	25 U	25 U	50 U	25 U	25 U	50 U	25 U
Benzene	5	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Bromoform	80	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Bromomethane	NP	5 U	5 U	10 U	5 U	5 U	10 U	5 U
Carbon disulfide	400	2 U	2 U	4 U	2 U	2 U	4 U	2 U
Carbon tetrachloride	5	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Chlorobenzene	100	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Chlorodibromomethane	80	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Chloroethane	NP	5 U	5 U	10 U	5 U	5 U	10 U	5 U
Chloroform	80	1.3	1 U	2 U	1 U	3.6	9.7	1
Chloromethane	NP	1 U	1 U	2 U	1 U	1 U	2 U	1 U
cis-1,3-Dichloropropene	NP	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Dichlorobromomethane	80	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Ethylbenzene	700	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Methylene Chloride	3	5 U	5 U	10 U	5 U	5 U	10 U	5 U
Styrene	100	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Toluene	1,000	1 U	1 U	2 U	1 U	1 U	2 U	1 U
trans-1,2-Dichloroethene	100	1 U	1 U	4.2	1 U	1 U	2 U	1 U
trans-1,3-Dichloropropene	NP	1 U	1 U	2 U	1 U	1 U	2 U	1 U
Xylenes, Total	10,000	2 U	2 U	4 U	2 U	2 U	4 U	2 U

QUALIFIERS

ug/L - micrograms per liter
U - value not detected above the laboratory reporting limit.
Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 3 - Summary of Groundwater Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-10C	MW-11A	MW-11B	MW-11C	MW-12A	MW-13A	MW-13B
Lab Sample Number		**680-90177-10**	**680-90201-8**	**680-90201-9**	**680-90201-10**	**680-90201-11**	**680-90201-12**	**680-90177-11**
Sampling Date		**05/08/13**	**05/09/13**	**05/09/13**	**05/09/13**	**05/09/13**	**05/09/13**	**05/08/13**
Matrix		**Water**	**Water**	**Water**	**Water**	**Water**	**Water**	**Water**
Dilution Factor		**1**	**10**	**1**	**1**	**1**	**1**	**1**
Units		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
GC/MS VOA - 8260B		**Low**	**Low**	**Low**	**Low**	**Low**	**Low**	**Low**
Constituents of Concern								
Tetrachloroethene	5	20	1200	1 U	1.7	3.9	17	27
Trichloroethene	5	1 U	28	1 U	1 U	1 U	29	4.1
cis-1,2-Dichloroethene	70	1 U	19	1 U	1 U	1 U	120	16
Vinyl chloride	2	1 U	10 U	1 U	1 U	1 U	9.2	1 U
Other VOC Compounds								
1,1,1-Trichloroethane	200	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	400	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	200	10 U	100 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	NP	10 U	100 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	10 U	100 U	10 U	10 U	10 U	10 U	10 U
Acetone	400	25 U	250 U	25 U	25 U	25 U	25 U	25 U
Benzene	5	1 U	10 U	1 U	1 U	1 U	33	1 U
Bromoform	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	NP	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	400	2 U	20 U	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	1 U	10 U	2.2	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	NP	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Chloroform	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NP	1 U	10 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	NP	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Dichlorobromomethane	80	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	3	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Styrene	100	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Toluene	1,000	1 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	NP	1 U	10 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	10,000	2 U	20 U	2 U	2 U	2 U	2 U	2 U

QUALIFIERS

ug/L - micrograms per liter

U - value not detected above the laboratory reporting limit.

Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 3 - Summary of Groundwater Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-13C	MW-14A	MW-15A	MW-15B	MW-16A	MW-16B	MW-16C
Lab Sample Number		**680-90177-12**	**680-90177-13**	**680-90177-14**	**680-90177-15**	**680-90201-13**	**680-90201-14**	**680-90201-15**
Sampling Date		**05/08/13**	**05/08/13**	**05/08/13**	**05/08/13**	**05/09/13**	**05/09/13**	**05/09/13**
Matrix		**Water**	**Water**	**Water**	**Water**	**Water**	**Water**	**Water**
Dilution Factor		**1**	**1**	**5**	**1**	**5**	**10**	**5**
Units		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
GC/MS VOA - 8260B		**Low**	**Low**	**Low**	**Low**	**Low**	**Low**	**Low**
Constituents of Concern								
Tetrachloroethene	5	21	7	460	110	300	1000	840
Trichloroethene	5	2.6	1 U	73	3.4	43	68	58
cis-1,2-Dichloroethene	70	9	1 U	11	1 U	55	120	72
Vinyl chloride	2	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Other VOC Compounds								
1,1,1-Trichloroethane	200	1 U	1 U	5 U	1 U	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	0.2	1 U	1 U	5 U	1 U	5 U	10 U	5 U
1,1,2-Trichloroethane	5	1 U	1 U	5 U	1 U	5 U	10 U	5 U
1,1-Dichloroethane	400	1 U	1 U	5 U	1 U	5 U	10 U	5 U
1,1-Dichloroethene	7	1 U	1 U	5 U	1 U	5 U	10 U	5 U
1,2-Dichloroethane	5	1 U	1 U	5 U	1 U	5 U	10 U	5 U
1,2-Dichloropropane	5	1 U	1 U	5 U	1 U	5 U	10 U	5 U
2-Butanone (MEK)	200	10 U	10 U	50 U	10 U	50 U	100 U	50 U
2-Hexanone	NP	10 U	10 U	50 U	10 U	50 U	100 U	50 U
4-Methyl-2-pentanone (MIBK)	200	10 U	10 U	50 U	10 U	50 U	100 U	50 U
Acetone	400	25 U	25 U	130 U	25 U	130 U	250 U	130 U
Benzene	5	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Bromoform	80	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Bromomethane	NP	5 U	5 U	25 U	5 U	25 U	50 U	25 U
Carbon disulfide	400	2 U	2 U	10 U	2 U	10 U	20 U	10 U
Carbon tetrachloride	5	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Chlorobenzene	100	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Chlorodibromomethane	80	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Chloroethane	NP	5 U	5 U	25 U	5 U	25 U	50 U	25 U
Chloroform	80	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Chloromethane	NP	1 U	1 U	5 U	1 U	5 U	10 U	5 U
cis-1,3-Dichloropropene	NP	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Dichlorobromomethane	80	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Ethylbenzene	700	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Methylene Chloride	3	5 U	5 U	25 U	5 U	25 U	50 U	25 U
Styrene	100	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Toluene	1,000	1 U	1 U	5 U	1 U	5 U	10 U	5 U
trans-1,2-Dichloroethene	100	1 U	1 U	5 U	1 U	5 U	10 U	5 U
trans-1,3-Dichloropropene	NP	1 U	1 U	5 U	1 U	5 U	10 U	5 U
Xylenes, Total	10,000	2 U	2 U	10 U	2 U	10 U	20 U	10 U

QUALIFIERS

ug/L - micrograms per liter
U - value not detected above the laboratory reporting limit.
Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 3 - Summary of Groundwater Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	MW-17A	MW-18A	MW-18B	MW-19A	MW-19B	MW-19C	MW-20C
Lab Sample Number		**680-90201-16**	**680-90099-5**	**680-90099-6**	**680-90099-7**	**680-90099-8**	**680-90177-16**	**680-90201-17**
Sampling Date		**05/09/13**	**05/07/13**	**05/07/13**	**05/07/13**	**05/07/13**	**05/08/13**	**05/09/13**
Matrix		**Water**	**Water**	**Water**	**Water**	**Water**	**Water**	**Water**
Dilution Factor		**10**	**1**	**1**	**5**	**5**	**1**	**1**
Units		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
GC/MS VOA - 8260B		**Low**	**Low**	**Low**	**Low**	**Low**	**Low**	**Low**
Constituents of Concern								
Tetrachloroethene	5	930	3.9	4.3	5 U	370	150	18
Trichloroethene	5	10 U	1 U	1 U	5 U	27	7.2	1.1
cis-1,2-Dichloroethene	70	10 U	1 U	1 U	5 U	44	14	1.4
Vinyl chloride	2	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Other VOC Compounds								
1,1,1-Trichloroethane	200	10 U	1 U	1 U	5 U	5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.2	10 U	1 U	1 U	5 U	5 U	1 U	1 U
1,1,2-Trichloroethane	5	10 U	1 U	1 U	5 U	5 U	1 U	1 U
1,1-Dichloroethane	400	10 U	1 U	1 U	5 U	5 U	1 U	1 U
1,1-Dichloroethene	7	10 U	1 U	1 U	5 U	5 U	1 U	1 U
1,2-Dichloroethane	5	10 U	1 U	1 U	67	5 U	1 U	1 U
1,2-Dichloropropane	5	10 U	1 U	1 U	5 U	5 U	1 U	1 U
2-Butanone (MEK)	200	100 U	10 U	10 U	50 U	50 U	72	10 U
2-Hexanone	NP	100 U	10 U	10 U	50 U	50 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	200	100 U	10 U	10 U	50 U	50 U	10 U	10 U
Acetone	400	250 U	25 U	25 U	130 U	130 U	25 U	25 U
Benzene	5	10 U	1 U	1 U	750	5 U	1 U	1 U
Bromoform	80	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Bromomethane	NP	50 U	5 U	5 U	25 U	25 U	5 U	5 U
Carbon disulfide	400	20 U	2 U	2 U	10 U	10 U	2 U	2 U
Carbon tetrachloride	5	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Chlorobenzene	100	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Chlorodibromomethane	80	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Chloroethane	NP	50 U	5 U	5 U	25 U	25 U	5 U	5 U
Chloroform	80	10 U	1 U	1 U	5 U	5 U	4.9	1.1
Chloromethane	NP	10 U	1 U	1 U	5 U	5 U	1 U	1 U
cis-1,3-Dichloropropene	NP	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Dichlorobromomethane	80	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Ethylbenzene	700	10 U	1 U	1 U	22	5 U	1 U	1 U
Methylene Chloride	3	50 U	5 U	5 U	25 U	25 U	5 U	5 U
Styrene	100	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Toluene	1,000	10 U	1 U	1 U	5 U	5 U	1 U	1 U
trans-1,2-Dichloroethene	100	10 U	1 U	1 U	5 U	5 U	1 U	1 U
trans-1,3-Dichloropropene	NP	10 U	1 U	1 U	5 U	5 U	1 U	1 U
Xylenes, Total	10,000	20 U	2 U	2 U	89	10 U	2 U	2 U

QUALIFIERS

ug/L - micrograms per liter
U - value not detected above the laboratory reporting limit.
Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

Table 4 - Summary of Surface Water Analytical Data, May 2013
Tara Shopping Center, Jonesboro, Georgia
HSI 10798

Sample ID	Type 1 Risk Reductions Standards	SS-1	SS-2	Dup051013
Lab Sample Number		**680-90270-5**	**680-90270-4**	**680-90270-3**
Sampling Date		**05/10/13**	**05/10/13**	**05/10/13**
Matrix		**Water**	**Water**	**Water**
Dilution Factor		**1**	**1**	**1**
Units		**ug/L**	**ug/L**	**ug/L**
GC/MS VOA - 8260B		**Low**	**Low**	**Low**
Constituents of Concern				
Tetrachloroethene	5	39	7.1	7.7
Trichloroethene	5	2.5	1 U	1 U
cis-1,2-Dichloroethene	70	2.3	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U
Other VOC Compounds				
1,1,1-Trichloroethane		1 U	1 U	1 U
1,1,2,2-Tetrachloroethane		1 U	1 U	1 U
1,1,2-Trichloroethane		1 U	1 U	1 U
1,1-Dichloroethane		1 U	1 U	1 U
1,1-Dichloroethene		1 U	1 U	1 U
1,2-Dichloroethane		1 U	1 U	1 U
1,2-Dichloropropane		1 U	1 U	1 U
2-Butanone (MEK)		10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)		10 U	10 U	10 U
Acetone		25 U	25 U	25 U
Benzene		1 U	1 U	1 U
Bromoform		1 U	1 U	1 U
Bromomethane		5 U	5 U	5 U
Carbon disulfide		2 U	2 U	2 U
Carbon tetrachloride		1 U	1 U	1 U
Chlorobenzene		1 U	1 U	1 U
Chlorodibromomethane		1 U	1 U	1 U
Chloroethane		5 U	5 U	5 U
Chloroform		1 U	1 U	1 U
Chloromethane		1 U	1 U	1 U
cis-1,3-Dichloropropene		1 U	1 U	1 U
Dichlorobromomethane		1 U	1 U	1 U
Ethylbenzene		1 U	1 U	1 U
Methylene Chloride		5 U	5 U	5 U
Styrene		1 U	1 U	1 U
Toluene		1 U	1 U	1 U
trans-1,2-Dichloroethene		1 U	1 U	1 U
trans-1,3-Dichloropropene		1 U	1 U	1 U
Xylenes, Total		2 U	2 U	2 U

QUALIFIERS

ug/L - micrograms per liter

U - value not detected above the laboratory reporting limit.

Yellow - exceeds Type 1 Risk Reduction Standard for Groundwater.

FIGURES

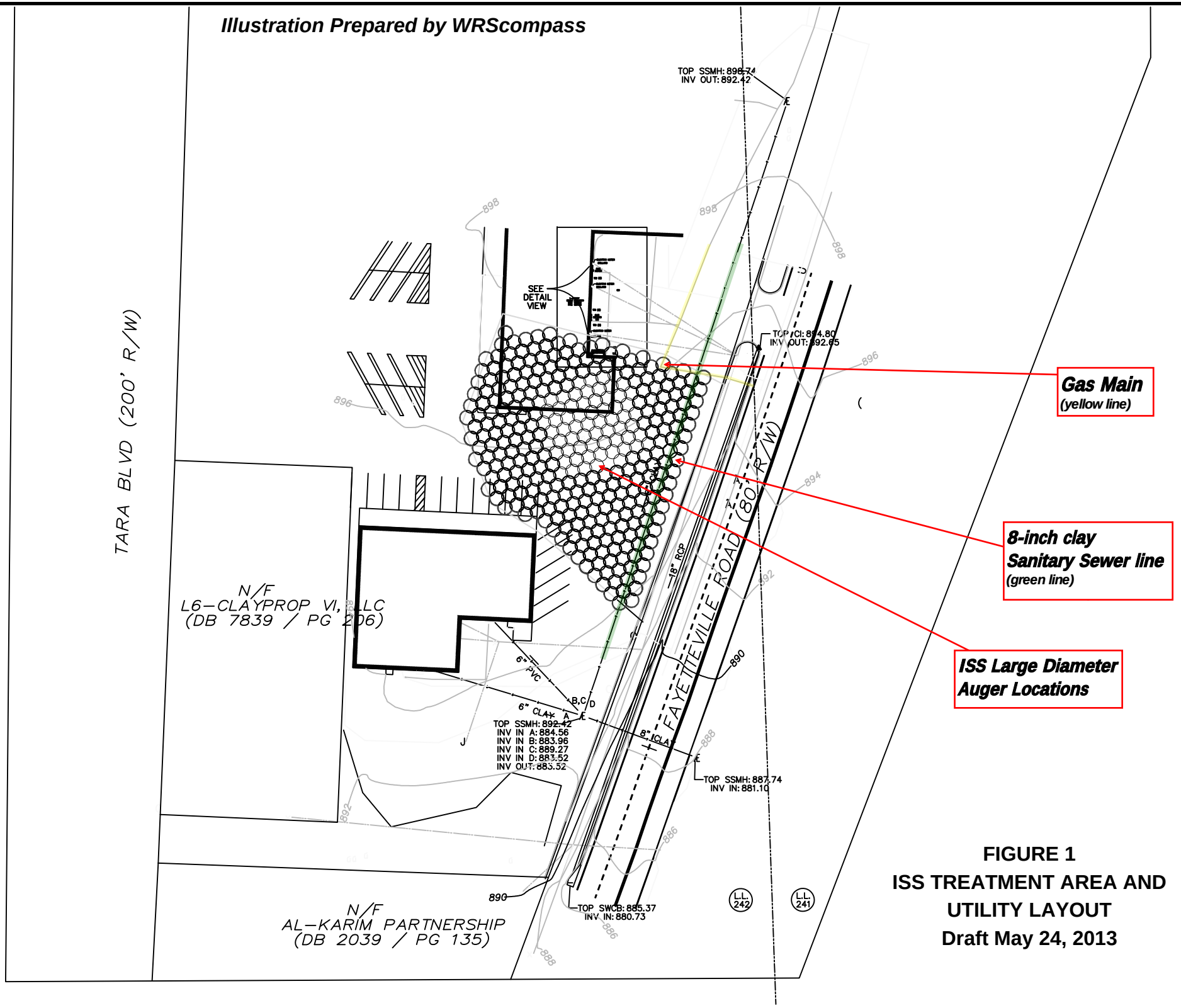
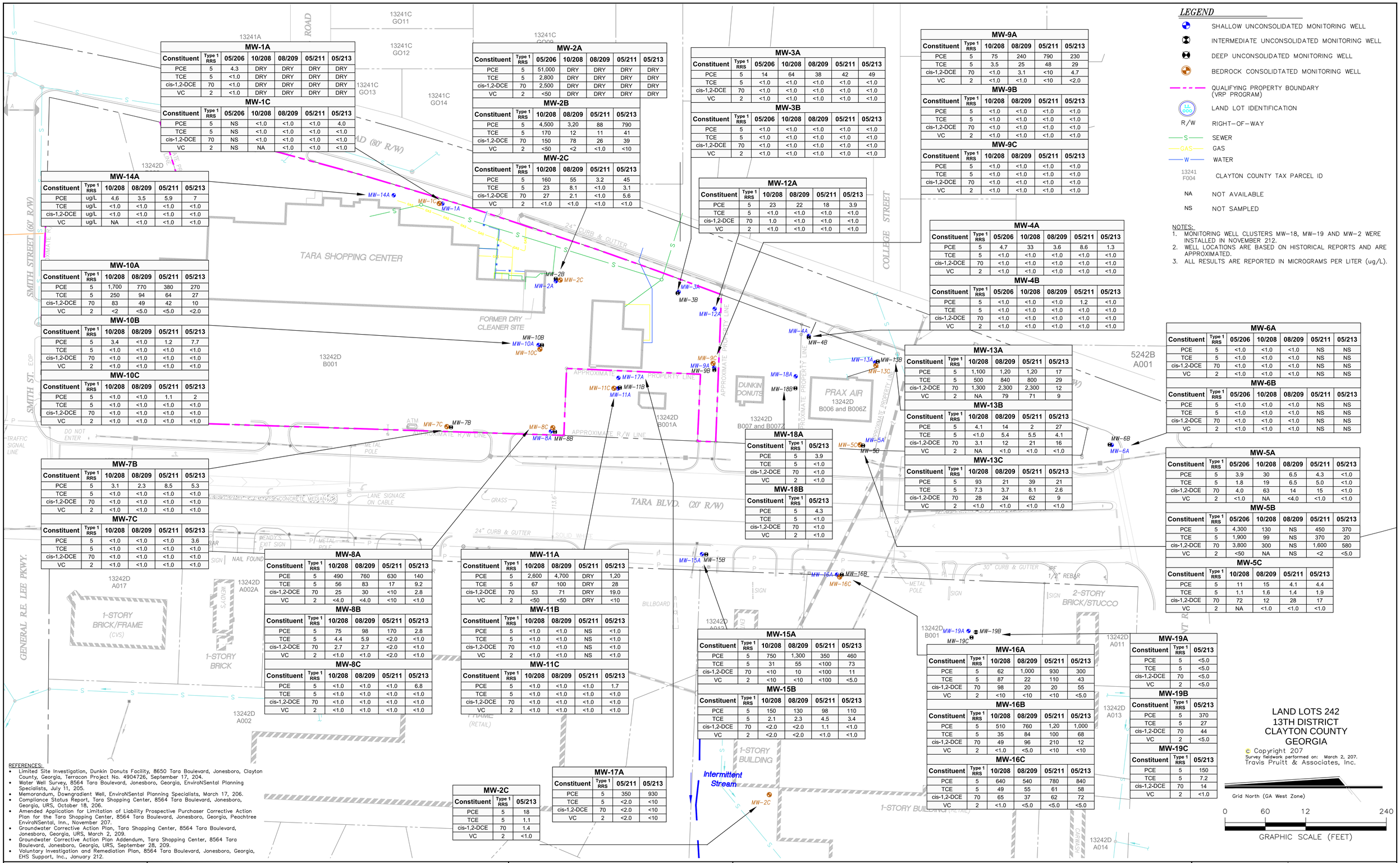


FIGURE 1
ISS TREATMENT AREA AND UTILITY LAYOUT
Draft May 24, 2013



MW-1A

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	4.3	DRY	DRY	DRY	DRY
TCE	5	<1.0	DRY	DRY	DRY	DRY
cis-1,2-DCE	70	<1.0	DRY	DRY	DRY	DRY
VC	2	<1.0	DRY	DRY	DRY	DRY

MW-1C

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	NS	<1.0	<1.0	<1.0	4.0
TCE	5	NS	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	NS	<1.0	<1.0	<1.0	<1.0
VC	2	NS	NA	<1.0	<1.0	<1.0

MW-2A

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	51,000	DRY	DRY	DRY	DRY
TCE	5	2,800	DRY	DRY	DRY	DRY
cis-1,2-DCE	70	2,500	DRY	DRY	DRY	DRY
VC	2	<50	DRY	DRY	DRY	DRY

MW-2B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	4,500	3,20	88	790
TCE	5	170	12	11	41
cis-1,2-DCE	70	150	78	26	39
VC	2	<50	<2	<1.0	<10

MW-2C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	160	55	3.2	45
TCE	5	23	8.1	<1.0	3.1
cis-1,2-DCE	70	27	2.1	<1.0	5.6
VC	2	<1.0	<1.0	<1.0	<1.0

MW-3A

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	14	64	38	42	49
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-3B

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-12A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	23	22	18	3.9
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-9A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	75	240	790	230
TCE	5	3.5	25	48	29
cis-1,2-DCE	70	<1.0	3.1	<10	4.7
VC	2	<1.0	<1.0	<10	<2.0

MW-9B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-9C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-4A

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	4.7	33	3.6	8.6	1.3
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-4B

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	1.2	<1.0
TCE	5	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0	<1.0

MW-13A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	1,100	1,20	1,20	17
TCE	5	500	840	800	29
cis-1,2-DCE	70	1,300	2,300	2,300	12
VC	2	NA	79	71	9

MW-13B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	4.1	14	2	27
TCE	5	<1.0	5.4	5.5	4.1
cis-1,2-DCE	70	3.1	12	21	16
VC	2	NA	<1.0	<1.0	<1.0

MW-13C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	93	21	39	21
TCE	5	7.3	3.7	8.1	2.6
cis-1,2-DCE	70	28	24	62	9
VC	2	<1.0	<1.0	<1.0	<1.0

MW-6A

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	NS	NS
TCE	5	<1.0	<1.0	<1.0	NS	NS
cis-1,2-DCE	70	<1.0	<1.0	<1.0	NS	NS
VC	2	<1.0	<1.0	<1.0	NS	NS

MW-6B

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	NS	NS
TCE	5	<1.0	<1.0	<1.0	NS	NS
cis-1,2-DCE	70	<1.0	<1.0	<1.0	NS	NS
VC	2	<1.0	<1.0	<1.0	NS	NS

MW-5A

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	3.9	30	6.5	4.3	<1.0
TCE	5	1.8	19	6.5	5.0	<1.0
cis-1,2-DCE	70	4.0	63	14	15	<1.0
VC	2	<1.0	NA	<4.0	<1.0	<1.0

MW-5B

Constituent	Type 1 RRS	05/206	10/208	08/209	05/211	05/213
PCE	5	4,300	130	NS	450	370
TCE	5	1,900	99	NS	370	20
cis-1,2-DCE	70	3,800	300	NS	1,600	580
VC	2	<50	NA	NS	<2	<5.0

MW-5C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	11	15	4.1	4.4
TCE	5	1.1	1.6	1.4	1.9
cis-1,2-DCE	70	72	12	28	17
VC	2	NA	<1.0	<1.0	<1.0

MW-14A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	ug/L	4.6	3.5	5.9	7
TCE	ug/L	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	ug/L	<1.0	<1.0	<1.0	<1.0
VC	ug/L	NA	<1.0	<1.0	<1.0

MW-10A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	1,700	770	380	270
TCE	5	250	94	64	27
cis-1,2-DCE	70	83	49	42	10
VC	2	<2	<5.0	<5.0	<2.0

MW-10B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	3.4	<1.0	1.2	7.7
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-10C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	1.1	2
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-7B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	3.1	2.3	8.5	5.3
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-7C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	3.6
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-8A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	490	760	630	140
TCE	5	56	83	17	9.2
cis-1,2-DCE	70	25	30	<10	2.8
VC	2	<4.0	<4.0	<10	<1.0

MW-8B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	75	98	170	2.8
TCE	5	4.4	5.9	<2.0	<1.0
cis-1,2-DCE	70	2.7	2.7	<2.0	<1.0
VC	2	<1.0	<1.0	<2.0	<1.0

MW-8C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	6.8
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-11A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	2,600	4,700	DRY	1,20
TCE	5	67	100	DRY	28
cis-1,2-DCE	70	53	71	DRY	19.0
VC	2	<50	<50	DRY	<10

MW-11B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	NS	<1.0
TCE	5	<1.0	<1.0	NS	<1.0
cis-1,2-DCE	70	<1.0	<1.0	NS	<1.0
VC	2	<1.0	<1.0	NS	<1.0

MW-11C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	<1.0	<1.0	<1.0	1.7
TCE	5	<1.0	<1.0	<1.0	<1.0
cis-1,2-DCE	70	<1.0	<1.0	<1.0	<1.0
VC	2	<1.0	<1.0	<1.0	<1.0

MW-15A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	750	1,300	350	460
TCE	5	31	55	<100	73
cis-1,2-DCE	70	<10	10	<100	11
VC	2	<10	<10	<100	<5.0

MW-15B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	150	130	98	110
TCE	5	2.1	2.3	4.5	3.4
cis-1,2-DCE	70	<2.0	<2.0	1.1	<1.0
VC	2	<2.0	<2.0	<1.0	<1.0

MW-16A

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	62	1,000	930	300
TCE	5	87	22	110	43
cis-1,2-DCE	70	98	20	20	55
VC	2	<10	<10	<10	<5.0

MW-16B

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	510	760	1,20	1,000
TCE	5	35	84	100	68
cis-1,2-DCE	70	49	96	210	12
VC	2	<1.0	<5.0	<10	<10

MW-16C

Constituent	Type 1 RRS	10/208	08/209	05/211	05/213
PCE	5	640	540	780	840
TCE	5	49	55	61	58
cis-1,2-DCE	70	65	37	62	72
VC	2	<1.0	<5.0	<5.0	<5.0

MW-17A

Constituent	Type 1 RRS	05/211	05/213
PCE	5	350	930
TCE	5	<2.0	<10
cis-1,2-DCE	70	<2.0	<10
VC	2	<2.0	<10

MW-18A

Constituent	Type 1 RRS	05/213
PCE	5	3.9
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-18B

Constituent	Type 1 RRS	05/213
PCE	5	4.3
TCE	5	<1.0
cis-1,2-DCE	70	<1.0
VC	2	<1.0

MW-19A

Constituent	Type 1 RRS	05/213
PCE	5	<5.0
TCE	5	<5.0
cis-1,2-DCE	70	<5.0
VC	2	<5.0

MW-19B

Constituent	Type 1 RRS	05/213
PCE	5	370
TCE	5	27
cis-1,2-DCE	70	44
VC	2	<5.0

MW-19C

Constituent	Type 1 RRS	05/213
PCE	5	150
TCE	5	7.2
cis-1,2-DCE	70	14
VC	2	<1.0

LEGEND

- SHALLOW UNCONSOLIDATED MONITORING WELL
- INTERMEDIATE UNCONSOLIDATED MONITORING WELL
- DEEP UNCONSOLIDATED MONITORING WELL
- BEDROCK CONSOLIDTATED MONITORING WELL
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- LL 000 — LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID
- NA — NOT AVAILABLE
- NS — NOT SAMPLED

NOTES:
1. MONITORING WELL CLUSTERS MW-18, MW-19 AND MW-2 WERE INSTALLED IN NOVEMBER 212.
2. WELL LOCATIONS ARE BASED ON HISTORICAL REPORTS AND ARE APPROXIMATED.
3. ALL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).

REFERENCES:
- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 4904726, September 17, 204.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, EnviroNSental Planning Specialists, July 11, 205.
- Memorandum, Downgradient Well, EnviroNSental Planning Specialists, March 17, 206.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 206.
- Amended Application for Limitation of Liability Prospective Purchaser Corrective Action Plan for the Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, Peachtree EnviroNSental, Inn., November 207.
- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 2, 209.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 209.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 212.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Grid North (GA West Zone)

0 60 12 240
GRAPHIC SCALE (FEET)

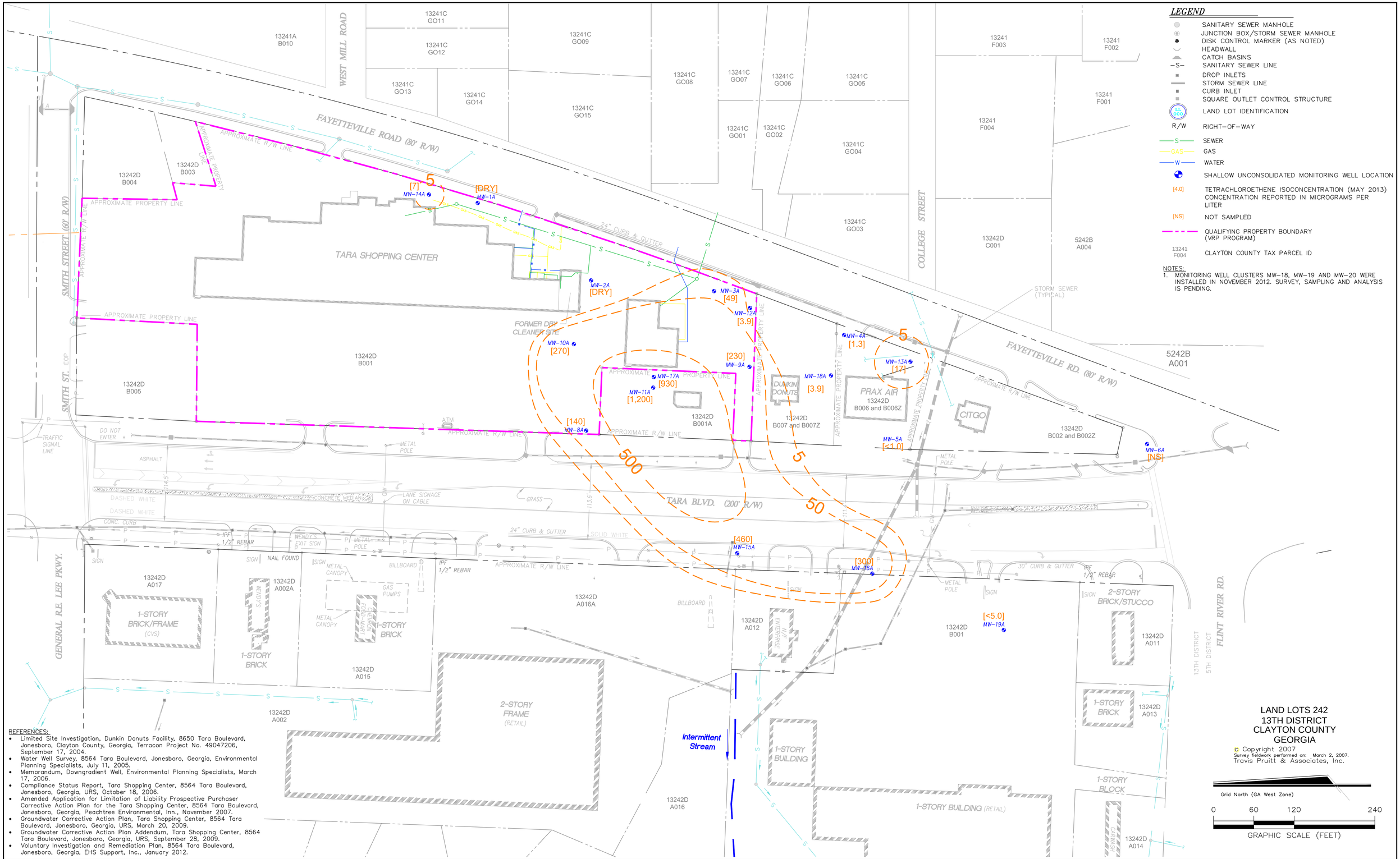
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

Drawn By:	MDO	Date Drawn:	06/12/213
Reviewed By:	MSS	Date Reviewed:	06/213
Scale:	1" = 12'	Plot Date:	06/213
Project Number.:	C00342-213		



LEGEND

- SANITARY SEWER MANHOLE
- JUNCTION BOX/STORM SEWER MANHOLE
- DISK CONTROL MARKER (AS NOTED)
- HEADWALL
- CATCH BASINS
- SANITARY SEWER LINE
- DROP INLETS
- STORM SEWER LINE
- CURB INLET
- SQUARE OUTLET CONTROL STRUCTURE
- LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- SHALLOW UNCONSOLIDATED MONITORING WELL LOCATION
- [4.0] — TETRACHLOROETHENE ISOCONCENTRATION (MAY 2013) CONCENTRATION REPORTED IN MICROGRAMS PER LITER
- [NS] — NOT SAMPLED
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL CLUSTERS MW-18, MW-19 AND MW-20 WERE INSTALLED IN NOVEMBER 2012. SURVEY, SAMPLING AND ANALYSIS IS PENDING.

REFERENCES:
- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 2006.
- Amended Application for Limitation of Liability Prospective Purchaser Corrective Action Plan for the Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, Peachtree Environmental, Inn., November 2007.
- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

Grid North (GA West Zone)

0 60 120 240
GRAPHIC SCALE (FEET)

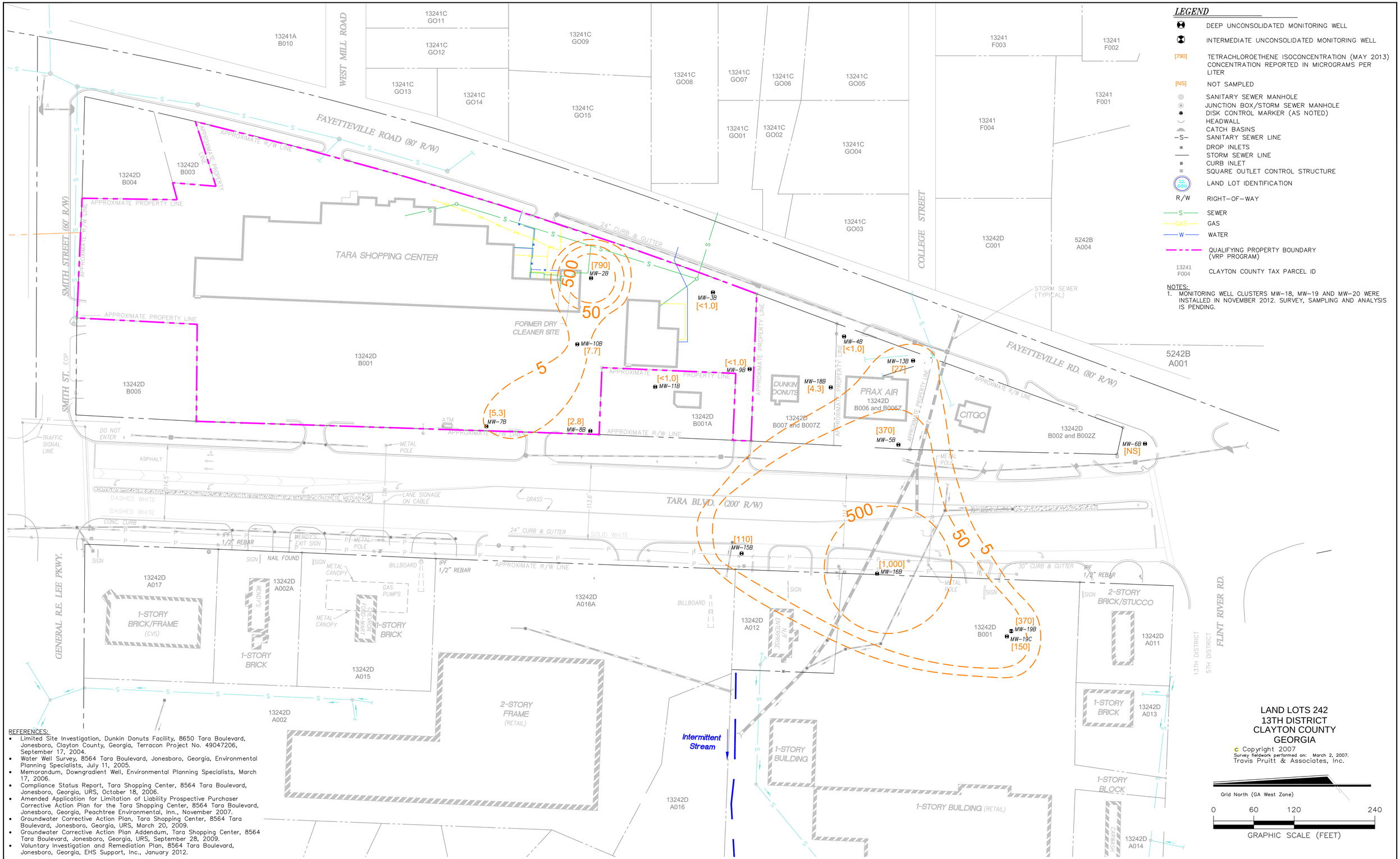
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-2
TETRACHLOROETHENE ISOCONCENTRATION MAP - A ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



LEGEND

- DEEP UNCONSOLIDATED MONITORING WELL
- INTERMEDIATE UNCONSOLIDATED MONITORING WELL
- [790] TETRACHLOROETHENE ISOCONCENTRATION (MAY 2013) CONCENTRATION REPORTED IN MICROGRAMS PER LITER
- [NS] NOT SAMPLED
- SANITARY SEWER MANHOLE
- JUNCTION BOX/STORM SEWER MANHOLE
- DISK CONTROL MARKER (AS NOTED)
- HEADWALL
- CATCH BASINS
- –S– SANITARY SEWER LINE
- DROP INLETS
- STORM SEWER LINE
- CURB INLET
- SQUARE OUTLET CONTROL STRUCTURE
- LL 000 LAND LOT IDENTIFICATION
- R/W RIGHT–OF–WAY
- S SEWER
- GAS GAS
- W WATER
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL CLUSTERS MW–18, MW–19 AND MW–20 WERE INSTALLED IN NOVEMBER 2012. SURVEY, SAMPLING AND ANALYSIS IS PENDING.

REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
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- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

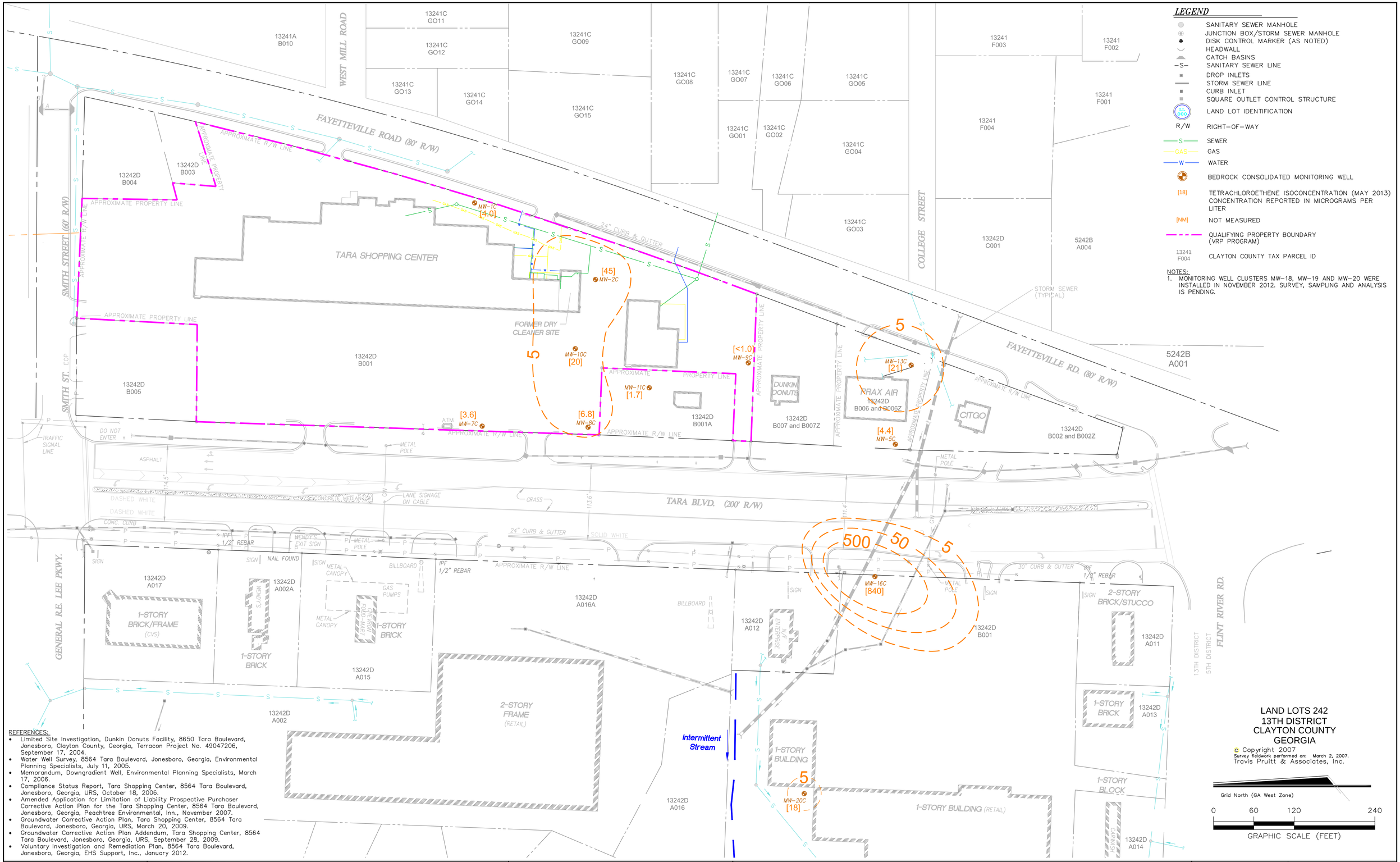
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-3
TETRACHLOROETHENE ISOCONCENTRATION MAP - B ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
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- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

Grid North (GA West Zone)

0 60 120 240
GRAPHIC SCALE (FEET)

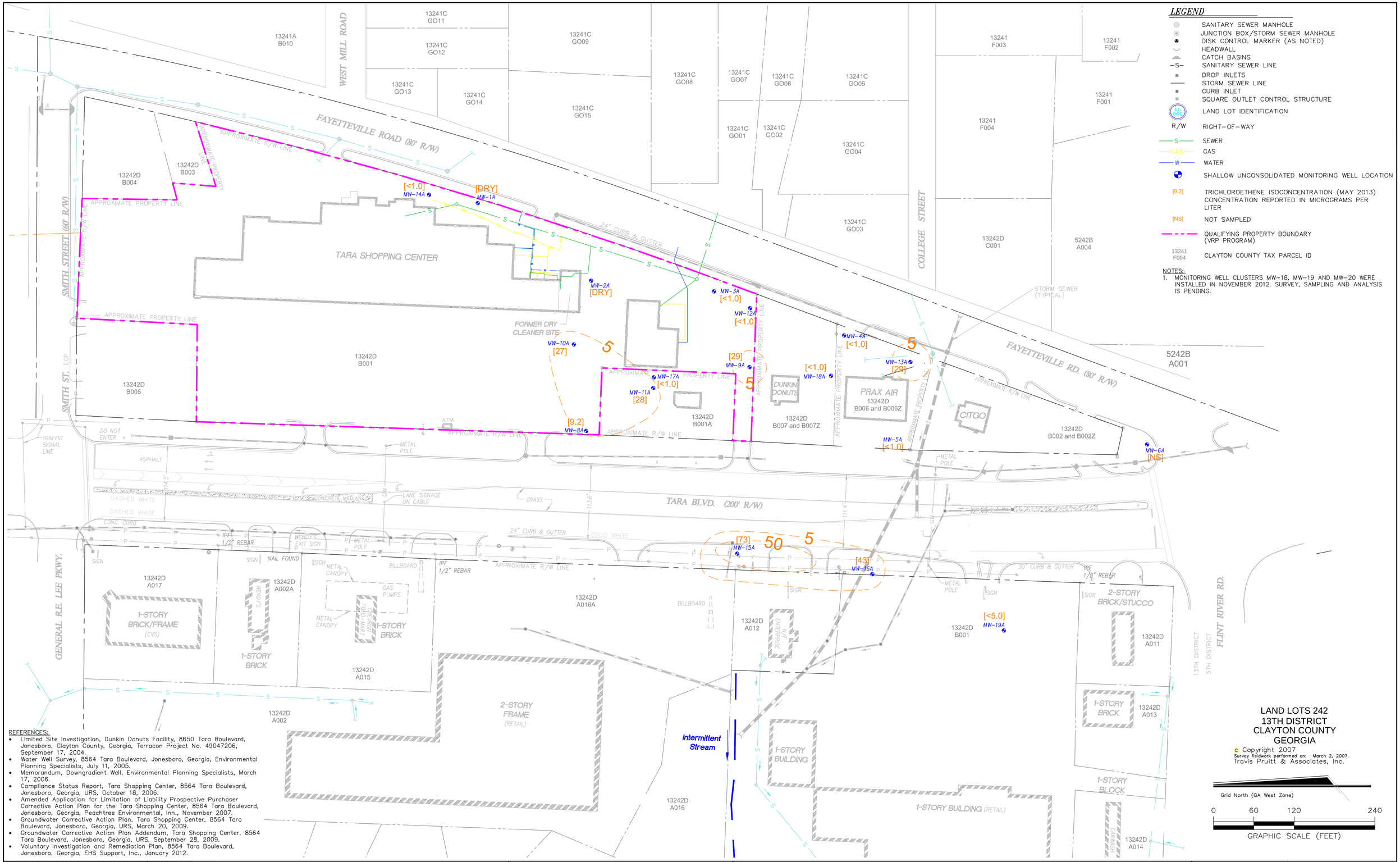
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-4
TETRACHLOROETHENE ISOCONCENTRATION MAP - C ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



LEGEND

- SANITARY SEWER MANHOLE
- JUNCTION BOX/STORM SEWER MANHOLE
- DISK CONTROL MARKER (AS NOTED)
- HEADWALL
- CATCH BASINS
- SANITARY SEWER LINE
- DROP INLETS
- STORM SEWER LINE
- CURB INLET
- SQUARE OUTLET CONTROL STRUCTURE
- LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- SHALLOW UNCONSOLIDATED MONITORING WELL LOCATION
- [9.2] — TRICHLOROETHENE ISOCONCENTRATION (MAY 2013) CONCENTRATION REPORTED IN MICROGRAMS PER LITER
- [NS] — NOT SAMPLED
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL CLUSTERS MW-18, MW-19 AND MW-20 WERE INSTALLED IN NOVEMBER 2012. SURVEY, SAMPLING AND ANALYSIS IS PENDING.

REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
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- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

Grid North (GA West Zone)

0 60 120 240
GRAPHIC SCALE (FEET)

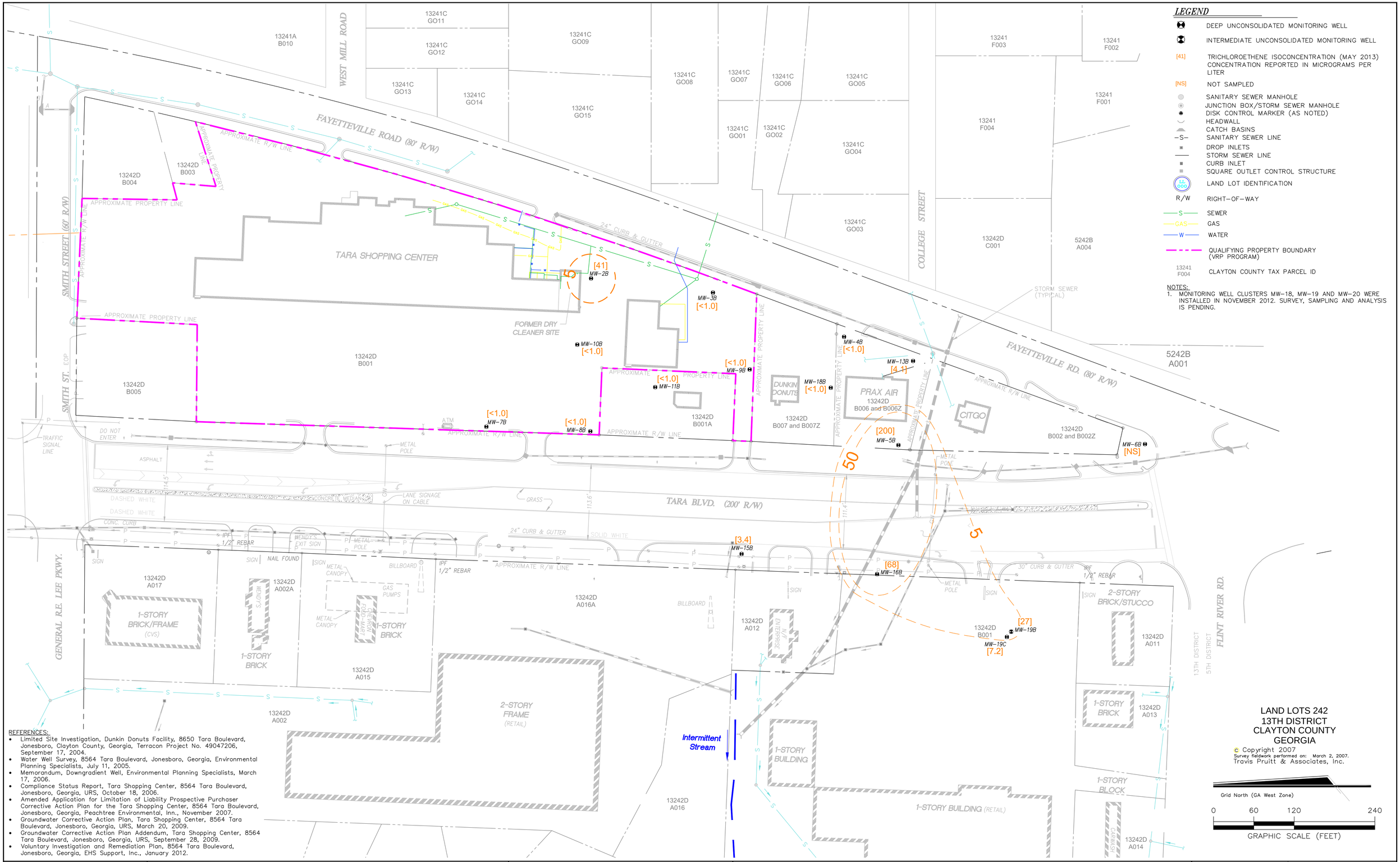
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-5
TRICHLOROETHENE ISOCONCENTRATION MAP - A ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



LEGEND

- DEEP UNCONSOLIDATED MONITORING WELL
- INTERMEDIATE UNCONSOLIDATED MONITORING WELL
- [41] TRICHLOROETHENE ISOCONCENTRATION (MAY 2013) CONCENTRATION REPORTED IN MICROGRAMS PER LITER
- [NS] NOT SAMPLED
- SANITARY SEWER MANHOLE
- JUNCTION BOX/STORM SEWER MANHOLE
- DISK CONTROL MARKER (AS NOTED)
- HEADWALL
- CATCH BASINS
- –S– SANITARY SEWER LINE
- DROP INLETS
- STORM SEWER LINE
- CURB INLET
- SQUARE OUTLET CONTROL STRUCTURE
- LL 000 LAND LOT IDENTIFICATION
- R/W RIGHT–OF–WAY
- S SEWER
- GAS GAS
- W WATER
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL CLUSTERS MW–18, MW–19 AND MW–20 WERE INSTALLED IN NOVEMBER 2012. SURVEY, SAMPLING AND ANALYSIS IS PENDING.

REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 2006.
- Amended Application for Limitation of Liability Prospective Purchaser Corrective Action Plan for the Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, Peachtree Environmental, Inn., November 2007.
- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

Grid North (GA West Zone)

0 60 120 240
GRAPHIC SCALE (FEET)

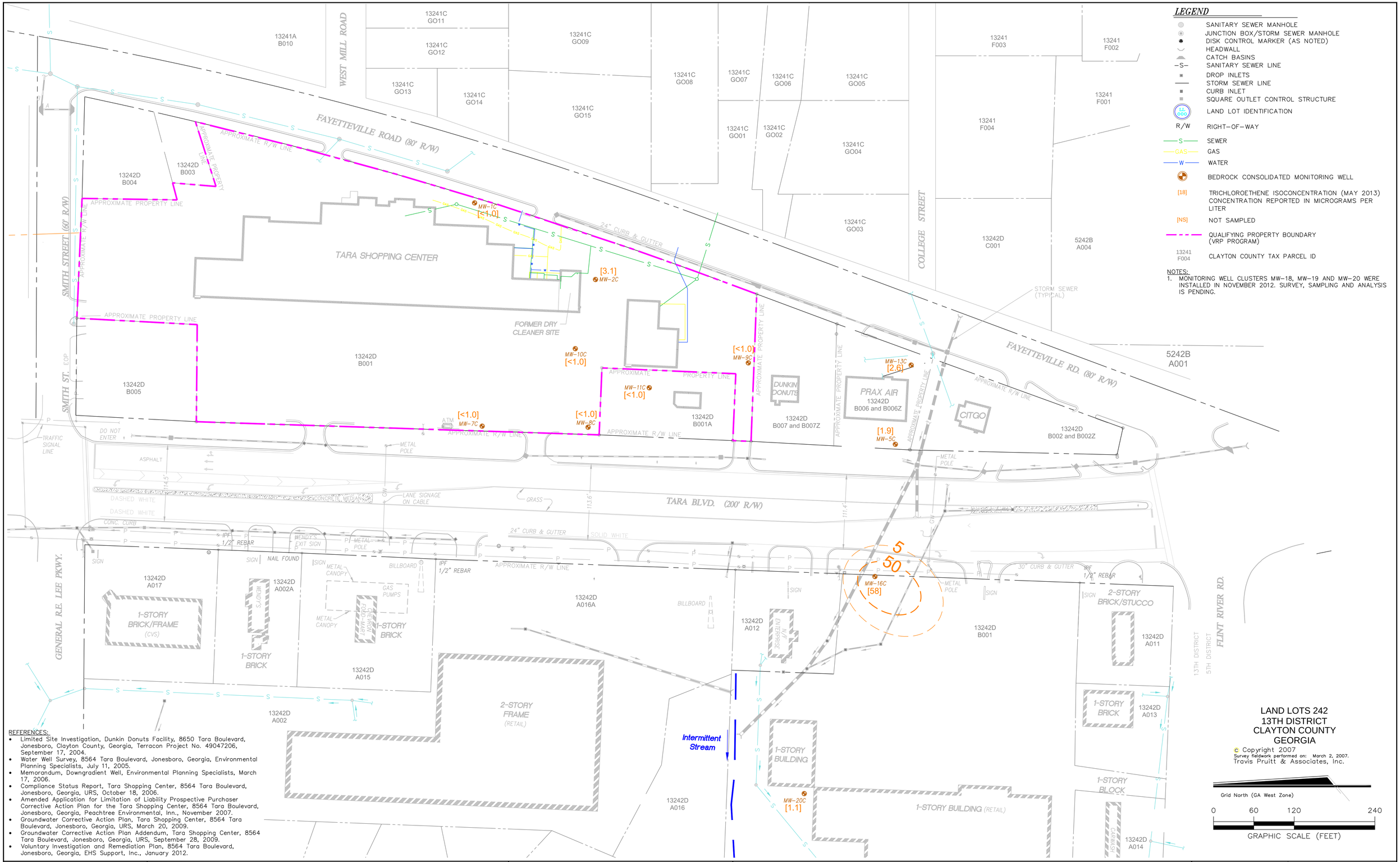
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-6
TRICHLOROETHENE ISOCONCENTRATION MAP - B ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 2006.
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- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

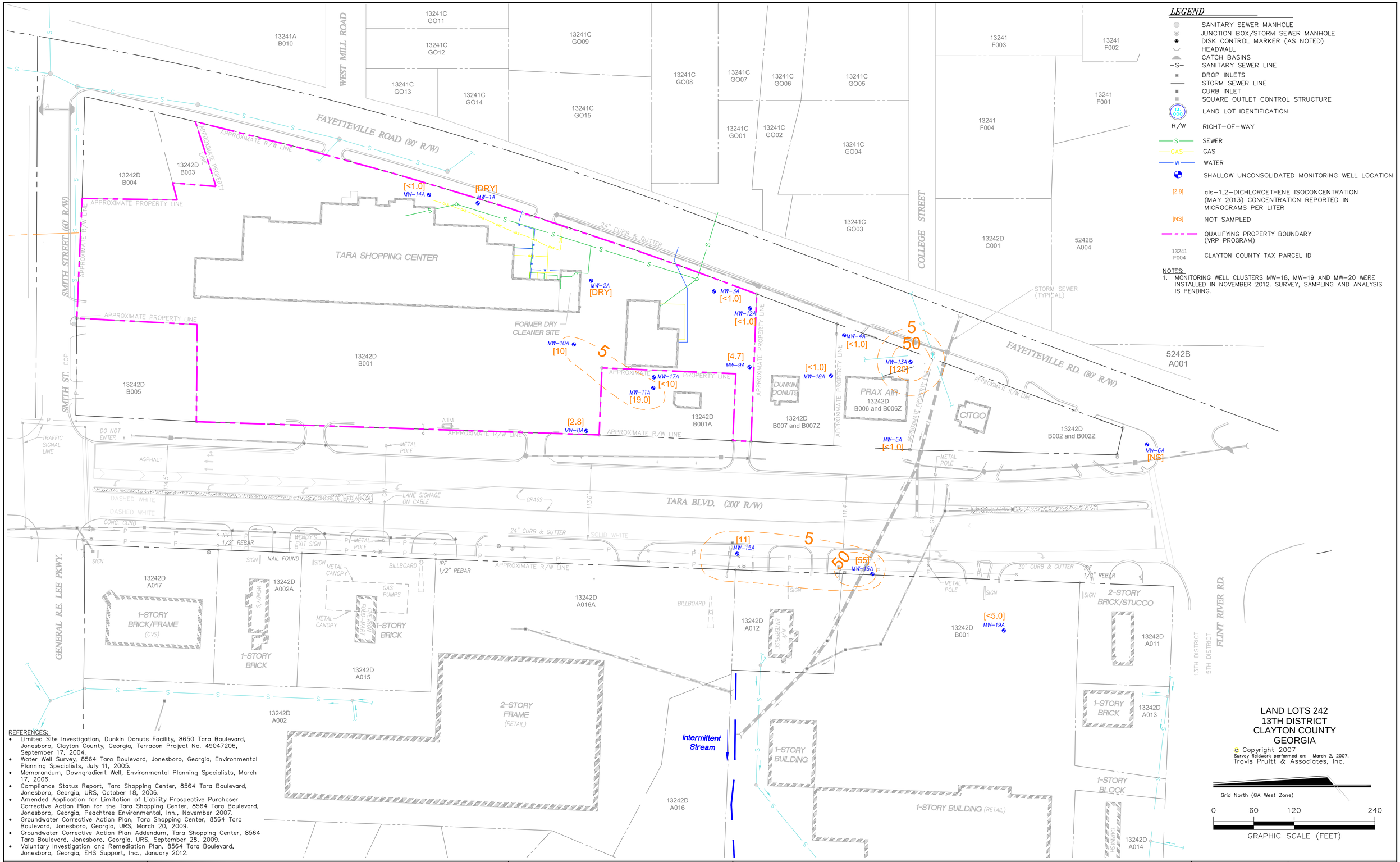
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-7
TRICHLOROETHENE ISOCONCENTRATION MAP - C ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



LEGEND

- SANITARY SEWER MANHOLE
- JUNCTION BOX/STORM SEWER MANHOLE
- DISK CONTROL MARKER (AS NOTED)
- HEADWALL
- CATCH BASINS
- SANITARY SEWER LINE
- DROP INLETS
- STORM SEWER LINE
- CURB INLET
- SQUARE OUTLET CONTROL STRUCTURE
- LAND LOT IDENTIFICATION
- R/W — RIGHT-OF-WAY
- S — SEWER
- GAS — GAS
- W — WATER
- SHALLOW UNCONSOLIDATED MONITORING WELL LOCATION
- [2.8] — cis-1,2-DICHLOROETHENE ISOCONCENTRATION (MAY 2013) CONCENTRATION REPORTED IN MICROGRAMS PER LITER
- [NS] — NOT SAMPLED
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13241 F004 — CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL CLUSTERS MW-18, MW-19 AND MW-20 WERE INSTALLED IN NOVEMBER 2012. SURVEY, SAMPLING AND ANALYSIS IS PENDING.

REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
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LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

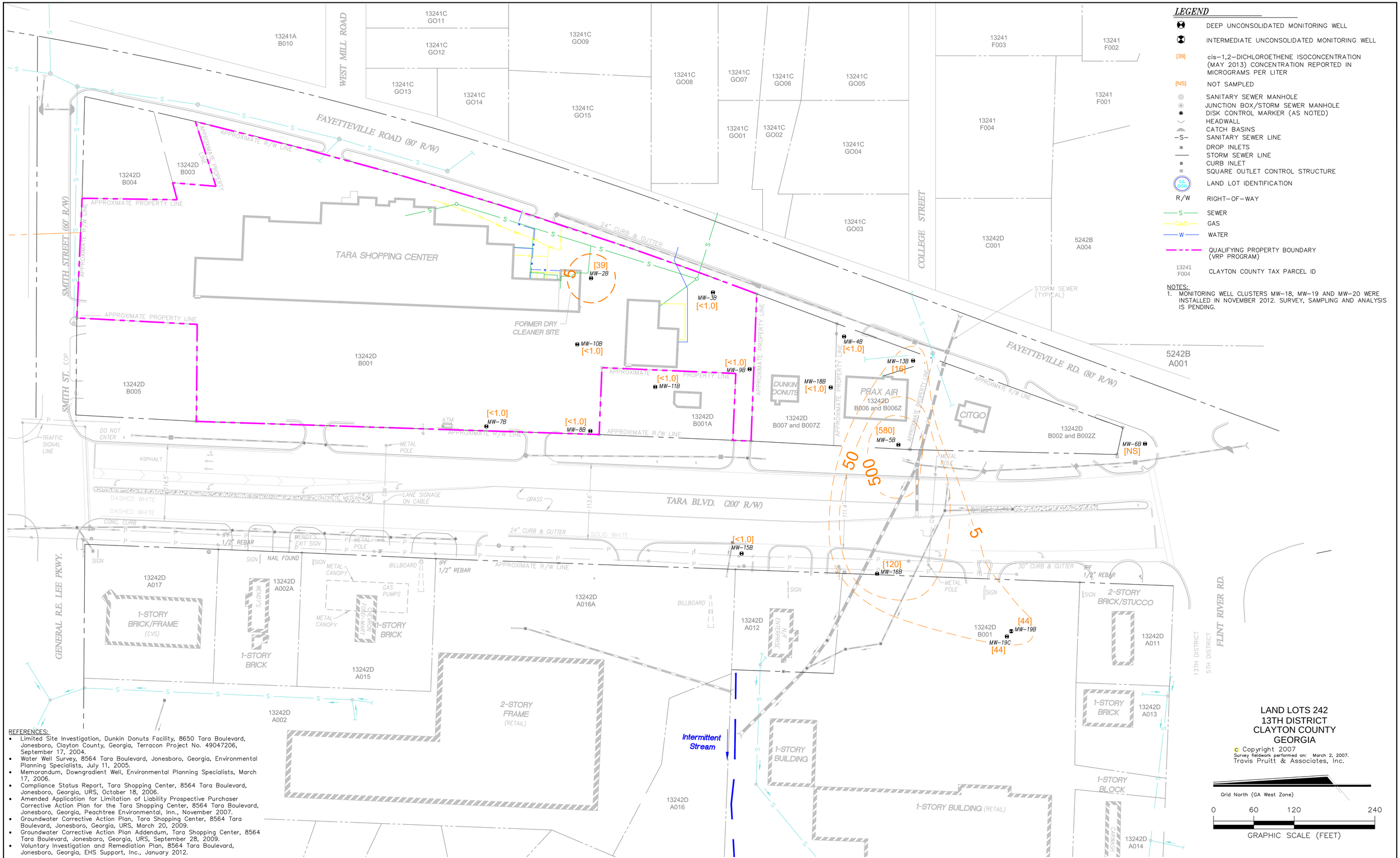
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-8
cis-1,2-DICHLOROETHENE ISOCONCENTRATION MAP - A ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



LEGEND

- DEEP UNCONSOLIDATED MONITORING WELL
- INTERMEDIATE UNCONSOLIDATED MONITORING WELL
- [39] cis-1,2-DICHLOROETHENE ISOCONCENTRATION (MAY 2013) CONCENTRATION REPORTED IN MICROGRAMS PER LITER
- [NS] NOT SAMPLED
- SANITARY SEWER MANHOLE
- JUNCTION BOX/STORM SEWER MANHOLE
- DISK CONTROL MARKER (AS NOTED)
- HEADWALL
- CATCH BASINS
- –S– SANITARY SEWER LINE
- DROP INLETS
- STORM SEWER LINE
- CURB INLET
- SQUARE OUTLET CONTROL STRUCTURE
- LL 000 LAND LOT IDENTIFICATION
- R/W RIGHT–OF–WAY
- —S— SEWER
- —GAS— GAS
- —W— WATER
- QUALIFYING PROPERTY BOUNDARY (VRP PROGRAM)
- 13241 F004 CLAYTON COUNTY TAX PARCEL ID

NOTES:
1. MONITORING WELL CLUSTERS MW–18, MW–19 AND MW–20 WERE INSTALLED IN NOVEMBER 2012. SURVEY, SAMPLING AND ANALYSIS IS PENDING.

REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 2006.
- Amended Application for Limitation of Liability Prospective Purchaser Corrective Action Plan for the Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, Peachtree Environmental, Inn., November 2007.
- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

LAND LOTS 242
13TH DISTRICT
CLAYTON COUNTY
GEORGIA

Survey fieldwork performed on: March 2, 2007.
Travis Pruitt & Associates, Inc.

Grid North (GA West Zone)

0 60 120 240

GRAPHIC SCALE (FEET)

EHS Support consider it done

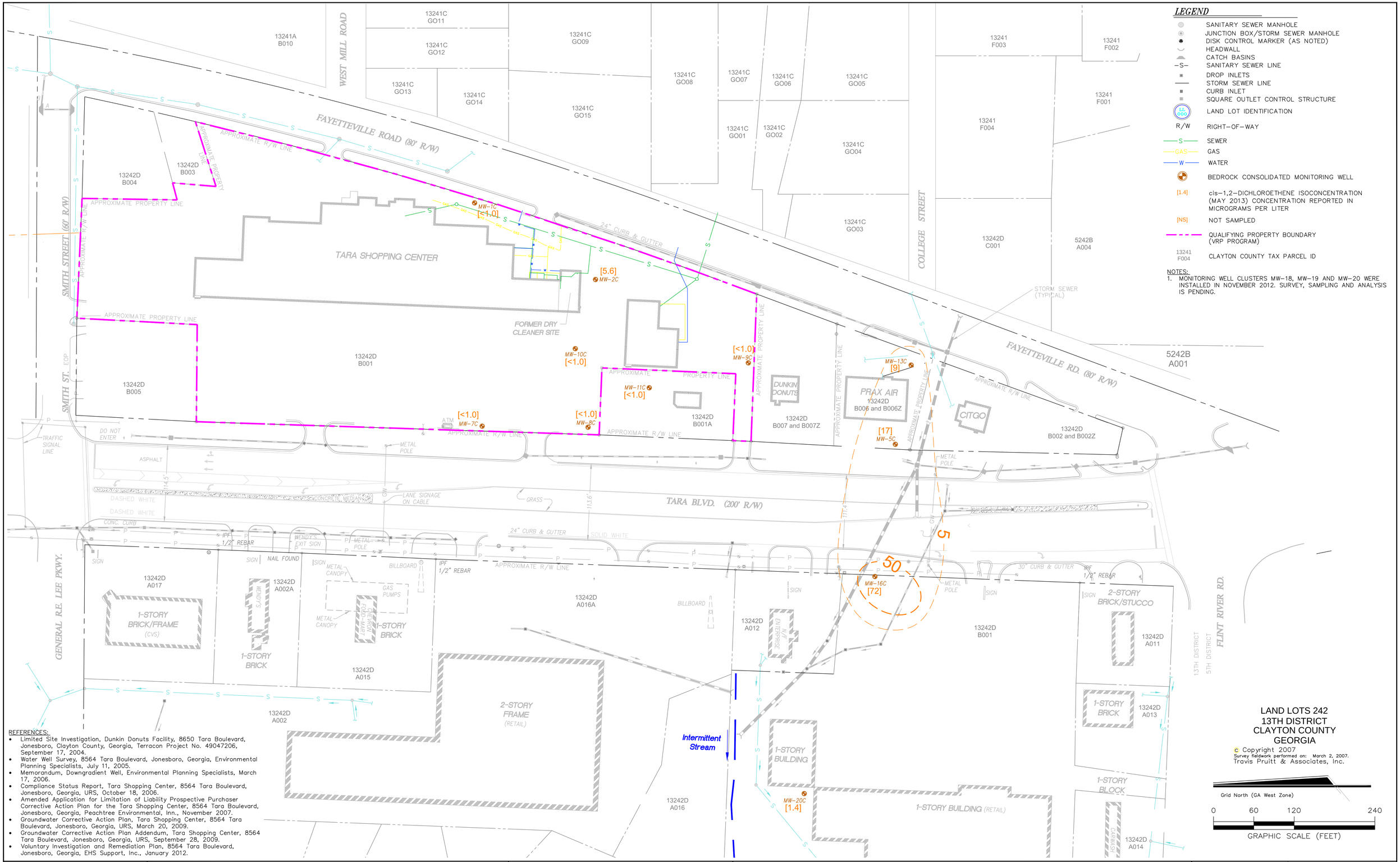
REVISIONS

Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-9
cis-1,2-DICHLOROETHENE ISOCONCENTRATION MAP - B ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 2006.
- Amended Application for Limitation of Liability Prospective Purchaser Corrective Action Plan for the Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, Peachtree Environmental, Inn., November 2007.
- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

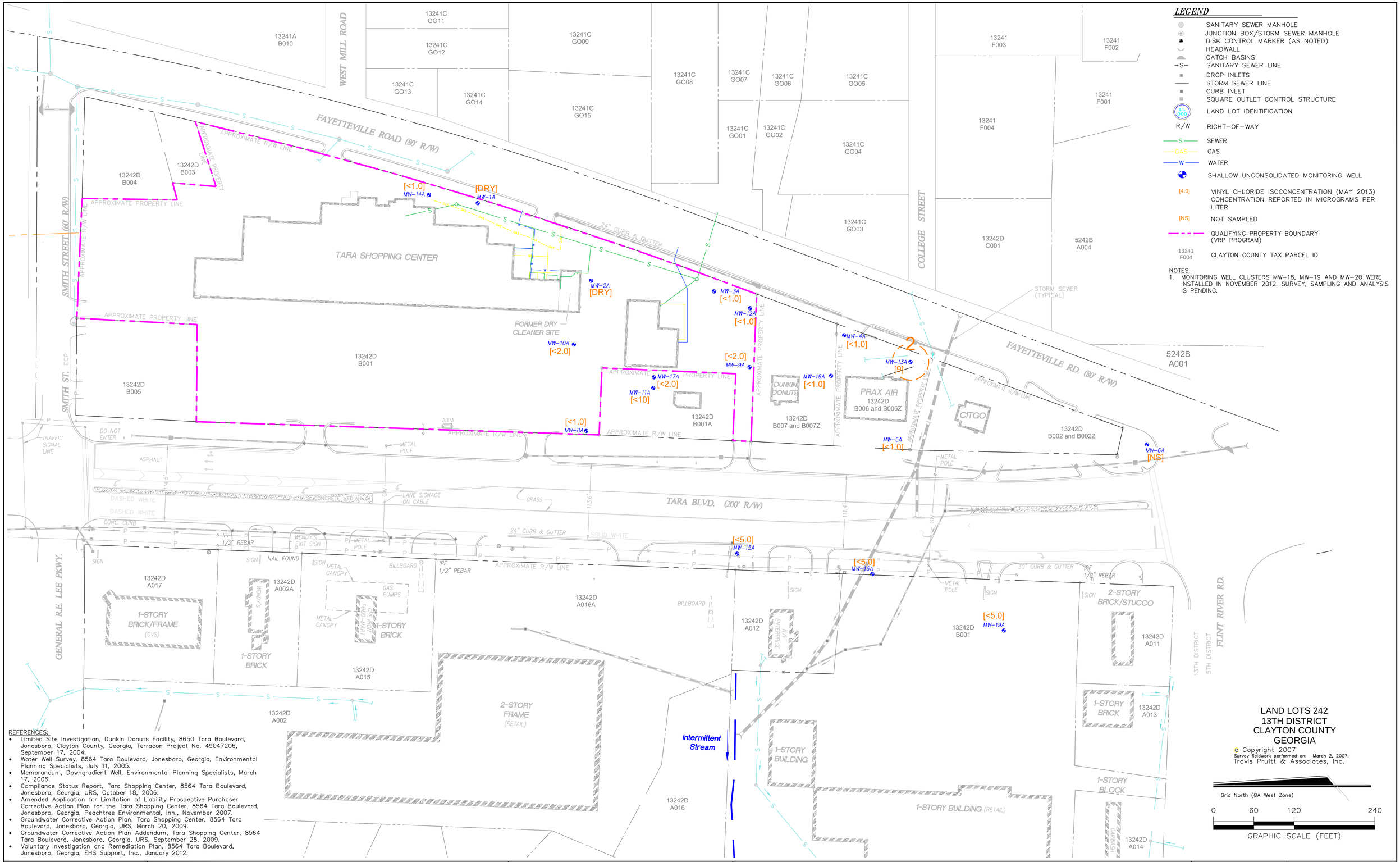
EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-10
cis-1,2-DICHLOROETHENE ISOCONCENTRATION MAP - C ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		



EHS Support consider it done

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

FIGURE GW-11
VINYL CHLORIDE ISOCONCENTRATION MAP - A ZONE
MAY 2013

Drawn By:	MDO	Date Drawn:	06/12/2013
Reviewed By:	MSS	Date Reviewed:	06/2013
Scale:	1" = 120'	Plot Date:	06/2013
Project Number.:	C00342-2013		

ATTACHMENT A
Remedial Design Plan

Submitted To:

EHS Support
consider it done

In-Situ Stabilization Solidification Remedial Design Plan Tara Shopping Center Jonesboro, Georgia

Prepared by:

WRS COMPASS
2305 West Park Place Blvd, Suite L
Stone Mountain, GA 30087
ph: 770.879.4107 fax: 770.879.4830
WRScompass Project No. 30-43-130001

May 2013

CONTENTS

APPENDICES

LIST OF FIGURES

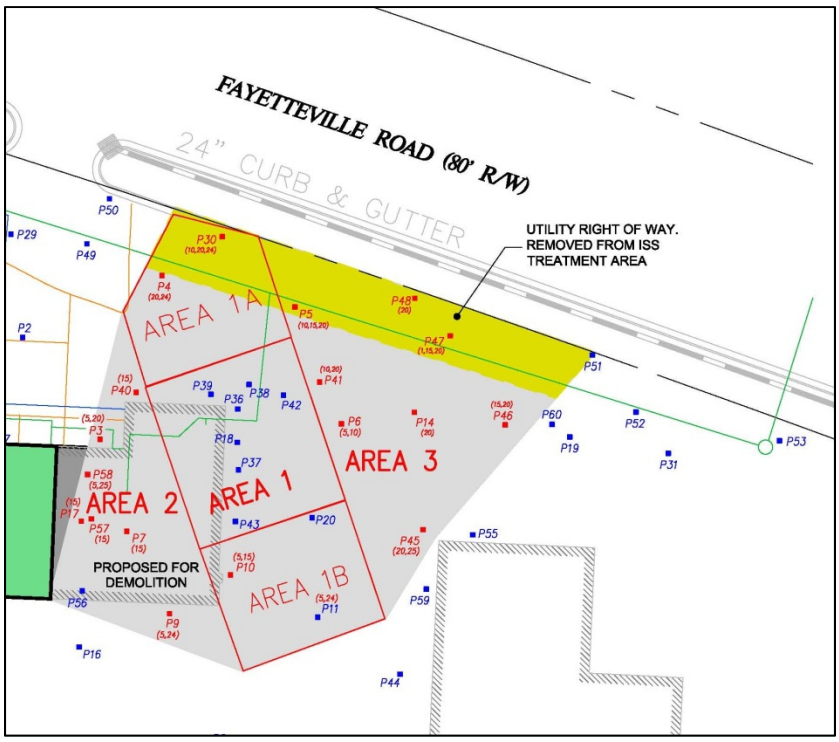
1.0 INTRODUCTION

WRScompass has prepared this Remedial Design Plan in general accordance with the requirements of the Statement of Work (SOW) for the In-Situ Stabilization Solidification for the Tara Shopping Center, dated March 6, 2013. WRS Infrastructure and Environment, Inc. d/b/a WRScompass (WRScompass) will serve as the Prime, Remedial Construction Contractor performing the In-Situ Stabilization Solidification (ISS) remedy of the Source Area. This Remedial Design Plan outlines WRScompass' activities for the ISS including:

- Pre-Mobilization Activities
- Mobilization and Site Preparation
- ISS Implementation
- Performance Verification Sampling and Testing
- Waste Management
- Site Restoration
- Reporting

The Tara Shopping Center is located at 8554-8600 Tara Boulevard in Jonesboro, Georgia. The shopping center consists of two single story commercial buildings and associated paved entrance, drive, and parking areas. The Treatment Area as defined in the SOW is shown below in the Figure 1-1, prepared by EHS Support LLC (EHS Support). The Treatment Area is located beneath the two southernmost units of the north building (those two units are to be demolished prior to beginning the ISS remedy) and in the paved area between the two buildings. Fayetteville Road, a 2-lane road with concrete curb and grassed right-of-way, borders the Treatment Area to the East.

Figure 1-1: Proposed Source Area Treatment/ISS Area (prepared by EHS Support)



2.0 PROJECT ORGANIZATION

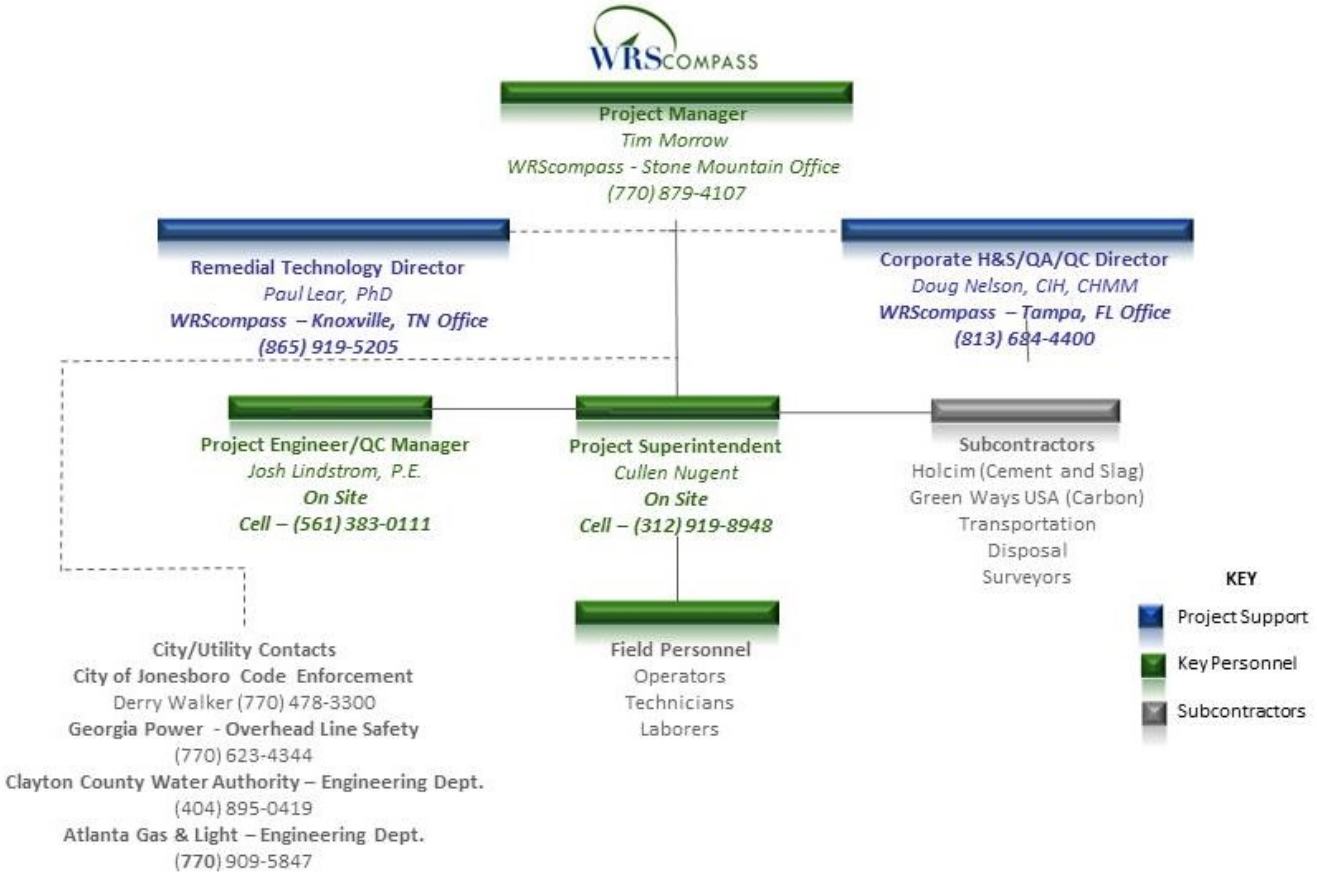
Figure 2-1, below depicts the Project Organization for the ISS portion of the work. The Project Team for the ISS will likely consist of:

- Project Manager
- Superintendent
- Project Engineer/Quality Control Officer
- H&S Officer (1)
- Equipment Operators (2)
- Technicians (2)

WRScompass will subcontract the following work activities related to the ISS implementation:

- Transportation and Disposal of excavated overburden material
- Reagent Supply and Storage

Figure 2-1: Project Organization Chart



3.0 PRE-MOBILIZATION ACTIVITIES

Prior to mobilizing to the Site, WRScompass will provide a Site Specific Health and Safety Plan (HASP) and an Abatement and Demolition Plan as well as obtain necessary Permits and coordinate with local utilities regarding the Work. The HASP and Abatement and Demolition Plans will be provided under separate cover.

3.1 Permitting

WRScompass has had extensive contact with the City of Jonesboro regarding permitting for the remediation. After conferring with the City's Code Enforcement Department, WRScompass has identified two necessary permits that will need to be obtained prior to commencement of the Work:

- Building Demolition Permit
- Electrical Permit

The City's Building Demolition Permit will encompass Asbestos Abatement and Building Demolition as well as implementation of temporary Erosion and Sediment Controls. A copy of the Permit application is included in the Appendix of this Plan. Due to the size of the land disturbance required for the ISS remedy (approximately 12,500 SF) a Land Disturbance Activity (LDA) notification is not required by the Local Issuing Authority (The City of Jonesboro). The disturbance area required for a LDA is 1 acre, or greater.

The batch plant and temporary facilities will be energized via a power drop from the existing Georgia Power overhead lines. The power drop will be installed by a licensed electrician and will be permitted through the City's Electrical Permit.

3.2 Utilities Coordination

Prior to mobilizing to the Site WRScompass will contact Georgia 811 call before you dig services to notify the utilities of the planned excavation and have the subsurface utilities located within the work zone. Additionally, WRScompass will be coordinating with a Private utilities locating company to supplement and enhance the locations provided. Based on site reconnaissance made, WRScompass has identified the following potential utilities which will require coordination prior to mobilizing:

- Subsurface Gas Lines (Georgia Natural Gas)
- Subsurface Potable Water Lines (Clayton County Water Authority - CCWA)
- Subsurface Sanitary Sewer Lines (Private Lines tying into Manholes maintained by CCWA)
- Overhead Power Lines (Georgia Power)

Based upon preliminary information provided to WRScompass by EHS Support it appears that a portion of the ISS treatment is bisected by subsurface gas lines. Additionally, gas meters are present at the two units to be demolished. WRScompass will coordinate with the property manager to have the service line disconnected and re-routed outside of the ISS area. It is likely that the line will be re-routed by the Atlanta Natural Gas; however, if necessary, WRScompass can retain the services of a Utility Contractor to re-route the affected lines.

Preliminary information provided to WRScompass indicates that the potable water lines and meters are present within the two units set for demolition. WRScompass will work with property manager and the CCWA to ensure that service is not interrupted for the remaining units during the building demolition and ISS work.

There is a private, 8" terra cotta sanitary sewer line that bisects the treatment area that will need to be bypassed to facilitate the ISS work. WRScompass has contacted the CCWA regarding this line and confirmed that it is a private line not maintained by the CCWA. Further, per CCWA, a temporary bypass of the sewer line can be achieved without a permit.

The temporary bypass will be accomplished by an un-manned hydraulic grinder pump with a float switch at the manhole to the north of the ISS area. Sewer water will be conveyed to the existing manhole to the south of the ISS area via 4" PVC line. The line will be protected from traffic by road crossing plates. After completion of the ISS work in the vicinity of the sanitary sewer line, WRScompass will excavate as necessary through the stabilized material to establish connection with the terra cotta pipe both upstream and downstream of the ISS area. Material cut to install the sewer pipe will be relocated to the west and incorporated into on-going ISS treatment. The sewer pipe run will be re-established using 8" ductile iron pipe and the sewer trench will be backfilled back to grade with bedding stone.

The ISS work at the eastern boundary of the Treatment Area is located approximately 25 to 30 feet from the existing Georgia Power overhead lines. If the work zone is extended into the Right of Way area, then the work falls under the Georgia High Voltage Safety Act (hyperlinked below).

http://www.georgiapower.com/in-your-community/electric-safety/power-lines/high-voltage-safety-act.cshtml.

WRScompass will coordinate with Georgia Power to provide line shielding for the overhead lines. WRScompass has contacted Georgia Power and understands that Georgia Power will be able to shield approximately 60 feet of overhead line at a time, and can provide the shielding with roughly 1 week's advanced notice. In order to attempt to account for potential delays dealing with relocating the line shielding, WRScompass will allow for some flexibility in the column sequencing plan for the ISS treatment along the east border of the Treatment Area.

4.0 MOBILIZATION AND SITE PREPARATION

Once the pre-mobilization activities are completed, WRScompass will mobilize necessary personnel to the site and then proceed with the following tasks:

- A pre-work survey of the existing grades and limits of work will be performed and the boundaries of the work areas will be staked. This surveying and all subsequent surveys, including the final survey for as-built drawings, will be performed by a Georgia licensed surveyor.
- Required permits for this project will be discussed and checked for completeness, prior to mobilizing personnel and equipment to the Site.
- Verify Location of any existing aboveground and underground utilities as required. The locations of all identified underground utilities will be marked.
- Review and complete of Client checklist for Excavation and Utilities.

Upon completion of the above tasks, mobilization of the rest of the personnel, materials, and equipment will be phased concurrently.

4.1 Site Preparation – Temporary Facilities

A Site layout plan is provided in Figure 4-1. Prior to commencement of any ISS work, WRScompass will perform the following tasks:

- A 4 ft. by 8 ft. project sign will be installed at a location approved by EHS Support.
- Install temporary traffic control measures at the east and west borders of the Site; Currently, local residents use the proposed ISS Treatment Area as a "cut-through" between Fayetteville Road and Tara Boulevard (temporary traffic control measures, in the form of signage and barricades will be installed to ensure worker safety while erecting temporary chain link fencing).
- A temporary 6-foot chain link fence will be erected to secure the Site; access to the Site will be via double swing gates located at the west end of the Site, and one man gate.
- Mobilize temporary washroom facilities (portalets) and hand wash stations.
- Provide tented visitor sign in/safety orientation areas near entrance gate.
- Install 4" potable water line from existing CCWA Hydrant No. 7781, located on Fayetteville Road.
- Install power drop from existing transformers and overhead lines for 3 phase 240 volt power to energize batch plant and a step down for 110-volt power.
- Mobilize and energize portable storage/office trailer.
- Mobilize and install two, 350 bbls vertical bulk storage silos.
- Mobilize and install batch plant and pumping equipment.
- Obtain services of local security company to provide afterhours security and minimize the potential for unauthorized entry into the Exclusion Zone.

4.2 Site Preparation – Staging/Laydown Area

The Equipment and materials will be staged as depicted in Figure 4-1. Diversion berms will be installed around the perimeter of the Staging/Laydown and ISS treatment area to divert stormwater run-on away from the work area. A total of approximately 1,796 cubic yards of overburden soil will eventually be excavated, stockpiled, and disposed of during the ISS work to account for estimated swell during the ISS Treatment. In order to minimize the amount of open excavation and reduce the amount of material stockpiled at any given time, WRScompass will excavate load and haul off-site for disposal the overburden materials ahead of and as the ISS work proceeds.

Excavated soil will be stockpiled to the west of the Excavation Area. WRScompass will coordinate with a trucking company to transport the excavated material to the designated disposal facility. Loading of excavated soil will be accomplished by a combination of excavators and loader. WRScompass will attempt to limit the amount of time that stockpiled soils are on Site to 24 hours.

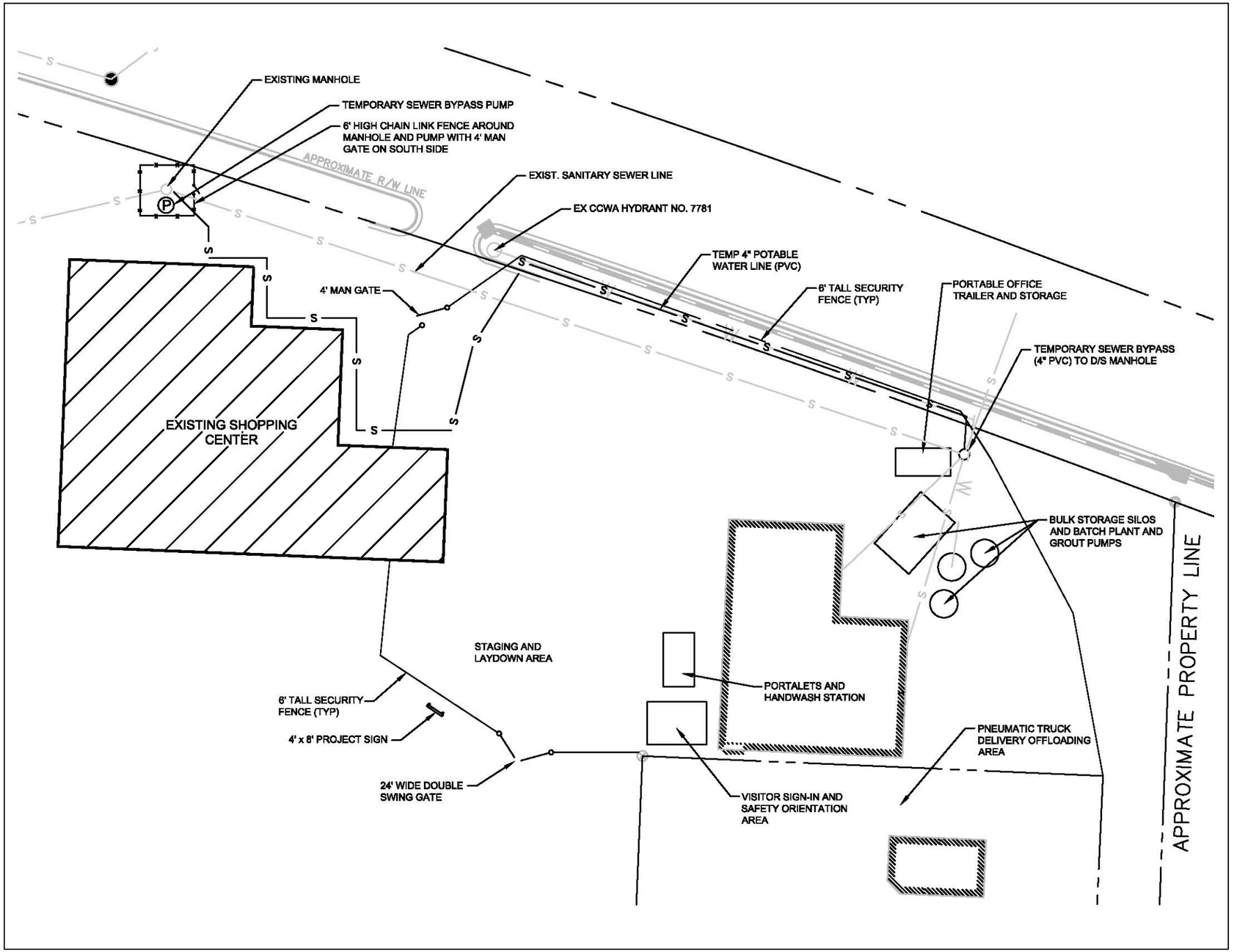
WRScompass site personnel will employ dry decontamination procedures inclusive of dry brushing any loose impacted soils and debris from the truck bodies as the primary method of decontamination. Any impacted soils removed will be incorporated into the ISS treatment area.

4.3 Sediment and Erosion Controls

Erosion and sedimentation (E&S) controls will be installed and maintained as necessary. This will include a combination of perimeter silt fence, hay bales, filter fabric, filter socks and diversions for storm water run-off as necessary. Stormwater will be diverted from open excavation areas and any stormwater falling directly into the excavation area will be incorporated into the ISS treatment.

Stockpiled material, prior to load out, will be surrounded by temporary containment berms on three sides. Any stormwater entering the stockpile area water will be diverted to the east, into the open excavation area.

Figure 4-1: Site Layout Plan



5.0 ISS IMPLEMENTATION

The preliminary ISS column layout is provided in Figure 5-1. Based upon the preliminary layout, 15,321 cubic yards of material will be remedied via either ISS or removal and disposal at a landfill during the SAR. This volume includes material excavated to account for swell and ISS treatment. ISS columns in Area 1 will be advanced to a depth of 45 feet below existing ground surface and all other areas will be remediated to a depth of 25 feet below existing ground surface.

5.1 Reagents and Quantities

The results of the Shaw Treatability Report dated April 24, 2012, indicate a Treatment Mix Design of 1.88% Portland Cement (by weight), and 5.63% Ground Granular Blast Furnace Slag (GGBFS) (by weight) for Areas 1A, 1B, 2, and 3. The mix design for ISS treatment in Area 1 will be augmented with 1% Activated Carbon. The volumes and reagent rates for the SAR are provided below in Table 5-1. The reagent weights are based upon an in place unit weight of impacted soils of 1.2 tons/cubic yard; that density is roughly equivalent to 1.4 grams/cubic centimeters and is based on the results of the In Place Density by the Drive-Cylinder Method (ASTM S 2937) provided in Appendix D of the SOW.

Table 5-1: SAR Treatment Volumes and ISS Reagent Usage Estimate

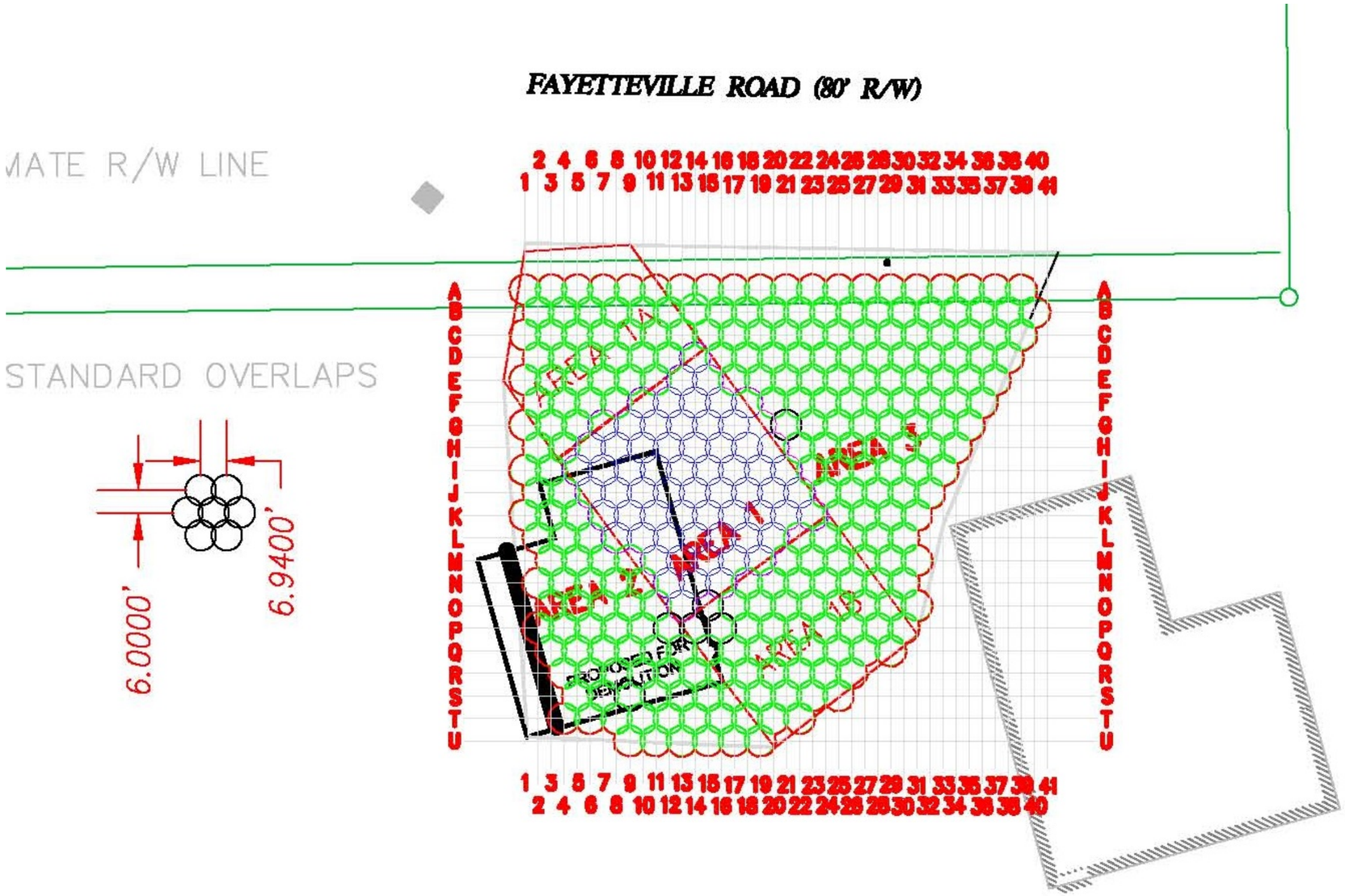
Area	Excavation for Swell			ISS Treatment				
				ISS Volumes		Reagent Usage		
	Area (SF)*	Depth of Excavation to Accommodate Swell (FT)	Volume Excavated to Account for Swell (CY)*	ISS Treatment Depth Intervals (FT Below Grade)	Volume Treated Via ISS (CY)*	Portland Cement (Tons)*	Granular Blast Furnace Slag (Tons)*	Powdered Activated Carbon (Tons)*
1	2,843	5	526	5-45	4,212	95	285	43
1A, 1B, 2, & 3	11,430	3	1,270	3-25	9,313	210	629	N/A
TOTALS			1,796		13,525	305	914	43

*Quantities based on the preliminary ISS column layout in Figure 5-1

5.2 ISS Grid Layout

The ISS column layout and standard overlaps are provided in Figure 5-1. The column lines (A through S along the north and south borders and 1 through 41 along the east and west borders) in Figure 5-1 will be used in conjunction with the proposed depth of treatment to generate a naming convention for each individual column. For example, the column located in the Northeast corner of the Treatment Area will be identified as Column A3-25.

Figure 5-1: ISS Grid Layout Plan



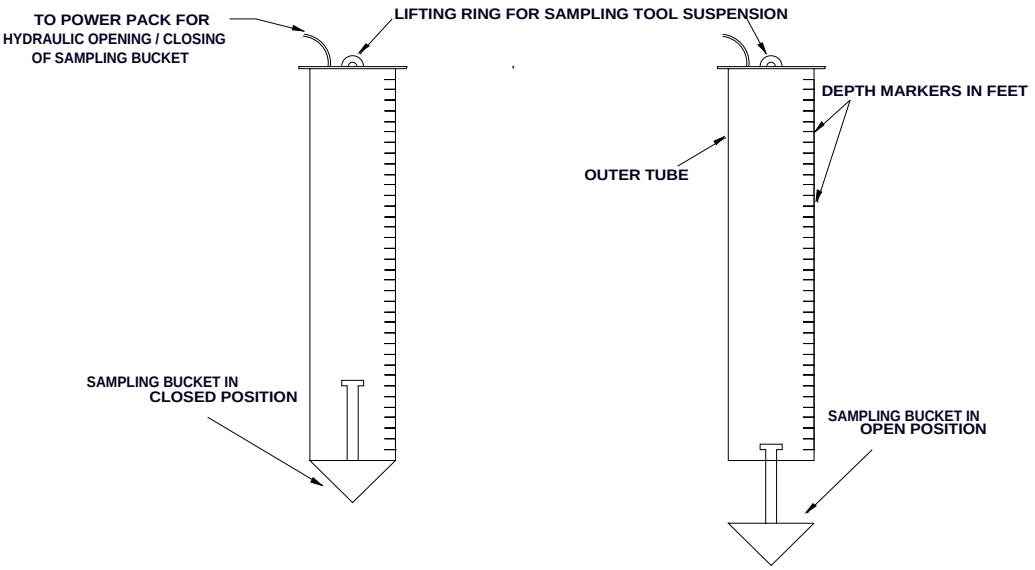
6.0 VERIFICATION SAMPLE PLAN

As stated in the SOW, samples will by collected during ISS treatment at a minimum frequency of once per 250 cubic yards of material treated. This sampling frequency corresponds to roughly 2 sets of samples collected per day of ISS remediation. Depths of samples collected will be determined in the field by EHS Support.

In-situ treated material sampling will be performed utilizing WRScompass' in-situ sampler. A sampling tool has been fabricated that has been determined to be very effective in sampling all treatment zones. Hydraulics were installed on the sampler which allow the sampler to be pushed through the soils, treated or untreated, with the bucket lid closed until the desired sampling depth is reached. Upon the completion of the ISS column slated for sampling, the in-situ sampler depicted below will be lifted by the excavator and advanced to the vertical midpoint of the column. Once the in-situ sampler reaches the sampling depth, the sampling chamber will be opened using a hydraulic actuator. The sample will then enter the sampling chamber. Once the chamber is filled, it will be hydraulically closed and the in-situ sampler will be retrieved through the soil. Photo 6-1 and Figure 6-1, shows the ISS in-situ sampler.

Photo 6-1: WRScompass ISS In-Situ Sampler

Figure 6-1: Schematic of WRScompass ISS In-Situ Sampler



SCHEMATIC OF
IN-SITU SOIL MIXING WET SAMPLER
(NTS)

The performance criteria for the ISS is provided in Table 4 of the SOW (provided below). WRScompass will use the sampling tool described above to collect one bulk sample of treated material from the depth decided upon in the field. The collected sample will be molded into six 3" by 6" cylinders for future testing by WRScompass. One cylinder will be tested for UCS (ASTM D1633) after a 28-day cure time and one sample will be tested for hydraulic conductivity (ASTM D5084) after a 28-day cure time. Four cylinders will be reserved as "Hold" cylinders. EHS Support will prepare and arrange for SPLP (EPA Method 1312) testing.

TABLE 4 - SUMMARY OF PERFORMANCE SPECIFICATION IN-SITU SOLIDIFICATION AND STABILIZATION

Performance Parameter	Performance Measurement	Performance Tests	Performance Criteria	Tolerance
Strength	Unconfined Compressive Strength (UCS)	ASTM D1633	50 psi	No less than 40 psi
Hydraulic Conductivity	Hydraulic Conductivity	ASTM D5084	5×10^{-7} cm/s	No more than 8×10^{-7} cm/s
Leachability	Leachability/ Permeability	U.S. EPA Method 1312	Georgia MCLs for drinking water	None
			Tetrachloroethene (PCE) 5 ug/L	
			Trichloroethene (TCE) 5 ug/L	
			Cis-1,2, dichloroethene (cis-1,2-DCE) 70 ug/L	
			Vinyl Chloride 2 ug/L	

7.0 SITE RESTORATION

Site restoration activities will be performed as soon as practical. Site restoration will consist of the following activities:

- Demobilization of equipment;
- Removal of all construction debris;
- Removal of temporary facilities and signage;
- Removal of the temporary erosion and sedimentation controls;
- Restoring grades as necessary to match pre-construction grades as defined in the As-Built Survey;
- Paving of the excavated area with asphalt and sub-base to match the existing pavement surrounding the Work Area;
- Any punch list items identified will be addressed and the final site cleanup will be performed.

Once the above site restoration activities are completed, WRScompass will perform any necessary final clean-up/demobilization, removal of equipment and temporary facilities and perform the final site survey.

8.0 WASTE MANAGEMENT

Wastes will be disposed of at the Pine Ridge Landfill, operated by Republic Services, Inc. (a Client approved facility). Waste that will be disposed of at Republic's facility includes:

- Asbestos Containing Material (ACM) removed during the abatement
- Building demolition debris
- Impacted soils excavated to account for swell during ISS treatment
- Asphalt
- Trash and Debris
- Used and/or contaminated PPE

The Client or an approved representative will sign all waste manifests as the generator any VOC impacted soils and/or groundwater during implementation of the SAR.

9.0 REPORTING

Upon completion of the SAR, WRScompass will prepare and submit a Draft Report to EHS Support documenting all Site activities for EHS Support and the Owner to review. After receipt of the Draft Report comments are received, WRScompass will prepare and submit a Final Report incorporating additions and comments from the Draft Report and including all waste manifests for all materials disposed of during the SAR.

10.0 PROJECT SCHEDULE

The project is estimated to be completed in approximately 10 weeks following mobilization. The overall Project Schedule to complete the work is provided in Appendix B.

Appendix A

(FOR OFFICE USE ONLY)
DATE RECEIVED: _____
DATE COMPLETED: _____

CITY OF JONESBORO
124 NORTH AVENUE
JONESBORO, GA. 30236
(770) 478-3800 / FAX – (770) 478-3775
DEMOLITION PERMIT APPLICATION

APPLICANT NAME: _____
MAILING ADDRESS: _____
_____
TELEPHONE NO.: _____ **FAX NO.:** _____
EMAIL: _____

PROPERTY OWNER: _____
MAILING ADDRESS: _____
_____
TELEPHONE NO.: _____ **FAX NO.:** _____
EMAIL: _____

PROPERTY ADDRESS: _____
_____
BLOCK#: _____ **PARCEL #:** _____ **LAND LOT #:** _____
DISTRICT/SECTION: _____ **SIZE OF PROPERTY (ACRES)** _____
PRESENT ZONING CLASSIFICATION: _____ **PROPOSED ZONING CLASSIFICATION:** _____
PRESENT LAND USE: _____
PROPOSED LAND USE: _____
COMPLETE DEMOLITION: (Y) _____ **(N)** _____ **/ PARTIAL DEMOLITION: (Y)** _____ **(N)** _____
SIZE OF AREA TO BE DEMOLISHED: _____ **SQUARE FEET**

ITEMS REQUIRED FOR SUBMITTAL (attach all items to complete application):

1. **Asbestos report & certificate**
2. **Rodent letter**
3. **Demolition schedule**
4. **Silt Fence specifications (at least 6 to 8 inches)**
5. **Roll Off Dumpster (see list) (schedule 3 days in advance of job)**
6. **Utilities location and confirmation of shutdown For Georgia Power & Gas - you will need the U.P.C.**

(FOR OFFICE USE ONLY)
DATE RECEIVED: _____
DATE COMPLETED: _____

ASBESTOS REMOVAL CONTRACTOR:

BUSINESS AND OWNER NAME: _____
ADDRESS: _____
_____
TELEPHONE: _____ **FAX:** _____ **LICENSE:** _____
(copy of license must be attached to application reflecting current status with expiration date) City Hall staff provide property search if information not attached.

TYPE OF STRUCTURE:

DESCRIBE THE TYPE OF MATERIAL STRUCTURE IS MADE OF (wood, brick, etc.)_____
_____

FULL DESCRIPTION OF WORK TO BE PERFORMED INDICATING WHERE THE JOB WILL BEGIN AND WHERE THE FINAL IS: _____
_____
_____
_____
_____
_____

COST INFORMATION:

ESTIMATED COST OF DEMOLITION $_____
(supporting documentation)

AUTHORIZATION BY PROPERTY OWNER:

The information represented in this application is true and correct to the best of my knowledge. I fully understand that in the event information given above proves to be false, action may be taken by the City of Jonesboro in regard to this application. I swear I am the property owner and am the principal party to this Demolition permit as authorized by me on _____, 2013 and have contracted with _____ to conduct this demolition upon the presentation that all is according to the Code of Ordinances of the City of Jonesboro.

OWNER SIGNATURE: _____ **Date:** _____
PRINTED NAME: _____

APPLICANT SIGNATURE: _____ **Date:** _____
PRINTED NAME: _____

(FOR OFFICE USE ONLY)
DATE RECEIVED: _____
DATE COMPLETED: _____

CODE ENFORCEMENT OFFICER SIGNATURE OF APPROVAL/DENIAL (circle one)

_____

PRINTED NAME: _____

CITY CLERK OR DESIGNATED STAFF MEMBER SIGNATURE OF APPROVAL/DENIAL (circle one)

_____

PRINTED NAME: _____

COPY DISTRIBUTION LIST: CODE ENFORCEMENT ____
CITY CLERK OR DESIGNATED STAFF ____
MAYOR ____

'ROLLAWAY' LIST OF VENDORS (not mandated for use of these vendors by the City):

Allstate Waste	**(404) 361-9030**
Atlanta Georgia Dumpster	**(404) 869-1976**
Haul Masters Inc.	**(770) 972-1811**
GreenStar Waste	**(866) 430-4285**
Atlanta Rolloff Dumpsters	**(770) 918-9865**

'ABESTOS REMOVAL' CONTRACTORS (these are not certified by the City):

Intown Atlanta Demolition and Teardown Experts	**(404) 478-7142**
RDS Contracting Services, LLC	**(404) 267-2892**
Giles Consulting Services	**(404) 946-7887**
Preferred Emvironmental Solutions, Inc.	**(877) 341-2090**
Air Allergen & Mold Testing, Inc.	**(404) 439-0624**
A Qualified Home Inspector	**(678) 798-3261**

The Georgia D.O.T. also has a list of licensed Asbestos contractors online.

REPUBLIC SERVICES

SPECIAL WASTE PROFILE

PRINT

Requested Disposal Facility: --- Select a Facility ---

Waste Profile #

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

Sales Rep #:

I. Generator Information

Generator Name:			
Generator Site Address:			
City:	County:	State: -- Select a State --	Zip:
State ID/Reg No:	State Approval/Waste Code: (if applicable)		NAICS # :
Generator Mailing Address (if different): ☐			
City:	County:	State: -- Select a State --	Zip:
Generator Contact Name:		Email:	
Phone Number:	Ext:	Fax Number:	

II. Billing Information

Bill To:		Contact Name:	
Billing Address:		Email:	
City:	State:	Zip:	Phone:

III. Waste Stream Information

Name of Waste:	
Process Generating Waste:	
Type of Waste:	☐ INDUSTRIAL PROCESS WASTE ☐ POLLUTION CONTROL WASTE
Physical State:	☐ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID
Method of Shipment:	☐ BULK ☐ DRUM ☐ BAGGED ☐ OTHER:
Estimated Annual Volume:	-- Select Volume Type --
Frequency:	☐ ONE TIME ☐ ONGOING
Disposal Consideration:	☐ LANDFILL ☐ SOLIDIFICATION ☐ BIOREMEDIATION

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☐ YES or ☐ NO
Type of Sample: ☐ COMPOSITE SAMPLE ☐ GRAB SAMPLE	
Sample Date:	
Sample ID Numbers:	

REPUBLIC SERVICES SPECIAL WASTE PROFILE

PRINT

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1.	
2.	
3.	
4.	
5.	

Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
		☐ YES or ☐ NO			°F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☐ No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]?	☐ Yes or ☐ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☐ No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☐ No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	☐ Yes or ☐ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☐ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☐ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☐ No
Is this waste a reactive or heat generating waste?	☐ Yes or ☐ No
Does the waste contain sulfur or sulfur by-products?	☐ Yes or ☐ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☐ No
Is this waste from a TSD facility, TSD like facility or consolidator?	☐ Yes or ☐ No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Authorized Representative Name And Title (Type or Print)

Company Name

Authorized Representative Signature

Date

SPECIAL WASTE PROFILE – CHANGE

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

This form may be used to request changes to an existing Special Waste Profile.			
Generator Name:			
Name of Waste:		Waste Profile #	

II. Purpose of Change

Description of Change Requested and Reason for Change: (Provide detailed explanation of why the change is requested following the appropriate checked box below).

- ☐ Volume Increase By:
  Is the analysis originally submitted with the Profile representative of the volume Increase? ☐ Yes ☐ No If No, complete Section III, below.
- ☐ Extend Expiration Date:
- ☐ Change or Add Landfill:
- ☐ Add Additional Laboratory Reports: **Complete Representative Sample Certification, Section III, below.**
- ☐ Add MSDS:
- ☐ Generator Name Change:
- ☐ Other:

III. Representative Sample Certification

☐ No Sample Taken

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☐ YES or ☐ NO

Type of Sample: ☐ COMPOSITE SAMPLE ☐ GRAB SAMPLE

Sample Date:

Sample ID Numbers:

IV. Certification

I hereby certify that the waste and the process generating the waste are unchanged and are accurately represented in the original profile.

Authorized Representative Name and Title (Printed)	Company Name
Authorized Representative Signature	Date

REPUBLIC SERVICES

THIRD PARTY SIGNATURE AUTHORIZATION
for Special Waste Disposal

Date: _____
This Authorization is only valid for 3 years
from the above date.

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Authorized Agent	Title
Name of Company	Telephone Number

The above broker/individual is authorized to act as our authorized agent for the following purposes:

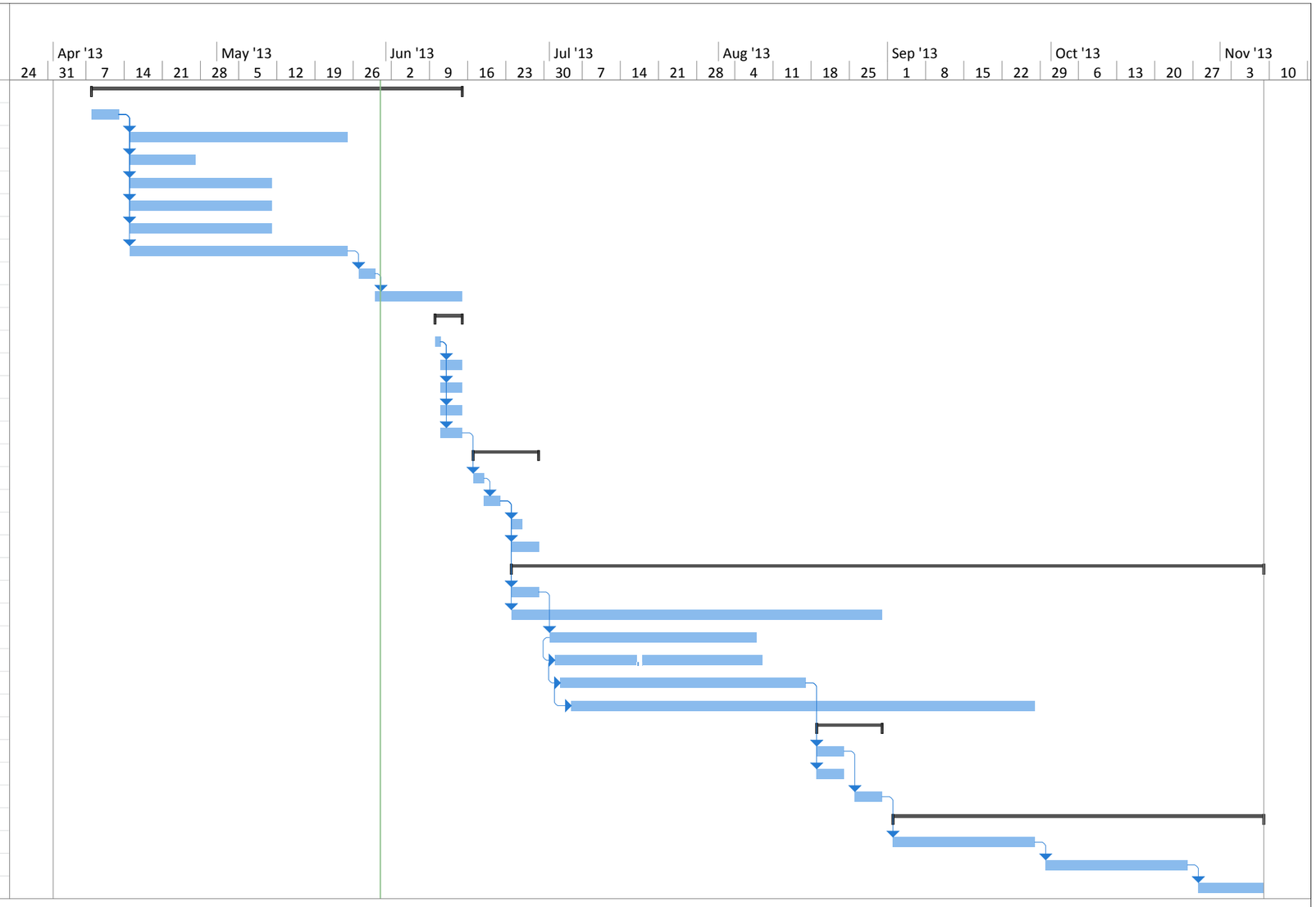
- ☐ Complete and sign Special Waste Profile.
- ☐ Complete and sign Special Waste Profile-Recertification.
- ☐ Authorize amendments to Special Waste Profile.
- ☐ Sign contracts to dispose and/or transport material.
- ☐ Sign certifications necessary to comply with landfill requirements.
- ☐ Sign manifests to initiate shipment to disposal facilities.

Our authorized agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

Name of Company	Mailing Address
Generator Contact (Print Name)	Title
Signature	Telephone Number

Appendix B

ID	Task Mode	Task Name	Duration	Start	Finish
1		**Notice to Proceed**	**50 days**	**Mon 4/8/13**	**Fri 6/14/13**
2		Baseline Schedule	5 days	Mon 4/8/13	Fri 4/12/13
3		HASP Submittal	30 days	Mon 4/15/13	Fri 5/24/13
4		COI Submittal	10 days	Mon 4/15/13	Fri 4/26/13
5		List of Subcontractors	20 days	Mon 4/15/13	Fri 5/10/13
6		Site Survey	20 days	Mon 4/15/13	Fri 5/10/13
7		Demolition Plan Submittal	20 days	Mon 4/15/13	Fri 5/10/13
8		Remedial Design Plan Submittal	30 days	Mon 4/15/13	Fri 5/24/13
9		SWPP NOI	3 days	Mon 5/27/13	Wed 5/29/13
10		City of Jonesboro Demo Permit	12 days	Thu 5/30/13	Fri 6/14/13
11		**Site Prep Work**	**5 days**	**Mon 6/10/13**	**Fri 6/14/13**
12		Mobilization	1 day	Mon 6/10/13	Mon 6/10/13
13		Utility Clearance	4 days	Tue 6/11/13	Fri 6/14/13
14		Temporary Facilities	4 days	Tue 6/11/13	Fri 6/14/13
15		Staging Areas	4 days	Tue 6/11/13	Fri 6/14/13
16		Project Signs	4 days	Tue 6/11/13	Fri 6/14/13
17		**Demolition**	**10 days**	**Mon 6/17/13**	**Fri 6/28/13**
18		Asbestos Abatement	2 days	Mon 6/17/13	Tue 6/18/13
19		Building Demolition	3 days	Wed 6/19/13	Fri 6/21/13
20		Building Finishing	2 days	Mon 6/24/13	Tue 6/25/13
21		Debris T&D	5 days	Mon 6/24/13	Fri 6/28/13
22		**In-situ Work**	**100 days**	**Mon 6/24/13**	**Fri 11/8/13**
23		Mobilization & Set-up	5 days	Mon 6/24/13	Fri 6/28/13
24		Site Security	50 days	Mon 6/24/13	Fri 8/30/13
25		Asphalt Removal	28 days	Mon 7/1/13	Wed 8/7/13
26		Pre-Excavation & T&D	27 days	Tue 7/2/13	Thu 8/8/13
27		ISS Implementation	33 days	Wed 7/3/13	Fri 8/16/13
28		Verification Sampling	61 days	Fri 7/5/13	Fri 9/27/13
29		**Restoration**	**10 days**	**Mon 8/19/13**	**Fri 8/30/13**
30		Equipment Tear Down	5 days	Mon 8/19/13	Fri 8/23/13
31		Asphalt Repairs	5 days	Mon 8/19/13	Fri 8/23/13
32		Demobilization	5 days	Mon 8/26/13	Fri 8/30/13
33		**Reporting**	**50 days**	**Mon 9/2/13**	**Fri 11/8/13**
34		Draft Report	20 days	Mon 9/2/13	Fri 9/27/13
35		Draft Report Review	20 days	Mon 9/30/13	Fri 10/25/13
36		Final Report	10 days	Mon 10/28/13	Fri 11/8/13



Project: Project1
Date: Fri 5/31/13

Task	Project Summary	Inactive Milestone	Manual Summary Rollup	Deadline	
Split	External Tasks	Inactive Summary	Manual Summary	Progress	
Milestone	External Milestone	Manual Task	Start-only	Manual Progress	
Summary	Inactive Task	Duration-only	Finish-only		

Ashland Tara Blvd Project
Jonesboro, Georgia

ATTACHMENT B
Professional Services

ATTACHMENT B
Tabulated Summary of Professional Engineer and Geologist Time (Period December 1, 2012 through May 30, 2013)
Tara Shopping Center, Jonesboro, GA
Voluntary Remediation Program (HSI 10798)

Professional Engineer	Date	Hours	Description
Kristin VanLandingham, PE	12/13/2012	2	Conference call with WRScompass to discuss proposal modification. Conference call with Michelle Stayrook to discuss action items.
	1/11/2013	2	Reviewed Source Area Remediation Planning level estimates.
	1/14/2013	2	Revised the ISS/LDA cost estimate based on WRScompass' revised bid date 12/17/12.
	1/15/2013	2	Reviewed ISS Service Agreement before submitting to the client.
	1/17/2013	1	Reviewed final draft ISS service agreement including comments from the client.
	1/21/2013	3	Project call to discuss ITRC document on ISS, conference call with remediation contractor to go over the ISS performance sampling requirements.
	2/6/2013	1.5	Conference call with property owner.
	2/11/2013	1	Conference call with property owner.
	3/1/2013	1.5	Participated in project call to discuss ISS work.
	4/11/2013	2	Prepared the ISS implementation schedule.
	4/12/2013	1	
	4/16/2013	1	
	4/17/2013	1	Participated in project call to discuss tenant relocation and site visit.
	4/24/2013	2	Participated in project call to discuss site visit and utility locations.
	5/9/2013	2	Reviewed the ISCO pilot test due to presence of degrade KMNO4 in MW17A and MW8B.
	5/15/2013	4	Reviewed the contractor demo plan, remedial design plan and HASP.
	5/16/2013	4	Reviewed WRScompass HASP, participated in project call to discuss the draft plans submitted by WRScompass.
	5/17/2013	1	Participated in project call to discuss site preparation for ISS remedy.
	5/29/2013	1	Participated in project call to discuss field work, schedule, and resourcing.
	5/31/2013	2	Participated in project call to discuss site preparation activities.
Professional Geologist	**Date**	**Hours**	**Description**
Greg White, PG	2/6/2013	1	Participated in project call to discuss supplemental well installation strategy and access issues

ATTACHMENT C
Surface Water Data Form

June 28, 2013

Ms. Kristen Ritter Rivera
Georgia Department of Natural Resources
Response and Remediation Program
2 Martin Luther King, Jr. Drive
S.E. Suite 1462
Atlanta, Georgia 30334-9000

RE: Surface Water Data
Tara Shopping Center
8564 Tara Boulevard, Jonesboro, Clayton County, Georgia
Tax Parcel ID 13242D B001; HSI Site No. 10798

Dear Kristen:

Enclosed please find the completed Surface Water Data form requested by Georgia Environmental Protection Division (EPD) in its letter dated May 3, 2013. EHS Support LLC (EHS Support) is submitting this form on behalf of Ashland Inc. (Ashland) for the site referenced above. Surface water samples were collected on May 10, 2013 as part of pre-remediation activities at the Site. Analytical data and a site location map identifying the location of surface water samples are provided for reference.

If you should have any questions regarding the information presented please contact me at michelle.stayrook@ehs-support.com or 412-807-1494. Alternatively you can contact Michael Dever at mbdever@ashland.com or 614-790-1586.

Sincerely,

Michelle Stayrook

Michelle Stayrook
EHS Support LLC
Project Manager

cc: Michael Dever, Ashland (email)

Attachments

Please complete and return the following tables and associated attachments to the following address by no later than July 1, 2013:

Response and Remediation Program
Georgia Environmental Protection Division
c/o Ms. Kristen Ritter Rivera
2 MLK Jr. Drive, SE, Suite 1462
Atlanta, Georgia 30334

Hazardous Site Inventory (HSI) Information	
HSI #:	10798
HSI Site Name:	Tara Shopping Center
HSI Site Street Address:	8564 Tara Boulevard
HSI Site City:	Jonesboro
HSI Site County:	Clayton
Impacted Surface Water Information	
Surface Water Body Name:	Unnamed Stream
River Basin:	Flint River
Contact Information (of Sample Collector)	
Name of Contact Person:	Kris Spikes
Title of Contact Person:	Project Geologist
Telephone Number of Contact Person:	678-522-6050
E-mail address of Contact Person:	Kris.spikes@ehs-support.com
Company Name:	EHS Support LLC
Company Street Address:	228 4th Avenue
Company City, State, Zip code	Decatur, GA 30033
Date Information submitted:	June 28, 2013

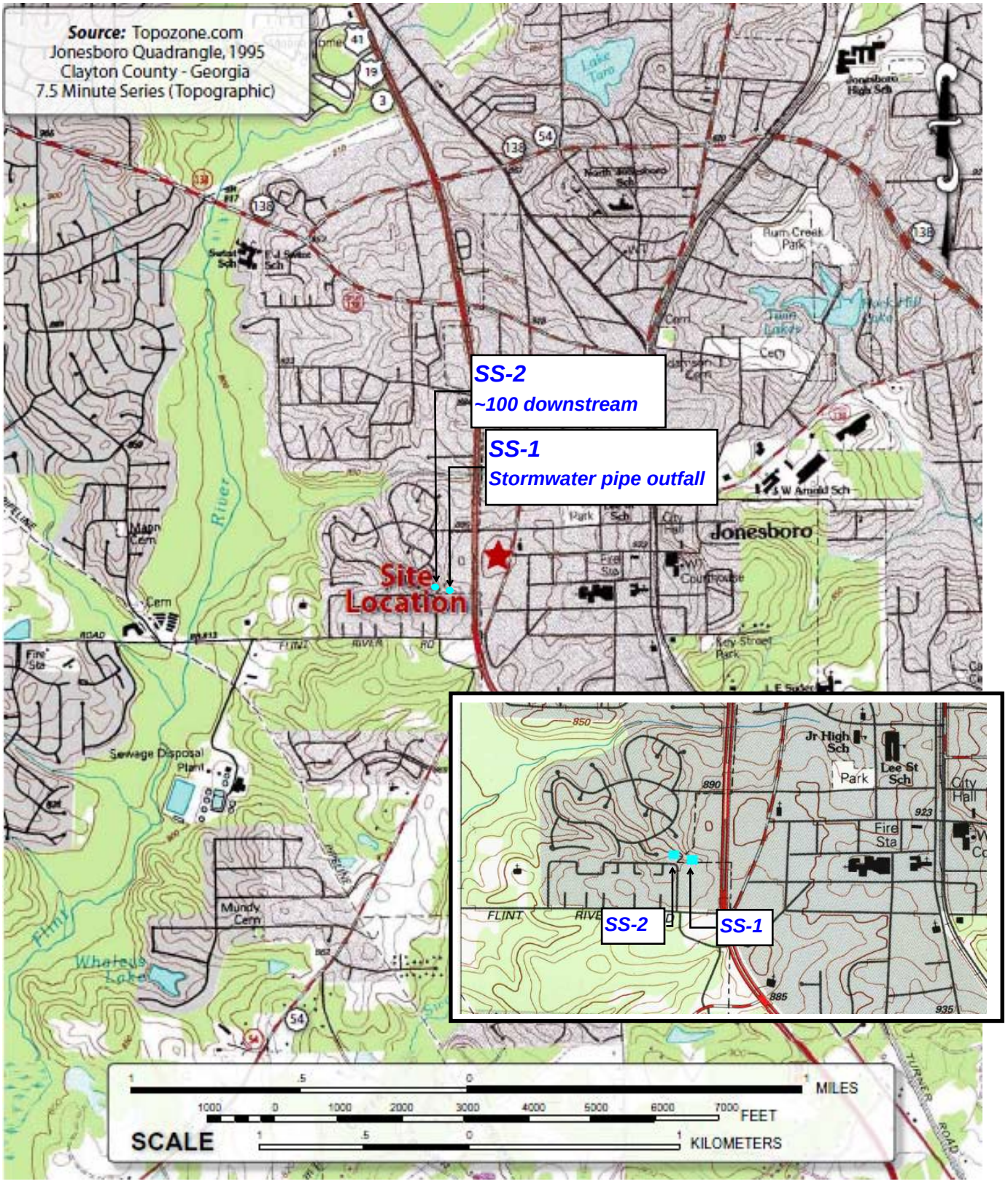
Maximum Detections of Parameters of Concern		
Parameter of Concern	Concentration (µg/L)	Lat/Long of Sample Location*
Example: tetrachloroethylene	*0.050 µg/L*	*80º 12' 24"/32º 10' 52"*
SS-1		
tetrachloroethylene	39 µg/L	84º 21' 52"W /33º 31' 11"N
trichloroethylene	2.5 µg/L	84º 21' 52"W /33º 31' 11"N
cis-1,2-dichloroethylene	2.3 µg/L	84º 21' 52"W /33º 31' 11"N
SS-2		
tetrachloroethylene	7.1 µg/L	84º 21' 53"W /33º 31' 11"N
trichloroethylene	<1.0 µg/L	84º 21' 53"W /33º 31' 11"N
cis-1,2-dichloroethylene	<1.0 µg/L	84º 21' 53"W /33º 31' 11"N
*http://earthexplorer.usgs.gov/		

Please include the following items:

1. The following table populated with the analytical results of surface water samples.
2. The laboratory data sheets, QA/QC, laboratory narrative, and Chain of Custody forms for surface water samples. **(Provided as Attachment 1)**
3. A map clearly marking locations at which surface water samples were collected. Acceptable documents include a USGS topographic map or equivalent map drawn to scale. **(Provided as Figure 1. Note: The stream is not shown; therefore, Figure 2 is provided for additional reference.)**

Surface Water Sample ID #	Date collected (mm/dd/yyyy)	Sampling Frequency (e.g. semi-annually, quarterly)	Surface Water Sample Location (Lat/Long)	Total Hardness (mg/L)*	Total Suspended Solids (mg/L)	Parameters of Concern *					
						Parameter #1 PCE (3.3 µg/L)	Parameter #2 TCE (30 µg/L)	Parameter #3 Cis-1,2-DCE (NA)	Parameter #4	Parameter #5	Parameter #6
SS-1	05/10/2013	None	*84º 21' 52"W /33º 31' 11"N*	NA	NA	39 µg/L	2.5 µg/L	2.3 µg/L			
SS-2	05/10/2013	None	*84º 21' 53"W /33º 31' 11"N*	NA	NA	7.1 µg/L	<1.0 µg/L	<1.0 µg/L			

* For parameters that exceed In-stream Water Quality Standards, please highlight entry.

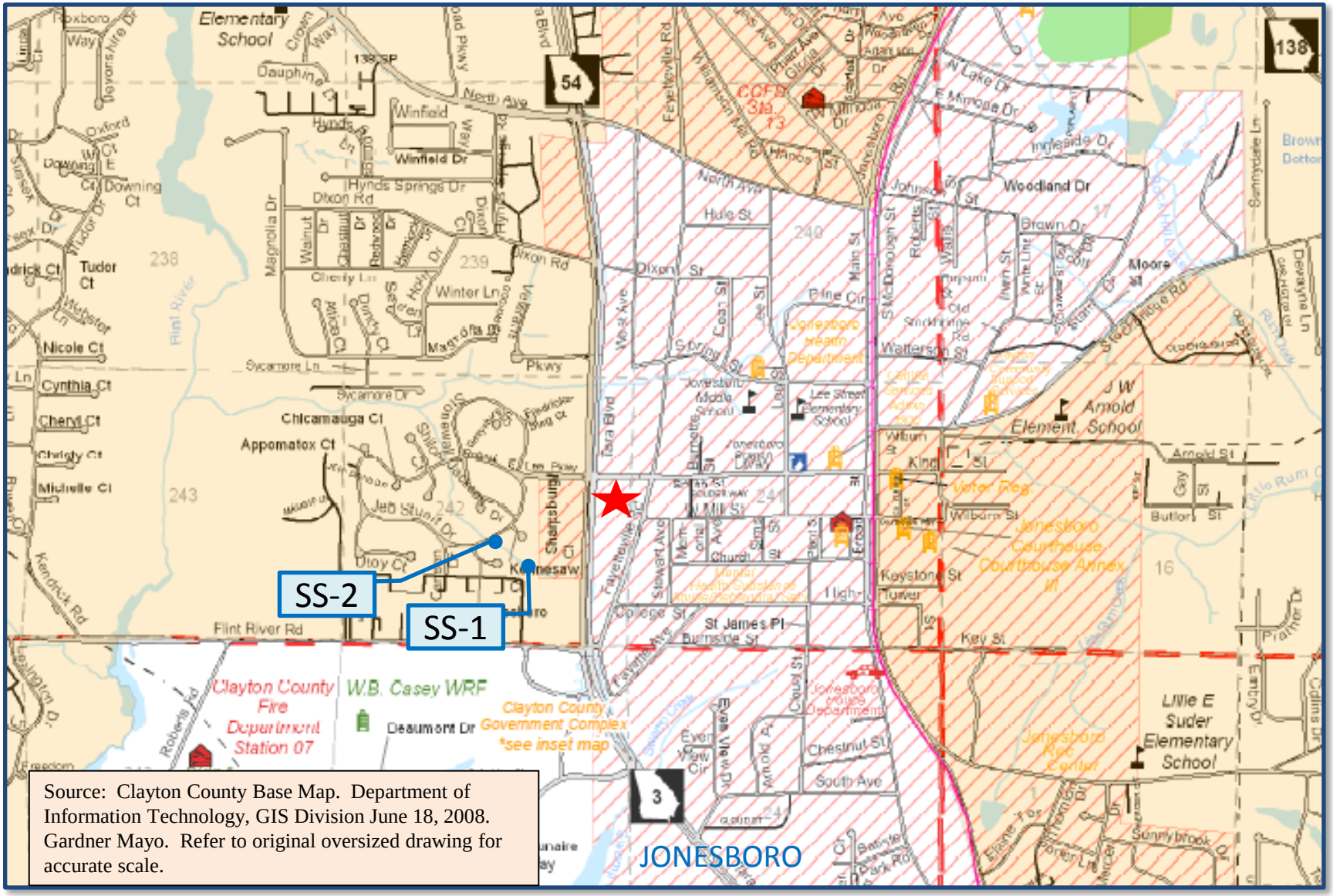


EHS Support
consider it done
www.ehs-support.com

FIGURE 1

SITE LOCATION MAP

JONESBORO, GEORGIA



Tara Shopping Center

Surface Water Sample Location

Not To Scale

N

EHS Support consider it done

FIGURE 2
SURFACE WATER SAMPLE LOCATIONS
MAY 10, 2013

TARA SHOPPING CENTER
8564 TARA BOULEVARD
JONESBORO, GA

ATTACHMENT A
ANALYTICAL REPORT J90270
Laboratory data sheets, QA/QC, laboratory narrative, and Chain of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-90270-1
Client Project/Site: Ashland Alterman

For:
EHS Support, LLC
3909 Tweedsmuir Drive
Columbus, Ohio 43221

Attn: Ms. Michelle Stayrook

Authorized for release by:
5/22/2013 10:57:16 AM

Jerry Lanier, Project Manager I
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-90270-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: EHS Support, LLC

Project: Ashland Alterman

Report Number: 680-90270-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/14/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.4 C.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Purge Water (680-90270-6) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8260B. The samples were leached on 05/14/2013 and analyzed on 05/18/2013.

Sample Purge Water (680-90270-6)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples Trip Blank (680-90270-1), EB051013 (680-90270-2), Dup051013 (680-90270-3), SS-2 (680-90270-4) and SS-1 (680-90270-5) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 05/21/2013.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Purge Water (680-90270-6) was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW846 Methods 1311 / 8270D. The samples were leached on 05/14/2013, prepared on 05/15/2013 and analyzed on 05/20/2013.

2,4-Dinitrotoluene exceeded the recovery criteria low for the MSD of sample Purge WaterMSD (680-90270-6) in batch 680-277452. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP Semivolatiles analysis.

Job ID: 680-90270-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-90270-1	Trip Blank	Water	05/10/13 00:00	05/14/13 08:10
680-90270-2	EB051013	Water	05/10/13 10:00	05/14/13 08:10
680-90270-3	Dup051013	Water	05/10/13 09:22	05/14/13 08:10
680-90270-4	SS-2	Water	05/10/13 09:20	05/14/13 08:10
680-90270-5	SS-1	Water	05/10/13 09:30	05/14/13 08:10
680-90270-6	Purge Water	Water	05/10/13 09:57	05/14/13 08:10

Method Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Client Sample ID: Trip Blank — Lab Sample ID: 680-90270-1

No Detections.

Client Sample ID: EB051013 — Lab Sample ID: 680-90270-2

No Detections.

Client Sample ID: Dup051013 — Lab Sample ID: 680-90270-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.7		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SS-2 — Lab Sample ID: 680-90270-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.1		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SS-1 — Lab Sample ID: 680-90270-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	2.5		1.0		ug/L	1		8260B	Total/NA
Tetrachloroethene	39		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: Purge Water — Lab Sample ID: 680-90270-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Trip Blank

Lab Sample ID: 680-90270-1

Date Collected: 05/10/13 00:00

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			05/21/13 14:18	1
Bromomethane	<5.0		5.0		ug/L			05/21/13 14:18	1
Vinyl chloride	<1.0		1.0		ug/L			05/21/13 14:18	1
Chloroethane	<5.0		5.0		ug/L			05/21/13 14:18	1
Methylene Chloride	<5.0		5.0		ug/L			05/21/13 14:18	1
Acetone	<25		25		ug/L			05/21/13 14:18	1
Carbon disulfide	<2.0		2.0		ug/L			05/21/13 14:18	1
1,1-Dichloroethene	<1.0		1.0		ug/L			05/21/13 14:18	1
1,1-Dichloroethane	<1.0		1.0		ug/L			05/21/13 14:18	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 14:18	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 14:18	1
Chloroform	<1.0		1.0		ug/L			05/21/13 14:18	1
1,2-Dichloroethane	<1.0		1.0		ug/L			05/21/13 14:18	1
2-Butanone (MEK)	<10		10		ug/L			05/21/13 14:18	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			05/21/13 14:18	1
Carbon tetrachloride	<1.0		1.0		ug/L			05/21/13 14:18	1
Dichlorobromomethane	<1.0		1.0		ug/L			05/21/13 14:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			05/21/13 14:18	1
1,2-Dichloropropane	<1.0		1.0		ug/L			05/21/13 14:18	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 14:18	1
Trichloroethene	<1.0		1.0		ug/L			05/21/13 14:18	1
Chlorodibromomethane	<1.0		1.0		ug/L			05/21/13 14:18	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			05/21/13 14:18	1
Benzene	<1.0		1.0		ug/L			05/21/13 14:18	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 14:18	1
Bromoform	<1.0		1.0		ug/L			05/21/13 14:18	1
2-Hexanone	<10		10		ug/L			05/21/13 14:18	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			05/21/13 14:18	1
Tetrachloroethene	<1.0		1.0		ug/L			05/21/13 14:18	1
Toluene	<1.0		1.0		ug/L			05/21/13 14:18	1
Chlorobenzene	<1.0		1.0		ug/L			05/21/13 14:18	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/13 14:18	1
Styrene	<1.0		1.0		ug/L			05/21/13 14:18	1
Xylenes, Total	<2.0		2.0		ug/L			05/21/13 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/21/13 14:18*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*05/21/13 14:18*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*05/21/13 14:18*	*1*

Client Sample ID: EB051013

Lab Sample ID: 680-90270-2

Date Collected: 05/10/13 10:00

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			05/21/13 14:48	1
Bromomethane	<5.0		5.0		ug/L			05/21/13 14:48	1
Vinyl chloride	<1.0		1.0		ug/L			05/21/13 14:48	1
Chloroethane	<5.0		5.0		ug/L			05/21/13 14:48	1

Client Sample ID: EB051013 — **Lab Sample ID: 680-90270-2**
Date Collected: 05/10/13 10:00 — **Matrix: Water**
Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0		5.0		ug/L			05/21/13 14:48	1
Acetone	<25		25		ug/L			05/21/13 14:48	1
Carbon disulfide	<2.0		2.0		ug/L			05/21/13 14:48	1
1,1-Dichloroethene	<1.0		1.0		ug/L			05/21/13 14:48	1
1,1-Dichloroethane	<1.0		1.0		ug/L			05/21/13 14:48	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 14:48	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 14:48	1
Chloroform	<1.0		1.0		ug/L			05/21/13 14:48	1
1,2-Dichloroethane	<1.0		1.0		ug/L			05/21/13 14:48	1
2-Butanone (MEK)	<10		10		ug/L			05/21/13 14:48	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			05/21/13 14:48	1
Carbon tetrachloride	<1.0		1.0		ug/L			05/21/13 14:48	1
Dichlorobromomethane	<1.0		1.0		ug/L			05/21/13 14:48	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			05/21/13 14:48	1
1,2-Dichloropropane	<1.0		1.0		ug/L			05/21/13 14:48	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 14:48	1
Trichloroethene	<1.0		1.0		ug/L			05/21/13 14:48	1
Chlorodibromomethane	<1.0		1.0		ug/L			05/21/13 14:48	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			05/21/13 14:48	1
Benzene	<1.0		1.0		ug/L			05/21/13 14:48	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 14:48	1
Bromoform	<1.0		1.0		ug/L			05/21/13 14:48	1
2-Hexanone	<10		10		ug/L			05/21/13 14:48	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			05/21/13 14:48	1
Tetrachloroethene	<1.0		1.0		ug/L			05/21/13 14:48	1
Toluene	<1.0		1.0		ug/L			05/21/13 14:48	1
Chlorobenzene	<1.0		1.0		ug/L			05/21/13 14:48	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/13 14:48	1
Styrene	<1.0		1.0		ug/L			05/21/13 14:48	1
Xylenes, Total	<2.0		2.0		ug/L			05/21/13 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*05/21/13 14:48*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*05/21/13 14:48*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*05/21/13 14:48*	*1*

Client Sample ID: Dup051013 — **Lab Sample ID: 680-90270-3**
Date Collected: 05/10/13 09:22 — **Matrix: Water**
Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			05/21/13 18:15	1
Bromomethane	<5.0		5.0		ug/L			05/21/13 18:15	1
Vinyl chloride	<1.0		1.0		ug/L			05/21/13 18:15	1
Chloroethane	<5.0		5.0		ug/L			05/21/13 18:15	1
Methylene Chloride	<5.0		5.0		ug/L			05/21/13 18:15	1
Acetone	<25		25		ug/L			05/21/13 18:15	1
Carbon disulfide	<2.0		2.0		ug/L			05/21/13 18:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			05/21/13 18:15	1

Client Sample ID: Dup051013

Lab Sample ID: 680-90270-3

Date Collected: 05/10/13 09:22

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<1.0		1.0		ug/L			05/21/13 18:15	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 18:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 18:15	1
Chloroform	<1.0		1.0		ug/L			05/21/13 18:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			05/21/13 18:15	1
2-Butanone (MEK)	<10		10		ug/L			05/21/13 18:15	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			05/21/13 18:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			05/21/13 18:15	1
Dichlorobromomethane	<1.0		1.0		ug/L			05/21/13 18:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			05/21/13 18:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			05/21/13 18:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 18:15	1
Trichloroethene	<1.0		1.0		ug/L			05/21/13 18:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			05/21/13 18:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			05/21/13 18:15	1
Benzene	<1.0		1.0		ug/L			05/21/13 18:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 18:15	1
Bromoform	<1.0		1.0		ug/L			05/21/13 18:15	1
2-Hexanone	<10		10		ug/L			05/21/13 18:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			05/21/13 18:15	1
Tetrachloroethene	**7.7**		1.0		ug/L			05/21/13 18:15	1
Toluene	<1.0		1.0		ug/L			05/21/13 18:15	1
Chlorobenzene	<1.0		1.0		ug/L			05/21/13 18:15	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/13 18:15	1
Styrene	<1.0		1.0		ug/L			05/21/13 18:15	1
Xylenes, Total	<2.0		2.0		ug/L			05/21/13 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/21/13 18:15*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*05/21/13 18:15*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*05/21/13 18:15*	*1*

Client Sample ID: SS-2

Lab Sample ID: 680-90270-4

Date Collected: 05/10/13 09:20

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			05/21/13 18:45	1
Bromomethane	<5.0		5.0		ug/L			05/21/13 18:45	1
Vinyl chloride	<1.0		1.0		ug/L			05/21/13 18:45	1
Chloroethane	<5.0		5.0		ug/L			05/21/13 18:45	1
Methylene Chloride	<5.0		5.0		ug/L			05/21/13 18:45	1
Acetone	<25		25		ug/L			05/21/13 18:45	1
Carbon disulfide	<2.0		2.0		ug/L			05/21/13 18:45	1
1,1-Dichloroethene	<1.0		1.0		ug/L			05/21/13 18:45	1
1,1-Dichloroethane	<1.0		1.0		ug/L			05/21/13 18:45	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 18:45	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 18:45	1
Chloroform	<1.0		1.0		ug/L			05/21/13 18:45	1

Client Sample ID: SS-2

Lab Sample ID: 680-90270-4

Date Collected: 05/10/13 09:20

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0		ug/L			05/21/13 18:45	1
2-Butanone (MEK)	<10		10		ug/L			05/21/13 18:45	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			05/21/13 18:45	1
Carbon tetrachloride	<1.0		1.0		ug/L			05/21/13 18:45	1
Dichlorobromomethane	<1.0		1.0		ug/L			05/21/13 18:45	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			05/21/13 18:45	1
1,2-Dichloropropane	<1.0		1.0		ug/L			05/21/13 18:45	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 18:45	1
Trichloroethene	<1.0		1.0		ug/L			05/21/13 18:45	1
Chlorodibromomethane	<1.0		1.0		ug/L			05/21/13 18:45	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			05/21/13 18:45	1
Benzene	<1.0		1.0		ug/L			05/21/13 18:45	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 18:45	1
Bromoform	<1.0		1.0		ug/L			05/21/13 18:45	1
2-Hexanone	<10		10		ug/L			05/21/13 18:45	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			05/21/13 18:45	1
Tetrachloroethene	**7.1**		1.0		ug/L			05/21/13 18:45	1
Toluene	<1.0		1.0		ug/L			05/21/13 18:45	1
Chlorobenzene	<1.0		1.0		ug/L			05/21/13 18:45	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/13 18:45	1
Styrene	<1.0		1.0		ug/L			05/21/13 18:45	1
Xylenes, Total	<2.0		2.0		ug/L			05/21/13 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*05/21/13 18:45*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*05/21/13 18:45*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*05/21/13 18:45*	*1*

Client Sample ID: SS-1

Lab Sample ID: 680-90270-5

Date Collected: 05/10/13 09:30

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			05/21/13 19:15	1
Bromomethane	<5.0		5.0		ug/L			05/21/13 19:15	1
Vinyl chloride	<1.0		1.0		ug/L			05/21/13 19:15	1
Chloroethane	<5.0		5.0		ug/L			05/21/13 19:15	1
Methylene Chloride	<5.0		5.0		ug/L			05/21/13 19:15	1
Acetone	<25		25		ug/L			05/21/13 19:15	1
Carbon disulfide	<2.0		2.0		ug/L			05/21/13 19:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			05/21/13 19:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			05/21/13 19:15	1
cis-1,2-Dichloroethene	**2.3**		1.0		ug/L			05/21/13 19:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 19:15	1
Chloroform	<1.0		1.0		ug/L			05/21/13 19:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			05/21/13 19:15	1
2-Butanone (MEK)	<10		10		ug/L			05/21/13 19:15	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			05/21/13 19:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			05/21/13 19:15	1

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Client Sample ID: SS-1

Lab Sample ID: 680-90270-5

Date Collected: 05/10/13 09:30

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	<1.0		1.0		ug/L			05/21/13 19:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			05/21/13 19:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			05/21/13 19:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 19:15	1
Trichloroethene	**2.5**		1.0		ug/L			05/21/13 19:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			05/21/13 19:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			05/21/13 19:15	1
Benzene	<1.0		1.0		ug/L			05/21/13 19:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 19:15	1
Bromoform	<1.0		1.0		ug/L			05/21/13 19:15	1
2-Hexanone	<10		10		ug/L			05/21/13 19:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			05/21/13 19:15	1
Tetrachloroethene	**39**		1.0		ug/L			05/21/13 19:15	1
Toluene	<1.0		1.0		ug/L			05/21/13 19:15	1
Chlorobenzene	<1.0		1.0		ug/L			05/21/13 19:15	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/13 19:15	1
Styrene	<1.0		1.0		ug/L			05/21/13 19:15	1
Xylenes, Total	<2.0		2.0		ug/L			05/21/13 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*05/21/13 19:15*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*05/21/13 19:15*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*05/21/13 19:15*	*1*

Client Sample ID: Purge Water

Lab Sample ID: 680-90270-6

Date Collected: 05/10/13 09:57

Matrix: Water

Date Received: 05/14/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020		mg/L			05/18/13 19:38	20
1,2-Dichloroethane	<0.020		0.020		mg/L			05/18/13 19:38	20
Chlorobenzene	<0.020		0.020		mg/L			05/18/13 19:38	20
Tetrachloroethene	<0.020		0.020		mg/L			05/18/13 19:38	20
Carbon tetrachloride	<0.020		0.020		mg/L			05/18/13 19:38	20
Chloroform	<0.020		0.020		mg/L			05/18/13 19:38	20
Benzene	<0.020		0.020		mg/L			05/18/13 19:38	20
Vinyl chloride	<0.020		0.020		mg/L			05/18/13 19:38	20
1,1-Dichloroethene	<0.020		0.020		mg/L			05/18/13 19:38	20
2-Butanone	<0.20		0.20		mg/L			05/18/13 19:38	20
Trichloroethene	<0.020		0.020		mg/L			05/18/13 19:38	20
Hexachlorobutadiene	<0.020		0.020		mg/L			05/18/13 19:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*05/18/13 19:38*	*20*
Dibromofluoromethane	*106*		*70 - 130*		*05/18/13 19:38*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/18/13 19:38*	*20*

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Client Sample ID: Purge Water
Date Collected: 05/10/13 09:57
Date Received: 05/14/13 08:10

Lab Sample ID: 680-90270-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
Pyridine	<0.25		0.25		mg/L		05/15/13 14:54	05/20/13 23:28	1
Hexachlorobenzene	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
2,4-Dinitrotoluene	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
Hexachloroethane	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
Hexachlorobutadiene	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
Pentachlorophenol	<0.25		0.25		mg/L		05/15/13 14:54	05/20/13 23:28	1
2,4,6-Trichlorophenol	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
2,4,5-Trichlorophenol	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
Nitrobenzene	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
2-Methylphenol	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1
3 & 4 Methylphenol	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*31 - 141*	*05/15/13 14:54*	*05/20/13 23:28*	*1*
2-Fluorobiphenyl	*75*		*38 - 130*	*05/15/13 14:54*	*05/20/13 23:28*	*1*
2-Fluorophenol (Surr)	*70*		*25 - 130*	*05/15/13 14:54*	*05/20/13 23:28*	*1*
Terphenyl-d14 (Surr)	*40*		*10 - 143*	*05/15/13 14:54*	*05/20/13 23:28*	*1*
Phenol-d5 (Surr)	*67*		*25 - 130*	*05/15/13 14:54*	*05/20/13 23:28*	*1*
Nitrobenzene-d5 (Surr)	*75*		*39 - 130*	*05/15/13 14:54*	*05/20/13 23:28*	*1*

Surrogate Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
680-90270-1	Trip Blank	107	98	106
680-90270-2	EB051013	106	98	105
680-90270-3	Dup051013	108	96	103
680-90270-4	SS-2	108	96	106
680-90270-5	SS-1	107	97	104
LCS 680-277199/3	Lab Control Sample	103	97	107
LCS 680-277479/4	Lab Control Sample	100	103	100
LCSD 680-277199/4	Lab Control Sample Dup	105	98	107
LCSD 680-277479/5	Lab Control Sample Dup	103	107	97
MB 680-277199/6	Method Blank	95	91	107
MB 680-277479/7	Method Blank	97	90	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
680-90270-6	Purge Water	96	106	97
LB 680-276716/5-A LB	Method Blank	95	103	97

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPH	PHL	NBZ
Lab Sample ID	Client Sample ID	(31-141)	(38-130)	(25-130)	(10-143)	(25-130)	(39-130)
LCS 680-276727/3-A	Lab Control Sample	87	78	77	74	73	77
MB 680-276727/2-A	Method Blank	93	80	82	76	79	80

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
TPH = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	TPH	PHL	NBZ		
Lab Sample ID	Client Sample ID	(31-141)	(38-130)	(25-130)	(10-143)	(25-130)	(39-130)		
680-90270-6	Purge Water	91	75	70	40	67	75		
680-90270-6 MS	Purge Water	85	73	75	34	70	74		
680-90270-6 MSD	Purge Water	68	59	65	30	60	61		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
TPH = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-277199/6
Matrix: Water
Analysis Batch: 277199

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Vinyl chloride	<0.0010		0.0010		mg/L			05/18/13 14:46	1
1,1-Dichloroethene	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Chloroform	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Hexachlorobutadiene	<0.0010		0.0010		mg/L			05/18/13 14:46	1
1,2-Dichloroethane	<0.0010		0.0010		mg/L			05/18/13 14:46	1
2-Butanone	<0.010		0.010		mg/L			05/18/13 14:46	1
Carbon tetrachloride	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Trichloroethene	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Benzene	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Tetrachloroethene	<0.0010		0.0010		mg/L			05/18/13 14:46	1
Chlorobenzene	<0.0010		0.0010		mg/L			05/18/13 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/18/13 14:46*	*1*
4-Bromofluorobenzene	*91*		*70 - 130*		*05/18/13 14:46*	*1*
Dibromofluoromethane	*107*		*70 - 130*		*05/18/13 14:46*	*1*

Lab Sample ID: LCS 680-277199/3
Matrix: Water
Analysis Batch: 277199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0503		mg/L		101	76 - 124
Vinyl chloride	0.0500	0.0560		mg/L		112	58 - 141
1,1-Dichloroethene	0.0500	0.0599		mg/L		120	73 - 134
Chloroform	0.0500	0.0580		mg/L		116	76 - 128
Hexachlorobutadiene	0.0500	0.0601		mg/L		120	62 - 145
1,2-Dichloroethane	0.0500	0.0447		mg/L		89	75 - 120
2-Butanone	0.100	0.120		mg/L		120	55 - 142
Carbon tetrachloride	0.0500	0.0547		mg/L		109	70 - 131
Trichloroethene	0.0500	0.0541		mg/L		108	80 - 120
Benzene	0.0500	0.0518		mg/L		104	74 - 123
Tetrachloroethene	0.0500	0.0619		mg/L		124	77 - 128
Chlorobenzene	0.0500	0.0517		mg/L		103	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*

Lab Sample ID: LCSD 680-277199/4
Matrix: Water
Analysis Batch: 277199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0500	0.0493		mg/L		99	76 - 124	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-277199/4
Matrix: Water
Analysis Batch: 277199

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride			0.0500	0.0543		mg/L		109	58 - 141	3	30
1,1-Dichloroethene			0.0500	0.0589		mg/L		118	73 - 134	2	30
Chloroform			0.0500	0.0591		mg/L		118	76 - 128	2	30
Hexachlorobutadiene			0.0500	0.0584		mg/L		117	62 - 145	3	30
1,2-Dichloroethane			0.0500	0.0452		mg/L		90	75 - 120	1	30
2-Butanone			0.100	0.120		mg/L		120	55 - 142	1	30
Carbon tetrachloride			0.0500	0.0552		mg/L		110	70 - 131	1	30
Trichloroethene			0.0500	0.0543		mg/L		109	80 - 120	0	30
Benzene			0.0500	0.0528		mg/L		106	74 - 123	2	30
Tetrachloroethene			0.0500	0.0609		mg/L		122	77 - 128	2	30
Chlorobenzene			0.0500	0.0517		mg/L		103	79 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*

Lab Sample ID: MB 680-277479/7
Matrix: Water
Analysis Batch: 277479

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<1.0		1.0		ug/L			05/21/13 13:19	1
Bromomethane	<5.0		5.0		ug/L			05/21/13 13:19	1
Chloroethane	<5.0		5.0		ug/L			05/21/13 13:19	1
Methylene Chloride	<5.0		5.0		ug/L			05/21/13 13:19	1
Acetone	<25		25		ug/L			05/21/13 13:19	1
Carbon disulfide	<2.0		2.0		ug/L			05/21/13 13:19	1
Vinyl chloride	<1.0		1.0		ug/L			05/21/13 13:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			05/21/13 13:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			05/21/13 13:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 13:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			05/21/13 13:19	1
Chloroform	<1.0		1.0		ug/L			05/21/13 13:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			05/21/13 13:19	1
2-Butanone (MEK)	<10		10		ug/L			05/21/13 13:19	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			05/21/13 13:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			05/21/13 13:19	1
Dichlorobromomethane	<1.0		1.0		ug/L			05/21/13 13:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			05/21/13 13:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			05/21/13 13:19	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 13:19	1
Trichloroethene	<1.0		1.0		ug/L			05/21/13 13:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			05/21/13 13:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			05/21/13 13:19	1
Benzene	<1.0		1.0		ug/L			05/21/13 13:19	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			05/21/13 13:19	1
Bromoform	<1.0		1.0		ug/L			05/21/13 13:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-277479/7
Matrix: Water
Analysis Batch: 277479

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<10		10		ug/L			05/21/13 13:19	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			05/21/13 13:19	1
Tetrachloroethene	<1.0		1.0		ug/L			05/21/13 13:19	1
Toluene	<1.0		1.0		ug/L			05/21/13 13:19	1
Chlorobenzene	<1.0		1.0		ug/L			05/21/13 13:19	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/13 13:19	1
Styrene	<1.0		1.0		ug/L			05/21/13 13:19	1
Xylenes, Total	<2.0		2.0		ug/L			05/21/13 13:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/21/13 13:19*	*1*
4-Bromofluorobenzene	*90*		*70 - 130*		*05/21/13 13:19*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*05/21/13 13:19*	*1*

Lab Sample ID: LCS 680-277479/4
Matrix: Water
Analysis Batch: 277479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	45.7		ug/L		91	47 - 151
Bromomethane	50.0	53.5		ug/L		107	10 - 171
Chloroethane	50.0	62.0		ug/L		124	47 - 148
Methylene Chloride	50.0	48.0		ug/L		96	79 - 124
Acetone	100	90.4		ug/L		90	39 - 162
Carbon disulfide	50.0	48.2		ug/L		96	63 - 142
Vinyl chloride	50.0	47.2		ug/L		94	58 - 141
1,1-Dichloroethane	50.0	47.8		ug/L		96	69 - 132
1,1-Dichloroethene	50.0	50.1		ug/L		100	73 - 134
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	78 - 127
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	78 - 130
Chloroform	50.0	49.8		ug/L		100	76 - 128
1,2-Dichloroethane	50.0	47.1		ug/L		94	75 - 120
2-Butanone (MEK)	100	87.3		ug/L		87	55 - 142
1,1,1-Trichloroethane	50.0	45.3		ug/L		91	76 - 126
Carbon tetrachloride	50.0	37.8		ug/L		76	70 - 131
Dichlorobromomethane	50.0	44.2		ug/L		88	72 - 129
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/L		97	71 - 127
1,2-Dichloropropane	50.0	45.5		ug/L		91	71 - 126
trans-1,3-Dichloropropene	50.0	42.1		ug/L		84	72 - 127
Trichloroethene	50.0	47.8		ug/L		96	80 - 120
Chlorodibromomethane	50.0	40.6		ug/L		81	63 - 134
1,1,2-Trichloroethane	50.0	46.7		ug/L		93	69 - 127
Benzene	50.0	48.9		ug/L		98	74 - 123
cis-1,3-Dichloropropene	50.0	43.8		ug/L		88	73 - 128
Bromoform	50.0	33.2		ug/L		66	60 - 134
2-Hexanone	100	89.8		ug/L		90	52 - 149
4-Methyl-2-pentanone (MIBK)	100	81.8		ug/L		82	51 - 143
Tetrachloroethene	50.0	50.4		ug/L		101	77 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-277479/4
Matrix: Water
Analysis Batch: 277479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	50.0	50.5		ug/L		101	77 - 125
Chlorobenzene	50.0	50.2		ug/L		100	79 - 120
Ethylbenzene	50.0	51.8		ug/L		104	78 - 125
Styrene	50.0	53.2		ug/L		106	75 - 129
Xylenes, Total	150	156		ug/L		104	80 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

Lab Sample ID: LCSD 680-277479/5
Matrix: Water
Analysis Batch: 277479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	50.0	47.5		ug/L		95	47 - 151	4	30
Bromomethane	50.0	62.7		ug/L		125	10 - 171	16	50
Chloroethane	50.0	62.8		ug/L		126	47 - 148	1	40
Methylene Chloride	50.0	47.1		ug/L		94	79 - 124	2	30
Acetone	100	77.9		ug/L		78	39 - 162	15	50
Carbon disulfide	50.0	46.3		ug/L		93	63 - 142	4	30
Vinyl chloride	50.0	48.8		ug/L		98	58 - 141	3	30
1,1-Dichloroethane	50.0	45.0		ug/L		90	69 - 132	6	30
1,1-Dichloroethene	50.0	49.5		ug/L		99	73 - 134	1	30
cis-1,2-Dichloroethene	50.0	46.9		ug/L		94	78 - 127	6	30
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	78 - 130	1	30
Chloroform	50.0	47.0		ug/L		94	76 - 128	6	30
1,2-Dichloroethane	50.0	48.4		ug/L		97	75 - 120	3	30
2-Butanone (MEK)	100	81.7		ug/L		82	55 - 142	7	30
1,1,1-Trichloroethane	50.0	44.9		ug/L		90	76 - 126	1	30
Carbon tetrachloride	50.0	37.4		ug/L		75	70 - 131	1	30
Dichlorobromomethane	50.0	42.4		ug/L		85	72 - 129	4	30
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	71 - 127	4	30
1,2-Dichloropropane	50.0	39.6		ug/L		79	71 - 126	14	30
trans-1,3-Dichloropropene	50.0	38.0		ug/L		76	72 - 127	10	50
Trichloroethene	50.0	44.3		ug/L		89	80 - 120	7	30
Chlorodibromomethane	50.0	40.6		ug/L		81	63 - 134	0	50
1,1,2-Trichloroethane	50.0	50.5		ug/L		101	69 - 127	8	30
Benzene	50.0	50.5		ug/L		101	74 - 123	3	30
cis-1,3-Dichloropropene	50.0	37.2		ug/L		74	73 - 128	16	30
Bromoform	50.0	35.3		ug/L		71	60 - 134	6	30
2-Hexanone	100	85.5		ug/L		85	52 - 149	5	30
4-Methyl-2-pentanone (MIBK)	100	86.5		ug/L		86	51 - 143	6	30
Tetrachloroethene	50.0	50.6		ug/L		101	77 - 128	0	30
Toluene	50.0	53.4		ug/L		107	77 - 125	5	30
Chlorobenzene	50.0	52.3		ug/L		105	79 - 120	4	30
Ethylbenzene	50.0	53.1		ug/L		106	78 - 125	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-277479/5
Matrix: Water
Analysis Batch: 277479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene			50.0	56.1		ug/L		112	75 - 129	5	30
Xylenes, Total			150	161		ug/L		107	80 - 124	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

Lab Sample ID: LB 680-276716/5-A LB
Matrix: Water
Analysis Batch: 277199

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020		mg/L			05/18/13 15:54	20
Vinyl chloride	<0.020		0.020		mg/L			05/18/13 15:54	20
1,1-Dichloroethene	<0.020		0.020		mg/L			05/18/13 15:54	20
Chloroform	<0.020		0.020		mg/L			05/18/13 15:54	20
Hexachlorobutadiene	<0.020		0.020		mg/L			05/18/13 15:54	20
1,2-Dichloroethane	<0.020		0.020		mg/L			05/18/13 15:54	20
2-Butanone	<0.20		0.20		mg/L			05/18/13 15:54	20
Carbon tetrachloride	<0.020		0.020		mg/L			05/18/13 15:54	20
Trichloroethene	<0.020		0.020		mg/L			05/18/13 15:54	20
Benzene	<0.020		0.020		mg/L			05/18/13 15:54	20
Tetrachloroethene	<0.020		0.020		mg/L			05/18/13 15:54	20
Chlorobenzene	<0.020		0.020		mg/L			05/18/13 15:54	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/18/13 15:54*	*20*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/18/13 15:54*	*20*
Dibromofluoromethane	*103*		*70 - 130*		*05/18/13 15:54*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-276727/2-A
Matrix: Water
Analysis Batch: 277452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 276727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
Pyridine	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 22:33	1
Hexachlorobenzene	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
2,4-Dinitrotoluene	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
Hexachloroethane	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
Hexachlorobutadiene	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
Pentachlorophenol	<0.050		0.050		mg/L		05/15/13 14:54	05/20/13 22:33	1
2,4,6-Trichlorophenol	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
2,4,5-Trichlorophenol	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-276727/2-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277452 — **Prep Batch: 276727**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
2-Methylphenol	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1
3 & 4 Methylphenol	<0.010		0.010		mg/L		05/15/13 14:54	05/20/13 22:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*31 - 141*	*05/15/13 14:54*	*05/20/13 22:33*	*1*
2-Fluorobiphenyl	*80*		*38 - 130*	*05/15/13 14:54*	*05/20/13 22:33*	*1*
2-Fluorophenol (Surr)	*82*		*25 - 130*	*05/15/13 14:54*	*05/20/13 22:33*	*1*
Terphenyl-d14 (Surr)	*76*		*10 - 143*	*05/15/13 14:54*	*05/20/13 22:33*	*1*
Phenol-d5 (Surr)	*79*		*25 - 130*	*05/15/13 14:54*	*05/20/13 22:33*	*1*
Nitrobenzene-d5 (Surr)	*80*		*39 - 130*	*05/15/13 14:54*	*05/20/13 22:33*	*1*

Lab Sample ID: LCS 680-276727/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277452 — **Prep Batch: 276727**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.100	0.0626		mg/L		63	43 - 130
Pyridine	0.100	0.0597		mg/L		60	10 - 130
Hexachlorobenzene	0.100	0.0681		mg/L		68	52 - 130
2,4-Dinitrotoluene	0.100	0.0755		mg/L		75	63 - 130
Hexachloroethane	0.100	0.0627		mg/L		63	39 - 130
Hexachlorobutadiene	0.100	0.0699		mg/L		70	36 - 130
Pentachlorophenol	0.100	0.0826		mg/L		83	42 - 138
2,4,6-Trichlorophenol	0.100	0.0817		mg/L		82	57 - 130
2,4,5-Trichlorophenol	0.100	0.0851		mg/L		85	61 - 130
Nitrobenzene	0.100	0.0736		mg/L		74	56 - 130
2-Methylphenol	0.100	0.0795		mg/L		80	55 - 130
3 & 4 Methylphenol	0.100	0.0891		mg/L		89	35 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*31 - 141*
2-Fluorobiphenyl	*78*		*38 - 130*
2-Fluorophenol (Surr)	*77*		*25 - 130*
Terphenyl-d14 (Surr)	*74*		*10 - 143*
Phenol-d5 (Surr)	*73*		*25 - 130*
Nitrobenzene-d5 (Surr)	*77*		*39 - 130*

Lab Sample ID: 680-90270-6 MS — **Client Sample ID: Purge Water**
Matrix: Water — **Prep Type: TCLP**
Analysis Batch: 277452 — **Prep Batch: 276727**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	<0.050		0.500	0.314		mg/L		63	43 - 130
Pyridine	<0.25		0.500	0.289		mg/L		58	10 - 130
Hexachlorobenzene	<0.050		0.500	0.324		mg/L		65	52 - 130
2,4-Dinitrotoluene	<0.050		0.500	0.363		mg/L		73	63 - 130
Hexachloroethane	<0.050		0.500	0.296		mg/L		59	39 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-90270-6 MS
Matrix: Water
Analysis Batch: 277452

Client Sample ID: Purge Water
Prep Type: TCLP
Prep Batch: 276727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	<0.050		0.500	0.339		mg/L		68	36 - 130
Pentachlorophenol	<0.25		0.500	0.378		mg/L		76	42 - 138
2,4,6-Trichlorophenol	<0.050		0.500	0.376		mg/L		75	57 - 130
2,4,5-Trichlorophenol	<0.050		0.500	0.388		mg/L		78	61 - 130
Nitrobenzene	<0.050		0.500	0.386		mg/L		77	56 - 130
2-Methylphenol	<0.050		0.500	0.368		mg/L		74	55 - 130
3 & 4 Methylphenol	<0.050		0.500	0.402		mg/L		80	35 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*31 - 141*
2-Fluorobiphenyl	*73*		*38 - 130*
2-Fluorophenol (Surr)	*75*		*25 - 130*
Terphenyl-d14 (Surr)	*34*		*10 - 143*
Phenol-d5 (Surr)	*70*		*25 - 130*
Nitrobenzene-d5 (Surr)	*74*		*39 - 130*

Lab Sample ID: 680-90270-6 MSD
Matrix: Water
Analysis Batch: 277452

Client Sample ID: Purge Water
Prep Type: TCLP
Prep Batch: 276727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	<0.050		0.500	0.268		mg/L		54	43 - 130	16	50
Pyridine	<0.25		0.500	0.265		mg/L		53	10 - 130	9	50
Hexachlorobenzene	<0.050		0.500	0.272		mg/L		54	52 - 130	17	50
2,4-Dinitrotoluene	<0.050		0.500	0.294	F	mg/L		59	63 - 130	21	50
Hexachloroethane	<0.050		0.500	0.253		mg/L		51	39 - 130	16	50
Hexachlorobutadiene	<0.050		0.500	0.283		mg/L		57	36 - 130	18	50
Pentachlorophenol	<0.25		0.500	0.323		mg/L		65	42 - 138	16	50
2,4,6-Trichlorophenol	<0.050		0.500	0.315		mg/L		63	57 - 130	18	50
2,4,5-Trichlorophenol	<0.050		0.500	0.327		mg/L		65	61 - 130	17	50
Nitrobenzene	<0.050		0.500	0.323		mg/L		65	56 - 130	18	50
2-Methylphenol	<0.050		0.500	0.307		mg/L		61	55 - 130	18	50
3 & 4 Methylphenol	<0.050		0.500	0.343		mg/L		69	35 - 130	16	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*68*		*31 - 141*
2-Fluorobiphenyl	*59*		*38 - 130*
2-Fluorophenol (Surr)	*65*		*25 - 130*
Terphenyl-d14 (Surr)	*30*		*10 - 143*
Phenol-d5 (Surr)	*60*		*25 - 130*
Nitrobenzene-d5 (Surr)	*61*		*39 - 130*

Lab Chronicle

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Client Sample ID: Trip Blank — Lab Sample ID: 680-90270-1

Date Collected: 05/10/13 00:00 — **Matrix: Water**
Date Received: 05/14/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277479	05/21/13 14:18	JD	TAL SAV

Client Sample ID: EB051013 — Lab Sample ID: 680-90270-2

Date Collected: 05/10/13 10:00 — **Matrix: Water**
Date Received: 05/14/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277479	05/21/13 14:48	JD	TAL SAV

Client Sample ID: Dup051013 — Lab Sample ID: 680-90270-3

Date Collected: 05/10/13 09:22 — **Matrix: Water**
Date Received: 05/14/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277479	05/21/13 18:15	JD	TAL SAV

Client Sample ID: SS-2 — Lab Sample ID: 680-90270-4

Date Collected: 05/10/13 09:20 — **Matrix: Water**
Date Received: 05/14/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277479	05/21/13 18:45	JD	TAL SAV

Client Sample ID: SS-1 — Lab Sample ID: 680-90270-5

Date Collected: 05/10/13 09:30 — **Matrix: Water**
Date Received: 05/14/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277479	05/21/13 19:15	JD	TAL SAV

Client Sample ID: Purge Water — Lab Sample ID: 680-90270-6

Date Collected: 05/10/13 09:57 — **Matrix: Water**
Date Received: 05/14/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			276716	05/14/13 21:03	BB	TAL SAV
TCLP	Analysis	8260B		20	277199	05/18/13 19:38	AJMC	TAL SAV
TCLP	Leach	1311			276673	05/14/13 14:58	BB	TAL SAV
TCLP	Prep	3520C			276727	05/15/13 14:54	RBS	TAL SAV
TCLP	Analysis	8270D		1	277452	05/20/13 23:28	SMP	TAL SAV

Lab Chronicle

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Ashland Alterman	68002361	GA
TAL (LAB) PROJECT MANAGER: Jerry Lanier	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Michelle Staygook	CLIENT PHONE: 912-807-1494	CLIENT FAX
CLIENT NAME: EHS	CLIENT E-MAIL: michelle.staygook@ehssupport.com	
CLIENT ADDRESS: 3909 Tweedplair Dr. Columbus, OH		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY (X)
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 8260B-VOCs	8270D-TCLP	8260B-TCLP							REMARKS
								HCl	ice	ice							
—	—	Trip Blank		X				2									Lot #040913
5/10/13	1000	EB051013		X				3									
5/10/13	0922	Dup051013		X				3									
5/10/13	0920	SS-2		X				3									
05/10/13	0930	SS-1		X				3									
05/10/13	0957	Purge Water		X					1	1							

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	05/13/13	1700						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	05/14/13	0810	YES ( ) NO ( )		68090270	5.4 °C

TAL8240-680 (1008)

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5/22/2013

Login Sample Receipt Checklist

Client: EHS Support, LLC

Job Number: 680-90270-1

Login Number: 90270
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: EHS Support, LLC
Project/Site: Ashland Alterman

TestAmerica Job ID: 680-90270-1

Laboratory: TestAmerica Savannah

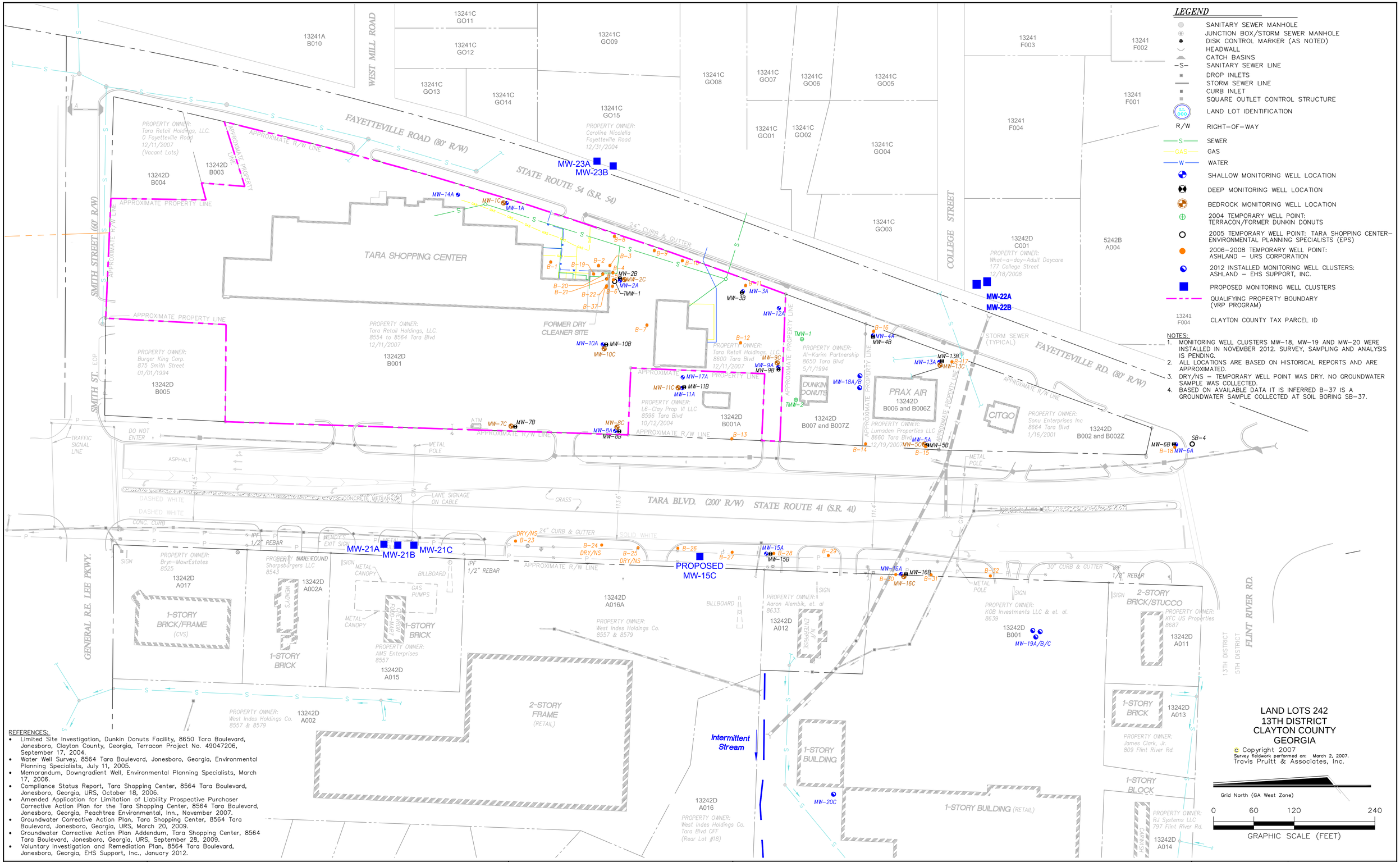
All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
Arkansas DEQ	State Program	6	88-0692	02-01-13 *
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13 *
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13 *
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13 *
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13 *
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

* Expired certification is currently pending renewal and is considered valid.

ATTACHMENT D

Revised Exhibit A – Proposed Off-site well locations



REFERENCES:

- Limited Site Investigation, Dunkin Donuts Facility, 8650 Tara Boulevard, Jonesboro, Clayton County, Georgia, Terracon Project No. 49047206, September 17, 2004.
- Water Well Survey, 8564 Tara Boulevard, Jonesboro, Georgia, Environmental Planning Specialists, July 11, 2005.
- Memorandum, Downgradient Well, Environmental Planning Specialists, March 17, 2006.
- Compliance Status Report, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, October 18, 2006.
- Amended Application for Limitation of Liability Prospective Purchaser Corrective Action Plan for the Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, Peachtree Environmental, Inn., November 2007.
- Groundwater Corrective Action Plan, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, March 20, 2009.
- Groundwater Corrective Action Plan Addendum, Tara Shopping Center, 8564 Tara Boulevard, Jonesboro, Georgia, URS, September 28, 2009.
- Voluntary Investigation and Remediation Plan, 8564 Tara Boulevard, Jonesboro, Georgia, EHS Support, Inc., January 2012.

EHS Support *consider it done*
www.ehs-support.com

REVISIONS				
Rev.		By:	Disc.: Add properties to the east of Fayetteville Road	Date: 12/2012
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:
Rev.		By:	Disc.:	Date:

TARA HOLDINGS
8564 TARA BOULEVARD
JONESBORO, GEORGIA

REVISED EXHIBIT A
PROPOSED WELL LOCATIONS GEORGIA DOT RIGHT OF WAY

Drawn By:	MDO	Date Drawn:	05/22/2013
Reviewed By:	MSS	Date Reviewed:	05/2013
Scale:	1" = 120'	Plot Date:	05/2013
Project Number.:	C00342-2013		