

# REPORT

For Atlanta BeltLine, Inc.

Arsenic Delineation Sampling **Atlanta BeltLine – Southside Trail** Segment 3; Approximate 0.865-Mile Section (STA: 189+84.00 to 245+05.00) Atlanta Fulton County Georgia









Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Segment 3; Approximate 0.865-Mile Section (STA: 189+84.00 to 245+05.00) Atlanta, Fulton County, Georgia 20-GA-01192-12

October 23, 2020

## Atlanta BeltLine, Inc.

c/o

Mr. Sean Johnston, P.E. Vice President **Kimley-Horn** 817 West Peachtree Street NW The Biltmore Suite 601 Atlanta, Georgia 30308

Via Email: Sean.Johnston@kimley-horn.com; KBurke@atlbeltline.org

RE: Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Segment 3; Approximate 0.865-Mile Section (STA: 189+84.00 to 245+05.00) Atlanta, Georgia Project No.; 20-GA-01192-12

Dear Mr. Johnston:

United Consulting is pleased to submit this summary report of our arsenic delineation sampling for the Atlanta BeltLine – Southside Trail (SST); Segment 3; approximate 0.865-Mile Section (STA: 189+84.00 to 245+05.00) (hereinafter referred to as the Project Site). The purpose of the sampling as reported herein was to delineate impacts requiring possible remedial actions under the Brownfield Prospective Purchaser Corrective Action Plan (PPCAP), as amended, and consistent with the corrective action approach developed for the SST as detailed within Appendix F to PPCAP Amendment #2. This report summarizes the soil delineation sampling and the results for arsenic in thirteen (13) areas along the Project Site.

## BACKGROUND

United Consulting previously completed a Phase II Environmental Assessment/Initial Brownfield Site Characterization Sampling (Phase II/BSCS) on the Project Site and various other portions of the Southside Trail, in a report dated from September 19, 2018. A total of 105 borings were advanced across the Southside Trail, with one shallow soil sample (generally in the top 2 feet of the soil column) collected from each boring. The soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile compounds (SVOCs), Resource Conservation and Recovery Act (RCRA) 8 Metals, and/or polychlorinated biphenyls (PCBs), depending on boring location. That analysis identified various metals, VOC, and SVOC impacts, depending on location.



20-GA-01192-12 Page 3 of 11

Arsenic was detected in the soil samples collected from the Project Site. The following boring locations and their associated arsenic detections exceeded the non-residential Risk Reduction Standards (RRSs) were the focus of this delineation assessment: arsenic at EB-51, EB-53 through EB-56, EB-59, EB-60, EB-62, EB-64, EB-65, EB-69, EB-73, and EB-74. Of note, four areas (EB-57, EB-59, EB-64, and EB-65) were previously remediated for non-arsenic constituents. Specific at EB-57, arsenic was detected below non-residential RRS and therefore did not require additional arsenic delineation. This non-arsenic remediation was generally documented within Appendix F to CAP Amendment #2, dated June 7, 2019.

The RRSs and Atlanta BeltLine analyte list, inclusive of constituents detected on various other portions of the Atlanta BeltLine Properties, were established and approved by the Georgia Environmental Protection Division (EPD) as part of Amendment #2 to the approved master PPCAP for the BeltLine properties. These RRSs, as available, were used for comparison within the Phase II report. This report summarizes soil delineation sampling for arsenic exceeding the approved Type 3 non-residential RRS (38 milligrams per kilogram (mg/Kg)), as detected during our previous Phase II and conducted in accordance with the corrective action approach as defined within Appendix F to CAP Amendment #2. Generally, delineation efforts were conducted within areas anticipated to receive less than one foot of fill to meet final grades; furthermore, for identified areas which required remediation, in accordance with Appendix F to CAP Amendment #2, the maximum extent of arsenic remediation extends laterally ten feet further than the outermost boring with an exceedance of the approved non-residential Type 3 RRS and/or to maintain utility buffers.

## ARSENIC DELINEATION SAMPLING

The sampling frequency of the arsenic delineation sampling was consistent with the existing master BeltLine CAP, and in accordance with Appendix F to CAP Amendment #2. The results from these assessments are briefly summarized below. The locations of the borings and approximate remediation areas are illustrated on the attached Figures and Exhibits. Table 1 summarizes the soil analytical testing results.

United Consulting mobilized to the Project Site on July 9<sup>th</sup> through 13<sup>th</sup>, 2020 to implement the proposed arsenic delineation sampling scope of our February 17, 2020 fee proposal, which generally included advancing delineation borings around the borings where arsenic was detected at concentrations requiring initial remediation (prior to the final Type 5 RRS approach). A total of 76 hand auger borings were advanced to obtain soil samples for potential laboratory analysis. This included six borings (two step-outs of three borings) around each of the original borings with impact concentrations above applicable RRS, plus one boring at the original boring location with the exceedance for vertical delineation. The borings were advanced to depths of approximately 2 to 4 feet.

One sample from the 63 horizontal step-out borings as well as samples from the 13 vertical delineation borings were collected for potential laboratory analysis of arsenic. The samples from each of the horizontal step-out borings were collected from within apparent fill materials, from a depth interval of approximately 0 to 2 feet. The samples from each of the vertical delineation borings were typically collected at depth intervals of approximately 2.5-3 feet below ground surface (ft. bgs) and/or 3.5 to 4 ft. bgs.



20-GA-01192-12 Page 4 of 11

Soil samples collected from the set of three inner step-out borings were advanced in equidistant directions from the original boring, as possible, and analyzed for arsenic. Soil samples collected from the second set of three outer step-out borings, were submitted to the laboratory on hold, and analyzed only if the inner step-out boring from that direction still exceeded applicable non-residential RRS for arsenic. A minimum safe buffer distance of 5 feet from utilities is required per the existing master BeltLine CAP. Step-out boring directions were modified accordingly to avoid breaching the approximate 5-foot safe distance buffer, per approximate utility locations presented to United Consulting in CAD files, original GDOT fiber plans, and/or field utility locating, as available. This sampling was conducted in the event that utility removal would be conducted at a later point. Remediation area shapes were generated based on the analytical results from the step out borings. The shapes of the remediation areas were generally oval-shaped, based on the three-direction step-out boring approach, and consistent with remediation performed on other portions of the BeltLine. The shapes and sizes of the remediation area will be determined during the remediation activities in the field, based on field conditions (i.e. utility locations determined by the remediation contractor).

Soil samples from the borings were classified according to the visual-manual procedure by United Consulting's environmental specialist. The typical soil profile included fill soils and naturally-occurring (residual) soils of the Piedmont physiographic providence. Fill soils were observed predominantly from the surface up to depths of approximately five feet. The fill materials generally consisted of black to dark brown silty sands and railroad ballast. A more detailed description of the subsurface conditions for this assessment is provided on the boring logs in Attachment D.

Six samples were also collected, and subsequently composited, from the remedial areas for analysis of RCRA metals via the toxicity characteristic leaching procedure (TCLP) to assess potential landfill disposal options. These were from borings EB-51, EB-53, EB-59, EB-65, EB-73, and EB-74.

Decontamination was performed and the Chains of Custody were maintained. Multiple quality control samples were collected and analyzed including duplicate and trip blank samples. Sampling at the site was conducted in general accordance with the EPA's, current Field Branches Quality System and Technical Procedures. These procedures are on the internet at EPA's website: http://www.epa.gov/region4/sesd/fbgstp/index.html.

## **REMEDIATION AREAS**

A total of 13 areas requiring remediation for arsenic have been identified. At each of the remediation areas, the vertical delineation samples were identified as in compliance with the applicable RRS and varied in depths from approximately 2 ft bgs to 3 ft bgs. At five of the thirteen locations, vertical delineation was attempted, but could not be achieved; as such vertical remediation for arsenic is controlled by the proposed trail elevation and the Type 5 RRS approach under the BeltLine CAP. Figures 1 and 2 show the overall locations of the remedial areas for this segment of the Southside Trail. Exhibits 4 through 7, and 39 through 48 show the individual remediation areas, their locations, associated sample points, and estimated remediation limits. Exhibits shown represent a limited portion of the overall remediation approach required for the Southside Trail, therefore only Remediation Areas within Segment 3 are discussed below (Segments 1, 2, and 4/5 are presented under separate cover):



20-GA-01192-12 Page 5 of 11

## **Remediation Area 4 (EB-57)**

As previously indicated, Remediation Area 4 was previously remediated for benzo(a)pyrene. Initial soil testing at sample location EB-57 did not identify arsenic at concentrations above non-residential RRS. Therefore, additional delineation at this location was not warranted.

## **Remediation Area 5 (EB-59)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-59. Additionally, benzene was detected at the original boring location at a concentration exceeding non-residential RRS (that remedial area was limited due to the existing utilities to the north, which was therein conditionally delineated and remediated in May 2019). Arsenic was additionally detected at concentrations exceeding applicable RRS in the inner and outer step-out borings to the west of the original boring location. Delineation was achieved to the south at the first step-out, and east at the second step-out location. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend ten feet past the outer step-out boring to the west, delineated by the inner and outer step-out borings to the south and east, and then restricted by the utility to the north. The required vertical excavation depth is 2.5 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 3.1 cubic yards (CY) of soil is estimated for excavation and offsite disposal. This excludes volume associated with previous non-arsenic remediation.

## **Remediation Area 6 (EB-64)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-64. Additionally, benzene was detected at the original boring location at a concentration exceeding non-residential RRS (that remedial area was limited due to the existing utilities to the north, which was therein conditionally delineated and remediated in May 2019). Arsenic was additionally detected at concentrations exceeding applicable RRS in the inner and outer step-out borings to the west of the original boring location. Delineation was achieved to the south and east at the inner step-out location. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend ten feet past the outer step-out boring to the west, delineated by the inner step-out borings to the south and east, and then restricted by utilities to the north. The required vertical excavation depth is 2.5 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 5.4 cubic yards (CY) of soil is estimated for excavation and offsite disposal. This excludes volume associated with previous non-arsenic remediation.



20-GA-01192-12 Page 6 of 11

## **Remediation Area 7 (EB-65)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-65. Additionally, benzo(a)pyrene and benzo(b)fluoranthene were detected at the original boring location at concentrations exceeding non-residential RRSs (that remedial area was an approximate 10-foot square, which was delineated and remediated in May 2019). Arsenic was additionally detected at concentrations exceeding applicable RRS in the inner and outer step-out boring to the southeast of the original boring location. Delineation was achieved to the north and southwest at the inner and outer step-out locations, respectively. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend ten feet past the outer step-out boring to the southeast, and are delineated by the step-out borings to the southwest and north. The required vertical excavation depth is 2.5 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 21.9 cubic yards (CY) of soil is estimated for excavation and offsite disposal. This excludes volume associated with previous non-arsenic remediation.

## **Remediation Area 39 (EB-51)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-51. Arsenic was additionally detected at concentrations exceeding applicable RRS in the inner and outer step-out boring to the northwest, but below applicable RRS at both the inner step-out borings to the east and southwest. Based on the aforementioned boundary definition and our review of provided trail design plans (for cut/fill analysis), a 1-foot vertical removal is supported at this area and a total of approximately 5.1 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

## **Remediation Area 40 (EB-53)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-53. Arsenic was additionally detected at concentrations below applicable RRS in the outer step-out borings to the north, east, and southwest of the original boring location. Due to utility conflicts across the central portion of the location, at this time, the excavation is bifurcated by a ten-foot band buffer. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend from the north and south of the utility buffer (five feet) and extend to the defined boundaries with samples below RRS at the north, east, and southwest. The required vertical excavation depth is 3 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 19.4 cubic yards (CY) of soil is estimated for excavation and offsite disposal.



20-GA-01192-12 Page 7 of 11

## **Remediation Area 41 (EB-54)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-54. Arsenic was additionally detected at concentrations exceeding applicable RRS in both the inner and outer step-out borings to the northeast of the original boring location. Arsenic detections at the inner step-out boring to the south and the outer step-out boring to the northwest were identified below RRS. In accordance with the Appendix F to CAP Amendment #2, the excavation at this location will extend ten feet laterally beyond the outer step-out boring to the northeast.

Based on the excavation boundary defined by a ten-foot lateral expansion from the step-out boring to the northeast, delineation to the northwest/south, and our review of provided trail plans (for cut/fill analysis), a 1-foot vertical removal is supported at this area and a total of approximately 11.9 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

## **Remediation Area 42 (EB-55)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-55. Arsenic was additionally detected at concentrations exceeding applicable RRS in both the inner and outer step-out borings to the north and southwest of the original boring location. Arsenic was detected at the outer step-out boring to the southeast below RRS. Due to utility conflicts nearest the outer step-out boring to the north, at this time, the arsenic excavation is bifurcated by a ten-foot band buffer. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend from to outer step-out to the southeast, southwestward to ten feet past the outer step-out boring to the north; furthermore, based on the location of these utilities, a small portion to the north of the second step-out north will also require remediation. The required vertical excavation depth is 2.5 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 48.2 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

## **Remediation Area 43 (EB-56)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-56. Arsenic was additionally detected at concentrations below applicable RRS in the outer step-out borings to the north, southeast, and southwest of the original boring location. Due to utility conflicts across the central portion of the location, at this time, the arsenic excavation is bifurcated by a ten-foot band buffer. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend from the north and south of the utility buffer (five feet) and extend to the defined boundaries with samples below RRS at the north, southeast, and southwest. The required vertical excavation depth is 2.5 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 17.0 cubic yards (CY) of soil is estimated for excavation and offsite disposal.



20-GA-01192-12 Page 8 of 11

## **Remediation Area 44 (EB-60)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-60. Arsenic was additionally detected at concentrations below applicable RRS in the inner step-out borings to the northeast, southeast, and west of the original boring location. Due to utility conflicts along the southern extent of the remediation area, at this time and in accordance with the Appendix F to CAP Amendment #2, the limits of the remediation area are limited to within five feet of these utilities and extend to the inner step-out borings to the northeast and west. The required vertical excavation depth is 2.0 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 5.2 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

## **Remediation Area 45 (EB-62)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-62. Arsenic was additionally detected at concentrations exceeding applicable RRS in both the inner and outer step-out borings to the northwest of the original boring location. Arsenic was detected at concentrations below applicable RRS in the inner step-out borings to the south and northeast of the original boring location. Due to utility conflicts along the southern extent of the remediation area, at this time and in accordance with the Appendix F to CAP Amendment #2, the limits of the remediation area are limited to within five feet of these utilities and extend to the inner step-out boring to the northeast, and ten feet past the outer step-out boring to the northwest. The required vertical excavation depth is 6 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 38.9 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

### **Remediation Area 46 (EB-69)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-69. Arsenic was additionally detected at concentrations below applicable RRS in each of the inner step-out borings to the northwest, southwest, and east of the original boring location. Due to utility conflicts along the southern extent of remediation, at this time, the arsenic excavation is limited to within the safe five-foot utility buffer. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend to within five feet of the utility buffer and to the defined inner step-out boring below RRS to the northwest. The required vertical excavation depth is 1 foot.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 1.1 cubic yards (CY) of soil is estimated for excavation and offsite disposal.



20-GA-01192-12 Page 9 of 11

## **Remediation Area 47 (EB-73)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-73. Arsenic was additionally detected at concentrations below applicable RRS in the outer step-out borings to the north, southeast, and southwest of the original boring location. Due to utility conflicts across the central portion of the location, at this time, the arsenic excavation is bifurcated by a ten-foot band buffer. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend from the north and south of the utility buffer (five feet) and to the outer step-out borings below RRS to the north, southwest, and southeast. The required vertical excavation depth is 5 feet.

Based on the aforementioned boundary definition and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 25.9 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

## **Remediation Area 48 (EB-74)**

Arsenic was detected at a concentration exceeding non-residential RRS at EB-74. Arsenic was additionally detected at concentrations exceeding the applicable RRS in both the inner and outer stepout borings to the southwest of the original boring location. Arsenic detections at each of the inner stepout borings to the southeast and north were identified below non-residential RRS. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend to the north and southeast inner step-out borings and ten feet past the outer step-out boring to the southwest.

Based on the aforementioned boundary definition and our review of provided trail plans (for cut/fill analysis), a 3-foot vertical removal is supported at this area and a total of approximately 29.0 cubic yards (CY) of soil is estimated for excavation and offsite disposal.



20-GA-01192-12 Page 10 of 11

## SUMMARY

Based on the above, with a 20% contingency, there is an estimated 279 CY of impacted soils requiring excavation and disposal at an appropriately licensed landfill to meet the requirements of the EPD approved CAP for the arsenic impacted soils along this section of the Southside Trail. The estimated cubic yardage is an estimated in situ volume, which equates to approximately 418 tons (please see below regarding utility conflicts). Table 2 summarizes the total estimated excavation volume for the arsenic impacted areas. Based on the six samples composited as a single sample for analysis via the TCLP, the soils are likely acceptable for Subtitle D landfill disposal. The receiving landfill could have additional testing requirements. Laboratory analytical testing results are included in Attachment E.

It is United Consulting's understanding that additional utility removals for Segment 3 will not be conducted in the near term future. If utilities are planned for removal prior to or as part of the trail construction, additional arsenic remediation may be warranted. This applies to Segment 3 and the remaining portions of the SST. United Consulting requests that Kimley Horn review the attached Exhibits relative to the known utilities, determine if removals are anticipated, and illustrate utility removal areas within these areas. Then the needed additional action can be defined.

This report does not address the railroad ballasts as may be present across this segment. It is United Consulting's understanding such ballast as present will be managed onsite during construction under the final soil cover meeting the Type 5 RRS approach.

We appreciate the opportunity to assist you with this project and look forward to our continued participation. Please contact us if you have any questions or if we can be of further assistance.

Sincerely,

UNITED CONSULTING

Brandon W. Sharp Staff Engineer

encer Cox

Project Environmental Specialist

BS/SCC/RCG/rgw

SharePoint: BeltLineSST.Segment3.Delineation.01192-12

Russell C. Griebel, C.P.G., P.G. Executive Vice President



Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Segment 3; Approximate 0.865-Mile Section (STA: 189+84.00 to 245+05.00) Atlanta, Fulton County, Georgia

## 20-GA-01192-12 Page 11 of 11

## ATTACHMENT A

Figure 1 – Segment Location Overview – Street Map Figure 2 – Remediation Areas Overview – Aerial

## ATTACHMENT B

Exhibit 4 through 7, and 39 through 48

## ATTACHMENT C

Table 1 – Summary of Pre-Excavation Site Characterization Sampling Results Table 2 – Summary of Estimated Soil Remediation Volumes Per Remediation Area Table 3 – Remediation Cut/Fill Analysis and Approach

## ATTACHMENT D

Boring Logs

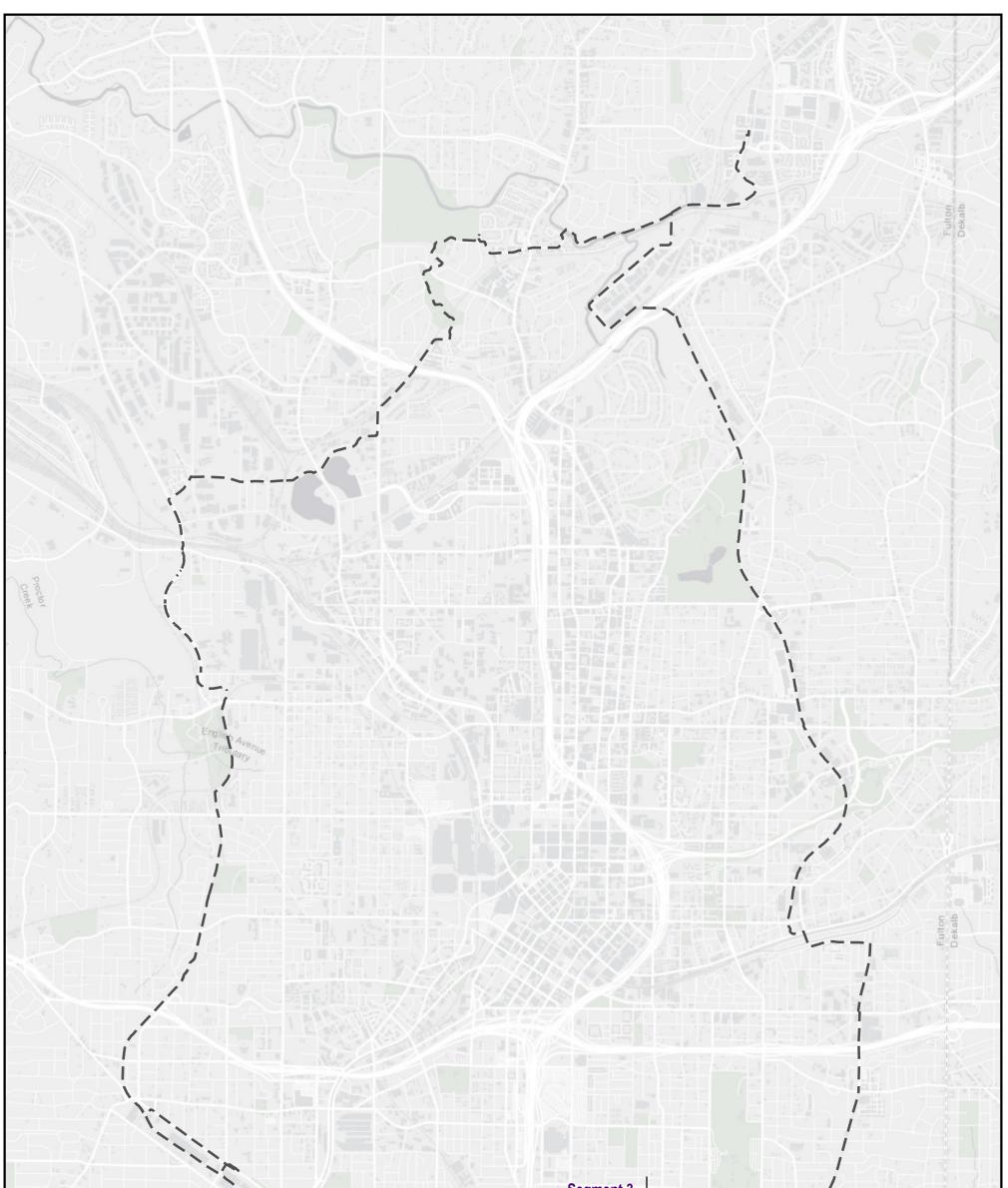
## ATTACHMENT E

Laboratory Analytical Testing Reports

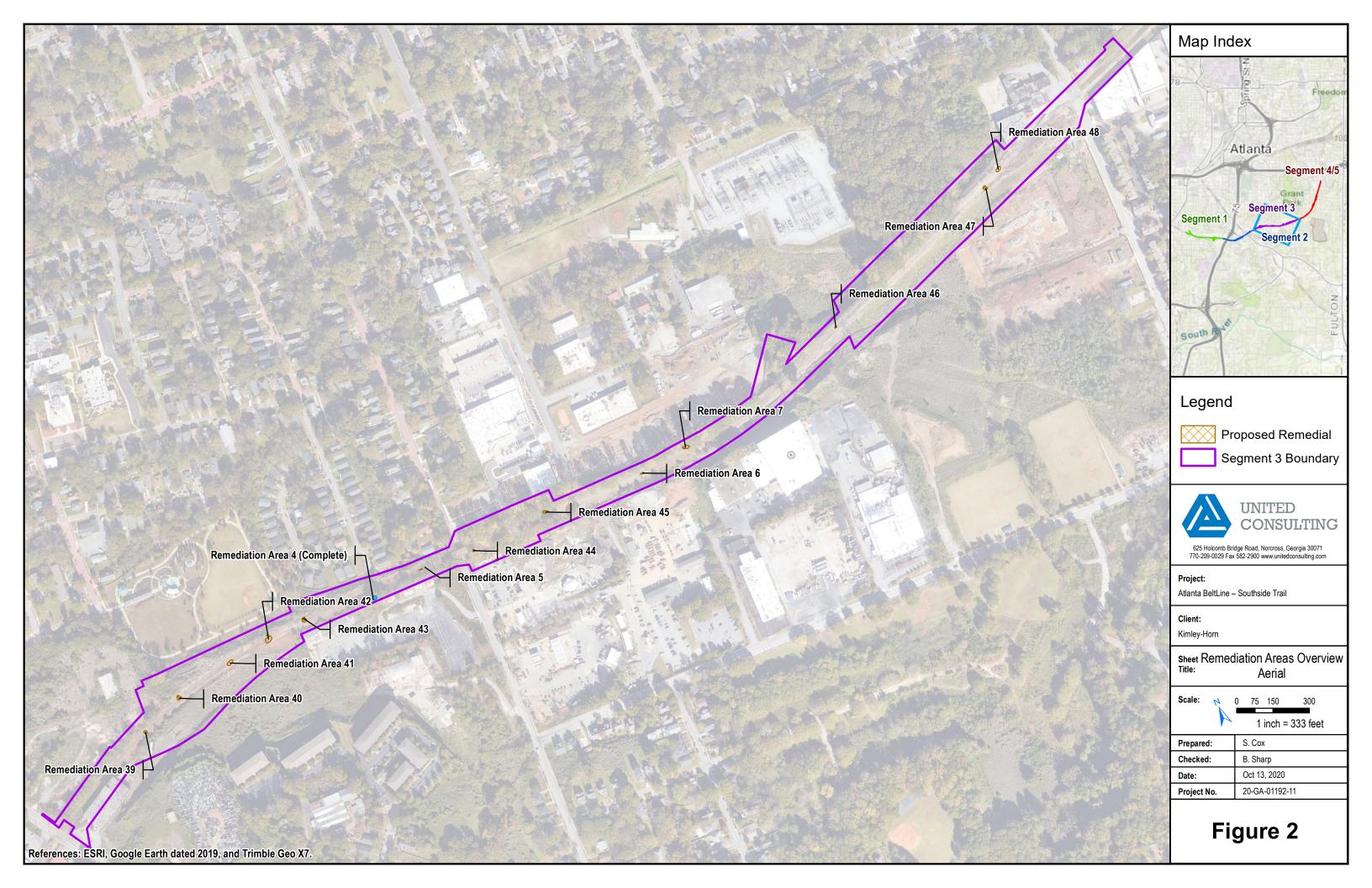
Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Atlanta, Fulton County, Georgia 20-GA-01192-12

## **ATTACHMENT A**

Figure 1 – Segment Location Overview – Street Map Figure 2 – Remediation Areas Overview – Aerial



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Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Atlanta, Fulton County, Georgia 20-GA-01192-12

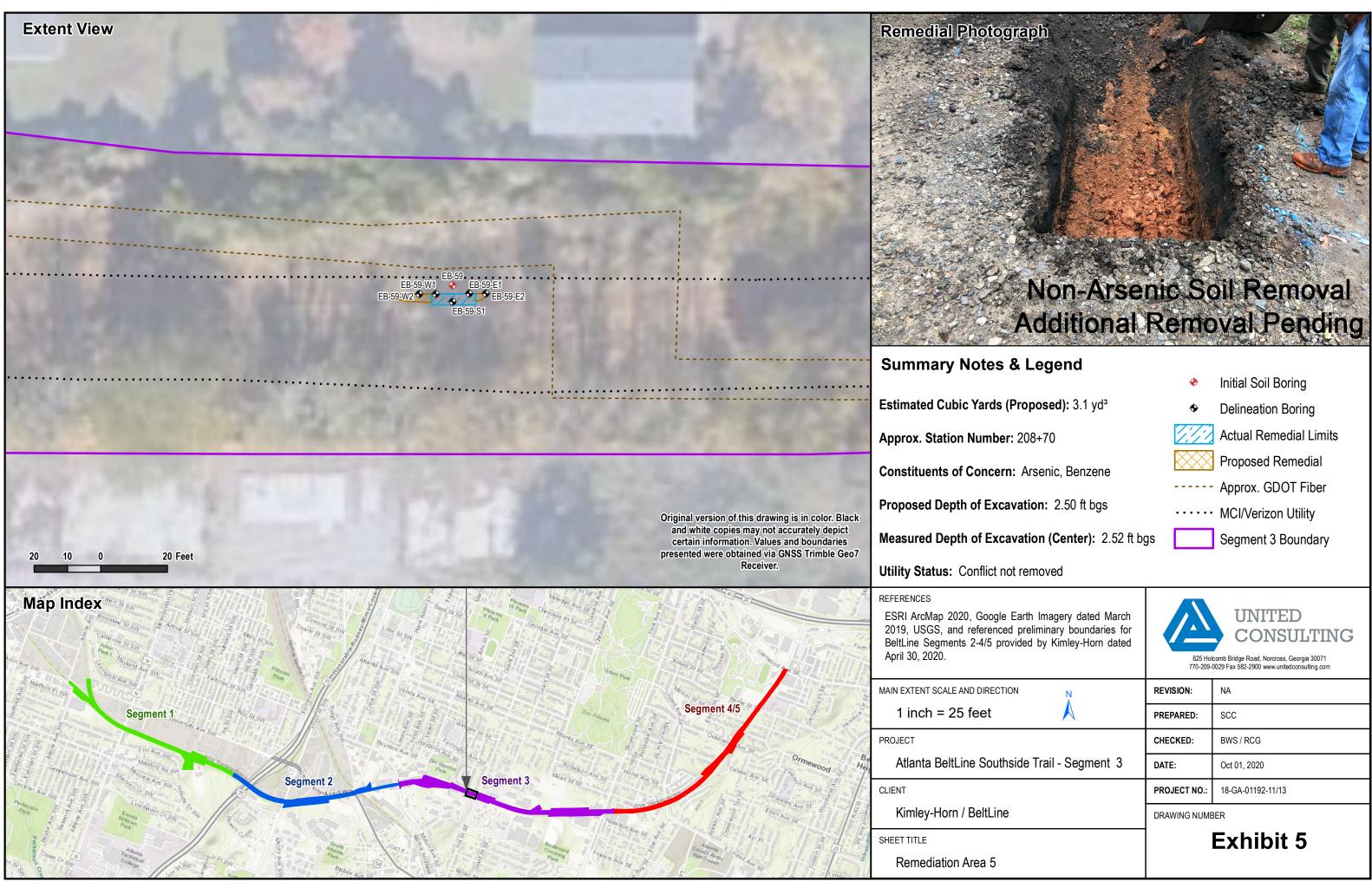
## **ATTACHMENT B**

## Exhibits 4 through 7, and 39 through 48

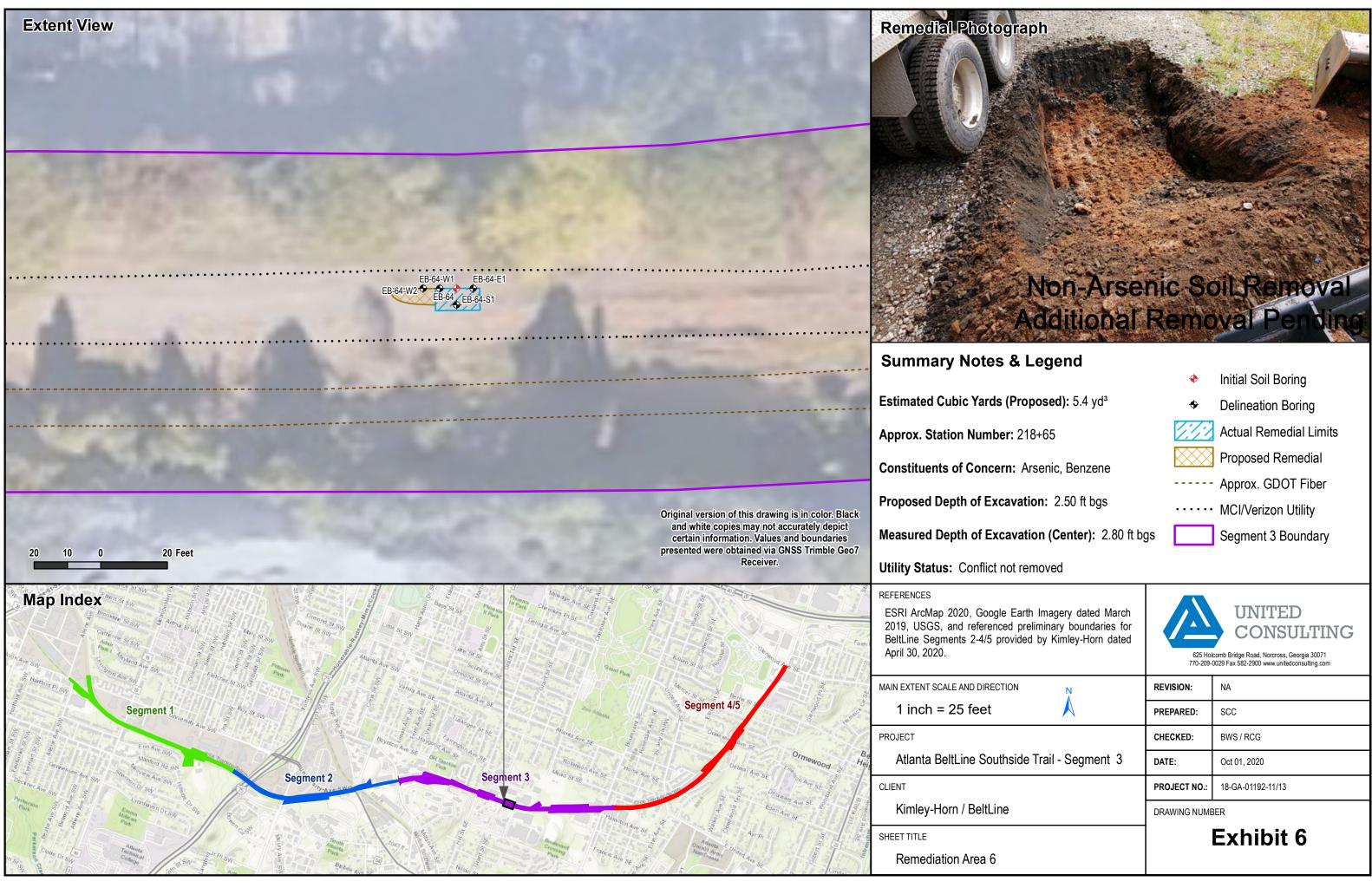


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	DRAWING NUMBER	
	Exhibit 4	

<b></b>	Initial Soil Boring
<b></b>	Temporary Monitoring Well
<b>\$</b>	Delineation Boring
	Actual Remedial Limits
	Approx. GDOT Fiber
••••	MCI/Verizon Utility
	Segment 3 Boundary



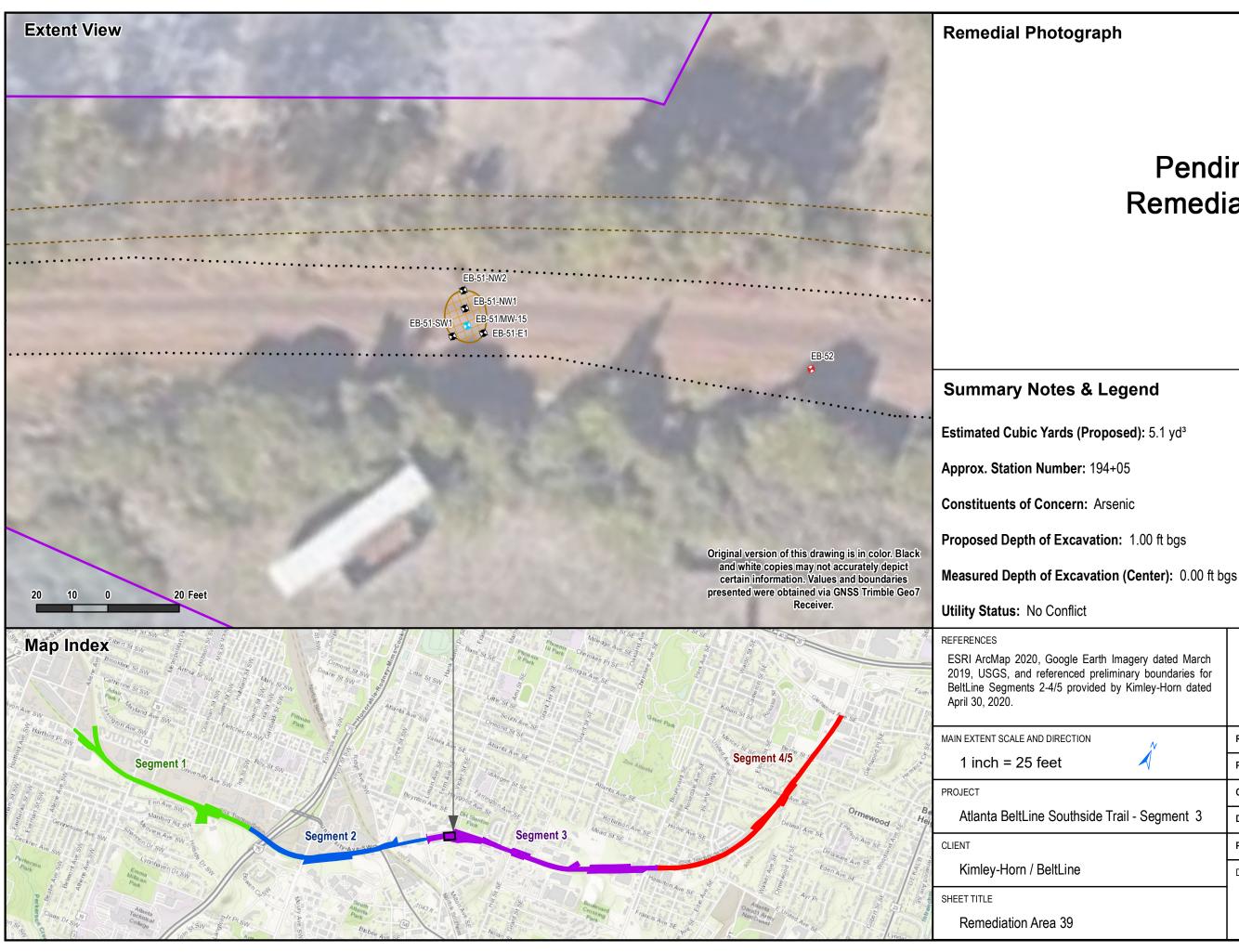
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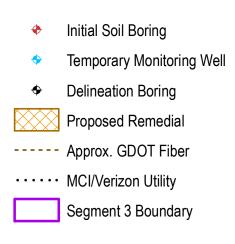


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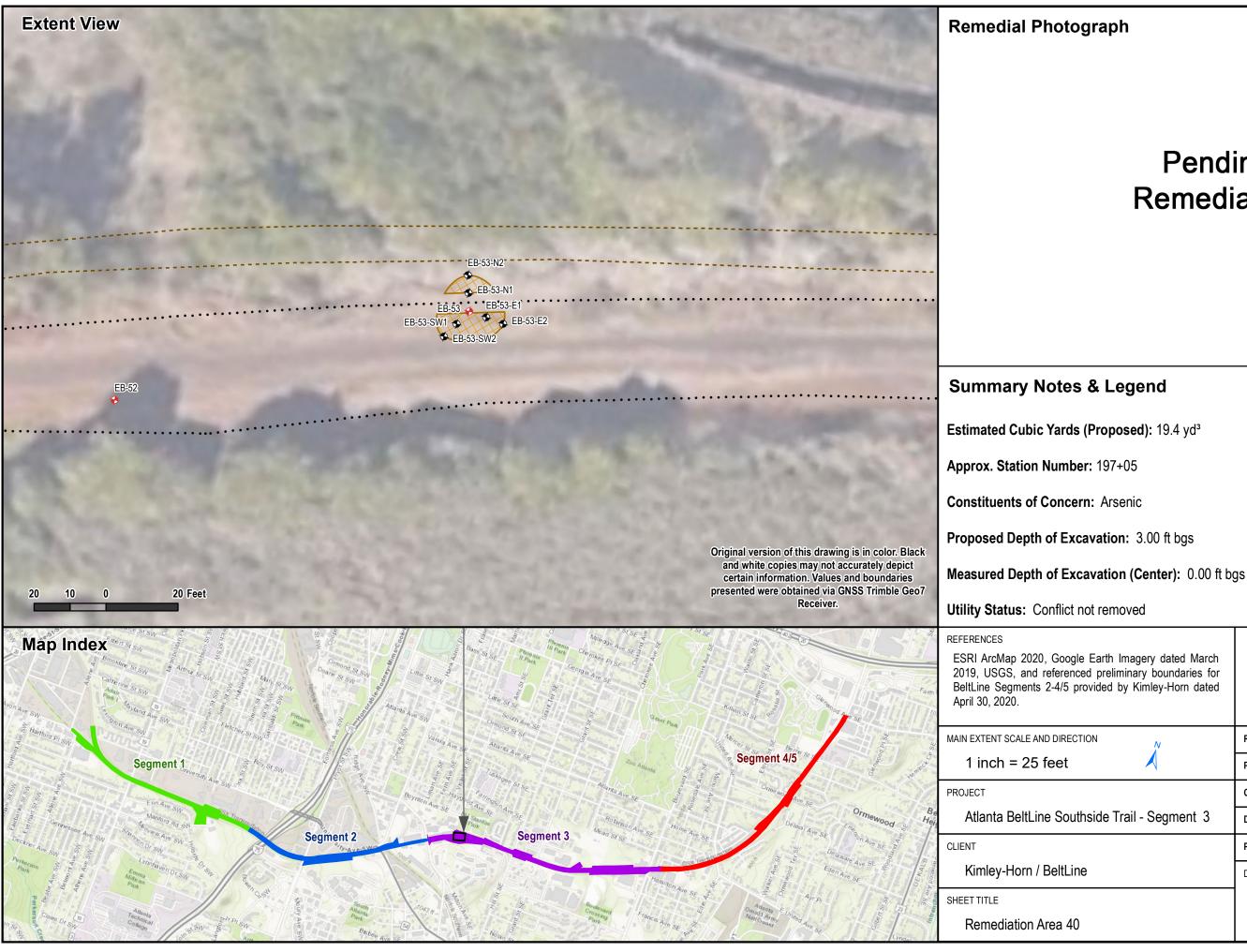


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	Exhibit 7	





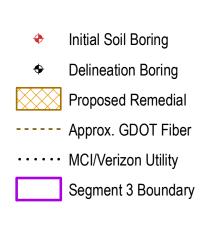
UNITED CONSULTING 625 Holcomb Bridge Road, Norcross, Georgia 30071 770-209-0029 Fax 582-2900 www.unitedconsulting.com **REVISION:** NA PREPARED: SCC CHECKED: BWS / RCG DATE: Oct 01, 2020 PROJECT NO .: 18-GA-01192-11/13 DRAWING NUMBER Exhibit 39

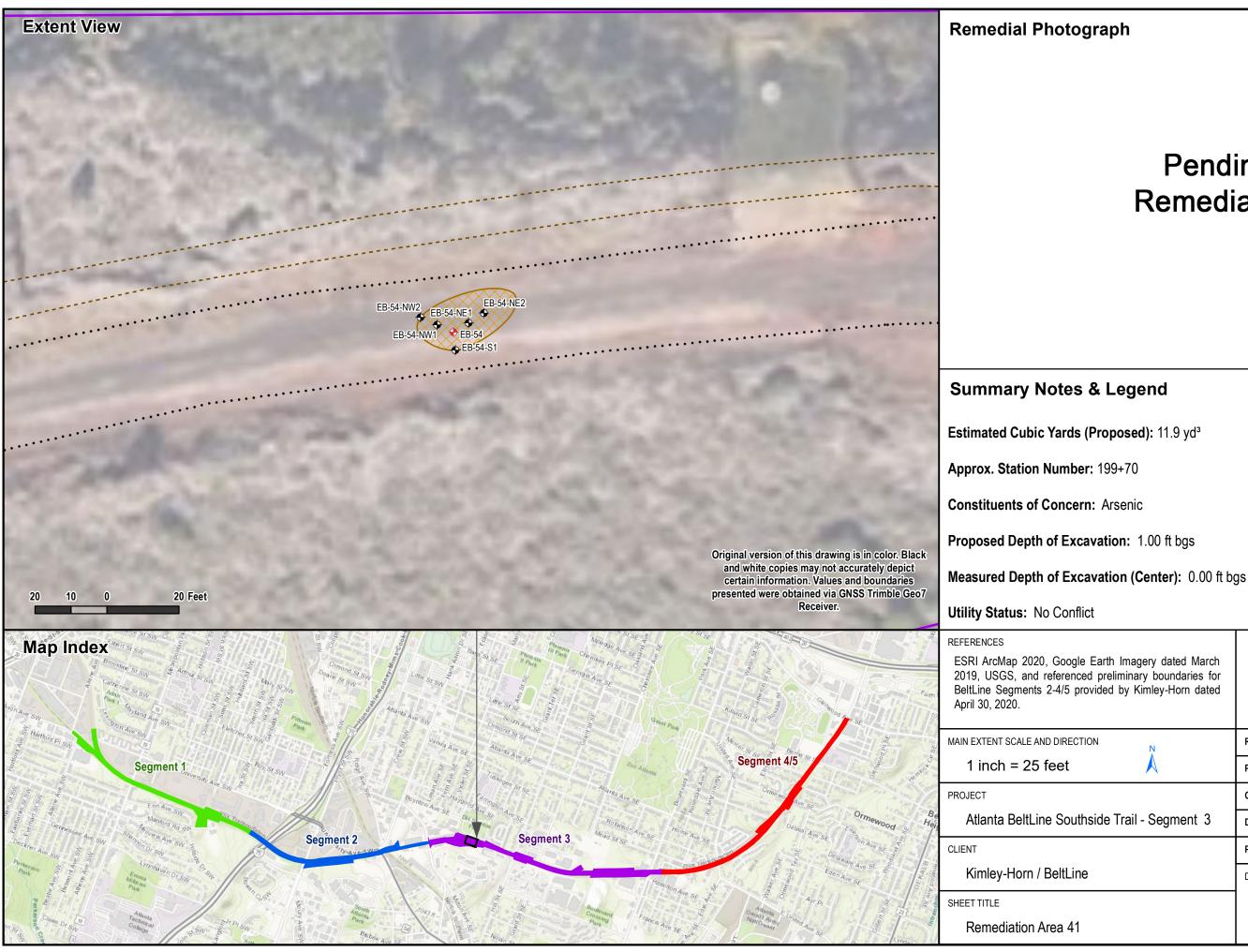


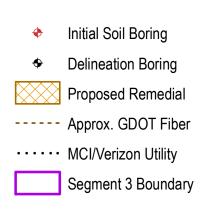




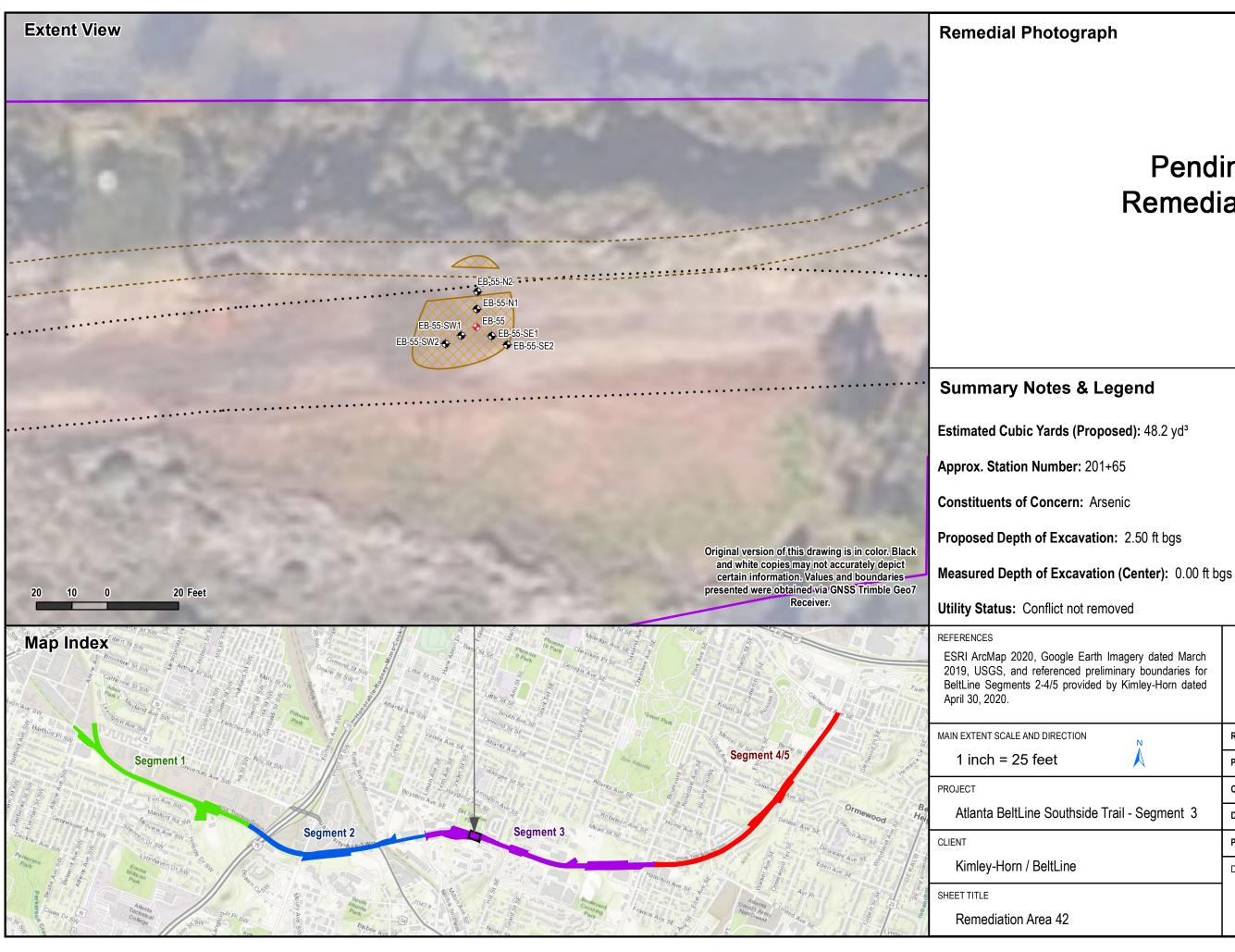
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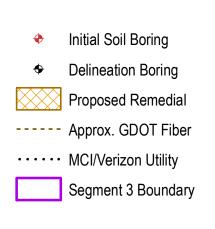
UNITED CONSULTING 625 Holcomb Bridge Road, Norcross, Georgia 30071 770-209-0029 Fax 582-2900 www.unitedconsulting.com **REVISION:** NA PREPARED: SCC CHECKED: BWS / RCG DATE: Oct 01, 2020 PROJECT NO .: 18-GA-01192-11/13 DRAWING NUMBER Exhibit 41

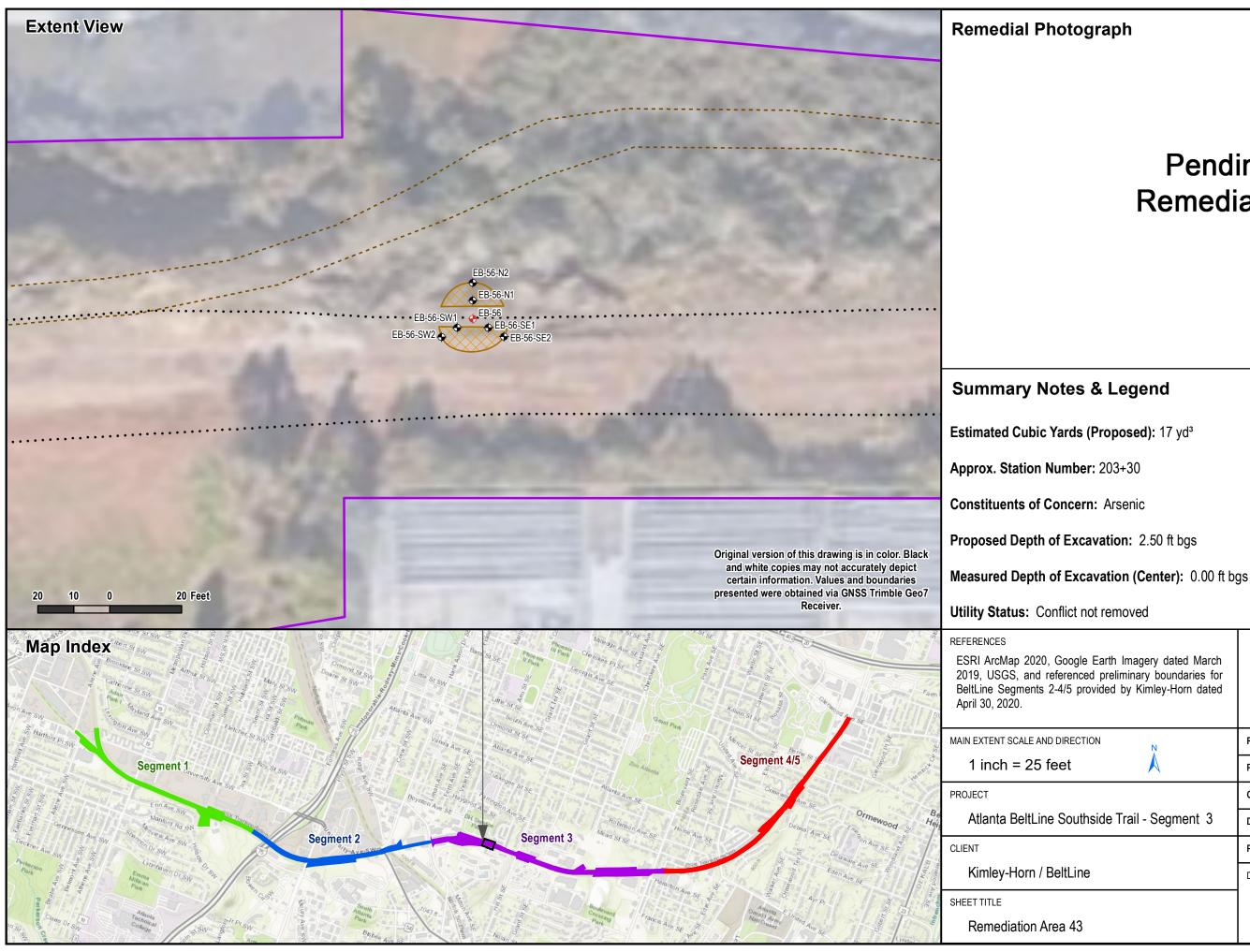






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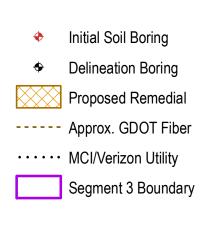


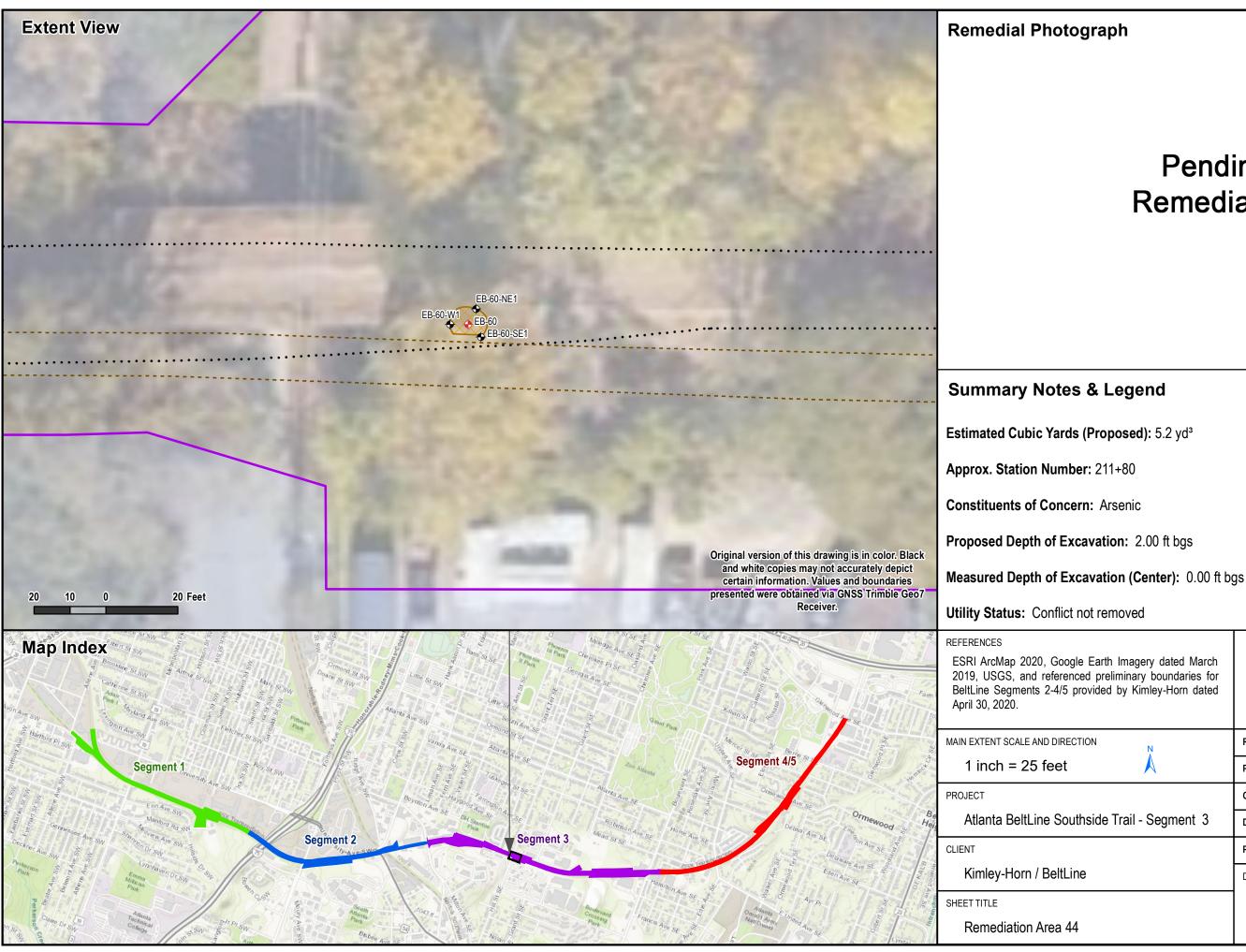






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	DRAWING NUMBER	
	Exhibit 43	

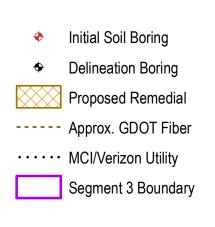


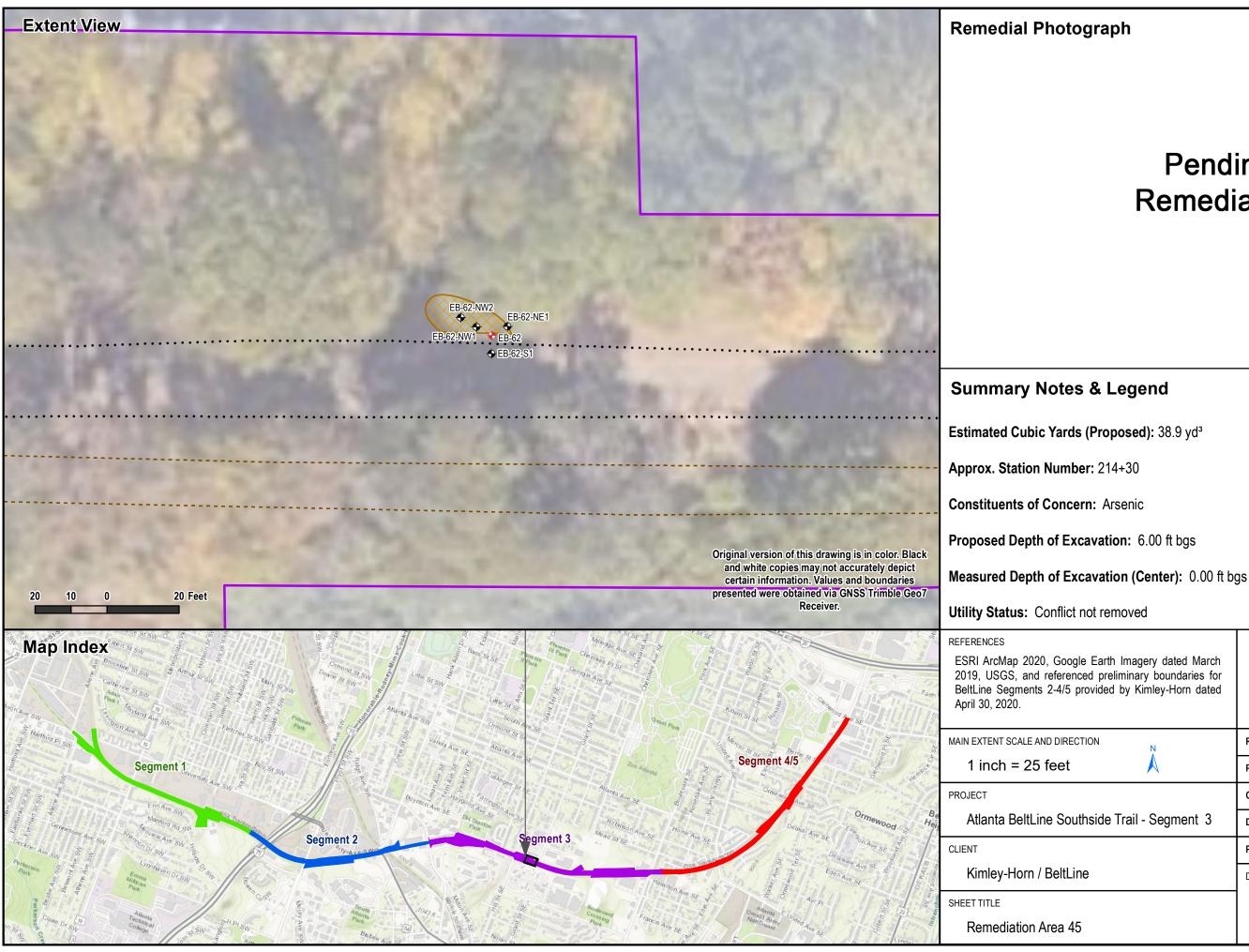






REVISION:	NA
PREPARED:	SCC
CHECKED:	BWS / RCG
DATE:	Oct 01, 2020
PROJECT NO.:	18-GA-01192-11/13
DRAWING NUMBER	
Exhibit 44	
	PREPARED: CHECKED: DATE: PROJECT NO.: DRAWING NUME

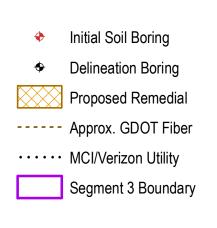


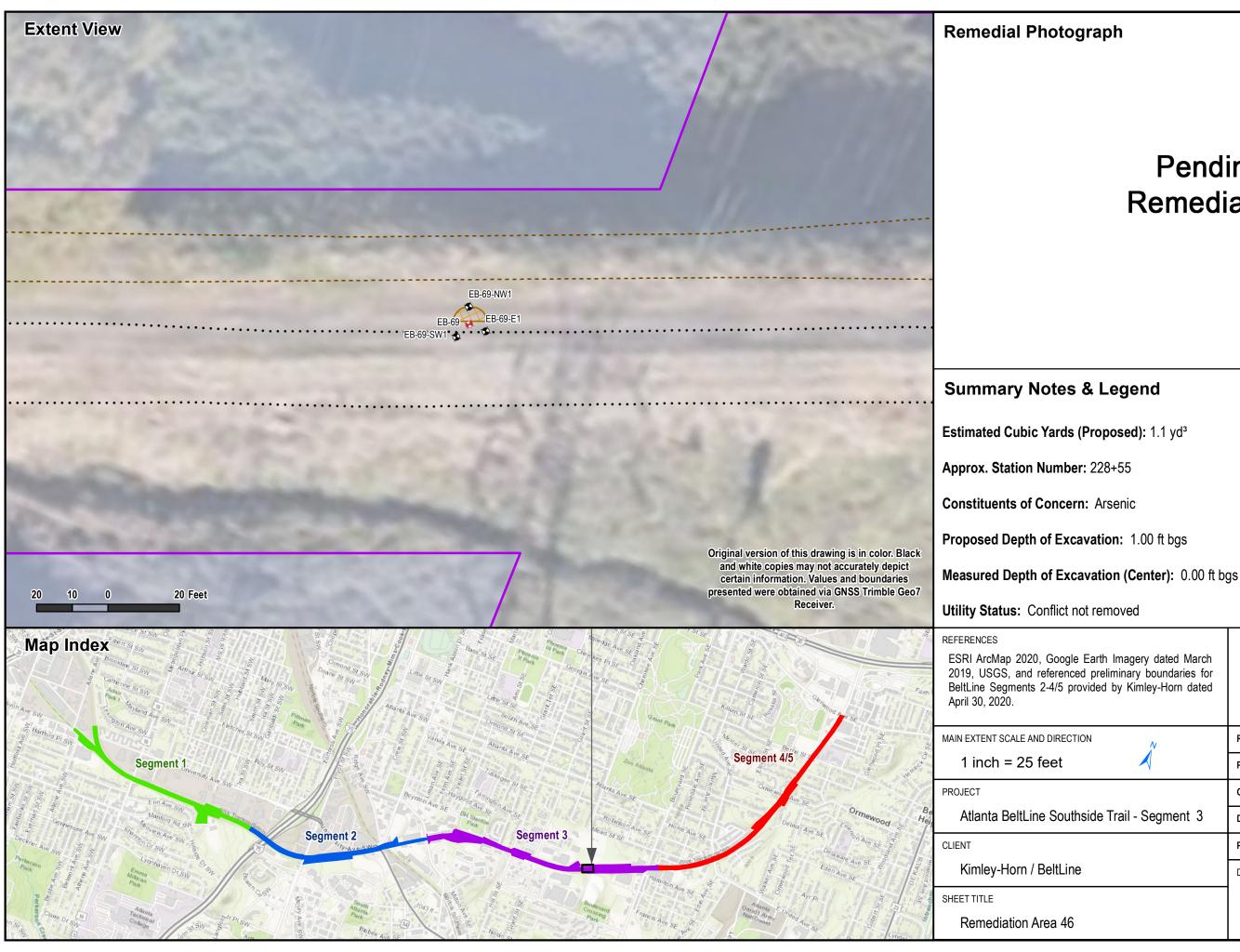






i i	REVISION:	NA
$\mathbf{A}$	PREPARED:	SCC
	CHECKED:	BWS / RCG
de Trail - Segment 3	DATE:	Oct 01, 2020
	PROJECT NO.:	18-GA-01192-11/13
	DRAWING NUMBER	
	Exhibit 45	

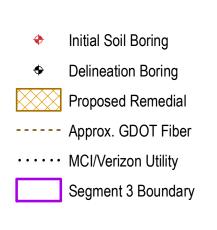


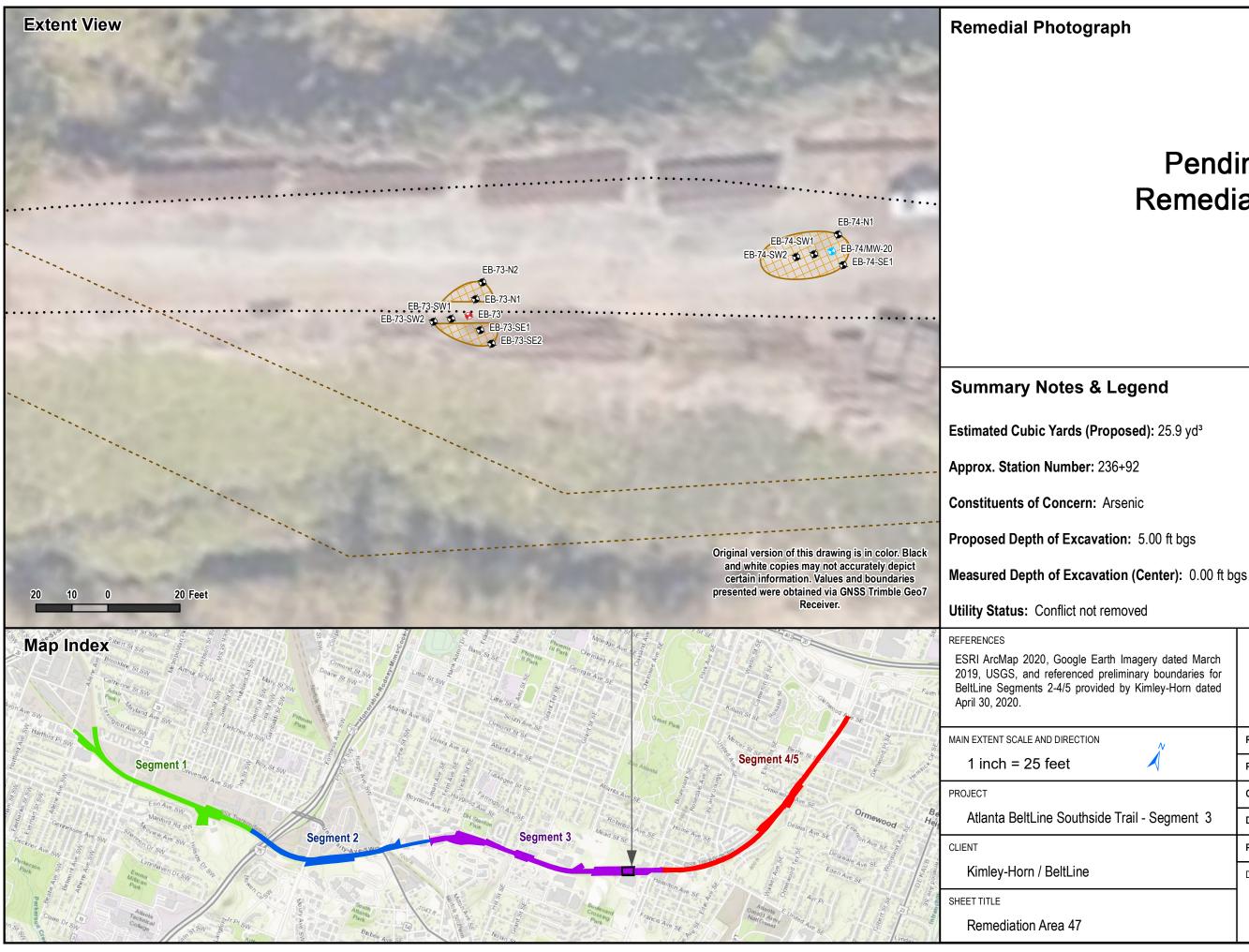






REVISION:	NA
PREPARED:	SCC
CHECKED:	BWS / RCG
DATE:	Oct 01, 2020
PROJECT NO.:	18-GA-01192-11/13
DRAWING NUMBER	
Exhibit 46	
	PREPARED: CHECKED: DATE: PROJECT NO.: DRAWING NUME





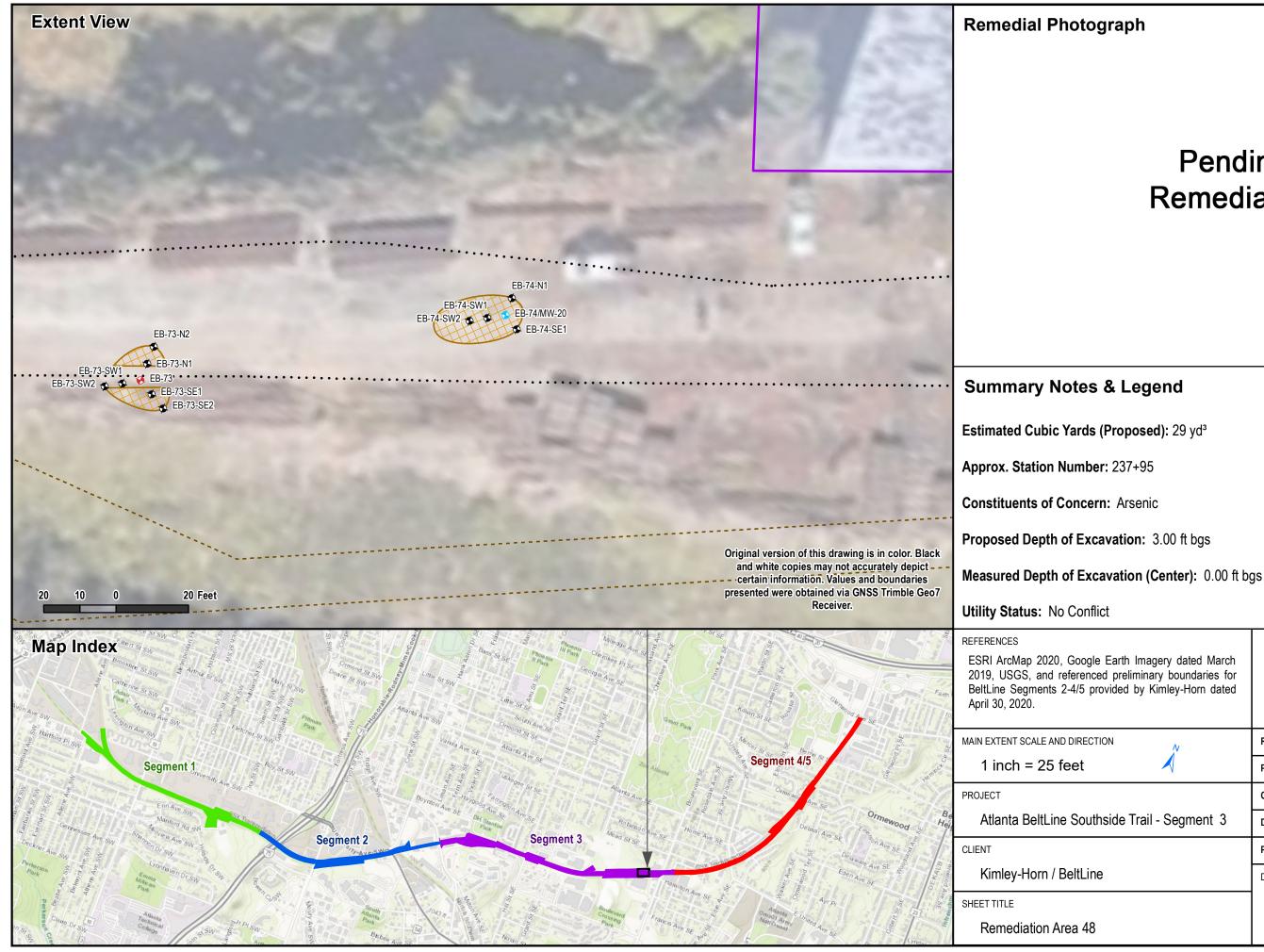


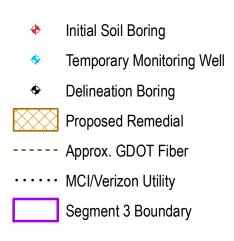


625 Holcomb Bridge Road, Norcross, Georgia 30071 770-209-0029 Fax 582-2900 www.unitedconsulting.com

I V	REVISION:	NA						
	PREPARED:	SCC						
	CHECKED:	BWS / RCG						
de Trail - Segment 3	DATE:	Oct 01, 2020						
	PROJECT NO.:	18-GA-01192-11/13						
	DRAWING NUMBER							
	Exhibit 47							

Initial Soil Boring Temporary Monitoring Well **Delineation Boring** • Proposed Remedial Approx. GDOT Fiber •••••• MCI/Verizon Utility Segment 3 Boundary





UNITED CONSULTING 625 Holcomb Bridge Road, Norcross, Georgia 30071 770-209-0029 Fax 582-2900 www.unitedconsulting.com **REVISION:** NA PREPARED: SCC CHECKED: BWS / RCG DATE: Oct 01, 2020 PROJECT NO .: 18-GA-01192-11/13 DRAWING NUMBER Exhibit 48

Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Atlanta, Fulton County, Georgia 20-GA-01192-12

## **ATTACHMENT C**

Table 1 – Summary of Pre-Excavation Site Characterization Sampling Results Table 2 – Summary of Estimated Soil Remediation Volumes Per Remediation Area Table 3 – Remediation Cut/Fill Analysis and Approach

## TABLE 1: SUMMARY OF PRE-EXCAVATION SITE CHARACTERIZATION SAMPLING RESULTS

NOT	es:	– Initial Sample with	Exceedance		RCRA-Meta	als (mg/Kg)	VOCs (ug/Kg)	SVOCs	(ug/Kg)	
	Pr		Constituent ysis or Remediation) le Not Required due e Id, direction, and iter is a duplicate sample	ration	Arsenic	Lead	Benzene	Benzo(a)pyrene	Benzo(b)fluoranthracene	
		Highlighted indicates value greater the		Туре 3/4	38	400	500	1,640	5,000	
		Highlighted indicates value greater that		Type 5	63		—	—	_	
		Sample ID	Depth	Date Collected		Atlanta	a BeltLine Seg	ment 3		
a 4	Station ID: 206+25	EB-57	0-2	6/4/2018	27.8	315	<260	1900	2300	
Remediation Area	206	EB-57R	2.5-3			_		<440		
u u	Ю.	EB-57-S1	0-1			_		3600		
atic	ion	EB-57-S2	0-1	3/7/2019		_		860		
edia	itati	EB-57-W1	0-1	0,1,2010	_		—	<380		
e ŭ	p. S	EB-57-E1	0-1			_		2000		
Ř	App.	EB-57-E2	0-1		_		—	930		
		Soil Remediation Dates:	5/10/2019		ng Elevation:	961.00'		ed Elevation:	956.85'	
		Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg	ment 3		
2	20	EB-59	0-2	6/7/2018	297	132	730	<520	600	
	208+70	EB-59R	2.5-3		<2.37		<0.80			
Ar	: 20	EB-59-S1	0-2		2.73		<1.1			
ion	۵L	EB-59-W1	0-0.5		304		<1.1			
Remediation Area	App. Station ID:	EB-59-W2	0-2	3/6/2019	98.5					
pər		EB-59-E1	0-2		142		<1.5			
Sen		DUP-4-NONAS	0-2		<2.3		<1.4			
		EB-59-E2	0-2		<2.45					
		Soil Remediation Dates:	5/10/2019 & TBD	Existin			_			
		Con Remediation Bates.	5/10/2019 & TBD		ng Elevation:	958.00'	Propose	ed Elevation:	956.00'	
		Sample ID	Depth	Date Collected	ng Elevation:		Propose BeltLine Seg		956.00'	
a 6	+65	Sample ID EB-64			ng Elevation: 108				<b>956.00'</b> <390	
	218+65	Sample ID EB-64 EB-64R	Depth	Date Collected		Atlanta	a BeltLine Seg	ment 3		
	D: 218+65	Sample ID EB-64	Depth 0-2	Date Collected	108	Atlanta	a BeltLine Seg 610	ment 3		
	on ID: 218+65	Sample ID EB-64 EB-64R	Depth 0-2 2.5-3	Date Collected 5/31/2018	<b>108</b> <2.45	Atlanta	BeltLine Seg 610 <0.86	ment 3		
	tation ID: 218+65	Sample ID EB-64 EB-64R DUP-3-NONAS	Depth 0-2 2.5-3 2.5-3	Date Collected	108 <2.45 <2.15	Atlanta	a BeltLine Seg 610 <0.86 —	ment 3		
	Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1	Depth 0-2 2.5-3 2.5-3 0-1	Date Collected 5/31/2018	108 <2.45 <2.15 34.9	Atlanta 73.5 — — —	BeltLine Seg 610 <0.86 — <1.1	ment 3 <390 — — —	<390 — — —	
Remediation Area 6	Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1	Depth 0-2 2.5-3 2.5-3 0-1 0-1	Date Collected 5/31/2018	108           <2.45	Atlanta 73.5 — — —	BeltLine Seg 610 <0.86 — <1.1 <1.1	ment 3 <390	<390   	
	App. Station ID: 218+65	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-W1           EB-64-W2	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1	Date Collected 5/31/2018 3/6/2019	108           <2.45	Atlanta 73.5 — — —	BeltLine Seg 610 <0.86  <1.1 <1.1  <0.72	ment 3 <390	<390   	
	Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 0-1	Date Collected 5/31/2018 3/6/2019	108           <2.45	Atlanta 73.5 — — — — — — 948.00'	BeltLine Seg 610 <0.86  <1.1 <1.1  <0.72	ment 3 <390	<390 — — — — — —	
Remediation Area	App. Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1 EB-64-W2 EB-64-S1 Soil Remediation Dates:	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD	Date Collected 5/31/2018 3/6/2019 Existir	108           <2.45	Atlanta 73.5 — — — — — — 948.00'	BeltLine Seg 610 <0.86  <1.1 <1.1 <1.1  <0.72 Propose	ment 3 <390	<390 — — — — — —	
Remediation Area	App. Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1 EB-64-W2 EB-64-S1 Soil Remediation Dates: Sample ID EB-65 EB-65 EB-65R	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth	Date Collected 5/31/2018 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation:	Atlanta 73.5 — — — — — — 948.00' Atlanta	BeltLine Seg           610           <0.86	ment 3 <390	<390 — — — — — — — 946.00'	
Remediation Area	220+55 App. Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1 EB-64-W2 EB-64-S1 Soil Remediation Dates: Sample ID EB-65 EB-65R EB-65R EB-65-N1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246	Atlanta 73.5 — — — — — 948.00' Atlanta 131	BeltLine Seg           610           <0.86	ment 3 <390 — — — — — — — — — — — — —	<390 — — — — — — 946.00' 8800	
Remediation Area	220+55 App. Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1 EB-64-W2 EB-64-S1 Soil Remediation Dates: Sample ID EB-65 EB-65R EB-65R EB-65-N1 DUP-2-NONAS	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7	Atlanta 73.5 — — — — — 948.00' Atlanta 131	BeltLine Seg           610           <0.86	ment 3	<390 — — — 946.00' 8800 <380 460 470	
Remediation Area	220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65-N1           DUP-2-NONAS           EB-65-SE1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246	Atlanta 73.5 — — — — — 948.00' Atlanta 131	BeltLine Seg           610           <0.86	ment 3	<390 — — — — 946.00' 8800 <380 460	
Remediation Area	Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7	Atlanta 73.5 — — — — — 948.00' Atlanta 131	BeltLine Seg           610           <0.86	ment 3	<390 — — — 946.00' 8800 <380 460 470	
Remediation Area	Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65R           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198	Atlanta 73.5 — — — — — 948.00' Atlanta 131	BeltLine Seg           610           <0.86	ment 3	<390 — — — 946.00' 8800 <380 460 470	
	220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65R           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SW1           EB-65-SW2	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3	Atlanta 73.5 — — — — — 948.00' Atlanta 131 — — — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3	<390 — — — 946.00' 8800 <380 460 470 730 — 610 —	
Remediation Area	Station ID: 220+55 App. Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1 EB-64-W2 EB-64-S1 Soil Remediation Dates: Sample ID EB-65 EB-65R EB-65R EB-65-SE1 EB-65-SE1 EB-65-SE2 EB-65-SW1 EB-65-SW2 Soil Remediation Dates:	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 390	<390 — — — 946.00' 8800 <380 460 470 730 —	
Remediation Area 7 Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID EB-64 EB-64R DUP-3-NONAS EB-64-E1 EB-64-W1 EB-64-W2 EB-64-S1 Soil Remediation Dates: Sample ID EB-65 EB-65R EB-65R EB-65-SE1 EB-65-SE1 EB-65-SE2 EB-65-SW1 EB-65-SW2 Soil Remediation Dates: Sample ID	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation:	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 390	<390 — — — 946.00' 8800 <380 460 470 730 — 610 — 945.00'	
Remediation Area 7 Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65R           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-51	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation:	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 <ul> <li>&lt;390</li> <li></li> <li>.</li></ul>	<390 	
Remediation Area 7 Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-65-SH           EB-65-SE2           EB-65-SH           Soil Remediation Dates: <tr t=""></tr>	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation: 115 360	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 390	<390 — — — 946.00' 8800 <380 460 470 730 — 610 — 945.00'	
Remediation Area 7 Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-51           EB-51           EB-51A           EB-51-NW1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation: 115 360 81.1	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 <ul> <li>&lt;390</li> <li></li> <li>.</li></ul>	<390 	
Remediation Area 7 Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65R           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-51           EB-51A           EB-51A           EB-51-NW1           EB-51-NW2	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation: 115 360 81.1 22.6	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — 4tlanta — — 946.00' Atlanta 158 —	BeltLine Seg           610           <0.86	ment 3 <ul> <li>&lt;390</li> <li></li> <li>.</li></ul>	<390 — — — 946.00' 8800 <380 460 470 730 — 610 — 945.00' 945.00'	
Remediation Area 7 Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65R           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-51-SE1           EB-51           EB-51           EB-51A           EB-51-NW1           EB-51-NW2           EB-51-E1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 3/6/2019 Existin Date Collected	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation: 115 360 81.1 22.6 17.6	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — 4tlanta — — 946.00' Atlanta 158 —	BeltLine Seg           610           <0.86	ment 3 <ul> <li>&lt;390</li> <li></li> <li>.</li></ul>	<390 — — — 946.00' 8800 <380 460 470 730 — 610 — 945.00' 945.00'	
Remediation Area 7 Remediation Area	Station ID: 194+05 App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-51           EB-51           EB-51           EB-51A           EB-51-NW1           EB-51-NW2           EB-51-E1           EB-51-SW1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation: 115 360 81.1 22.6 17.6 2.15	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — 4 — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 390	<390 — — — 946.00' 8800 <380 460 470 730 — 610 — 945.00' 945.00'	
Remediation Area	App. Station ID: 220+55 App. Station ID:	Sample ID           EB-64           EB-64R           DUP-3-NONAS           EB-64-E1           EB-64-E1           EB-64-W1           EB-64-W2           EB-64-S1           Soil Remediation Dates:           Sample ID           EB-65           EB-65R           EB-65-N1           DUP-2-NONAS           EB-65-SE1           EB-65-SE2           EB-65-SW1           EB-65-SW2           Soil Remediation Dates:           Sample ID           EB-51-SE1           EB-51           EB-51           EB-51A           EB-51-NW1           EB-51-NW2           EB-51-E1	Depth 0-2 2.5-3 2.5-3 0-1 0-1 0-1 0-1 5/10/2019 & TBD Depth 0-2 2.5-3 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 3/6/2019 Existin Date Collected 5/31/2018 7/13/2020	108 <2.45 <2.15 34.9 199 69.2 14 ng Elevation: 246 <2.13 21.9 25.7 246 41.6 198 10.3 ng Elevation: 115 360 81.1 22.6 17.6	Atlanta 73.5 — — — — 948.00' Atlanta 131 — — 4 — — — — — — — — — — — — — — — —	BeltLine Seg           610           <0.86	ment 3 390	<390 	

### TABLE 1: SUMMARY OF PRE-EXCAVATION SITE CHARACTERIZATION SAMPLING RESULTS

	s:				RCRA-Meta	als (ma/Ka)	VOCs	SVOCs	(nu/Ku)
		Initial Sample with	Exceedance			iis (iliy/iky)	(ug/Kg)	31003	(ug/Kg)
		CSNR — Confirmation Samp	ysis or Remediation) le Not Required due e Id, direction, and ite	s or Remediation) Not Required due to utility conflict I, direction, and iteration		Lead	Benzene	Benzo(a)pyrene	Benzo(b)fluoranthracene
	Pr	roposed Elev. — Red - Cut / Yellow	Balance / Green - Fi	•					
		Highlighted indicates value greater that	n DDS	Type 3/4	38	400	500	1,640	5,000
		Thighlighted indicates value greater that		Туре 5	63				—
		Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg	ment 3	
0	2	EB-53	0-2	6/7/2018	67.8	93.1	<380	<410	570
Remediation Area 40	Station ID: 197+05	EB-53A	3-4		57		_		
Are	: 19	EB-53-N1	0-2	7/13/2020	51		_		
u l	<u> </u>	EB-53-N2	0-2	Ť	31.7				_
atic	ion	EB-53-SW1	0-2		246				_
edia	Stat	EB-53-SW2	0-2	=	10.1				_
Ш.	App. 3	EB-53-SE1	0-2	7/10/2020	160	_			
Å	Ap	EB-53-SE2	0-2	1	12.4	_			
		Soil Remediation Dates:	TBD	Existir	ng Elevation:	971.25'	Propose	ed Elevation:	969.50'
		Sample ID	Depth	Date Collected	.g		BeltLine Seg		000.00
		EB-54	0-2	6/4/2018	80.4	114	<310	510	1300
Remediation Area 41	+70	EB-54A	3-4	0, 1/2010	<2.65				
rea	199	EB-54-NW1	0-2	ł	222	_			
٩ı	ü	EB-54-NW2	0-2	ł	19.7			_	
tion	App. Station ID: 199+70	EB-54-NE1	0-2	7/10/2020	55.1				
dia		EB-54-NE2	0-2	7/10/2020	88.1				
a u		EB-54-S1	0-2	ł	<2.87				
Rei		DUP-23	0-2	ł	<2.9				
		Soil Remediation Dates:		E de die					
						066 001	Dropoor	ad Elovation	OCC EC
			TBD		ng Elevation:	966.00'		ed Elevation:	966.56
		Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg	ment 3	
42	+65	Sample ID EB-55	Depth 0-2		197				966.56 760
rea 42	201+65	Sample ID EB-55 EB-55A	Depth 0-2 3-4	Date Collected	<mark>197</mark> 18	Atlanta	BeltLine Seg	ment 3	
1 Area 42	D: 201+65	Sample ID           EB-55           EB-55A           EB-55-N1	Depth 0-2 3-4 0-2	Date Collected	197 18 96.8	Atlanta	BeltLine Seg	ment 3	
tion Area 42	on ID: 201+65	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2	Depth 0-2 3-4 0-2 0-2	Date Collected 6/4/2018	197 18 96.8 282	Atlanta	BeltLine Seg	ment 3	
diation Area 42	tation ID: 201+65	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1	Depth 0-2 3-4 0-2 0-2 0-2 0-2	Date Collected	197 18 96.8 282 142	Atlanta	BeltLine Seg	ment 3	
mediation Area 42	Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2	Date Collected 6/4/2018	197 18 96.8 282 142 20.5	Atlanta 150 — — — — —	BeltLine Seg	ment 3	
Remediation Area 42	Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 6/4/2018	197 18 96.8 282 142 20.5 74.3	Atlanta	BeltLine Seg	ment 3	
Remediation Area 42	tation ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 6/4/2018 7/10/2020	197 18 96.8 282 142 20.5 74.3 85.5	Atlanta 150 — — — — — — — —	BeltLine Seg <310 — — — — — — — — — —	ment 3 <400	760 
Remediation Area 42	Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 0-2 TBD	Date Collected 6/4/2018 7/10/2020 Existin	197 18 96.8 282 142 20.5 74.3	Atlanta 150 — — — — — — — 964.00'	BeltLine Seg <310 — — — — — — — — — — — — — — — — — — —	ment 3 <400	
Remediation Area 42	Station ID:	Sample ID EB-55 EB-55A EB-55-N1 EB-55-N2 EB-55-SE1 EB-55-SE2 EB-55-SW1 EB-55-SW2 Soil Remediation Dates: Sample ID	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth	Date Collected 6/4/2018 7/10/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation:	Atlanta 150 — — — — — — — — — — — — 964.00' — 4tlanta	BeltLine Seg <310 — — — — — — — — — — — — —	ment 3 <400	760 
	App. Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth 0-2	Date Collected 6/4/2018 7/10/2020 Existin	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7	Atlanta 150 — — — — — — 964.00' Atlanta 59.7	BeltLine Seg <310 — — — — — — — — — — — — —	ment 3 <400	760 — — — — — — 962.82' 480
	App. Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56A	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth 0-2 3-4	Date Collected 6/4/2018 7/10/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6	Atlanta 150 — — — — — — — — — 964.00' Atlanta 59.7 —	BeltLine Seg <310 — — — — — — — — — — — — —	ment 3 <400	760 
	203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth 0-2 3-4 0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9	Atlanta 150 — — — — — 964.00' Atlanta 59.7 —	BeltLine Seg <310 — — — — — — — — — — — — —	ment 3 <400	760 — — — — — — 962.82' 480
	203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56A           EB-56A           EB-56A           EB-56-N1           DUP-22	Depth           0-2           3-4           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           3-4           0-2           3-4           0-2           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5	Atlanta 150 — — — — — 964.00' Atlanta 59.7 — —	BeltLine Seg           <310	ment 3 <400	760    962.82' 480    
	203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5 9.05	Atlanta 150 — — — — — — 964.00' Atlanta 59.7 — — — —	BeltLine Seg           <310	ment 3 <400	760 
	203+30 App. Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56A           EB-56A           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73	Atlanta 150 — — — — — 964.00' Atlanta 59.7 — —	BeltLine Seg           <310	ment 3 <400	760    962.82' 480    
	Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56A           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW1           EB-56-SW2	Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 TBD Depth 0-2 3-4 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2	Atlanta 150 — — — — — — 964.00' Atlanta 59.7 — — — —	BeltLine Seg <310 — — — — — — — — — — — — —	ment 3 <400	760 
Remediation Area 43 Remediation Area 42	203+30 App. Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56A           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW2           EB-56-SW2           EB-56-SW2           EB-56-SW2           EB-56-SE1	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95	Atlanta 150 — — — — — — 964.00' Atlanta 59.7 — — — —	BeltLine Seg           <310	ment 3 <400	760 
	Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55A           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56A           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW1           EB-56-SW1           EB-56-SW1           EB-56-SW1           EB-56-SW1           EB-56-SW2           EB-56-SE1           EB-56-SE1           EB-56-SE2	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96	Atlanta 150 — — — — — 964.00' Atlanta 59.7 — — — — — — — — — — — — —	BeltLine Seg <310 — — — — — — — — — — — BeltLine Seg <320 — — — — — — — — — — — — —	ment 3 <400	760 
	Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW2           EB-56-SW2           EB-56-SW2           EB-56-SW2           EB-56-SW2           EB-56-SW2           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95	Atlanta 150 — — — — 964.00' Atlanta 59.7 — — — — — — — 964.00' — 966.00' — 966.00' — 966.00' — 966.00' — 966.00'	BeltLine Seg           <310	ment 3 <400	760 
Remediation Area 43	App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW2           Sample ID           Sample ID           Sample ID           EB-56-SW1           EB-56-SW2           EB-56-SW1           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Soil Remediation Dates:           Soil Remediation Dates:           Sample ID	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 ng Elevation:	Atlanta 150 — — — — 964.00' 964.00' Atlanta 59.7 — — — — — — — — — — — — —	BeltLine Seg           <310	ment 3 <400	760 
Remediation Area 43	App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56A           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW2           EB-56-SW1           EB-56-SW2           EB-56-SW2           EB-56-SW1           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Soil Remediation Dates:           Soil Remediation Dates:           Sample ID           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-60	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 ng Elevation: 145	Atlanta 150 — — — — 964.00' Atlanta 59.7 — — — — — — — 964.00' — 966.00' — 966.00' — 966.00' — 966.00' — 966.00'	BeltLine Seg           <310	ment 3 <400	760 
Remediation Area 43	211+80 App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SE1           EB-56-SE1           EB-56-SE1           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-60           EB-60A	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 ng Elevation: 145 <2.62	Atlanta 150 — — — — 964.00' Atlanta 59.7 — 964.00' Atlanta 59.7 — 962.50' Atlanta 112 —	BeltLine Seg           <310	ment 3 <400	760 
Remediation Area 43	211+80 App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW2           Sample ID           EB-56-SW1           EB-56-SW2           EB-56-SE1           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Soil Remediation Dates:           Sample ID           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-60           EB-60A           EB-60A           EB-60-NE1	Depth           0-2           3-4           0-2           0-3           0-2           0-3           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020 Existin Date Collected 6/4/2018	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 ng Elevation: 145 <2.62 12.4	Atlanta 150 — — — — 964.00' Atlanta 59.7 — — — — — — — — — — — — —	BeltLine Seg           <310	ment 3 <400	760 
Remediation Area 43	211+80 App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-N2           EB-56-SW1           EB-56-SW2           EB-56-SW1           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Semple ID           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-60           EB-60A           EB-60A           EB-60A           EB-60-NE1           EB-60-SE1	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020 Existin Date Collected	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 rg Elevation: 145 <2.62 12.4 15.6	Atlanta 150 — — — — 964.00' Atlanta 59.7 — 964.00' Atlanta 59.7 — 962.50' Atlanta 112 — —	BeltLine Seg           <310	ment 3 <400	760 
Remediation Area 43	Station ID: 211+80 App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-SW1           EB-56-SW1           EB-56-SW1           EB-56-SW2           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Soil Remediation Dates:           Soil Remediation Dates:           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-60           EB-60           EB-60           EB-60           EB-60-SE1           EB-60-SE1           EB-60-W1	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020 Existin Date Collected 6/4/2018	197 18 96.8 282 142 20.5 74.3 85.5 ng Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 ng Elevation: 145 <2.62 12.4 15.6 12.7	Atlanta 150 — — — — 964.00' Atlanta 59.7 — — 964.00' Atlanta 59.7 — — 964.00' Atlanta 59.7 — — — — — — — — — — — — —	BeltLine Seg           <310	ment 3 <400	760 
	211+80 App. Station ID: 203+30 App. Station ID:	Sample ID           EB-55           EB-55-N1           EB-55-N2           EB-55-SE1           EB-55-SE2           EB-55-SW1           EB-55-SW2           Soil Remediation Dates:           Sample ID           EB-56           EB-56-N1           DUP-22           EB-56-N2           EB-56-N2           EB-56-SW1           EB-56-SW2           EB-56-SW1           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Semple ID           EB-56-SE1           EB-56-SE2           Soil Remediation Dates:           Sample ID           EB-60           EB-60A           EB-60A           EB-60A           EB-60-NE1           EB-60-SE1	Depth           0-2           3-4           0-2	Date Collected 6/4/2018 7/10/2020 Existin Date Collected 6/4/2018 7/13/2020 Existin Date Collected 6/4/2018 7/10/2020	197 18 96.8 282 142 20.5 74.3 85.5 rg Elevation: 68.7 69.6 50.9 58.5 9.05 73 14.2 95 8.96 rg Elevation: 145 <2.62 12.4 15.6	Atlanta 150 — — — — 964.00' Atlanta 59.7 — 964.00' Atlanta 59.7 — 962.50' Atlanta 112 — —	BeltLine Seg           <310	ment 3 <400	760 

### TABLE 1: SUMMARY OF PRE-EXCAVATION SITE CHARACTERIZATION SAMPLING RESULTS

Note	es:	— Initial Sample with F	Exceedance		RCRA-Meta	ils (mg/Kg)	VOCs (ug/Kg)	SVOCs	(ug/Kg)		
	Pr	<b>CSNR</b> — Confirmation Samp	ysis or Remediation) le Not Required due e ld, direction, and ite is a duplicate sample	ration	Arsenic	Lead	Benzene	Benzo(a)pyrene	Benzo(b)fluoranthracene		
		Linklinkted indicates value avester the		Type 3/4	38	400	500	1,640	5,000		
		Highlighted indicates value greater that	III KKS	Type 5	63	_			_		
		Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg	ment 3			
45	214+30	EB-62	0-2	5/30/2018	41.6	31.8	<5.7	<440	<440		
rea	214-	DUP-1	0-2	5/31/2018	57.2	41.1	<5.3	<390	490		
Remediation Area 45	D:	EB-62A	2-3		121	_			_		
tior	luc	EB-62-NW1	0-2		107				_		
diat	Station ID:	EB-62-NW2	0-2	7/10/2020	274				_		
me	). St	EB-62-NE1	0-2	I	3.21				_		
Rei	App.	EB-62-S1	0-2		23.5		_				
		Soil Remediation Dates:	TBD	Existir	ng Elevation:	952.00'	Propose	ed Elevation:	947.43'		
9	5	Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg				
Remediation Area 46	228+55	EB-69	0-2	5/30/2018	57.2	33.2	<6.7	<410	580		
Are	22	EB-69A	2-3		2.63						
u l	Ë	EB-69-NW1	0-2	Ī	11.8						
atic	Station ID:	EB-69-SW1	0-2	7/10/2020	< 2.5						
edi		EB-69-E1	0-2	I	< 2.38				_		
e ŭ	App.	DUP-19	0-2		4.04						
Ř	A	Soil Remediation Dates:	TBD	Existir	ng Elevation:	939.59'	Propose	939.59'			
		Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg	BeltLine Segment 3			
	5	EB-73	0-2	5/30/2018	515	86.5	<5.8	1100	3400		
a 4	6+9	EB-73A	3-4		556						
Are	: 23	EB-73-N1	0-2		188						
, uc	<u> </u>	EB-73-N2	0-2		35.4						
Remediation Area 47	Station ID: 236+95	EB-73-SE1	0-2	7/9/2020	405		_		_		
edi	Sta	EB-73-SE2	0-2	I	48.9		_		_		
em	App.	EB-73-SW1	0-2	I	140		_		_		
8	A	EB-73-SW2	0-2	I	13.4		_		_		
		Soil Remediation Dates:	TBD	Existin	ng Elevation:	936.00'	Propose	ed Elevation:	932.38'		
		Sample ID	Depth	Date Collected		Atlanta	BeltLine Seg	ment 3			
œ	5	EB-74	0-2	6/14/2018	91.7	112	< 7.8	< 420	1200		
a 4	237+95	DUP-10	0-2	0/14/2018	54.6	145	< 8.2	< 410	520		
Are	: 23	EB-74A	3-4		12.9	_			_		
Remediation Area 48	Station ID:	EB-74-N1	0-2	l	13.8	_	_	_	_		
atic	tior	EB-74-SE1	0-2	7/9/2020	28	_	_	_	_		
edi	Sta	EB-74-SW1	0-2	119/2020	61.7	_		_	_		
em	App.	DUP-18	0-2	]	281				_		
R	A	EB-74-SW2	0-2		295			_			
		Soil Remediation Dates:	TBD	Existin	ng Elevation:	936.00'	Propose	ed Elevation:	933.22		

General Notes:

Station Numbers, distances, and elevations are approximate

Elevations were determined using nearest schematic shown on plans relative to Station Numbers

Elevations of proposed fill, insufficient fill (for the required soil cap), and cut are respectively highlighted in green, yellow, and red

Remediation Area	Segment	Sample ID	Constituents <sup>1</sup>	Delineated Area (sq. ft.)	Added Area Following Removal of Conflicted Utilities (sqft.)*	Remediation Depth (ft)	Actual Remediated Depth (ft)	Cubic Feet (ft <sup>3</sup> )	Cubic Yards (yd <sup>3</sup> )	Tons ^	w/20% Contingency
4	3	EB-57	B[a]P	121	Conflict not being removed / Previously Remediated for benzo(a)pyrene	2.5	2.5	303	_2	-	-
5	3	EB-59	As, Benzene	33	Conflict not being removed / Previously Remediated for benzene	2.5	2.52, TBD	83	3.1	5	6
6	3	EB-64	As, Benzene	58	Conflict not being removed / Previously Remediated for benzene	2.5	2.8, TBD	145	5.4	8	10
7	3	EB-65	As, B[a]P, B[b]F	236	NA / Previously Remediated for non-Arsenic	2.5	2.82, TBD	590	21.9	33	39
39	3	EB-51	As	138	NA	1.0	TBD	138	5.1	8	9
40	3	EB-53	As	175	Conflict not being removed	3.0	TBD	525	19.4	29	35
41	3	EB-54	As	320	NA	1.0	TBD	320	11.9	18	21
42	3	EB-55	As	521	Conflict not being removed	2.5	TBD	1303	48.2	72	87
43	3	EB-56	As	184	Conflict not being removed	2.5	TBD	460	17.0	26	31
44	3	EB-60	As	70	Conflict not being removed	2.0	TBD	140	5.2	8	9
45	3	EB-62	As	175	Conflict not being removed	6.0	TBD	1050	38.9	58	70
46	3	EB-69	As	31	Conflict not being removed	1.0	TBD	31	1.1	2	2
47	3	EB-73	As	140	Conflict not being removed	5.0	TBD	700	25.9	39	47
48	3	EB-74	As	261	NA	3.0	TBD	783	29.0	44	52
								Totals:	232.1	348	418

### Table 2 - Summary of Estimated Soil Remediation Volumes Per Remediation Area

### Notes:

^, Using a 1.50 tons/cu.yd. Multiplier

Assumes vertical excavation sidewalls with no setbacks or benching

TBD - To Be Determined; Remediation is pending

1 - Constituents Key:

As — Arsenic

B[a]P — Benzo(a)pyrene

B[b]F — Benzo(b)fluoranthene

Pb — Lead

2 - Remediation previously conducted

\* Applies to non-arsenic constituents. NA means not applicable, as additional arsenic removal is not required due to the Type 5 RRS approach.

Location	Segment	Remediation Area	Station Number <sup>1</sup>	Centerline Distance <sup>1</sup> (ft)	Side of Cross Section <sup>1</sup>	Approx. Excavation Cross-sectional Width <sup>1</sup> (ft)	Existing Elevation <sup>1</sup> (ft amsl)	Proposed Elevation <sup>1</sup> (ft amsl)	Difference in Elevation (ft)	Difference in Elevation with Required Cap <sup>2</sup> (ft)	Depth to Clean Sample (ft)	Required Excavation Depth (ft)	Cut or Fill <sup>2</sup>
EB-57	3	4	206+25	60	Right	15	961.00	956.85	-4.15	-5.15	2.50	-2.50	Cut
EB-59	3	5	208+70	28	Right	12	958.00	956.00	-2.00	-3.00	2.50	-2.50	Cut
EB-64	3	6	218+65	30	Right	12	948.00	946.00	-2.00	-3.00	2.50	-2.50	Cut
EB-65	3	7	220+55	2	Left	20	946.00	945.00	-1.00	-2.00	2.50	-2.50	Cut
EB-51	3	39	194+05	45	Right	15	971.50	971.50	0.00	-1.00	NVD	-1.00	Cut
EB-53	3	40	197+05	40	Right	20	971.25	969.50	-1.75	-2.75	NVD	-3.00	Cut
EB-54	3	41	199+70	56	Right	20	966.00	966.56	0.56	-0.44	3.00	0.00	Cut
EB-55	3	42	201+65	44	Right	30	964.00	962.82	-1.18	-2.18	3.00	-2.50	Cut
EB-56	3	43	203+30	30	Right	20	962.50	961.00	-1.50	-2.50	NVD	-2.50	Cut
EB-60	3	44	211+80	48	Right	12	948.00	946.00	-2.00	-3.00	2.00	-2.00	Cut
EB-62	3	45	214+30	23	Right	15	952.00	947.43	-4.57	-5.57	NVD	-6.00	Cut
EB-69	3	46	228+55	2	Left	12	939.59	939.59	0.00	-1.00	2.00	-1.00	Cut
EB-73	3	47	236+92	24	Right	30	936.00	932.38	-3.62	-4.62	NVD	-5.00	Cut
EB-74	3	48	237+95	5	Right	10	936.00	933.22	-2.78	-3.78	3.00	-3.00	Cut

## **Table 3 - Remediation Cut/Fill Analysis and Approach**

NVD - Not Vertically Delineated (for arsenic)

<sup>1</sup>Based on plans currently-available plans as provided by Kimley Horn

<sup>2</sup>Previous Non-Arsenic Remediation Areas (with no further corrective action required) are not highlighted

Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Atlanta, Fulton County, Georgia 20-GA-01192-12

## **ATTACHMENT D**

**Boring Logs** 



CLIENT:	ante	a Bolt	ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail						
PROJECT	NAME	:				WATER LEVEL - IMM		Journalue				
PROJECT	NUME	BER:	ine - Southside Trail			N/A DRILLING METHOD/	TYPE:			SAMPLING METHOD:		
17 LOGGED I		-01192	2-02			Hand Aug	ger			Hand Auger BORING DEPTH:		
Ja	y Fa	igan 8	Brandon Sharp			6/4/2018				4.5 ft bgs		
DRILLING Ur	ited	FRACTO	R AND EQUIP: ulting			X COORDINATE/LAT 33.72426				Y COORDINATE/LONG (ft): -84.37986974		
E (ft)	:L		LITHOLOGY	_		SAMPLES						
RELOW	EVE	с С С					Q					
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)		NOTES		
0 8	5		Dark brown to black silty SAND; trace track ballast (Fill)	0	R		Ô	0				
0				- 0.4				0	Poss	ible slag @ 0 to 1.5 ft bgs		
_				- - 	100	EB-57 (0-2)	0	_				
			Reddish brown clayey SILT; trace mica	- 								
_	_			- 2 				-				
				- 2.4 								
_	_			- 2.8 -				_				
				- 	100		o					
				- 								
_	-			- 4 -				-				
			Hand auger terminated @ 4.5 ft bgs; dry	- 								
5 —	-			- 				— 5				
				- 								
				- 								
Notes ft bgs	s : s is 1	feet k	pelow ground surface	II			<u> </u>			OVM = Organic Vapor Meter BGS = Below Ground Surface TOD = Time of Drilling H:/Strater Boring Logs/		



CLIENT:	ante	a Beltli	ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail					
PROJECT	NAME					WATER LEVEL - IMM		Journaide	, man		
PROJECT	NUME	BER:	ine - Southside Trail			N/A DRILLING METHOD/				SAMPLING METHOD:	
17- LOGGED E		-01192	-02			Hand Aug				Hand Auger BORING DEPTH:	
Ja	y Fa	gan &	Brandon Sharp			6/7/2018				5 ft bgs	
DRILLING Un	CONT ited	RACTOR Cons	R AND EQUIP: ulting			X COORDINATE/LAT 33.72434	г (ft): 1 <b>539</b>			Y COORDINATE/LONG (ft): -84.37909405	
E (ft)	L		LITHOLOGY	_		SAMPLES					
ELOW	EVE	5.7					U				
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)		NOTES	
0			6" Track ballast Black to dark grey silty SAND; trace gravel (Fill)	- 0 - 0.4 	100	EB-59 (0-2)	0	0	Poss	ible slag @ 0.5 to 3 ft bgs	
_	-										
				- - - - - - - - - - - - - - - - - - -	100		o				
_								_			
				- 4.4 - - - - - 4.8							
5 —			Hand auger terminated @ 5 ft bgs; dry					— 5			
				- - - - - 5.6 - -							
Notes ft bgs	s: isis	feet b	elow ground surface					L 1		OVM = Organic Vapor Meter BGS = Below Ground Surface TOD = Time of Drilling H:/Strater Boring Logs/	



CLIENT:	0.04	o Politi	ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail					
PROJECT	NAME	E:				WATER LEVEL - IM		soumsiae	11/201		
At PROJECT		a Belti	ine - Southside Trail			N/A DRILLING METHOD			SAMPLING METHOD:		
17	-GA	-01192	2-02			Hand Au			Hand Auger		
LOGGED I	y Fa	igan &	Brandon Sharp			DATE DRILLED: 5/31/2018	3		BORING DEPTH: 5 ft bgs		
DRILLING	CONT	TRACTOR	R AND EQUIP: ulting			X COORDINATE/LA -84.3758	T (ft):	24	Y COORDINATE/LONG (ft): 33.724321028655		
			LITHOLOGY				0/1313		55.724521028055		
ACE (	WATER LEVEL	U		_		SAMPLES					
BELO	Ш Г	2 0 0 0 0		-	34		OVM READING (PPM)				
	TER	ЧЧ ЧЧ	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	PPM	DEPTH (Ft)	NOTES		
DEPTH BELOW GROUND SURFACE (ft)	M∧	LITHOLOGIC SYMBOL			REC		N N				
0			Black to dark grey silty SAND; topsoil (Fill)	0				0			
				-							
				-0.4							
				-							
				0.8							
-			Dark brown to light tan; trace clay		100	EB-64 (0-2)	o	_			
				-							
				-2							
				-							
				- 2.4							
				- 2.8							
-				-				-			
				-3.2							
				-							
					100		0				
				-							
_				4							
				-							
				-							
				- 4.4							
				E							
				- 4.8							
5 —		있는 것 같은 	Hand auger terminated @ 5 ft bgs; dry	-				- 5			
				5.2							
				-							
				Ē							
				-							
Notes ft bgs	s: sis	feet b	elow ground surface						OVM = Organic Vapor Meter BGS = Below Ground Surface TOD = Time of Drilling		



IENT: At	lanta	a Beltl	line, Inc.			SITE LOCATION: Atlanta E	Beltline \$	Southsid	e Trail
OJECT	NAME	:	line - Southside Trail			WATER LEVEL - IM			
OJECT	NUME	BER:				DRILLING METHOD			SAMPLING METHOD:
GGED I	BY:	-01192				Hand Au			Hand Auger BORING DEPTH:
	y Fa	I <b>gan &amp;</b>	R AND EQUIP:			5/31/2018 X COORDINATE/LA			4 ft bgs Y COORDINATE/LONG (ft):
	ited	Cons	sulting			-84.3751	8020507	79	33.724405215401
CE (t	Ē	0	LITHOLOGY			SAMPLES			
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES
0			Black to dark grey silty SAND (Fill)	-0.4				0	
_	_			- 1.2	100	EB-65 (0-2)	0	_	Possible slag @ 0 to 2 ft bgs
_	-		Light tan to light reddish brown sandy SILT					_	
_	-		Dark brown;	-2.8 	100		0	_	
_	_		Hand auger terminated @ 4 ft bgs; dry	-3.6					
5 —	-			-4.8				5	
				5.2 					
lotes bgs	s: sis	feet b	below ground surface		<u> </u>			<u>                                     </u>	OVM = Organic Vapor Met BGS = Below Ground Surf. TOD = Time of Drilling H:/Strater Boring Logs/



# WELL/PIEZOMETER LOG

PROPOSED ID:

WELL ID: EB-51/MW-15

	nta Be		e, Inc.	A	E LOCATION: tlanta Beltline	South	side Trail	CONSTR. START: 5/31/2018				
	nta Be	eltlin	e - Southside Trail	D	ILLING METHOD: irect Push			CONSTR. CC 5/31/2018	3			
17-0	ECT NI <b>SA-0</b> 1	192		A	ILLING CONTRAC tlas Geo		) EQUIP:	DEVELOPME 6/7/2018				
	ED BY <b>Faga</b>		Brandon Sharp		MPLING METHOD		npler	STATIC GRO 4.25 ft bg	UNDWATER DEPTH: <b> S</b>			
Depth (feet)	nscs	Graphic Log	LITHOLOGY	% RE(	SAMPLES	ΟνΜ	SKETCH		NOTES			
0	ML		Black to brown to reddish brown SILT; trace gravel and crushed o (Fill)	sandy coal	C Sample ID EB-51 (0-2)	- 0		_	Relict rock structures @ 2 ft bgs			
- 4			Brown to orangish brown sandy (Residual)	SILT					Relict rock structures @ 2 ft bgs			
•	ML			95		0		-				
8 -	-		; to reddish brown		-			-				
-	ML			80		0		-				
12 -	_		Auger refusal @ 11 ft bgs; satur	ated								
- 16 -	-											
-	-							-				
- 20	-											
24 -	-											
- 28 -												
OTES		vatio	n is approximate.	Time of Drilli Groundwater L	surface Elev.: 972 ft AMSL TOC Elev.:		Flush Mount with Cap	Filter Pack Type: Sand Well Diameter:	Screen Length: 5 ft Screen Slot Size:			
			_	24-Hour Groundwater I	N/A Northing/Lat.: -84.383438618	461	0.0 ft bgs Annular Fill Type: Sand	1" Borehole Diameter: 3.25"	0.01" Bottom of Screen: 10.8 ft bgs			
				Developme Groundwater I		967	Annular Sealant Type: Bentonite	Top of Screen: 5.8 ft bgs	Bottom of Well: 10.8 ft bgs			



ENT: Atl			ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail WATER LEVEL - IMMEDIATE:							
	anta	a Beltli	ine - Southside Trail			DRILLING METHOD			SAMPLING METHOD:				
17	GA	-01192	2-02			Hand Au			Hand Auger				
GGED E	y Fa	gan &	Brandon Sharp			DATE DRILLED: 6/7/2018			BORING DEPTH: 3.5 ft bgs				
RILLING	CONT	RACTOR	R AND EQUIP: ulting			X COORDINATE/LA 33.7241	T (ft):		Y COORDINATE/LONG (ft): -84.38284475				
		00113	LITHOLOGY				0004		-04.30204413				
ACEO	VEL	<u>с</u>				SAMPLES							
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES				
0			6" Track ballast	0				0					
				-									
			Dark grey to black silty SAND; trace track ballast (Fill)	-0.4									
				Ē									
				- 0.8									
_				Ē	100	EB-53 (0-2)	0	$\vdash$					
				- 1.2									
				Ē									
				- 1.6									
				-					Possible slag @ 0.5 to 3 ft bgs				
_				2				-					
				Ē									
				-	100		0						
_													
			Hand auger terminated @ 3 ft bgs; dry										
				F									
				-									
				F ,									
_				-4									
				F.									
				- 4.4									
				F									
				- 4.8									
5 —				Ē				— 5					
				- 5.2									
				Ē									
				5.6									
				F									
lotes	5 : ie f	fact h	pelow ground surface	ŀ			<u> </u>		OVM = Organic Vapor Met BGS = Below Ground Surf TOD = Time of Drilling				



ROJECT			ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail WATER LEVEL - IMMEDIATE:						
	lanta	a Belti	ine - Southside Trail			DRILLING METHOD			SAMPLING METHOD:			
17	-GA-	.01192	2-02			Hand Au	ger		Hand Auger			
ogged <b>Ja</b>		qan &	Brandon Sharp			DATE DRILLED: 6/4/2018			BORING DEPTH: 5 ft bgs			
RILLING	CONT	RACTOR	R AND EQUIP: ulting			X COORDINATE/LA 33.7242	T (ft):		Y COORDINATE/LONG (ft): -84.3820281			
	liteu	COIIS	LITHOLOGY				2111		-04.3020201			
ACE (	VEL	<u>о</u>		-		SAMPLES						
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES			
0			Light tan to light brown silty SAND; trace track ballast (Fill)	0				0				
			; Black to dark grey	- 								
_			Light tan sandy SILT; trace mica	- 	100	EB-54 (0-2)	0					
_	_							_				
-			Reddish brown silty CLAY	-2.4 				_				
				- 	100		o					
-	_			- 								
5 —	_		Hand auger terminated @ 5 ft bgs; dry	- - 				5				
				- 5.2								
				- 5.6 - -								



			ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail						
			ine - Southside Trail			WATER LEVEL - IM <b>N/A</b>	MEDIATE:					
ROJECT	NUM					DRILLING METHOD			SAMPLING METHOD: Hand Auger			
DGGED	BY:					DATE DRILLED:			Hand Auger           BORING DEPTH:           5 ft bgs           Y COORDINATE/LONG (ft):           -84.37986974			
		agan &	Brandon Sharp R AND EQUIP:			6/4/2018 X COORDINATE/LA						
U	nited	l Cons	ulting			33.7242						
(#) E	<u> </u>		LITHOLOGY	_		SAMPLES						
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES			
0			Black to dark grey silty SAND; trace track ballast (Fill)	_ 0				0				
				- - 0.4 - - -								
-				0.8 	100	EB-55 (0-2)	0	_				
				- - - - - - -								
-				-2 - 								
-			Reddish brown silty CLAY	- 				_				
				- 3.2 	100		0					
-								_				
5 —	-		Hand auger terminated @ 5 ft bgs; dry			l		— 5				
				- 								



			ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail WATER LEVEL - IMMEDIATE:						
	anta	a Beltl	ine - Southside Trail			DRILLING METHOD			SAMPLING METHOD:			
17	-GA	-01192	2-02			Hand Au			Hand Auger			
DGGED I	y Fa	igan &	Brandon Sharp			DATE DRILLED: 6/4/2018			BORING DEPTH: 4 ft bgs			
RILLING Ur	CONT ited	TRACTOF	R AND EQUIP: ulting			X COORDINATE/LA 33.72434	T (ft): <b>1828</b>		Y COORDINATE/LONG (ft): -84.38086036			
E (ft)			LITHOLOGY			SAMPLES						
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES			
0			6" Track ballast	0				0				
_	-		Dark tan to dark brown silty SAND; trace track ballast; trace mica (Fill)		100	EB-56 (0-2)	0					
_	-		Dark tan clayey SILT; trace track ballast	- 2.4 - 2.8 	100		o	_				
5 —	-		Hand auger refusal @ 4 ft bgs; dry	- 4.4 - 4.4 4.4 				5				
lote: bgs	s: sis	feet b	pelow ground surface	<u> </u>	<u> </u>		<u> </u>	<u>                                     </u>	OVM = Organic Vapor Met BGS = Below Ground Surf TOD = Time of Drilling H:/Strater Boring Logs/			



ENT: At	anta	a Belti	ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail							
OJECT	NAME	:	ine - Southside Trail			WATER LEVEL - IMMEDIATE: N/A							
OJECT	NUME					DRILLING METHOD			SAMPLING METHOD: Hand Auger				
GGED E	3Y:					DATE DRILLED:	<u>.</u>		BORING DEPTH:				
ILLING	CONT	RACTOR	R AND EQUIP:			6/4/2018 X COORDINATE/LA	T (ft):		5 ft bgs Y COORDINATE/LONG (ft):				
	ited	Cons	ulting			33.72488	365		-84.37837385				
CE (t	ĒĽ	0	LITHOLOGY	_		SAMPLES							
GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES				
0			6" Track ballast	_ 0				0					
			Black to dark grey silty SAND; trace track ballast (Fill)	-0.4									
_				- 	100	EB-60 (0-2)	0	_					
_	_			- 									
_	-			- - - 2.8 - - - 3.2				_					
				- 3.2 	100		o						
_	-			- 4 									
i —	_		Hand auger terminated @ 5 ft bgs	-4.8				5					
				5.2 - - 									
otes bgs	s:	feet b	pelow ground surface	-					OVM = Organic Vapor Met BGS = Below Ground Surf TOD = Time of Drilling H:/Strater Boring Logs/				



	lant		ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail						
PROJECT	NAME	:				WATER LEVEL - IM		Southside	11 all			
Atl PROJECT			ine - Southside Trail			N/A DRILLING METHOD	/TYPE:		SAMPLING METHOD:			
17	-GA	-01192	2-02			Hand Au	ger		Hand Auger			
LOGGED E	зү: <b>v Fa</b>	aan &	Brandon Sharp			DATE DRILLED: 5/31/2018	3		BORING DEPTH: 4 ft bgs			
DRILLING	CONT	RACTOR	R AND EQUIP:			X COORDINATE/LA	T (ft):		Y COORDINATE/LONG (ft):			
	Ited	Cons	LITHOLOGY			-84.3772	38/3882	2	33.724343244729			
DEPTH BELOW GROUND SURFACE (ft)	Ē	0	LIIHOLOGT	-		SAMPLES						
JRFA	WATER LEVEL	LITHOLOGIC SYMBOL			~		UN NO					
	ER	OLC MB	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	%) VER	SAMPLE	READ PM)	DEPTH (Ft)				
ROUL	NAT	ΗTI- YS			RECOVERY (%)		OVM READING (PPM)	Ш Ш	NOTES			
0	^		Dark grey to black silty SAND; trace track ballast (Fill)	0	~		0	0				
0				-								
				-0.4								
				-								
				-								
				- 0.8								
–			Dark tan to reddish brown; trace gravel	· [-	100	EB-62 (0-2)	0	-				
				-								
				- - 								
				- 1.0								
				-								
-				-2				-				
				-								
				-								
				-								
				-2.8								
-				E	100		0	-				
				-3.2								
				-								
				-								
				-								
-	1	unan da la	Hand auger terminated @ 4 ft bgs; dry	4				_				
				-								
				-4.4								
				E								
F				-								
5 —				F				5				
				F								
				5.6								
				F								
				-								
Notes	s :								<b>OVM</b> = Organic Vapor Meter <b>BGS</b> = Below Ground Surface			
ft bgs	sisi	teet b	elow ground surface						TOD = Time of Drilling H:/Strater Boring Logs/			



CLIENT:	lont	- Balti	ine, Inc.			SITE LOCATION: Atlanta Beltline Southside Trail						
PROJECT	NAME	:				WATER LEVEL - IM		Southside				
At PROJECT			ine - Southside Trail			N/A DRILLING METHOD	/TYPE:		SAMPLING METHOD:			
17	-GA	-01192	2-02			Hand Au			Hand Auger			
LOGGED I	y Fa	igan &	Brandon Sharp			DATE DRILLED: 5/31/2018	3		BORING DEPTH: 4 ft bgs			
		RACTOR	R AND EQUIP:			X COORDINATE/LA -84.3726	T (ft):	<b>2</b> 2	Y COORDINATE/LONG (ft): 33.724942646295			
			LITHOLOGY						00.1 210 120 10200			
ACE	VEL	<u>ں</u>				SAMPLES	1					
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DE PTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES			
0			Black to dark grey silty SAND (Fill)	- 0				0				
				- - - - - - - - - - - - - - - - - - -								
_				- - 	100	EB-69 (0-2)	0					
_			Reddish brown to dark brown clayey SILT	- 								
				- - - - - - - - - - - - - - - - - - -								
_	_		Dark tan silty SAND; trace gravel	- - - 	100		0	_				
			Hand auger terminated @ 4 ft bgs; dry	- - - - - 4.4								
				- - - - 4.8								
5 —				- - 5.2 -				— 5				
				- - 								
Notes ft bgs	s: sis	feet b	elow ground surface	1	1		1	I	OVM = Organic Vapor Meter BGS = Below Ground Surface TOD = Time of Drilling H:/Strater Boring Logs/			



	ant	a Rolti	ine, Inc.			SITE LOCATION:	altling	Southside	Trail
PROJECT	NAME	:				WATER LEVEL - IMM		Journalue	i i aii
PROJECT	NUME	BER:	ine - Southside Trail			N/A DRILLING METHOD	/TYPE:		SAMPLING METHOD:
17 LOGGED E		-01192	2-02			Hand Aug			Hand Auger BORING DEPTH:
Ja	y Fa	igan &	Brandon Sharp			5/30/2018			5 ft bgs
DRILLING	ited	rractor Cons	R AND EQUIP: ulting			X COORDINATE/LA -84.3700		69	Y COORDINATE/LONG (ft): 33.725711362852
E (ft)	_		LITHOLOGY	_		SAMPLES			
ELOW		с С С					U		
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DE PTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES
0			Black to dark grey silty SAND; mixed track ballast (Fill)	0				0	
				- - - - - - - - - - - - - - - - -					
_	-		Reddish to orangish brown sandy SILT; trace clay	- - 	100	EB-73 (0-2)	0	_	
				- 1.6					
-				-2					
				- - 2.4 -					
_				- - 2.8 -					
			; yellowish to light brown						
					100		0		
_	-			- 				_	
			Reddish to dark brown silty CLAY	- 4.4 					
5 —	-		Hand auger terminated @ 5 ft bgs; dry	- - 4.8 - - -				5	
				- 					
				- - - - -					
Notes ft bgs	s: sis	feet b	pelow ground surface	<u>I</u>	<u> </u>	1	<u>I</u>	<u> </u>	OVM = Organic Vapor Meter BGS = Below Ground Surface TOD = Time of Drilling H:/Strater Boring Logs/



	lant	a Rolti	ine, Inc.			SITE LOCATION: Atlanta B	altling 9	Southside	Trail
PROJECT	NAM	E:				WATER LEVEL - IM		Journalue	
PROJECT	NUM	BER:	ine - Southside Trail			N/A DRILLING METHOD			SAMPLING METHOD:
LOGGED	BY:	-01192				Hand Au	ger		Hand Auger BORING DEPTH:
Ja DRILLING	CONT	Igan &	Brandon Sharp R AND EQUIP:			6/14/2018 X COORDINATE/LA			2.5 ft bgs Y COORDINATE/LONG (ft):
Ur	nited	Cons	ulting			-84.3697	3961522	25	33.725856585581
CE∢	Ē	$\sim$	LITHOLOGY			SAMPLES			
DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGIC SYMBOL			ž		SNIC		
UNDS	TER	HOL	GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	DEPTH (Ft)	RECOVERY (%)	SAMPLE	OVM READING (PPM)	DEPTH (Ft)	NOTES
GROID	M	E o			REC		N/O		
0			Black silty SAND; crushed slag (Fill)	_ 0				0	
				0.4					
				-					
_				-		EB-74 (0-2)			
				-	100		0		
			Dark brown silty SAND						
				-					
-	_			2				_	
				-	100		0		
					100		Ű		
			Hand auger terminated @ 2.5 ft bgs; dry	-					
				- 2.8					
-	-			-				_	
				- 3.2					
				-					
				- 3.6					
				-					
-	-							_	
				-					
				— 4.4 [					
				-					
_				- 4.8 -					
5 —				-				5	
				- - 5.6					
				-					
				-					
Note: ft bgs	s: sis	feet b	elow ground surface						OVM = Organic Vapor Meter BGS = Below Ground Surface TOD = Time of Drilling H:/Strater Boring Logs/

Arsenic Delineation Sampling Atlanta BeltLine – Southside Trail Atlanta, Fulton County, Georgia 20-GA-01192-12

## **ATTACHMENT E**

# Laboratory Analytical Testing Reports

625 Holcomb Bridge Road, Norcross, GA 30071 • 770-209-0029 • unitedconsulting.com

## **ANALYTICAL ENVIRONMENTAL SERVICES, INC.**



July 24, 2020

Spencer Cox United Consulting Group Inc.

625 Holcomb Bridge Rd Norcross GA 30071

RE: Atlanta Beltline

Dear Spencer Cox:

Analytical Environmental Services, Inc. received for the analyses presented in following report.

samples on 7/16/2020 5:12:00 PM

Order No:

2007H19

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES's accreditations are as follows:

46

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/20-06/30/21.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/20 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/21.

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

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

Sincerely,

IDana) Pacurar

Ioana Pacurar Project Manager

A	ANALYTICAL ENVIRO				ICES	, INC				Cŀ	IAI	N OI	F C	UST	OD	Y	Work Order: 2001	HI
AE	<ul> <li>3080 Presidential Parkway, Atlar</li> <li>TEL.: (770) 457-8177 / TOLL-FF</li> </ul>				K: (770)	457-8	188								Date:	7/10	20 Page of	3
COMPA		ADDR		625 HOLCO						AN	ALYS	IS RE	OUE					
	UNITED	4		NORCROS				-		T	T		402				Visit our website	
	CONSULTING			770-209-002							-						www.aesatlanta.com to	
PHONE	770 942 9056	FAX:		7	70-582	2-290	0	-	a								check on the status of your results, place bottle orders,	
	770-842-8956	-		~ '	10-30	-250			yren	1	-			etals			etc.	2
SAMPL	ED BY: Spencer Cox	SIGNA	TURE	AIF	51	7		0	Benzo(a)Pyrene	Le l			s	RCRA-8 Metals				
_		1	C	10	60	-	<u>ب</u>	Arsenic	oźue	Benzene		VOCs	SVOCS	CRA	TCLP	НОГD		
#	SAMPLE ID		SAM	PLED		osite	odes)	Ar				≥ ATION		_		Ξ		
					Grab	Composite	Matrix (See codes)		T I	T							REMARKS	
			11E	TIME	G	C	So	X	-	-	-	-						1
1	EB-74-NI (0-2)	719	2020	13:10			20	X	-	-	-		-		-	$\mathbf{X}$		i
2	EB-74-N2 (0-2)			13:12				X	1	$\vdash$	-			-				1
3	EB-74-SEI (0-2) EB-74-SE2 (0-2)			13:13				X		1						X		l
5	EB-74-5WI (0-2)			13:18				X										1
6	EB-74-6W2 (0-2)			13:21				X								X		1
7	EB-74A (3-4)			13:25				X										1
8	E8-74-DUPI8			13:20				X										1
9	EB.73-NI			13:30	$\geq$			X									- 14	1
10	EB . 73-N2			13:83				X						_		X		1
11	EB-13.5E1			13:28				X										1
12	EB-73-5E2			13:39				X							_	Х		1
13	EB-73 - 6W1			15:41		_		X		-	1	-		_			,	
14	EB-73-5W2	<u> </u>	1	13:42				X						-	-	X		
15	EB-73A (3-4)		20	13:50				X	-		-		-	-		_		
16	EB-109-NW1 (0.2)	31	0 20	9:50				X	-	_	-			-	-		·	$\square$
.7	EB-69-NN2 (0-2)	1		9:52				-X	-	-	-	-	-	-		K		
18	EB-69-E1 (0.2)		-	10:05		-			-	-				-	-	X	A	
19	EB-69-E2 (0-2)			10:07		-	+	X	-	+	1	-	-	-		r	\	
20	EB-119-5W1 (0-2)			10:10		-	++	$\overline{\mathbf{x}}$	-	-			-		1 ·	X		
21	EB-109-SW2(0-2)			10:18	$\sim$			Ŕ		+							r	Г
22 23	EB-109 A (2-3) EB-109 - DUP19		1	10:20		-		×	<u> </u>	1								Ti
23	EB-UZ-NWI (0-2)			10:28		1		X										1
25	EB-62-NW2 (0-2)			10:31				X								X		
26	EB-62 - NEI (0.2)			10:38				X										
27	EB-162 - NE2 (0-2)			10:39	$\setminus$			X								X		1
28	EB-102 - 51 (0-2)			10:49	/			X						1				
29	EB-62-52 (0-2)			10:49				X								X		1
30	EB-102A(2-3)			10:50		-	$\square$				_		_	_				-
31	EB-40 - NEI (0.2)			10155	$\triangleright$			X	j ·	-	-		-	-	_		A	+
32	EB-60 - NE2 (0.2)			10:57	$\triangleright$	-	++		-	-		-	-	-	-	ĮΧ		
33	EB-60 - WI (0.2)			10.59		-		12	-	+	-		-	-	-	-	-	+
34	EB-10-W2 (0.2)	-	1	11:05		-	1	X	-	+	-	-	-	-	-	X	×	+
35	UISHEDBY DATE TIME		0 20			1	So DATE/TIN	VE	•	рп	OIFC	T INFO	ORM	ATIO	N		RECEIPT	
:	QUISTEDBY DATE	1:	AVED B	20	7-		16/20	20000	DJECT						Beltlin	ne	Total # of Containers	3
	the the	2:	1	N I	$\swarrow$	11	3:10	_							11, -12			-
-	7/16/20		-	CA	2		6/20		DJECT		S.	2	0-0A-(			,-13	Turnaround Time Request           X         Standard 5 Business Days	
1	1 1310	3:	1		1		10	511	2 70	SALE		-		Atlan	ta		2 Business Day Rush	
	V	/	1	n a	¥1161	70	17:10	SEI	ND RI	EPOR	T TO:		Spe	ncer C	ox		Next Business Day Rush	
SPECI	AL INSTRUCTIONS/COMMENTS:	U		SHIPMENT					/OICH		T FRO	M ABO	OVE)				Same Day Rush (auth req.	.)
	CRAMELE 2	OU'	T /		VIA: VIA:			(II.									Other 4 Day Turn STATE PROGRAM (if any):	
	SEQMENT 3	IN / / VIA: CLIENT FedEx UPS MAIL COURIER				E-mail? Y/N; Fax? Y/N												
			GR	EYHOUND (	OTHER_			PO# 6369 DATA PACKAGE: I II III IV										
																	Page 2 of 62	

Pag	e 2	of	6

PA	NY	ADDRE	SS:							ANA	I VSI	S REQ	UES	TFD		1		
u 7u	UNITED			625 HOLCO						ANA		S KEQ	UES	TED	_		Visit our website	
1	CONSULTING			NORCROS	FAX:	770-582	-2900										www.aesatlanta.com to	
NIT.		FAX:					_	-	0								check on the status of your results, place bottle orders,	
NE:	770-842-8956			$\sim$	70-582	2-2900	, 		Benzo(a)Pyrene				-	Metals			etc.	
PLE	BD BY: Spencer Cox	SIGNA	TURE:		1			0	(a)P	ne			s	-8 M				
-	Spencer Con		Ś	ON	$\mathbb{X}$			Arsenic	ozu	Benzene		VOCs	SVOCS	RCRA-8	TCLP	НОГД		
			SAME	PLED	0 '	site	odes)	Ar		m RESE	RVA	≥ TION				Ť		0
	SAMPLE ID		_		Grab	Composite	Matrix (See codes)			ICL01			(500		.,		REMARKS	-
4		the survey of the local division in which the local division in which the local division in the local division	TE	TIME	G	Ŭ	So	X		-			-		-			1
+	EB-60-5E2(0-2)			2/10/20			50			-					-		- /	1
+	EB-00A(2-3)			77/10/20				+	-									1
+	EB-60-DUPAI		0	77/10/20				Ŕ			-							1
	EB-510-N1(0-7)		7	10:00		-		1 <del>分</del>								X		1
+	FB-511-NIL (0-2)	41	3 20	10:01		-		ťŻ	-									1
+	EB-510-5E1 (0-2)			10:08				X								X		۱
+	EB-510-SE2 (0-2)			10:15				X										)
+	EB-510-5101 (0-2) EB-510-5102 (0-2)			10:17		1		X								X		1
,	EB-569(3-4)			10:25				X	-									1
, 	EB-56-DUP2	210	3 20	10:30		I		X										1
2	EB-55 - NI (0-2)	710		10:40				X										
	EB-55-N2 (0.2)	1		11:45				X								X		
	EB-55 - 5EI (0-2)			18:49				X				_	_	_			0	
5	EB-55-322 (0-2)		-	11:55	/			X								X		
6	EB-55-5W1 (0-2)			11:54				×				-				-		_
7	EB-55-5W2 (0.2)			12:08					-	_		-		-	-	X		_
8	EB-55A (3-4)			12:10							-	_	1	-	-	+		
9	EB-54. NEI (0.2)			12:30				2	<u> </u>	_	_	-	1	-	-	-		-
0	EB-54 - NE2 (0-2)			12:33	$\triangleright$			-X	-	+	-	-			┢	12	· · · ·	
1	EB-54-51 (0-2)		-	12:38		-	+	-X	-	-	-	-	-	-	-	1		-
2	EB-54-52 (0.2)			12:39		-	+		-	-	-		-	-	-	2	5	
3	ED-54-AWI (0-2)	_	-	12:42		$\leftarrow$		$\neg \uparrow$		+	+	_	-	-	+-	1	/	H
4	EB-54-NN2 (0-2)	-	-	12.47		-	+	-X		-	+	+-	-	-	+			
5	EB-54 A (3-4)	_	-	12:50		-			-	+	+		-	-	+	+		
.6	EB-54-00023	-	-	12:55		-	+	-3	+	-	-	-	-	-	+	+		
27	EB-53 5E1 (0.2)		-	13:30		-	+	-16		-	+	+		-	+	5	(	
28	EB-535E2 (0-2)	-	+	13:35				-6		+	-	-	-	-	+			Γ
29	EB-53- 5W1 (0-2)	11	1 ala	13:45	1	-	++	-15	Ì	+	-		-	+	+	>	<	Γ
30	EB-53-5W2(0-2)	_	10/20		K		++	5	<u></u>	-	-		1	+	1			Γ
31	EB-53-NI (0-2)		13/20		K	-	++	5	ć			-	1	1	1		e	Γ
32	EB-53-N2 (0-2)	-	10 20		K			5	Ì		-	1	1			1		
33	EB-53A (3-4)		13/20			1		5	2			1	$\top$					
34	1001110101010 EB-51A (3-1	-	13 2	and a second second	K	1	S		X									
35 ELIT	EB-51-DUP24 NQUISHEDBY DATE	_			0	Y	DATE/T	IME				CT INF	ORM	IATIC	DN		RECEIPT	T
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	7/10/2		-	ny	V	7	10/2	2 SITE ADDRESS: Atlanta Standard 5 Business Days										
1			Ø	5-	7/10	122	17.	2 Business Day Rush SEND REPORT TO: Spencer Cox Next Business Day Rush										
1	<u> </u>		1/	SHIPMEN			17.		AVOIC								Same Day Rush (auth req	.)
PEC	TAL INSTRUCTIONS/COMMENTS:	0	UT	/ /								OM AB	OVE	)			O Other 4 Day Turn	_
	CHANA - 22	OUT / / VIA: IN /_ / VIA:										STATE PROGRAM (if any):	-					
	SEGMENT 3		IN / / VIA: CLIENT FedEx UPS MAIL COURIER				E-mail? Y/N; Fax? Y/N РО# <b>СЗИД</b> DATA PACKAGE: I II III Г											

E	3080 Presidential Parkway, Atlan           S           TEL.: (770) 457-8177 / TOLL-FF	REE (8	300) 972	2-4889 / FAX	K: (770)	457-81	88	_			-	1.510			Date:	-11	16/20	Page 3	of <u>9</u>	_
MPA	UNITED CONSULTING	ADDR	ESS:	625 HOLCO NORCROS 770-209-002	S. GEC	RGIA	30071		A	NAI	LYSIS	S REQ	UES	TED			www check	/isit our website <u>v.aesatlanta.com</u> to on the status of yo	ur	
ONE:	770-842-8956	FAX:		2	70-582	2-2900	)		/rene					etals			results	s, place bottle orde etc.	ers,	
MPLE	Spencer Cox	SIGN	ATURE:	X S	$\checkmark$			ic	Benzo(a)Pyrene	ene		s	Cs	RCRA-8 Metals						iners
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ŧ	SAMPLE ID		ATE	TIME	Grab	Composite	Matrix (See codes)		PR	ESE	RVA	TION	(See	code	s)			REMARKS		A H -IN
1	EB-51-NNI (0.2)	and the owner water w	320	12:14	1		50	X											_	1
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ŧ	EB-51- E2 (0-2)			12:28				X	_		_		_		-	X	-		-	-
5	EB-B1-SUI (0-2)	+-	1	12:24		-		$\odot$	-	_			-				•			1
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	7/10/2	20 2:	<u>_</u>	2	1/	71	10/2	) PR	OJECT	r #:			20-G/	-01192	-11, -	12, -1		Turnaround Time F		
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Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-001				Client Samı Collection I Matrix:		EB-74-N 7/9/2020 Soil	I (0-2) 1:10:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW.	3050B)			
Arsenic	13.8	2.05		mg/Kg-dry	300145	1	07/22/2020 07:03	AJ
PERCENT MOISTURE D2216								
Percent Moisture	11.9	0		wt%	R430456	õ 1	07/19/2020 00:00	JW

### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-003				Client Samp Collection D Matrix:		EB-74-SI 7/9/2020 Soil	E1 (0-2) 1:13:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	28.0	2.28		mg/Kg-dry	300145	1	07/22/2020 07:05	AJ
PERCENT MOISTURE D2216 Percent Moisture	18.4	0		wt%	R430456	5 1	07/19/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-005				Client Samp Collection D Matrix:		EB-74-S 7/9/2020 Soil	W1 (0-2) 1:18:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	61.7	2.19		mg/Kg-dry	300145	1	07/22/2020 07:08	AJ
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R430456	5 1	07/19/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-007				Client Samı Collection I Matrix:		EB-74A( 7/9/2020 Soil	3-4) 1:23:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW.	3050B)			
Arsenic	12.9	2.07		mg/Kg-dry	300145	1	07/22/2020 07:10	AJ
PERCENT MOISTURE D2216 Percent Moisture	13.5	0		wt%	R430456	5 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-008				Client Samı Collection I Matrix:		EB-74-D 7/9/2020 Soil	UP18 1:26:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW.	3050B)			
Arsenic	281	2.06		mg/Kg-dry	300145	1	07/22/2020 07:12	AJ
PERCENT MOISTURE D2216 Percent Moisture	12.4	0		wt%	R430456	õ 1	07/19/2020 00:00	JW

### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Env	ironmental Services, Inc						Date:	24-Jul-20	
Project Name: A	United Consulting Group Inc. Atlanta Beltline 2007H19-009				Client Sam Collection I Matrix:	•	EB-73-N 7/9/2020 Soil	1 1:30:00 PM	
Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOT	AL SW6010D				(SW	3050B)			
Arsenic		188	2.40		mg/Kg-dry	300145	1	07/22/2020 07:15	AJ
PERCENT MC		19.2	0		wt%	R430456	5 1	07/19/2020 00:00	JW

### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-011				Client Sam Collection I Matrix:	•	EB-73-SI 7/9/2020 Soil	E1 1:38:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	405	2.57		mg/Kg-dry	300145	1	07/22/2020 07:26	AJ
PERCENT MOISTURE D2216 Percent Moisture	19.3	0		wt%	R430456	õ 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

					Date:	24-Jul-20	
			Collection I				
Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
			(SW.	3050B)			
140	2.19		mg/Kg-dry	300145	1	07/22/2020 07:29	AJ
18.1	0		wt%	R430456	5 1	07/19/2020 00:00	JW
-	140	Result         Limit           140         2.19	ResultReporting LimitQual1402.19	Result Reporting Limit Qual Units (SW3) 140 2.19 mg/Kg-dry	Collection Date: Matrix:       Result     Reporting Limit     Qual     Units     BatchID       140     2.19     mg/Kg-dry     300145	Client Sample ID: Collection Date: 7/9/2020 SoilResultReporting QualUnitsBatchIDDilution Factor1402.19mg/Kg-dry3001451	Result       Reporting Limit       Qual Qual Qual Matrix:       BatchID       EB-73-SW1         140       2.19       mg/Kg-dry 300145       1       07/22/2020 07:29

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-015				Client Samj Collection I Matrix:		EB-73A ( 7/9/2020 Soil	(3-4) 1:50:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	556	2.44		mg/Kg-dry	300145	1	07/22/2020 07:31	AJ
PERCENT MOISTURE D2216								
Percent Moisture	23.4	0		wt%	R430456	5 1	07/19/2020 00:00	JW

### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services,	Inc					Date:	24-Jul-20	
Client:United Consulting Group InProject Name:Atlanta BeltlineLab ID:2007H19-016	nc.			Client Samj Collection I Matrix:		EB-69-N 7/10/2020 Soil	W1 (0-2) 0 9:50:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW.	3050B)			
Arsenic	11.8	2.11		mg/Kg-dry	300145	1	07/22/2020 06:47	AJ
PERCENT MOISTURE D2216 Percent Moisture	16.4	0		wt%	R430456	5 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-018				Client Samp Collection D Matrix:		EB-69-E 7/10/2020 Soil	1 (0-2) 0 10:05:00 AM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	BRL	2.38		mg/Kg-dry	300145	1	07/22/2020 07:34	AJ
PERCENT MOISTURE D2216 Percent Moisture	20.0	0		wt%	R430456	5 1	07/19/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-020				Client Samp Collection D Matrix:		EB-69-S 7/10/2020 Soil	W1 (0-2) 0 10:16:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	BRL	2.50		mg/Kg-dry	300145	1	07/22/2020 07:36	AJ
PERCENT MOISTURE D2216 Percent Moisture	18.2	0		wt%	R430456	5 1	07/19/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-022				Client Samp Collection D Matrix:		EB-69A 7/10/2020 Soil	(2-3) 0 10:18:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	2.63	2.55		mg/Kg-dry	300145	1	07/22/2020 07:38	AJ
PERCENT MOISTURE D2216								
Percent Moisture	22.6	0		wt%	R430456	5 1	07/19/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-023				Client Samp Collection D Matrix:		EB-69-D 7/10/2020 Soil	UP19 0 10:20:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	8050B)			
Arsenic	4.04	2.63		mg/Kg-dry	300145	1	07/22/2020 08:32	AJ
PERCENT MOISTURE D2216 Percent Moisture	26.7	0		wt%	R430456	5 1	07/19/2020 00:00	JW

### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-024				Client Samp Collection D Matrix:		EB-62-N 7/10/2020 Soil	W1 (0-2) 0 10:28:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	3050B)			
Arsenic	107	2.51		mg/Kg-dry	300145	1	07/22/2020 07:43	AJ
PERCENT MOISTURE D2216 Percent Moisture	22.5	0		wt%	R430456	5 1	07/19/2020 00:00	JW

### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-026				Client Sam Collection I Matrix:	•	EB-62-N 7/10/2020 Soil	E1 (0-2) 0 10:38:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	3.21	2.13		mg/Kg-dry	300145	1	07/22/2020 07:45	AJ
PERCENT MOISTURE D2216 Percent Moisture	13.6	0		wt%	R430456	5 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-028				Client Samp Collection D Matrix:		EB-62-S 7/10/2020 Soil	1 (0-2) 0 10:47:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	3050B)			
Arsenic	23.5	2.16		mg/Kg-dry	300145	1	07/22/2020 07:48	AJ
PERCENT MOISTURE D2216 Percent Moisture	15.0	0		wt%	R430456	5 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-030				Client Samj Collection I Matrix:		EB-62A ( 7/10/2020 Soil	(2-3) 0 10:50:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW.	3050B)			
Arsenic	121	2.45		mg/Kg-dry	300145	1	07/22/2020 07:55	AJ
PERCENT MOISTURE D2216 Percent Moisture	13.3	0		wt%	R430456	5 1	07/19/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-031				Client Samp Collection D Matrix:		EB-60-N 7/10/2020 Soil	E1 (0-2) 0 10:55:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	8050B)			
Arsenic	12.4	2.10		mg/Kg-dry	300145	1	07/22/2020 07:57	AJ
PERCENT MOISTURE D2216								
Percent Moisture	7.62	0		wt%	R430456	5 1	07/19/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-033				Client Sam Collection I Matrix:		EB-60-W 7/10/2020 Soil	/1 (0-2) 0 10:59:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	12.7	2.16		mg/Kg-dry	300145	1	07/22/2020 07:59	AJ
PERCENT MOISTURE D2216 Percent Moisture	11.5	0		wt%	R430456	õ 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-035				Client Samp Collection D Matrix:		EB-60-SI 7/10/2020 Soil	E1 (0-2) 0 11:14:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	15.6	2.38		mg/Kg-dry	300146	1	07/21/2020 17:07	KB
PERCENT MOISTURE D2216 Percent Moisture	8.23	0		wt%	R430456	5 1	07/19/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-037				Client Samp Collection D Matrix:		EB-60A ( 7/10/2020 Soil	(2-3) 0 11:18:00 AM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	BRL	2.62		mg/Kg-dry	300146	1	07/21/2020 17:09	KB
PERCENT MOISTURE D2216 Percent Moisture	6.77	0		wt%	R430456	5 1	07/19/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc	2					Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-038				Client Samp Collection D Matrix:		EB-60-D 7/10/2020 Soil	UP21 0 11:20:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	8050B)			
Arsenic	14.4	2.61		mg/Kg-dry	300146	1	07/21/2020 17:11	KB
PERCENT MOISTURE D2216 Percent Moisture	12.3	0		wt%	R430456	5 1	07/19/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-039				Client Samp Collection D Matrix:		EB-56-N 7/13/2020 Soil	1 (0-2) 0 10:00:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	8050B)			
Arsenic	50.9	2.91		mg/Kg-dry	300146	1	07/21/2020 17:13	KB
PERCENT MOISTURE D2216 Percent Moisture	23.0	0		wt%	R430456	5 1	07/19/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

					Date:	24-Jul-20	
			Collection D	ate:	7/13/2020	( )	
Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
			(SW3	6050B)			
95.0	2.82		mg/Kg-dry	300146	1	07/21/2020 17:23	KB
22.4	0		wt%	R430459	1	07/20/2020 00:00	JW
-	95.0	Kesuit         Limit           95.0         2.82	ResultReporting LimitQual95.02.82	Result Reporting Qual Units I (SW3 95.0 2.82 mg/Kg-dry	Collection Date: Matrix:       Result     Reporting Limit     Qual     Units     BatchID       95.0     2.82     mg/Kg-dry     300146	Client Sample ID: Collection Date: 7/13/2020 SoilResultReporting UnitsBatchIDDilution 95.02.82mg/Kg-dry3001461	Client Sample ID: Collection Date: Matrix:       EB-56-SE1 (0-2) 7/13/2020 10:08:00 AM Soil         Result       Reporting Limit       Qual       Units       BatchID       Dilution Factor       Date Analyzed         95.0       2.82       mg/Kg-dry       300146       1       07/21/2020 17:23

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-043				Client Samp Collection D Matrix:		EB-56-SV 7/13/2020 Soil	W1 (0-2) 0 10:15:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	73.0	2.36		mg/Kg-dry	300146	1	07/21/2020 17:25	KB
PERCENT MOISTURE D2216 Percent Moisture	11.9	0		wt%	R430456	5 1	07/19/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-045				Client Samp Collection E Matrix:		EB-56A ( 7/13/2020 Soil	(3-4) 0 10:25:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	69.6	2.85		mg/Kg-dry	300146	1	07/21/2020 17:28	KB
PERCENT MOISTURE D2216 Percent Moisture	18.3	0		wt%	R430459	) 1	07/20/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-046				Client Samı Collection I Matrix:		EB-56-D 7/13/2020 Soil	UP22 0 10:30:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW.	3050B)			
Arsenic	58.5	2.97		mg/Kg-dry	300146	1	07/21/2020 17:30	KB
PERCENT MOISTURE D2216 Percent Moisture	22.9	0		wt%	R430456	5 1	07/19/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-047				Client Samp Collection D Matrix:	ate:	EB-55-N 7/10/2020 Soil	1 (0-2) 0 11:40:00 AM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	96.8	2.55		mg/Kg-dry	300146	1	07/21/2020 17:33	KB
PERCENT MOISTURE D2216 Percent Moisture	9.24	0		wt%	R430456	5 1	07/19/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-049				Client Samp Collection D Matrix:		EB-55-SI 7/10/2020 Soil	E1 (0-2) 0 11:49:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	142	2.33		mg/Kg-dry	300146	1	07/21/2020 17:35	KB
PERCENT MOISTURE D2216 Percent Moisture	8.35	0		wt%	R430456	5 1	07/19/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-051				Client Samp Collection D Matrix:		EB-55-SV 7/10/2020 Soil	W1 (0-2) 0 11:59:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	74.3	2.68		mg/Kg-dry	300146	1	07/21/2020 17:37	KB
PERCENT MOISTURE D2216 Percent Moisture	14.2	0		wt%	R430459	) 1	07/20/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, I	nc					Date:	24-Jul-20	
Client:United Consulting Group InProject Name:Atlanta BeltlineLab ID:2007H19-053	с.			Client Samp Collection D Matrix:	ate:	EB-55A ( 7/10/2020 Soil	(3-4) 0 12:10:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	18.0	2.69		mg/Kg-dry	300146	1	07/21/2020 17:39	KB
PERCENT MOISTURE D2216 Percent Moisture	16.1	0		wt%	R430459	1	07/20/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-054				Client Samj Collection I Matrix:		EB-54-N 7/10/2020 Soil	E1 (0-2) 0 12:30:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	55.1	2.72		mg/Kg-dry	300146	1	07/21/2020 17:42	KB
PERCENT MOISTURE D2216 Percent Moisture	15.3	0		wt%	R430459	) 1	07/20/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-056				Client Samp Collection D Matrix:		EB-54-S 7/10/2020 Soil	1 (0-2) 0 12:38:00 PM	
Analyses	Result	Reporting Limit	Qual	<b>Units</b>	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	BRL	2.87		mg/Kg-dry	300146	1	07/22/2020 11:28	KB
PERCENT MOISTURE D2216								
Percent Moisture	21.5	0		wt%	R430459	) 1	07/20/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-058				Client Samp Collection D Matrix:		EB-54-N 7/10/2020 Soil	W1 (0-2) 0 12:42:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	8050B)			
Arsenic	222	2.62		mg/Kg-dry	300146	1	07/21/2020 17:51	KB
PERCENT MOISTURE D2216 Percent Moisture	16.7	0		wt%	R430459	) 1	07/20/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, In	ic					Date:	24-Jul-20	
Client:United Consulting Group IncProject Name:Atlanta BeltlineLab ID:2007H19-060				Client Samp Collection D Matrix:	ate:	EB-54A ( 7/10/2020 Soil	(3-4) 0 12:50:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	BRL	2.65		mg/Kg-dry	300146	1	07/21/2020 16:56	KB
PERCENT MOISTURE D2216 Percent Moisture	15.8	0		wt%	R430459	) 1	07/20/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-061				Client Samp Collection D Matrix:		EB-54DU 7/10/2020 Soil	JP23 ) 12:55:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	8050B)			
Arsenic	BRL	2.90		mg/Kg-dry	300146	1	07/21/2020 17:53	KB
PERCENT MOISTURE D2216 Percent Moisture	18.7	0		wt%	R430459	) 1	07/20/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-062				Client Samp Collection D Matrix:		EB-53-SI 7/10/2020 Soil	E1 (0-2) 0 1:30:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	160	2.65		mg/Kg-dry	300146	1	07/21/2020 17:55	KB
PERCENT MOISTURE D2216 Percent Moisture	16.0	0		wt%	R430459	) 1	07/20/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-064				Client Samp Collection D Matrix:		EB-53-SV 7/10/2020 Soil	W1 (0-2) 0 1:45:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	246	2.42		mg/Kg-dry	300146	1	07/21/2020 17:57	KB
PERCENT MOISTURE D2216 Percent Moisture	14.8	0		wt%	R430459	) 1	07/20/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-066				Client Samp Collection D Matrix:		EB-53-N 7/13/2020 Soil	1 (0-2) 0 1:51:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	51.0	2.74		mg/Kg-dry	300146	1	07/21/2020 18:00	KB
PERCENT MOISTURE D2216	15.0	Â		.0.(	D 400 45			
Percent Moisture	15.2	0		wt%	R430459	) 1	07/20/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-068				Client Sam Collection I Matrix:		EB-53A ( 7/13/2020 Soil	(3-4) 0 11:21:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	57.0	2.18		mg/Kg-dry	300147	1	07/21/2020 11:03	AJ
PERCENT MOISTURE D2216 Percent Moisture	17.7	0		wt%	R430459	) 1	07/20/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-069				Client Samp Collection D Matrix:		EB-51A ( 7/13/2020 Soil	(3-4) 0 12:10:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	360	2.48		mg/Kg-dry	300147	1	07/21/2020 11:06	AJ
PERCENT MOISTURE D2216								
Percent Moisture	24.1	0		wt%	R430459	) 1	07/20/2020 00:00	JW

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

					Date:	24-Jul-20	
		(	Collection <b>E</b>	ate:	7/13/2020		
Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
			(SW:	8050B)			
5.61	2.46		mg/Kg-dry	300147	1	07/21/2020 11:08	AJ
19.1	0		wt%	R430459	1	07/20/2020 00:00	JW
-	5.61	Kesult         Limit           5.61         2.46	ResultReporting LimitQual5.612.46	Result     Reporting Limit     Qual     Units       5.61     2.46     mg/Kg-dry	Collection Date: Matrix:       Result     Reporting Limit     Qual     Units     BatchID       5.61     2.46     mg/Kg-dry     300147	Client Sample ID: Collection Date: 7/13/2020 SoilResultReporting Qual QualUnitsBatchID 	Result       Reporting Limit       Qual       Units       BatchID       EB-51DUP24         5.61       2.46       mg/Kg-dry       300147       1       07/21/2020 11:08

## \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	24-Jul-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007H19-071				Client Samp Collection D Matrix:		EB-51-N 7/13/2020 Soil	W1 (0-2) 0 12:14:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	81.1	1.95		mg/Kg-dry	300147	1	07/21/2020 11:10	AJ
PERCENT MOISTURE D2216 Percent Moisture	7.21	0		wt%	R430459	) 1	07/20/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical En	vironmental Services, Inc						Date:	24-Jul-20	
Client: Project Name: Lab ID:	United Consulting Group Inc. Atlanta Beltline 2007H19-073				Client Samp Collection D Matrix:		EB-51-E 7/13/2020 Soil	1 (0-2) 0 12:21:00 PM	
Analyses		Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TO	TAL SW6010D				(SW3	6050B)			
Arsenic		17.6	2.25		mg/Kg-dry	300147	1	07/21/2020 11:13	AJ
PERCENT M		15.7	0		wt%	R430459	) 1	07/20/2020 00:00	JW

# \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

					Date:	24-Jul-20	
			Collection D		7/13/2020		
Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
			(SW3	050B)			
2.15	1.99		mg/Kg-dry	300147	1	07/21/2020 11:15	AJ
7.24	0		wt%	R430459	1	07/20/2020 00:00	JW
	2.15	Result         Limit           2.15         1.99	ResultReporting LimitQual2.151.99	Collection D Matrix: Result Reporting Qual Units I Limit Qual Units I (SW3 2.15 1.99 mg/Kg-dry	Collection Date: Matrix:       Result     Reporting Limit     Qual     Units     BatchID       2.15     1.99     mg/Kg-dry     300147	Client Sample ID:     EB-51-SV       Collection Date:     7/13/2020       Matrix:     Soil       Result     Reporting Limit     Qual     Units     BatchID     Dilution Factor       2.15     1.99     mg/Kg-dry     300147     1	Client Sample ID:     EB-51-SW1 (0-2)       Collection Date:     7/13/2020 12:29:00 PM       Matrix:     Soil       Result     Reporting Limit     Qual     Units     BatchID     Dilution Factor     Date Analyzed       2.15     1.99     mg/Kg-dry     300147     1     07/21/2020 11:15

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

# Analytical Environmental Services, Inc SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Diluti Fact
Client Sample ID:         EB-74-NI (0-2)           Collection Date:         7/9/2020 1:10:00 PM			Lab ID: Matrix:	2007H19-001 Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic	13.8		2.05	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	11.9		0	wt%	R430456	1
Client Sample ID:         EB-74-SE1 (0-2)           Collection Date:         7/9/2020 1:13:00 PM			Lab ID: Matrix:	2007H19-003 Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic PERCENT MOISTURE D2216	28.0		2.28	mg/Kg-dry	300145	1
Percent Moisture	18.4		0	wt%	R430456	
Client Sample ID:         EB-74-SW1 (0-2)           Collection Date:         7/9/2020 1:18:00 PM			Lab ID: Matrix:	2007H19-005 Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic PERCENT MOISTURE D2216	61.7		2.19	mg/Kg-dry	300145	1
Percent Moisture	14.5		0	wt%	R430456	
Client Sample ID:EB-74A(3-4)Collection Date:7/9/2020 1:23:00 PM			Lab ID: Matrix:	2007H19-007 Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic PERCENT MOISTURE D2216	12.9		2.07	mg/Kg-dry	300145	1
Percent Moisture	13.5		0	wt%	R430456	1
Client Sample ID: EB-74-DUP18			Lab ID:	2007H19-008		
Collection Date:         7/9/2020 1:26:00 PM           METALS         TOTAL         SW(010D)			Matrix:	Soil		
METALS, TOTAL SW6010D	• • •		(SW3050B			
Arsenic	281		2.06	mg/Kg-dry	300145	
PERCENT MOISTURE D2216						
Percent Moisture	12.4		0	wt%	R430456	
Client Sample ID:EB-73-N1Collection Date:7/9/2020 1:30:00 PM			Lab ID: Matrix:	2007H19-009 Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	188		2.40	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	19.2		0	wt%	R430456	
Client Sample ID:EB-73-SE1Collection Date:7/9/2020 1:38:00 PM			Lab ID: Matrix:	2007H19-011 Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic PERCENT MOISTURE D2216	405		2.57	mg/Kg-dry	300145	1
Percent Moisture	19.3		0	wt%	R430456	
Client Sample ID: EB-73-SW1			Lab ID:	2007H19-013		
Collection Date:         7/9/2020 1:41:00 PM			Matrix:	Soil	Page 51 of 6	2

# Analytical Environmental Services, Inc SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Diluti Fact
Client Sample ID:EB-73-SW1Collection Date:7/9/2020 1:41:00 PM			Lab ID: Matrix:	2007H19-013 Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	140		2.19	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	18.1		0	wt%	R430456	1
Client Sample ID: EB-73A (3-4)			Lab ID:	2007H19-015		
Collection Date:         7/9/2020 1:50:00 PM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	556		2.44	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	23.4		0	wt%	R430456	1
Client Sample ID: EB-69-NW1 (0-2)			Lab ID:	2007H19-016		
Collection Date:         7/10/2020 9:50:00 AM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	11.8		2.11	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	16.4		0	wt%	R430456	1
Client Sample ID: EB-69-E1 (0-2)			Lab ID:	2007H19-018		
Collection Date:         7/10/2020 10:05:00 AM			Matrix:	Soil		
PERCENT MOISTURE D2216						
Percent Moisture	20.0		0	wt%	R430456	1
Client Sample ID: EB-69-SW1 (0-2)			Lab ID:	2007H19-020		
Collection Date:         7/10/2020 10:16:00 AM			Matrix:	Soil		
PERCENT MOISTURE D2216				.0.(		
Percent Moisture	18.2		0	wt%	R430456	1
Client Sample ID: EB-69A (2-3)			Lab ID:	2007H19-022		
Collection Date:         7/10/2020 10:18:00 AM           METALS         TOTAL         SW/(010D)			Matrix: (SW3050B	Soil		
METALS, TOTAL SW6010D	2 (2			-	2001.45	
Arsenic	2.63		2.55	mg/Kg-dry	300145	
PERCENT MOISTURE D2216						
Percent Moisture	22.6		0	wt%	R430456	1
Client Sample ID: EB-69-DUP19			Lab ID:	2007H19-023		
Collection Date:         7/10/2020 10:20:00 AM           METALS         TOTAL         SW/(010D)			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B		2001.15	
Arsenic <b>DED</b> CENT MOISTUDE D2216	4.04		2.63	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216	24.5		^		D 400 455	
Percent Moisture	26.7		0	wt%	R430456	1
Client Sample ID:         EB-62-NW1 (0-2)           Client Sample ID:         7/10/2020 10 20 00 4 M			Lab ID:	2007H19-024		
Collection Date:         7/10/2020 10:28:00 AM           METALS         TOTAL         SW/c010D			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	107		2.51	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	22.5		0	wt%	R430456 Page 52 of 6	2

# Analytical Environmental Services, Inc SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilutio Facto
Client Sample ID: EB-62-NE1 (0-2)			Lab ID:	2007H19-026		
Collection Date:         7/10/2020 10:38:00 AM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	3.21		2.13	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	13.6		0	wt%	R430456	1
Client Sample ID: EB-62-S1 (0-2)			Lab ID:	2007H19-028		
Collection Date:         7/10/2020 10:47:00 AM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic	23.5		2.16	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	15.0		0	wt%	R430456	1
Client Sample ID: EB-62A (2-3)			Lab ID:	2007H19-030		
<b>Collection Date:</b> 7/10/2020 10:50:00 AM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic	121		2.45	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	13.3		0	wt%	R430456	1
Client Sample ID: EB-60-NE1 (0-2)			Lab ID:	2007H19-031		
<b>Collection Date:</b> 7/10/2020 10:55:00 AM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B	)		
Arsenic	12.4		2.10	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	7.62		0	wt%	R430456	1
Client Sample ID: EB-60-W1 (0-2)			Lab ID:	2007H19-033		
Collection Date: 7/10/2020 10:59:00 AM			Lab ID: Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	12.7		2.16	mg/Kg-dry	300145	1
PERCENT MOISTURE D2216						
Percent Moisture	11.5		0	wt%	R430456	1
Client Sample ID:         EB-60-SE1 (0-2)           Collection Date:         7/10/2020 11:14:00 AM			Lab ID: Matrix:	2007H19-035 Soil		
METALS, TOTAL SW6010D			(SW3050B			
Arsenic	15.6		2.38	mg/Kg-dry	300146	1
PERCENT MOISTURE D2216				00.1	2001.0	1
Percent Moisture	8.23		0	wt%	R430456	1
	0.20				10.00100	ĺ
Client Sample ID:         EB-60A (2-3)           Collection Date:         7/10/2020 11:18:00 AM			Lab ID: Matrix:	2007H19-037 Soil		
PERCENT MOISTURE D2216				5011		
Percent Moisture	6.77		0	wt%	R430456	1
	0.77				10-50-50	1
Client Sample ID: EB-60-DUP21			Lab ID: Matrixe	2007H19-038		
Collection Date:7/10/2020 11:20:00 AMMETALS, TOTALSW6010D			Matrix: (SW3050B	Soil		
	144				200146	1
Arsenic	14.4		2.61	mg/Kg-dry	300146 Page 53 of 6	1 2

# Analytical Environmental Services, Inc

**Date:** 24-Jul-20

# SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilutio Facto
Client Sample ID:         EB-60-DUP21           Collection Date:         7/10/2020 11:20:00 AM			Lab ID: Matrix:	2007H19-038 Soil		
PERCENT MOISTURE D2216						
Percent Moisture	12.3		0	wt%	R430456	1
Client Sample ID:         EB-56-N1 (0-2)           Collection Date:         7/13/2020 10:00:00 AM			Lab ID: Matrix:	2007H19-039 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	50.9		2.91	mg/Kg-dry	300146	1
Percent Moisture	23.0		0	wt%	R430456	1
Client Sample ID:         EB-56-SE1 (0-2)           Collection Date:         7/13/2020 10:08:00 AM			Lab ID: Matrix:	2007H19-041 Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic PERCENT MOISTURE D2216	95.0		2.82	mg/Kg-dry	300146	1
Percent Moisture	22.4		0	wt%	R430459	1
Client Sample ID:         EB-56-SW1 (0-2)           Collection Date:         7/13/2020 10:15:00 AM			Lab ID: Matrix:	2007H19-043 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	73.0		2.36	mg/Kg-dry	300146	1
Percent Moisture	11.9		0	wt%	R430456	1
Client Sample ID:         EB-56A (3-4)           Collection Date:         7/13/2020 10:25:00 AM			Lab ID: Matrix:	2007H19-045 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	69.6		2.85	mg/Kg-dry	300146	1
Percent Moisture	18.3		0	wt%	R430459	1
Client Sample ID:EB-56-DUP22Collection Date:7/13/2020 10:30:00 AM			Lab ID: Matrix:	2007H19-046 Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic PERCENT MOISTURE D2216	58.5		2.97	mg/Kg-dry	300146	1
Percent Moisture	22.9		0	wt%	R430456	1
Client Sample ID:         EB-55-N1 (0-2)           Collection Date:         7/10/2020 11:40:00 AM			Lab ID: Matrix:	2007H19-047 Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic	96.8		2.55	mg/Kg-dry	300146	1
PERCENT MOISTURE D2216						
Percent Moisture	9.24		0	wt%	R430456	1
			Lab ID:	2007H19-049		
Client Sample ID: EB-55-SE1 (0-2)						
Client Sample ID:         EB-55-SE1 (0-2)           Collection Date:         7/10/2020 11:49:00 AM			Matrix:	Soil		
			Matrix: (SW3050B)			

# Analytical Environmental Services, Inc

**Date:** 24-Jul-20

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Diluti Facto
Client Sample ID:         EB-55-SE1 (0-2)           Collection Date:         7/10/2020 11:49:00 AM			Lab ID: Matrix:	2007H19-049 Soil		
PERCENT MOISTURE D2216						
Percent Moisture	8.35		0	wt%	R430456	1
Client Sample ID:         EB-55-SW1 (0-2)           Collection Date:         7/10/2020 11:59:00 AM			Lab ID: Matrix:	2007H19-051 Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic PERCENT MOISTURE D2216	74.3		2.68	mg/Kg-dry	300146	1
Percent Moisture	14.2		0	wt%	R430459	1
Client Sample ID:         EB-55A (3-4)           Collection Date:         7/10/2020 12:10:00 PM			Lab ID: Matrix:	2007H19-053 Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic PERCENT MOISTURE D2216	18.0		2.69	mg/Kg-dry	300146	1
Percent Moisture	16.1		0	wt%	R430459	1
Client Sample ID:         EB-54-NE1 (0-2)           Collection Date:         7/10/2020 12:30:00 PM			Lab ID: Matrix:	2007H19-054 Soil		
METALS, TOTAL SW6010D			(SW3050B)	1		
Arsenic PERCENT MOISTURE D2216	55.1		2.72	mg/Kg-dry	300146	1
Percent Moisture	15.3		0	wt%	R430459	1
Client Sample ID:         EB-54-S1 (0-2)           Collection Date:         7/10/2020 12:38:00 PM			Lab ID: Matrix:	2007H19-056 Soil		
PERCENT MOISTURE D2216						
Percent Moisture	21.5		0	wt%	R430459	1
Client Sample ID:         EB-54-NW1 (0-2)           Collection Date:         7/10/2020 12:42:00 PM			Lab ID: Matrix:	2007H19-058 Soil		
METALS, TOTAL SW6010D			(SW3050B)	1		
Arsenic PERCENT MOISTURE D2216	222		2.62	mg/Kg-dry	300146	1
Percent Moisture	16.7		0	wt%	R430459	1
Client Sample ID:         EB-54A (3-4)           Collection Date:         7/10/2020 12:50:00 PM			Lab ID: Matrix:	2007H19-060 Soil		
PERCENT MOISTURE D2216						
Percent Moisture	15.8		0	wt%	R430459	1
Client Sample ID:         EB-54DUP23           Collection Date:         7/10/2020 12:55:00 PM			Lab ID: Matrix:	2007H19-061 Soil		
PERCENT MOISTURE D2216						
Percent Moisture	18.7		0	wt%	R430459	1
Client Sample ID: EB-53-SE1 (0-2)			Lab ID:	2007H19-062		
<b>Collection Date:</b> 7/10/2020 1:30:00 PM			Matrix:	Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic	160		2.65	mg/Kg-dry	300146 Page 55 of 6	1 2

# Analytical Environmental Services, Inc

**Date:** 24-Jul-20

SUMMARY C	OF ANALYTES	DETECTED
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Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilutio Facto
Client Sample ID:         EB-53-SE1 (0-2)           Collection Date:         7/10/2020 1:30:00 PM			Lab ID: Matrix:	2007H19-062 Soil		
PERCENT MOISTURE D2216						
Percent Moisture	16.0		0	wt%	R430459	1
Client Sample ID:         EB-53-SW1 (0-2)           Collection Date:         7/10/2020 1:45:00 PM			Lab ID: Matrix:	2007H19-064 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	246		2.42	mg/Kg-dry	300146	1
Percent Moisture	14.8		0	wt%	R430459	1
Client Sample ID:         EB-53-N1 (0-2)           Collection Date:         7/13/2020 1:51:00 PM			Lab ID: Matrix:	2007H19-066 Soil		
METALS, TOTAL SW6010D			(SW3050B)			
Arsenic PERCENT MOISTURE D2216	51.0		2.74	mg/Kg-dry	300146	1
Percent Moisture	15.2		0	wt%	R430459	1
Client Sample ID:         EB-53A (3-4)           Collection Date:         7/13/2020 11:21:00 AM			Lab ID: Matrix:	2007H19-068 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	57.0		2.18	mg/Kg-dry	300147	1
Percent Moisture	17.7		0	wt%	R430459	1
Client Sample ID:         EB-51A (3-4)           Collection Date:         7/13/2020 12:10:00 PM			Lab ID: Matrix:	2007H19-069 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	360		2.48	mg/Kg-dry	300147	1
Percent Moisture	24.1		0	wt%	R430459	1
Client Sample ID:         EB-51DUP24           Collection Date:         7/13/2020 12:12:00 PM			Lab ID: Matrix:	2007H19-070 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	5.61		2.46	mg/Kg-dry	300147	1
Percent Moisture	19.1		0	wt%	R430459	1
Client Sample ID:         EB-51-NW1 (0-2)           Collection Date:         7/13/2020 12:14:00 PM			Lab ID: Matrix:	2007H19-071 Soil		
METALS, TOTAL SW6010D			(SW3050B)	)		
Arsenic PERCENT MOISTURE D2216	81.1		1.95	mg/Kg-dry	300147	1
Percent Moisture	7.21		0	wt%	R430459	1
Client Sample ID:         EB-51-E1 (0-2)           Client Sample ID:         5//2020 12 01 00 PM			Lab ID: Matrix:	2007H19-073 Soil		
<b>Collection Date:</b> 7/13/2020 12:21:00 PM						
Collection Date:7/13/2020 12:21:00 PMMETALS, TOTALSW6010D			(SW3050B)	)		

Date: 24-Jul-20

# Analytical Environmental Services, Inc SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor		
Client Sample ID:         EB-51-E1 (0-2)           Collection Date:         7/13/2020 12:21:00 PM           PERCENT MOISTURE         D2216			Lab ID: Matrix:	2007H19-073 Soil				
Percent Moisture	15.7		0	wt%	R430459	1		
Client Sample ID:         EB-51-SW1 (0-2)           Collection Date:         7/13/2020 12:29:00 PM			Lab ID: Matrix:	2007H19-075 Soil				
METALS, TOTAL SW6010D	(SW3050B)							
Arsenic PERCENT MOISTURE D2216	2.15		1.99	mg/Kg-dry	300147	1		
Percent Moisture	7.24		0	wt%	R430459	1		

Qualifiers:

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit



29. Containers meet preservation guidelines?30. Was pH adjusted at Sample Receipt?

### SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name:				AES Work Order Numbe	r:
2. Carrier: FedEx 🗌 UPS 🗌 USPS 🗌 Client 🗌 Courier 🗌 Other					
	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged 🗌 leaking 🗌 other	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for 7.				Cooling initiated for recently collected samples / ice	
temperature recordings.]				present 🗌	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
0. Sampler name and/or signature on COC?					
1. Were all samples received within holding time?					
2. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Te	erms & Conditions.
.3. Cooler 1 Temperature °C Cooler 2 Temperature		(	°C	Cooler 3 Temperature °C Coole	er 4 Temperature °C
Cooler 5 Temperature °C Cooler 6 Temperature		(	°C	Cooler 7 Temperature °C Coole	er 8 Temperature °C
5. Comments:					
				i certity that i have co	mpleted sections 1-15 (dated initials).
	Yes	No	N/A	Details	Comments
6. Were sample containers intact upon receipt?					
7. Custody seals present on sample containers?					
8. Custody seals intact on sample containers?					
9. Do sample container labels match the COC?					
				incomplete info 🗌 illegible 🗌	
				incomplete info illegible no label other	
0. Are analyses requested indicated on the COC?					
0. Are analyses requested indicated on the COC?				no label other	
0. Are analyses requested indicated on the COC? 1. Were all of the samples listed on the COC received?				no label	
<ol> <li>Are analyses requested indicated on the COC?</li> <li>Were all of the samples listed on the COC received?</li> <li>Was the sample collection date/time noted?</li> <li>Did we receive sufficient sample volume for indicated analyses?</li> </ol>				no label	
<ol> <li>Are analyses requested indicated on the COC?</li> <li>Were all of the samples listed on the COC received?</li> <li>Was the sample collection date/time noted?</li> <li>Did we receive sufficient sample volume for indicated analyses?</li> <li>Were samples received in appropriate containers?</li> </ol>				no label	
<ol> <li>Are analyses requested indicated on the COC?</li> <li>Were all of the samples listed on the COC received?</li> <li>Was the sample collection date/time noted?</li> <li>Did we receive sufficient sample volume for indicated analyses?</li> <li>Were samples received in appropriate containers?</li> </ol>				no label	
<ul> <li>19. Do sample container labels match the COC?</li> <li>10. Are analyses requested indicated on the COC?</li> <li>11. Were all of the samples listed on the COC received?</li> <li>12. Was the sample collection date/time noted?</li> <li>13. Did we receive sufficient sample volume for indicated analyses?</li> <li>14. Were samples received in appropriate containers?</li> <li>15. Were VOA samples received without headspace (&lt; 1/4" bubble)?</li> <li>16. Were trip blanks submitted?</li> </ul>				no label	
<ul> <li>Are analyses requested indicated on the COC?</li> <li>Are analyses requested indicated on the COC?</li> <li>Were all of the samples listed on the COC received?</li> <li>Was the sample collection date/time noted?</li> <li>Did we receive sufficient sample volume for indicated analyses?</li> <li>Were samples received in appropriate containers?</li> <li>Were VOA samples received without headspace (&lt; 1/4" bubble)?</li> </ul>				no label	
<ul> <li>Are analyses requested indicated on the COC?</li> <li>Are analyses requested indicated on the COC?</li> <li>Were all of the samples listed on the COC received?</li> <li>Was the sample collection date/time noted?</li> <li>Did we receive sufficient sample volume for indicated analyses?</li> <li>Were samples received in appropriate containers?</li> <li>Were VOA samples received without headspace (&lt; 1/4" bubble)?</li> <li>Were trip blanks submitted?</li> </ul>				no label	mpleted sections 16-27 (dated initials).
<ul> <li>Are analyses requested indicated on the COC?</li> <li>Are analyses requested indicated on the COC?</li> <li>Were all of the samples listed on the COC received?</li> <li>Was the sample collection date/time noted?</li> <li>Did we receive sufficient sample volume for indicated analyses?</li> <li>Were samples received in appropriate containers?</li> <li>Were VOA samples received without headspace (&lt; 1/4" bubble)?</li> <li>Were trip blanks submitted?</li> </ul>	Yes	No	N/A	no label	mpleted sections 16-27 (dated initials).

I certify that I have completed sections 28-30 (dated initials).

**Date:** 24-Jul-20

Client:United Consulting Group Inc.Project Name:Atlanta BeltlineWorkorder:2007H19

# ANALYTICAL QC SUMMARY REPORT

#### BatchID: 300145

Sample ID: MB-300145	Client ID:				Uni	its: mg/Kg	Pre	Date: 07/	20/2020	Run No: 4	30703
SampleType: MBLK	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300145	Ana	lysis Date: 07/	22/2020	Seq No: 9	0769252
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD I	Limit Qual
Arsenic	BRL	2.50									
Sample ID: LCS-300145	Client ID:				Uni	its: mg/Kg	Pre	Date: 07/	20/2020	Run No: 4	130703
SampleType: LCS	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300145	Ana	lysis Date: 07/	22/2020	Seq No: 9	0769253
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD I	Limit Qual
Arsenic	45.63	2.50	50.00		91.3	80	120				
Sample ID: 2007H19-016AMS	Client ID:	EB-69-NW1 (0-2)			Uni	its: mg/Kg-	dry Pre	Date: 07/	20/2020	Run No: 4	30703
SampleType: MS	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300145	Ana	lysis Date: 07/	22/2020	Seq No: 9	0769255
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD I	Limit Qual
Arsenic	42.02	2.11	42.27	11.84	71.4	70	125				
Sample ID: 2007H19-016AMSD	Client ID:	EB-69-NW1 (0-2)			Uni	its: mg/Kg-	dry Pre	Date: 07/	20/2020	Run No: 4	30703
SampleType: MSD	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300145	Ana	lysis Date: 07/	22/2020	Seq No: 9	0769256
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD I	Limit Qual
Arsenic	43.49	2.11	42.25	11.84	74.9	70	125	42.02	3.43	20	)

ater than Result value
2

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix

- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

24-Jul-20 Date:

**Client:** United Consulting Group Inc. **Project Name:** Atlanta Beltline Workorder: 2007H19

# ANALYTICAL QC SUMMARY REPORT

### BatchID: 300146

Sample ID: MB-300146 SampleType: MBLK	Client ID: TestCode:	METALS, TOTAL SW6	)10D		Uni Bat	ts: <b>mg/Kg</b> chID: <b>300146</b>		Date:         07/20           lysis Date:         07/21		Run No: <b>43069</b> Seq No: <b>976909</b>	
Analyte	Result	RPT Limit S	PK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									
Sample ID: LCS-300146 SampleType: LCS	Client ID: TestCode:	METALS, TOTAL SW60	)10D		Uni Bat	ts: <b>mg/Kg</b> chID: <b>300146</b>		Date:         07/20           lysis Date:         07/21		Run No:         430697           Seq No:         976909	
Analyte	Result	RPT Limit S	PK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.86	2.50	50.00		93.7	80	120				
Sample ID: 2007H19-060AMS SampleType: MS	Client ID: TestCode:	EB-54A (3-4) METALS, TOTAL SW60	)10D		Uni Bate	ts: <b>mg/Kg-</b> chID: <b>300146</b>		Date:         07/20           lysis Date:         07/21		Run No:         430697           Seq No:         976910	
Analyte	Result	RPT Limit S	PK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	41.94	2.66	53.21	0.6511	77.6	75	125				
Sample ID: 2007H19-060AMSD SampleType: MSD		EB-54A (3-4) METALS, TOTAL SW60	)10D		Uni Bat	ts: <b>mg/Kg-</b> chID: <b>300146</b>		Date:         07/20           lysis Date:         07/21		Run No:         430697           Seq No:         976910	
Analyte	Result	RPT Limit S	PK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:	>	Greater than Result value
	BRL	Below reporting limit
	J	Estimated value detected below Reporting Limit

Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

E Estimated (value above quantitation range)

- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix

- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

<sup>&</sup>lt; Less than Result value

24-Jul-20 Date:

**Client:** United Consulting Group Inc. **Project Name:** Atlanta Beltline Workorder: 2007H19

# ANALYTICAL QC SUMMARY REPORT

### BatchID: 300147

Sample ID: <b>MB-300147</b> SampleType: <b>MBLK</b>	Client ID: TestCode:	METALS, TOTAL SV	V6010D		Un Bat	its: mg/Kg tchID: 300147		p Date: alysis Date:	07/20/2020	Run No: 43 Seq No: 97	
Sample Type. WIDER	resteode.				Da	JUILD: 500147	All	arysis Date.	07/21/2020	Seq No. 77	00050
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	Val %RPD	RPD Li	mit Qual
Arsenic	BRL	2.50									
Sample ID: LCS-300147	Client ID:				Un	its: mg/Kg	Pre	p Date:	07/20/2020	Run No: 43	0581
SampleType: LCS	TestCode:	METALS, TOTAL SV	V6010D		Bat	tchID: 300147	An	alysis Date:	07/21/2020	Seq No: 97	66859
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	Val %RPD	RPD Li	mit Qual
Arsenic	46.60	2.50	50.00	0.8135	91.6	80	120				
Sample ID: 2007F08-003CMS	Client ID:				Un	its: mg/Kg-	dry Pre	p Date:	07/20/2020	Run No: 43	0581
SampleType: MS	TestCode:	METALS, TOTAL SV	V6010D		Bat	tchID: 300147	An	alysis Date:	07/21/2020	Seq No: 97	66861
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	Val %RPD	RPD Li	mit Qual
Arsenic	39.75	2.49	49.72	1.008	77.9	75	125				
Sample ID: 2007F08-003CMSD	Client ID:				Un	its: mg/Kg-	dry Pre	p Date:	07/20/2020	Run No: 43	0581
SampleType: MSD	TestCode:	METALS, TOTAL SV	V6010D		Bat	tchID: 300147	An	alysis Date:	07/21/2020	Seq No: 97	66863
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	Val %RPD	RPD Li	mit Qual
Arsenic	40.11	2.49	49.71	1.008	78.7	75	125	39.75	0.889	20	

Qualifiers:	>	Greater than Result value
	BRL	Below reporting limit
	J	Estimated value detected below Reporting Limit

Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

Н Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

End of Report

# **ANALYTICAL ENVIRONMENTAL SERVICES, INC.**



August 03, 2020

Spencer Cox United Consulting Group Inc.

625 Holcomb Bridge Rd Norcross GA 30071

RE: Atlanta Beltline

Dear Spencer Cox:

Analytical Environmental Services, Inc. received for the analyses presented in following report.

samples on 7/27/2020 12:00:00 AM

Order No:

2007P92

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES's accreditations are as follows:

17

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/20-06/30/21.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/20 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/21.

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

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

Sincerely,

IDana) Pacurar

Ioana Pacurar Project Manager

NE MPA	<ul> <li>3080 Presidential Parkway, Atlan</li> <li>TEL.: (770) 457-8177 / TOLL-FF</li> <li>NY:</li> </ul>		800) 97	2-4889 / FAX				1949	ji ji ji				1		<u>) ((</u>	. 20 Page of	<u> </u>
	UNITED CONSULTING			625 HOLCO NORCROS 770-209-002	S, GEC	RGIA	30071			ANAL	YSIS RE	QUES				Visit our website <u>www.aesatlanta.com</u> to	
NE	770-842-8956	FAX:		7	70-58	2-290	0		ene				tals			check on the status of your results, place bottle orders, etc.	£
PL.	ED BY: Spencer Cox	SIGNA	TURE	SAUF	TA.	2	-	.9	Benzo(a)Pyrene	ene		S	RCRA-8 Metals				ners
T			C SAM			ite	es)	Arsenic	Benz	Benzene	VOCs	SVOCS	RCR.	TCLP	НОГР		Contaí
	SAMPLE ID		ATE.	TIME	Grab	Composite	Matrix (See codes)		PI	RESER	VATION	I (See	code	s)		REMARKS	No # of Containers
	EB-74-NI (0-2)			11ME	Ň		50	X									
	EB-74-N2 (0-2)			13:12	$\geq$			X							$\mathbf{X}$		1
	EB-74-SEI (0-2)			13:13	$\frown$			X									1
	EB-74-5E2 (0.2)	ļ		13:14	$\square$			X							Х		
1	EB-74-5WI (0-2)	I		13:14	$\triangleright$			<u> X</u>				·			_		
4	EB-74-5W2 (0-2)			13:21	$\square$		$\square$	X							Х		
4	EB-74A (3-4)			13:25	$\triangleright$			X					·				
+	E8-74-DUP18			13:20	$\triangleright$			Ŕ				ļ					<u> </u>
+	EB-73-NI			13:30			$\left  \right $	铃							$\overline{\mathbf{x}}$		
4	EB-73-N2			13:83	$\vdash$			łŞ	┞──┦						A		
╉	EB-13-5E1			13:38	$\triangleright$			长	$\left  - \right $	$\rightarrow$	_				$\sim$		<u> </u>
╉	<u>EB-73-562</u>			13:39	$\geq$			Ю							$\sim$		
╉	EB-73-6W1		┨────	13:41	$\triangleright$			长		_	···				$\mathbf{\nabla}$		$\left  \cdot \right $
+	<u>EB-73-5W2</u>		20	13:42		<b> </b>	$\vdash$	坽					<b> </b>		$\sim$		┝╌┨
┥	EB-73A (3-4)	_	0 20	13:50	$\triangleright$		$\left  \right $	彀				$\frac{1}{1}$					
╉	EB-109-NW1 (0.2) EB-69-NN2 (0.2)	41	0 20	9:50 9:52	$ \leftarrow $		++	॑॑				-			$\overline{\checkmark}$		
╉	EB-69-E1 (0.2)	- 1		(0:05	$ \subset $			쉱					$\square$		$\sim$		1
╡	EB-64-E2 (0-2)			10:07	<	1		X				1	<u> </u>		X	· · · · · · · · · · · · · · · · · · ·	1-
┫	EB-149 - 5WI (0-2)			10.14				ΪX				$\mathbf{T}$	1		<u> </u>		i.
┨	EB-109-SW2(0-2)			10117	$ \land $			X					1.		X		1
1	EB- 69 A (2-3)		İ	10:18		t		ľΧ									1
1	EB-69-DUPI9			10:20	$ \land$			X			1						1
	EB-UZ-NWI (0-2)			10:28		I		X									t
	EB-62-NW2 (0-2)			10:31				X							X		1
	EB-102 - NE1 (0.2)			10:38	$\sum$			X									1
	EB-102 - NE2 (0-2)			10:39	$\searrow$			X						<u> </u>			
	EB-102 - 51 (0-2)			10:47	$\geq$			$ \times$						ļ			
	EB-62-52 (0-2)			10:49	$\triangleright$	ļ		X						<u> </u>	X		
	EB-102A (2-3)		ļ	10:50	$\square$	<u> </u>		X				ļ					
	EB-10-NEI (0.2)	<u> </u>	ļ	10155	$\frown$	↓		X	ŀ			ļ					1
_	EB-60 - NE2 (0.2)		ļ	10:57	$\square$	4		$\downarrow X$	ļ				<u> </u>	<u> </u>	X		1
	EB-100 - WI (0-2)		<b> </b>	10.59	$\vdash$	╡		ЦX	·	$\vdash$				_	L	,	11
_	EB-40-W2 (0-2)	-	1	11:05	$\vdash$	┥		-K	, <b> </b>	-			<b>_</b>		ľХ	·	
	EB-60 - 5E1 (0-2) QUISINET , DATE		0 20			<b>.</b>	So DATE/TIN	ĻĂ	1 (1)39/00		ECT INF	0.22		 #1999	 	RECEIPT	<b>   </b>  ::::::::::::::::::::::::::::::::::
uN	QUISING DATENT	I:	AVEDB	- U	7		16/20	_	JECT	NAME.	9-10-10-	Atlar	a de la com		•	Total # of Containers	36
	7/16/2	2:		~	K	13	<u>5 : 10 _</u>	1797. 	JECT	<b>4</b> .		o-GA-0	an Alan	1.190	ig an A	Turnaround Time Request	
	- m - 13:10			- Cl	b_	밚	10/20		10111021	#: RESS:			Atlant			Standard 5 Business Days	
	(/	3:	P	n c	4/110	20	17:12	SEN	ID REF	PORTT	0:	Sper	icer Co	X		2 Business Day Rush Next Business Day Rush	
сı	AL INSTRUCTIONS/COMMENTS:	$\dagger t$	19	SHIPMEN			1176		OICE							Same Day Rush (auth req	.)
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	SEGMENT 3	IN	CLIEN	/ FedEx UI	VIA:		DICD									STATE PROGRAM (if any):	-
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MPA	S TEL.: (770) 457-8177 / TOLL-FR	EE (80 ADDRE	00) 972							4 N f A T	Vere	REC	UEST		te:	μø T	120 Page 2 of	3	
	UNITED CONSULTING			625 HOLCO NORCROS 770-209-0029	S. GEC	RGIA	30071		Grop <b>-</b>								Visit our website <u>www.aesatlanta.com</u> to heck on the status of your		
ONE	770-842-8956	FAX:		$\overline{}$	70-582	2-290	0		lene					itals		r	esults, place bottle orders, etc.		2
MPL	ED BY: Spencer Cox	SIGNA	TURE:	C/S		/			Benzo(a)Pyrene	e			5	RCRA-8 Metals					ers
			X	A				Arsenic	enzo	Benzene		vocs	SVOCS	RCRA		3			No # of Containers
₽	SAMPLE ID		SAME	PLED	v	Composite	Matrix (See codcs)	×					(See		- 13	-			l of C
		DA	TE	TIME	Grab	Comp	Matri (See										REMARKS		ŝ
	EB-60-5122(0-2)			בוסוך ב			50	X								$\triangleleft$		1	
2	EB-00A(2-3)	_		77/10/20				X											
3	E8-60-00P21	11:5	20 -	77/10/20	$\square$	ļ		X								+			
4	FB-510-N1(0-2)	3/17	3 20	10:00	$\square$	ļ		ŢΧ								+			
5	FB-510-NTL (0-2)	7/1	3/20	10:01	$\geq$	Ļ	+	- <del> </del> ð					┝─┤	-+	+	4		$\left  \begin{array}{c} 1 \\ 1 \end{array} \right $	
6	EB-510-5E1 (0-2)			10:08	$\geq$	┨───	┼╌╂╴	+3	$\vdash$	<b> </b>			$\left  - \right $		+	Ⅎ		+	
7	EB-56-52 (0-2)			10104	$\geq$	╄	+	−ŧð							+	4			
8	EQ-510-5101 (0-2)	ļ		10115	$\geq$	+	+	TŶ	4'						一	1			/ 
9	EB-5(1-5W2(0-2)			10:17	$\sim$	<u>+</u>		「兌							1	1		1	
10	EB-56-6-24) EB-56-2022	21.	5/20	(0:30	$ \triangleleft$	┿───	+	Ŕ	+					$\neg$	$\top$		-	1	
11 12	EB-65-N110-2)	710		10:40	$\overline{\mathbf{n}}$	1		X											
12 13	EB-55-N2 (0.2)		<u></u>	11:45		1		X							ļ	X			
14	EB-55-5E1 (0-2)			18:49	$\sum$	<u> </u>		X	<u> </u>	ļ									Ļ
15	ED-55-522 (0-2)			11:55	$\triangleright$			X	<u> </u>	<u> </u>						X			L
16	EB-55-5WI (0-2)			11:54		<b>_</b>	$\downarrow$ $\downarrow$	_ <u> </u> ×	-				<u> </u>					+-'	ļ
17	EB-55-5W2(0.2)	<u> </u>		12:08	$\triangleright$	┥	+	-K		┨──				$\vdash$		$\Delta$			1
18	EB-55A (3-4)			12:10	$ \ge $	┥	┿╾╋	长						$\left  - \right $			· ·	+-	<u>ì</u>
19	EB-54-NEI (D-2)			12:30	$ \geq $	≤	┼┼	┤ᡬ	<u>}</u>	+			<u> </u>			$\overline{\mathbf{X}}$			1
20	EB-54-NE2 (0-2)	+	+	12:35	$\mathbf{k}$		┼╌╂	Ťx	:	+	1								L
21	EB-54-51 (0-2) EB-54-52 (0-3)		+	12:34	$\succ$	1		ŤΧ							1	$\overline{X}$			1
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24	EB-94-NN2 (0-2)			12.47	K	1		X	·							X		_	1
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28	EB-535E2 (0-2)			13:35	N	┥		╶╎╯				+	+	-		$\frown$		+	1
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30	EB-53-5W2(0-2)		3/20		$\prec$	+-	+	-15	<u>रे</u>	+	+	1		1					Ì
31	EB-53-NI (0-2) EB-53-N2 (0-2)		13/20		$\prec$	1		-ľs	<u>i</u>	+	1	T	1	1		7			l
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	SEGMENT 3		CLIE	<u> </u>	VI UPS M												E-mail? Y/N; Fax? Y/		

E	3080 Presidential Parkway, Atlan TEL.: (770) 457-8177 / TOLL-FR	EE (800) 97	72-4889 / FAX	(770)	457-81	88							Date	:	Page 3 of	3
ΛP /	UNITED CONSULTING	ADDRESS:	625 HOLCO NORCROS	S. GEO	RGIA 3	30071		-	ANAL	YSIS I	REQU	ESTEI	> 		Visit our website www.aesatlanta.com to	
ONE		FAX:	770-209-002	9 FAX: 70-582				æ							check on the status of your results, place bottle orders,	
	//0-842-8956	SIGNATURE	A		-2900	, 		Benzo(a)Pyrene				RCRA-8 Metals			etc.	
- T	ED BY: Spencer Cox		Xà	$\mathbb{A}$			Arsenic	nzo(a)	Benzene	Ę	SVOCs SVOCs	RA-8	TOLP	НОГР		No # of Containers
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1	EB-51-NNI (0-2)	7 13 20	12:14	$\leq$		50	X									1
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3	EB-51 - EI (0-2)		12:21	$\geq$	•		Ŕ					_				
4	EB-51- E2 (0-2)	<u>      </u>	12:28	$\sum$		_ <b> </b>	X							+X		
5	EB-B1-521 (0-2)		12:29				₩			_	+			॑		
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# Analytical Environmental Services, Inc

Client:United Consulting Group Inc.Project:Atlanta BeltlineLab ID:2007P92

3-Aug-20

**Case Narrative** 

Date:

Additional Testing:

At the request of Spencer Cox with United Consulting via e-mail on 7/27/20 all samples listed below were analyzed for Total Arsenic from AES work order 2007H19:

2007H19-006A - EB-74-SW2 (0-2) 2007H19-010A - EB-73-N2 2007H19-012A - EB-73-SE2 2007H19-014A - EB-73-SW2 2007H19-025A - EB-62-NW2 (0-2) 2007H19-040A - EB-56-N2 (0-2) 2007H19-042A - EB-56-SE2 (0-2) 2007H19-044A - EB-56-SW2 (0-2) 2007H19-048A - EB-55-N2 (0-2) 2007H19-050A - EB-55-SE2 (0-2) 2007H19-052A - EB-55-SW2 (0-2) 2007H19-055A - EB-54-NE2 (0-2) 2007H19-059A - EB-54-NW2 (0-2) 2007H19-063A - EB-53-SE2 (0-2) 2007H19-065A - EB-53-SW2 (0-2) 2007H19-067A - EB-53-N2 (0-2) 2007H19-072A - EB-51-NW2 (0-2)

Analytical Environmental Service	s, Inc					Date:	3-Aug-20		
Client:United Consulting GroupProject Name:Atlanta BeltlineLab ID:2007P92-001	p Inc.		(	Client Samp Collection D Matrix:		EB-74-S 7/9/2020 Soil	V2 (0-2) 1:21:00 PM		
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst	
METALS, TOTAL SW6010D				(SW3	050B)				
Arsenic	295	2.59		mg/Kg-dry	300553	1	07/31/2020 10:29	AJ	
PERCENT MOISTURE D2216									
Percent Moisture	13.5	0		wt%	R431045	1	07/28/2020 00:00	JW	

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-002				Client Samp Collection D Matrix:		EB-73-N 7/9/2020 Soil	2 1:33:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	35.4	2.73		mg/Kg-dry	300553	1	07/31/2020 10:32	AJ
PERCENT MOISTURE D2216 Percent Moisture	19.9	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-003				Client Sam Collection I Matrix:	<b>1</b>	EB-73-SI 7/9/2020 Soil	E2 1:39:00 PM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW	3050B)			
Arsenic	48.9	2.79		mg/Kg-dry	300553	1	07/31/2020 10:39	AJ
PERCENT MOISTURE D2216 Percent Moisture	17.6	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-004				Client Samp Collection D Matrix:		EB-73-S 7/9/2020 Soil	W2 1:42:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	13.4	2.58		mg/Kg-dry	300553	1	07/31/2020 10:17	AJ
PERCENT MOISTURE D2216 Percent Moisture	19.0	0		wt%	R431045	5 1	07/28/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit

- H Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- Spike Recovery outside limits due to matrix S
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-005				Client Samp Collection D Matrix:		EB-62-N 7/10/2020 Soil	W2 (0-2) 0 10:31:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	274	2.80		mg/Kg-dry	300553	1	07/31/2020 10:41	AJ
PERCENT MOISTURE D2216 Percent Moisture	19.4	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-006				Client Samp Collection D Matrix:	ate:	EB-56-N2 7/13/2020 Soil	2 (0-2) ) 10:01:00 AM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	9.05	2.94		mg/Kg-dry	300553	1	07/31/2020 10:43	AJ
PERCENT MOISTURE D2216 Percent Moisture	27.4	0		wt%	R431045	5 1	07/28/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-007				Client Samp Collection D Matrix:		EB-56-SI 7/13/2020 Soil	E2 (0-2) 0 10:09:00 AM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	8.96	2.69		mg/Kg-dry	300553	1	07/31/2020 10:50	AJ
PERCENT MOISTURE D2216 Percent Moisture	16.5	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-008				Client Samp Collection D Matrix:		EB-56-SV 7/13/2020 Soil	W2 (0-2) 0 10:17:00 AM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	14.2	2.66		mg/Kg-dry	300553	1	07/31/2020 10:53	AJ
PERCENT MOISTURE D2216 Percent Moisture	16.0	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-009				Client Samp Collection D Matrix:		EB-55-N 7/10/2020 Soil	2 (0-2) 0 11:45:00 AM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	282	2.39		mg/Kg-dry	300553	1	07/31/2020 10:55	AJ
PERCENT MOISTURE D2216 Percent Moisture	13.3	0		wt%	R431045	5 1	07/28/2020 00:00	JW

*	Value exceeds	maximum	contaminant level	

- H Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-010				Client Samp Collection D Matrix:	ate:	EB-55-SI 7/10/2020 Soil	E2 (0-2) 0 11:55:00 AM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	20.5	2.68		mg/Kg-dry	300553	1	07/31/2020 10:58	AJ
PERCENT MOISTURE D2216								
Percent Moisture	16.9	0		wt%	R431045	1	07/28/2020 00:00	JW

*	Value exceeds	maximum	contaminant level	

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

					Date:	3-Aug-20	
		(	Collection D	ate:	7/10/2020	( )	
Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
			(SW3	050B)			
85.5	2.37		mg/Kg-dry	300553	1	07/31/2020 11:00	AJ
11.3	0		wt%	R431045	5 1	07/28/2020 00:00	JW
	85.5	ResultLimit85.52.37	ResultReporting LimitQual85.52.37	Result Reporting Limit Qual Units I (SW3 85.5 2.37 mg/Kg-dry	Collection Date: Matrix:ResultReporting LimitQualUnitsBatchID85.52.37mg/Kg-dry300553	Client Sample ID: Collection Date: 7/10/2020 SoilResultReporting 	Result         Reporting Limit         Qual         Units         BatchID         Dilution Factor         Date Analyzed           85.5         2.37         mg/Kg-dry         300553         1         07/31/2020 11:00

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-012				Client Samp Collection D Matrix:		EB-54-N 7/10/2020 Soil	E2 (0-2) 0 12:33:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	88.1	2.51		mg/Kg-dry	300553	1	07/31/2020 11:02	AJ
PERCENT MOISTURE D2216 Percent Moisture	15.8	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-013				Client Samp Collection D Matrix:		EB-54-N 7/10/2020 Soil	W2 (0-2) 0 12:47:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	6050B)			
Arsenic	19.7	2.42		mg/Kg-dry	300553	1	07/31/2020 11:09	AJ
PERCENT MOISTURE D2216 Percent Moisture	14.6	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-014				Client Samp Collection D Matrix:		EB-53-SI 7/10/2020 Soil	E2 (0-2) 0 1:35:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	12.4	2.72		mg/Kg-dry	300553	1	07/31/2020 11:12	AJ
PERCENT MOISTURE D2216 Percent Moisture	21.6	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-015				Client Samp Collection D Matrix:		EB-53-S 7/10/2020 Soil	W2 (0-2) 0 1:50:00 PM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	10.1	2.49		mg/Kg-dry	300553	1	07/31/2020 11:14	AJ
PERCENT MOISTURE D2216 Percent Moisture	17.9	0		wt%	R431045	5 1	07/28/2020 00:00	JW

#### \* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-016				Client Samp Collection D Matrix:		EB-53-N 7/13/2020 Soil	2 (0-2) 0 11:08:00 AM	
Analyses	Result	Reporting Limit	Qual	Units I	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	31.7	2.60		mg/Kg-dry	300553	1	07/31/2020 11:16	AJ
PERCENT MOISTURE D2216 Percent Moisture	16.7	0		wt%	R431045	1	07/28/2020 00:00	JW

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc						Date:	3-Aug-20	
Client:United Consulting Group Inc.Project Name:Atlanta BeltlineLab ID:2007P92-017				Client Samp Collection D Matrix:		EB-51-N 7/13/2020 Soil	W2 (0-2) 0 12:18:00 PM	
Analyses	Result	Reporting Limit	Qual	Units 1	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				(SW3	050B)			
Arsenic	22.6	2.85		mg/Kg-dry	300553	1	07/31/2020 11:19	AJ
PERCENT MOISTURE D2216 Percent Moisture	25.1	0		wt%	R431045	5 1	07/28/2020 00:00	JW

*	Value exceeds	maximum	contaminant level	

- H Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit



SAMPLE/COOLER RECEIPT CHECKLIST



1. Client Name: United Consulting Group Inc.

т	Ŧ	\$8/3	
	AES Work Order Number:	-2007H19	- 2004p92

2.	Carrier:	FedEx		UPS 🗌	USPS 📃	Client 🔳	Courier	Other
----	----------	-------	--	-------	--------	----------	---------	-------

		Yes	No	N/A	Details	Comments
з.	Shipping container/cooler received in good condition?	$\mathbf{O}$	0	<b>0</b>	damaged eaking other	
4.	Custody seals present on shipping container?	Ō	0	0		
5.	Custody seals intact on shipping container?	0	0	0		
6.	Temperature blanks present?	Ō	0	$\mathbf{O}$		
	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	0	0	0	Cooling initiated for recently collected samples / in present	ze l
8.	Chain of Custody (COC) present?	Ο	$\mathbf{O}$	0		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	0	$\mathbf{O}$	<b>0</b>		
10.	Sampler name and/or signature on COC?	Ο	0	$\mathbf{O}$		
11.	Were all samples received within holding time?	0	0	0		
12.	TAT marked on the COC?	Ō	0	O	If no TAT indicated, proceeded with standard TAT	per Terms & Conditions.
14.	Cooler 1 Temperature 1.3       °C       Cooler 2 Temperature         Cooler 5 Temperature       °C       Cooler 6 Temperature			°C °C	Cooler 3 Temperature °C Cooler 7 Temperature °C	Cooler 4 Temperature   °C     Cooler 8 Temperature   °C
15.	Comments:					
					l certify that I h	ave completed sections 1-15 (dated initials). FM 7/17/20
		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	$\mathbf{O}$	$\mathbf{O}$	0		
	Custody seals present on sample containers?	O	Õ	Ō		
	Custody seals intact on sample containers?	Ô	Õ	Õ		
	Do sample container labels match the COC?	Ο	0	0	incomplete info 📄 illegible 🗌 no label 🗌 other 🗌	
20.	Are analyses requested indicated on the COC?	Ο	O	$\mathbf{O}$		
	Were all of the samples listed on the COC received?	Ο	0	0	samples received but not listed on COC	
	Was the sample collection date/time noted?	$\mathbf{O}$	0			
	Did we receive sufficient sample volume for indicated analyses?	Ο	0			
	Were samples received in appropriate containers?	Ο	0			
25.	Were VOA samples received without headspace (< 1/4" bubble)?	$\mathbf{O}$	0	0		
26.	Were trip blanks submitted?	$\mathbf{O}$	0	0	listed on COC 🔲 not listed on COC 🗌	
27.	Comments:					
	This section only applies to samples where pH can be			<b>.</b>		ave completed sections 16-27 (dated initials). FM 7/17/20
1	checked at Sample Receipt.	Yes	No		Details	Comments
	Have containers needing chemical preservation been checked? *	HX-	HX-			
	Containers meet preservation guidelines?	<u>Q</u>	LX-			
	Was pH adjusted at Sample Receipt?			0	J	
	t Nata: Cartain analyzed require chemical proceduction but must be checked in the lab	o colony o	nd not u	non Com	ale Bessist such as Califorms VOCs and Oil & Crassell	

Note: Certain analyses req eservation but must be checked in the laboratory ample Receipt such as

FM 7/17/20 I certify that I have completed sections 28-30 (dated initials).

Checklist 6.9.17 Rev 2

Date: 3-Aug-20

Client:United Consulting Group Inc.Project Name:Atlanta BeltlineWorkorder:2007P92

# ANALYTICAL QC SUMMARY REPORT

### BatchID: 300553

Sample ID: MB-300553	Client ID:				Un	its: mg/Kg	Prej	Date: 07/	29/2020	Run No: 431374	
SampleType: MBLK	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300553	Ana	lysis Date: 07/	31/2020	Seq No: 9786320	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qu	al
Arsenic	BRL	2.50									
Sample ID: LCS-300553	Client ID:				Un	its: mg/Kg	Prej	Date: 07/	29/2020	Run No: 431374	
SampleType: LCS	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300553	Ana	lysis Date: 07/	31/2020	Seq No: 9786321	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qu	al
Arsenic	45.98	2.50	50.00		92.0	80	120				
Sample ID: 2007P92-004AMS	Client ID:	EB-73-SW2			Un	its: mg/Kg-	dry Prej	Date: 07/	29/2020	Run No: 431374	
SampleType: MS	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300553	Ana	lysis Date: 07/	31/2020	Seq No: 9786323	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qu	al
Arsenic	60.85	2.58	51.52	13.38	92.1	75	125				
Sample ID: 2007P92-004AMSD	Client ID:	EB-73-SW2			Un	its: mg/Kg-	dry Prej	Date: 07/	29/2020	Run No: 431374	
SampleType: MSD	TestCode:	METALS, TOTAL SV	W6010D		Bat	chID: 300553	Ana	lysis Date: 07/	31/2020	Seq No: 9786324	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qua	al
Arsenic	50.60	2.58	51.54	13.38	72.2	70	125	60.85	18.4	20	

Qualifiers:	>	Greater than Result value
	BRL	Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

End of Report

# **ANALYTICAL ENVIRONMENTAL SERVICES, INC.**



October 22, 2020

Spencer Cox United Consulting Group Inc.

625 Holcomb Bridge Rd Norcross GA 30071

RE: ABI Segment 3 (Atlanta Beltline)

Dear Spencer Cox:

Analytical Environmental Services, Inc. received for the analyses presented in following report.

10/15/2020 12:52:00 PM

2010I00

Order No:

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES's accreditations are as follows:

1

samples on

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/20-06/30/21.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/21 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/21.

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

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

Sincerely,

IDana Pacurar

Ioana Pacurar Project Manager

	Analytical Environmental Services, inc.
	ENVIRONMENTAL
AES	Services, inc.

### Analytical Environmental Services, Inc.

3080 Presidential Drive, Atlanta, GA 30340 Phone: (770) 457-8177

Work Order:	Że	(IØ	10	Ø
-	age		of	1

# **CHAIN OF CUSTODY**

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	UNITED CONSULTING		FILE				S S												www.aesatlanta.com for downloadable COCs and to	
PHONE	770 209 0029	EMAIL: DSharp	Cunikdo	onsul	Hrz.	com	TCLP(RCRA												log in to your AESAccess account.	Number of Containers
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#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)	١			Π	PRES	SERVAT			25)		Τ		REMARKS	
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2,		2.				/	SITE /	ADDRE	SS:										🕅 Standard	
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SPECIA	LINSTRUCTIONS/COMMENTS:		SHIPMEN	T METHO	D		_				ς.	. c 0	1						Next Business Day Rush	
	·····	OUT: /	/	VIA:	-		INVO	ICE TO	) (IF DIF	FFERE	NT FRO	OM ABC	OVE):						Other	
		IN: /	1	VIA:															REGULATORY PROGRAM (if any):	
		Client	FedEx UPS	US ma	ail cou	rier									<u> </u>	180				
			other:			. Mart .		DTE #:_					needlaat samt sin take	PO		153	-		DATA PACKAGE: 1 O 11 O 111 O 1V C	
Submis	sion of samples to the laboratory constitutes acceptance of AES'																			ollowing

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) Preservative Codes: H+I = Hydrochloric acid + ice I = ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Analytical Environmental Services, Inc						Date:	22-Oct-20	
Client:United Consulting Group Inc.Project Name:ABI Segment 3 (Atlanta BeltlingLab ID:2010I00-001	2)			Client Sar Collection Matrix:	-	SG-3-C 10/15/202 Soil	20 11:20:00 AM	
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MERCURY, TCLP SW1311/7470A				(SV	V7470A)			
Mercury	BRL	0.00400		mg/L	304583	1	10/20/2020 17:00	SK
ICP METALS, TCLP SW1311/6010D				(SV	V3010A)			
Arsenic	BRL	0.250		mg/L	304590	1	10/21/2020 12:12	KB
Barium	BRL	0.500		mg/L	304590	1	10/21/2020 12:12	KB
Cadmium	BRL	0.0250		mg/L	304590	1	10/21/2020 12:12	KB
Chromium	BRL	0.0500		mg/L	304590	1	10/21/2020 12:12	KB
Lead	BRL	0.0500		mg/L	304590	1	10/21/2020 12:12	KB
Selenium	BRL	0.100		mg/L	304590	1	10/21/2020 12:12	KB
Silver	BRL	0.0250		mg/L	304590	1	10/21/2020 12:12	KB

#### Qualifiers:

#### \* Value exceeds maximum contaminant level

- Н Holding times for preparation or analysis exceeded
- Ν Analyte not NELAC certified
- Analyte detected in the associated method blank В
- > Greater than Result value

- E Estimated (value above quantitation range)
- $\mathbf{S}$ Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- Less than Result value <
- J Estimated value detected below Reporting Limit

Date:	22-Oct-20
-------	-----------

# Analytical Environmental Services, Inc

SUMMARY OF ANALYTES DETECTED

Analyses		Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID:	SG-3-C				Lab ID:	2010I00-001		
Collection Date:	10/15/2020 11:20:00 AM				Matrix:	Soil		
MERCURY, TCLF	SW1311/7470A				(SW7470A)	)		

# No reportable hits were detected

ICP METALS, TCLP SW1311/6010D

(SW3010A)

No reportable hits were detected



\* Value exceeds maximum contaminant level

- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit



Yes

 $\frac{0}{0}$ 

Yes

( )

\* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

 $\cap$ 

No

()

 $oldsymbol{eta}$ 

lacksquare

N/A

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listed on COC

Clear

Comments

Save as

# 1. Client Name: United Consulting Group Inc.

2. Carrier: FedEx UPS USPS Client Courier Other

				AES Work Order Number	2010100
No	N/A		Detail	s	
0	Ο	damaged 🗌	leaking	other	

3.	Shipping container/cooler received in good condition?	$\odot$	O	O	damaged eaking other		
4.	Custody seals present on shipping container?	0	$\odot$	Ο			
5.	Custody seals intact on shipping container?	Õ	0	$\overline{\mathbf{O}}$			
6.	Temperature blanks present?	Ō	Õ	Ó			
	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	$\odot$	0	0	Cooling initiated for recently collected samples / ice present		
8.	Chain of Custody (COC) present?	$\odot$	Ο	Ο			
9.	Chain of Custody signed, dated, and timed when relinquished and received?	$\overline{\mathbf{O}}$	Ο	Ô			
10.	Sampler name and/or signature on COC?	Ō	Ō	Õ			
11.	Were all samples received within holding time?	Ō	Ō	Õ			
12.	TAT marked on the COC?	Ō	0	Ő	If no TAT indicated, proceeded with standard TAT per	Terms & Conditions.	
	Cooler 1 Temperature     0.1     °C     Cooler 2 Temperature       Cooler 5 Temperature     °C     Cooler 6 Temperature			c c	·	ler 4 Temperature°C	
	Cooler 5 Temperature °C Cooler 6 Temperature Comments:					ler 8 Temperature °C	ARS 10/15/20
					I certify that I have o	completed sections 1-15 (dated initials).	ARS 10/15/20
15.		Yes	No	N/A			ARS 10/15/20
15. 16.	Comments:	Yes			I certify that I have o	completed sections 1-15 (dated initials).	ARS 10/15/20
15. 16. 17.	Comments:	Yes	No O		I certify that I have o	completed sections 1-15 (dated initials).	ARS 10/15/20
15. 16. 17. 18.	Comments: Were sample containers intact upon receipt? Custody seals present on sample containers?	Yes	N₀ O	N/A	I certify that I have o	completed sections 1-15 (dated initials).	ARS 10/15/20
15. 16. 17. 18. 19.	Comments: Were sample containers intact upon receipt? Custody seals present on sample containers? Custody seals intact on sample containers?	Yes O	≥∞		I certify that I have o Details	completed sections 1-15 (dated initials).	ARS 10/15/20
15. 16. 17. 18. 19. 20.	Comments: Were sample containers intact upon receipt? Custody seals present on sample containers? Custody seals intact on sample containers? Do sample container labels match the COC?	Yes O O O	≥∞		I certify that I have o Details	completed sections 1-15 (dated initials).	ARS 10/15/20

Containers meet preservation guidelines?

Was pH adjusted at Sample Receipt?

23.

24

25.

26.

28.

29

30.

27. Comments:

Did we receive sufficient sample volume for indicated analyses?

Were VOA samples received without headspace (< 1/4" bubble)?

This section only applies to samples where pH can be

Have containers needing chemical preservation been checked? \*

Were samples received in appropriate containers?

Were trip blanks submitted?

checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials).

I certify that I have completed sections 28-30 (dated initials).

not listed on COC

Details

Comments

MJ 10/15/20

MJ 10/15/20

Date: 22-Oct-20

Client:United Consulting Group Inc.Project Name:ABI Segment 3 (Atlanta Beltline)Workorder:2010I00

# ANALYTICAL QC SUMMARY REPORT

#### BatchID: 304583

Sample ID: <b>MB-304583</b>	Client ID:				Uni	its: mg/L	Prep	Date: 10/20	)/2020	Run No:	437549
SampleType: MBLK	TestCode:	MERCURY, TCLP SW	1311/7470A		Bat	chID: 304583	Anal	ysis Date: 10/20	)/2020	Seq No:	9950931
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD	Limit Qual
Mercury	BRL	0.00400									
Sample ID: LCS-304583	Client ID:				Uni	its: mg/L	Prep	Date: 10/20	)/2020	Run No:	437549
SampleType: LCS	TestCode:	MERCURY, TCLP SW	1311/7470A		Bat	chID: 304583	Anal	ysis Date: 10/20	)/2020	Seq No:	9950932
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD	Limit Qual
Mercury	0.03793	0.00400	0.0400		94.8	80	120				
Sample ID: 2010F13-001BMS	Client ID:				Uni	its: mg/L	Prep	Date: 10/20	)/2020	Run No:	437549
SampleType: MS	TestCode:	MERCURY, TCLP SW	1311/7470A		Bat	chID: 304583	Anal	ysis Date: 10/20	)/2020	Seq No:	9950934
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD	Limit Qual
Mercury	0.03392	0.00400	0.0400		84.8	80	120				
Sample ID: 2010F13-001BMSD	Client ID:				Uni	its: mg/L	Prep	Date: 10/20	)/2020	Run No:	437549
SampleType: MSD	TestCode:	MERCURY, TCLP SW	1311/7470A		Bat	chID: 304583	Anal	ysis Date: 10/20	)/2020	Seq No:	9950935
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD	Limit Qual
Mercury	0.03663	0.00400	0.0400		91.6	80	120	0.03392	7.68	2	0

Qualifiers:	>	Greater than Result value	

BRL Below reporting limit

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J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix

- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

### Analytical Environmental Services, Inc

**Date:** 22-Oct-20

Client:United Consulting Group Inc.Project Name:ABI Segment 3 (Atlanta Beltline)Workorder:2010I00

# ANALYTICAL QC SUMMARY REPORT

# BatchID: 304590

Sample ID: MB-304590 SampleType: MBLK	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010D		Un Bat	its: mg/L tchID: 304590		ep Date: nalysis Date:	10/20/2020 10/21/2020	Run No: Seq No:	437600 995259	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	f Val %F	RPD RPI	O Limit	Qual
Arsenic	BRL	0.250										
Barium	BRL	0.500										
Cadmium	BRL	0.0250										
Chromium	BRL	0.0500										
lead	BRL	0.0500										
elenium	BRL	0.100										
ilver	BRL	0.0250										
Sample ID: LCS-304590 SampleType: LCS	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010D		Un Bat	its: mg/L tchID: 304590		ep Date: nalysis Date:	10/20/2020 10/21/2020	Run No: Seq No:		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ret	f Val %F	RPD RPI	O Limit	Qual
Arsenic	5.362	0.250	5.000		107	80	120					
Barium	5.391	0.500	5.000		108	80	120					
Cadmium	5.373	0.0250	5.000		107	80	120					
Chromium	5.380	0.0500	5.000		108	80	120					
Lead	5.402	0.0500	5.000		108	80	120					
elenium	5.227	0.100	5.000		105	80	120					
Silver	0.5113	0.0250	0.5000		102	80	120					
Sample ID: 2010I14-007AMS SampleType: MS	Client ID: TestCode:	ICP METALS, TCLP	SW1311/6010D		Un Bat	its: mg/L tchID: <b>304590</b>		ep Date: nalysis Date:	10/20/2020 10/21/2020	Run No: Seq No:		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref	f Val %F	RPD RPI	O Limit	Qual
rsenic	5.338	0.250	5.000		107	50	150					
Barium	5.402	0.500	5.000	0.03690	107	50	150					
Cadmium	5.360	0.0250	5.000		107	50	150					
Chromium	5.373	0.0500	5.000		107	50	150					
Qualifiers: > Greater than Result val	lue		< Less	than Result value			В	Analyte detected	in the associated m	ethod blank		
BRL Below reporting limit			E Estim	ated (value above quantit	ation range)		Н	Holding times for	r preparation or ana	lysis exceeded		
J Estimated value detec	ted below Reporting	g Limit	N Analy	te not NELAC certified			R	RPD outside lim	its due to matrix			
Rpt Lim Reporting Limit		-	-	Recovery outside limits of	lue to matrix					Page	7 of 9	

Client:	United Consulting Group Inc.
Project Name:	ABI Segment 3 (Atlanta Beltline)
Workorder:	2010I00

# ANALYTICAL QC SUMMARY REPORT

#### BatchID: 304590

Sample ID: 2010I14-007AMS	Client ID:				Uni	ts: mg/L	Prep	Date: 10	/20/2020	Run No: 437600
SampleType: MS	TestCode:	ICP METALS, TCLP	SW1311/6010D		Bat	chID: 304590	Ana	lysis Date: 10	/21/2020	Seq No: 9952598
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va	l %RPD	RPD Limit Qual
Lead	5.355	0.0500	5.000		107	50	150			
Selenium	5.258	0.100	5.000		105	50	150			
Silver	0.5104	0.0250	0.5000		102	50	150			
Sample ID: 2010I14-007AMSD	Client ID:				Uni	ts: mg/L	Prep	Date: 10	/20/2020	Run No: 437600
SampleType: MSD	TestCode:	ICP METALS, TCLP	SW1311/6010D		Bat	chID: 304590	Ana	lysis Date: 10	/21/2020	Seq No: 9952599
Analyte	D	RPT Limit	SPK value	SPK Ref Val	AVDEC	T. Timit	TT' 1 T ' ',		l %RPD	
Analyte	Result	KP1 LIIIII	SFK value	SFK KEI Val	%REC	Low Limit	High Limit	RPD Ref Va	I 70KPD	RPD Limit Qual
Arsenic	5.348	0.250	5.000	SFK Kei vai	%REC 107	50	150	5.338	0.191	30
				0.03690			-			
Arsenic	5.348	0.250	5.000		107	50	150	5.338	0.191	30
Arsenic Barium	5.348 5.380	0.250 0.500	5.000 5.000		107 107	50 50	150 150	5.338 5.402	0.191 0.406	30 30
Arsenic Barium Cadmium	5.348 5.380 5.347	0.250 0.500 0.0250	5.000 5.000 5.000		107 107 107	50 50 50	150 150 150	5.338 5.402 5.360	0.191 0.406 0.241	30 30 30
Arsenic Barium Cadmium Chromium	5.348 5.380 5.347 5.345	0.250 0.500 0.0250 0.0500	5.000 5.000 5.000 5.000		107 107 107 107	50 50 50 50	150 150 150 150	5.338 5.402 5.360 5.373	0.191 0.406 0.241 0.518	30 30 30 30 30

Qualifiers: > Greater than Result value

- ---- - -----

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

End of Report