UNITED CONSULTING

REPORT

For
Atlanta BeltLine, Inc.

Arsenic Delineation Sampling
Atlanta BeltLine – Southside Trail
Segment 2; Approximate 0.870-Mile Section
(STA: 144+10.00 to 190+06.00)
Atlanta, Fulton County, Georgia

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

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 2; Approximate 0.870-Mile Section (STA: 144+10.00 to 190+06.00)
Atlanta, Georgia
Project No.: 20-GA-01192-11

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 2; approximate 0.870-Mile Section (STA: 144+10.00 to 190+06.00) (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 twelve (12) 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.

Arsenic was detected in various soil samples collected from the Project Site. The following boring locations and their associated arsenic detections exceeded the non-residential Risk Reduction

Standards (RRSs), which were the focus of this delineation assessment: arsenic at EB-33 through EB-41, and EB-44 through EB-46. Of note, two areas (EB-44 and EB-46) were previously remediated for non-arsenic constituents above their respective RRSs. 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 15th through 17th and 20th, 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 75 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 two samples from the 12 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.

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 four 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.

Eight 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-34, EB-35, EB-37, EB-39, EB-40, and EB-46.

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/fbqstp/index.html.

REMEDIATION AREAS

A total of 12 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 four of the twelve 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 2, 3, and 29 through 38 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 2 are discussed below (Segments 1, 3, and 4/5 are presented under separate cover):

Remediation Area 2 (EB-44)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-44. Additionally, benzo(a)pyrene and benzo(b)fluoranthene were detected at the original boring location at a concentration exceeding non-residential RRS (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 borings to the northwest and east of the original boring location. Delineation was achieved to the south 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 east, delineated by the second step out to the south, and then from the second step-out boring (to the northwest) five feet from the limiting utilities at the northwest. 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 42.4 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 3 (EB-46)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-46. Additionally, benzo(a)pyrene was detected at the original boring location at a concentration exceeding non-residential RRS (that remedial area was an approximate 10-foot square, which 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 southeast, west, and north of the original boring location. Due to multiple 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 inner step-out boring northward to ten feet past the outer step-out boring and then from the second step-out borings (to the west and southeast) to within five feet from the limiting utilities at the center and/or to the property boundary. 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 34.4 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 29 (EB-33)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-33. Arsenic was additionally detected at concentrations exceeding the applicable RRS in the inner step-out boring to the north; however, the second outer step-out boring was below applicable RRS defining the extent of excavation to the north. Arsenic detections at the inner step-outs to the southwest and southeast were identified below non-residential RRS.

Based on the aforementioned boundary definition and the review of provided trail plans for cut/fill analysis which supports a 3-foot vertical removal at this area, a total of approximately 14.1 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 30 (EB-34)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-34. Arsenic was additionally detected at concentrations exceeding the applicable RRS in both the inner and outer step-out borings to the north and southwest of the original boring location. Arsenic detections at the inner step-out to the southeast was identified below non-residential RRS. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend from the north and southwest inner step-out boring ten feet past the outer step-out boring.

Based on the aforementioned boundary definition and the review of provided trail plans for cut/fill analysis which supports a 2-foot vertical removal at this area, a total of approximately 36.3 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 31 (EB-35)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-35. Arsenic was additionally detected at concentrations exceeding the applicable RRS in both the inner and outer step-out borings to the north and southwest of the original boring location. Arsenic detections at the outer step-out to the southeast was identified below non-residential RRS. Based on these conditions, in accordance with the Appendix F to CAP Amendment #2, the excavation boundaries extend from the north and southwest inner step-out boring ten feet past the outer step-out boring.

Based on the aforementioned boundary definition and the review of provided trail plans for cut/fill analysis which supports a 2-foot vertical removal at this area, a total of approximately 45.9 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 32 (EB-36)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-36. Arsenic was additionally detected at concentrations exceeding applicable RRS in both the inner and outer step-out borings to the north, southeast, and southwest of the original boring location. In accordance with the Appendix F to CAP Amendment #2, the excavation at this location will extend ten feet laterally beyond the second step-out iteration, further bound by utilities to the south.

Based on the excavation boundary defined by a ten-foot lateral expansion from the furthest step-out borings in this area, the review of provided trail plans for cut/fill analysis which supports a 2-foot vertical removal at this area, and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 63.3 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 33 (EB-37)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-37. Arsenic was additionally detected at concentrations exceeding applicable RRS in both the inner and outer step-out borings to the northwest and south of the original boring location. Arsenic detections at the outer step-out to the northeast was identified below non-residential RRS. In accordance with the Appendix F to CAP Amendment #2, the excavation at this location will extend ten feet laterally beyond the second step-out iteration, further bound by utilities to the south.

Based on the excavation boundary defined by a ten-foot lateral expansion from the furthest step-out borings in this area, the review of provided trail plans for cut/fill analysis which supports a 3-foot vertical removal at this area, and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 75.1 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 34 (EB-38)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-38. Arsenic was additionally detected at concentrations exceeding the applicable RRS in the inner step-out borings; however, the second outer step-out borings were all below applicable RRS defining the extent of excavation in each direction.

Based on the aforementioned boundary definition and the review of provided trail plans for cut/fill analysis which supports a 2-foot vertical removal at this area, a total of approximately 22.5 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 35 (EB-39)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-39. Arsenic was additionally detected at concentrations exceeding applicable RRS in the inner and outer step-out borings to the southeast of the original boring location. Arsenic concentrations were identified below RRS at the first step-out boring to the north and the second step-out boring to the southwest. Due to multiple 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) to ten feet past the outer step-out boring southeast (further limited by additional utilities to the south) and then to the defined extents at the southwest and north with samples below RRS. The required vertical excavation depth is 3.5 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 30.1 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 36 (EB-40)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-40. Arsenic was additionally detected at concentrations exceeding applicable RRS in both the inner and outer step-out borings to the southwest and east of the original boring location. Arsenic detections at the initial step-out to the northwest was identified below non-residential RRS. In accordance with the Appendix F to CAP Amendment #2, the excavation at this location will extend ten feet laterally beyond the second step-out iteration, further bound by utilities to the south.

Based on the excavation boundary defined by a ten-foot lateral expansion from the furthest step-out borings in this area, the review of provided trail plans for cut/fill analysis which supports a 1-foot vertical removal at this area, and maintaining a safe buffer distance to utilities as shown on the CAD drawings, a total of approximately 16.3 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 37 (EB-41)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-41. 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. The outer step-out boring was located in the vicinity of the GDOT utility which was field-located approximately five feet north of the boring. In accordance with Appendix F to CAP Amendment #2, the excavation will extent to within the five-foot buffer of the utility to the north. Arsenic was detected at concentrations below applicable RRS in both the inner step-out borings to the southwest and east, defining the extents of excavation in these directions.

Based on the aforementioned boundary definition and the review of provided trail plans for cut/fill analysis which supports a 1-foot vertical removal at this area, a total of approximately 3.7 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

Remediation Area 38 (EB-45)

Arsenic was detected at a concentration exceeding non-residential RRS at EB-45. Arsenic was additionally detected in the inner step-out borings; however, at concentrations below the applicable RRS defining the extent of excavation in each direction.

Based on the aforementioned boundary definition and the review of provided trail plans for cut/fill analysis which supports a 2-foot vertical removal at this area, a total of approximately 5.7 cubic yards (CY) of soil is estimated for excavation and offsite disposal.

SUMMARY

Based on the above, with a 20% contingency, there is an estimated 468 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 702 tons (with noted limitations based on known 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; however, 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 2 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 2 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

Spencer Cox
Project Environmental Specialist

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

BS/SCC/RCG/rgw
SharePoint: BeltLineSST.Segment2.Delineation.01192-11

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

ATTACHMENT B
Exhibits 2, 3, and 29 through 38

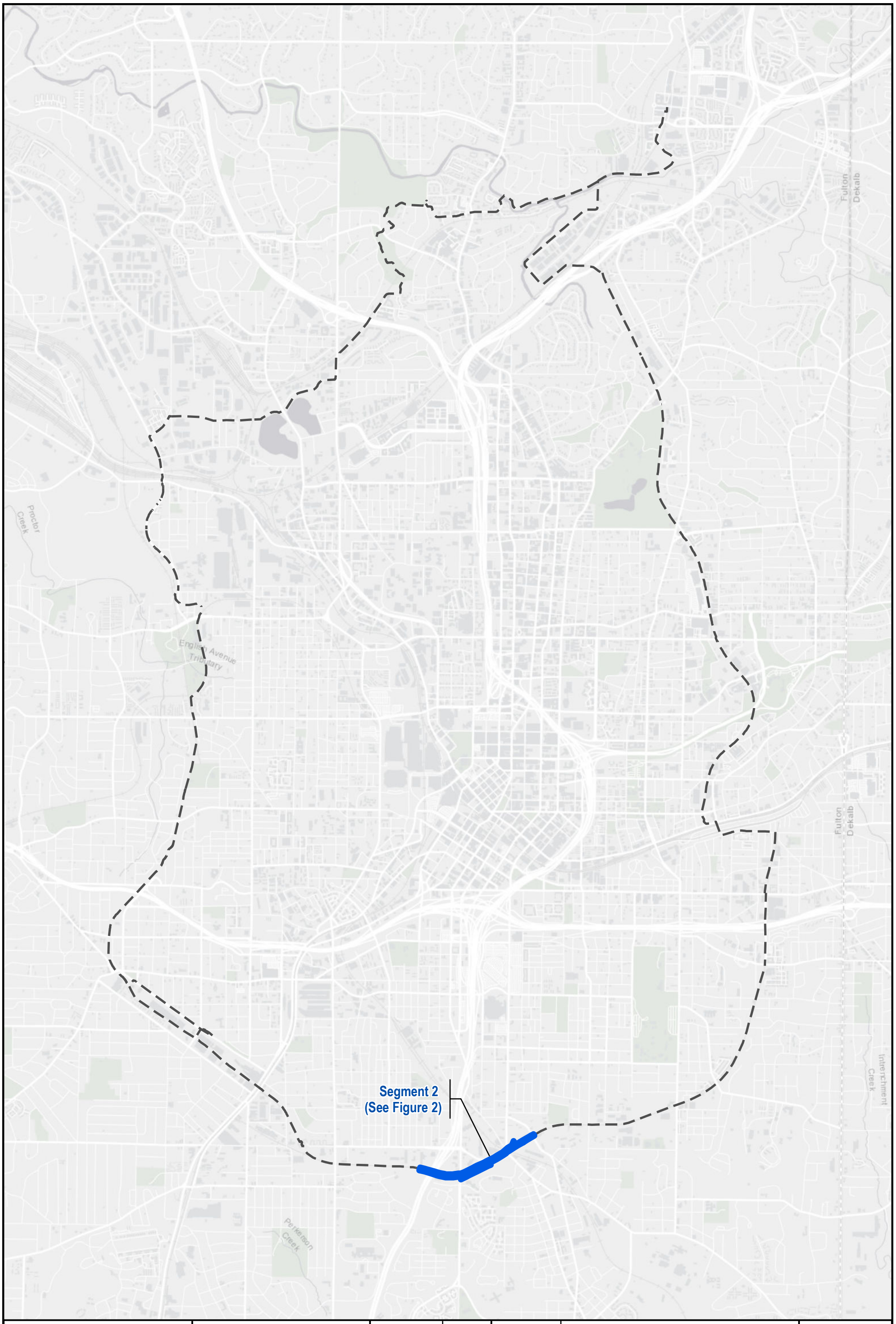
ATTACHMENT C
Table 1 – Summary of Pre-Excavation Site Characterization Sampling Results
Table 2 – Summary of Estimated Soil Remediation Volumes Per Remediation Area
Table 3 – Remediation Cut/Fill Analysis and Approach

ATTACHMENT D
Boring Logs

ATTACHMENT E
Laboratory Analytical Testing Reports

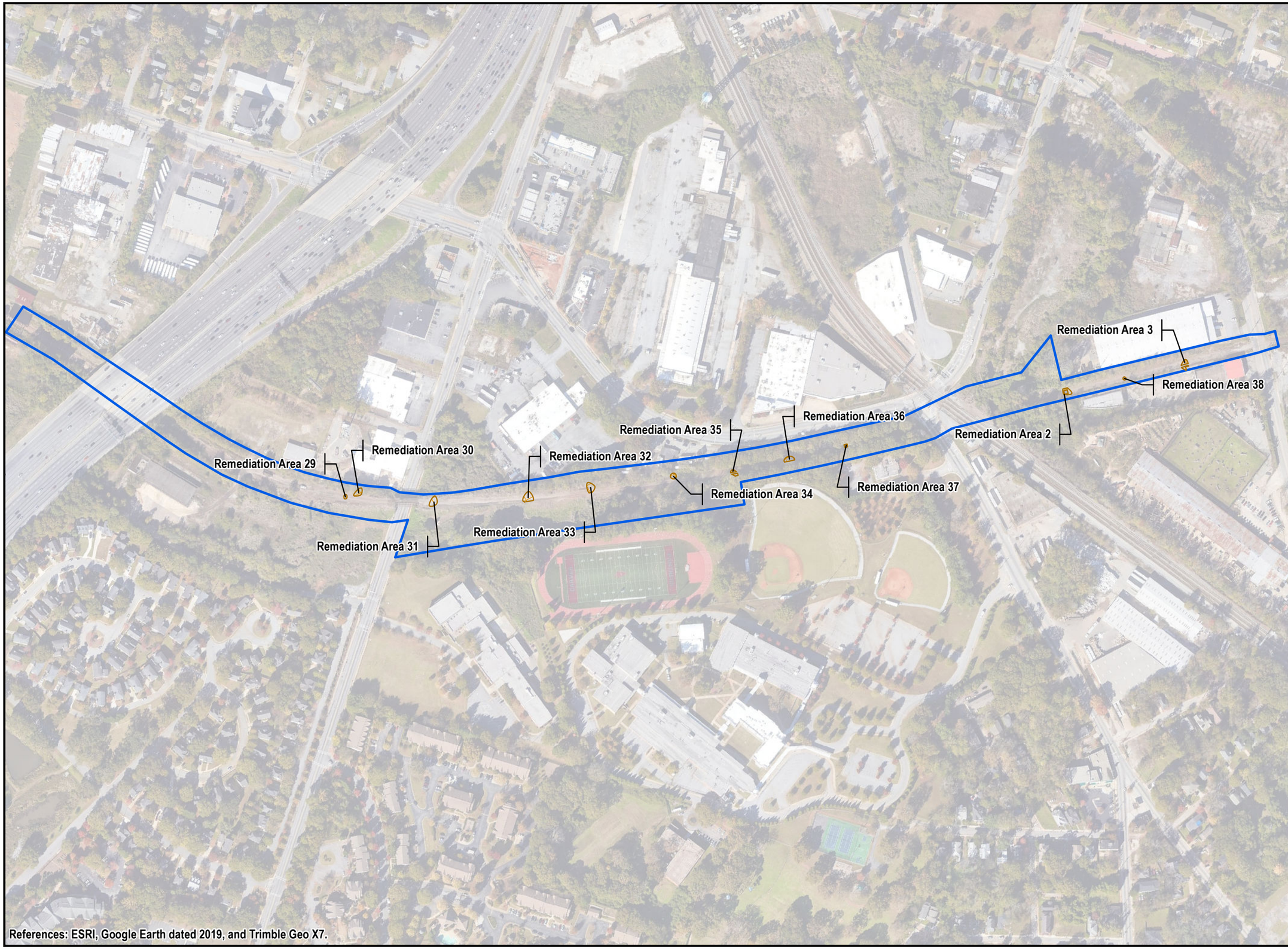
ATTACHMENT A

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

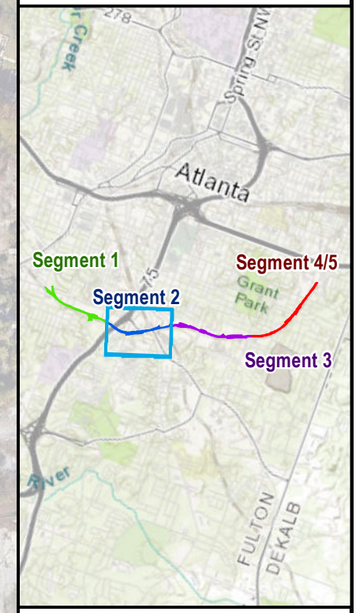


UNITED CONSULTING	**Figure Scale** N 0 1,500 3,000 1 inch = 3,000 feet	**Prepared:**	SCC	**Title:**	Segment Location Overview - Street Map
		Checked:	BWS	**Project:**	Atlanta BeltLine – Southside Trail
		Date:	10/10/20	**Project No.**	20-GA-01192-11
				Client:	Kimley-Horn

FIG. 1



Map Index



Legend

- Proposed Remedial
- Segment 2 Boundary

UNITED CONSULTING
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Project:
Atlanta BeltLine – Southside Trail

Client:
Kimley-Horn

Sheet Title: Remediation Areas Overview Aerial

Scale: 0 75 150 300
1 inch = 300 feet

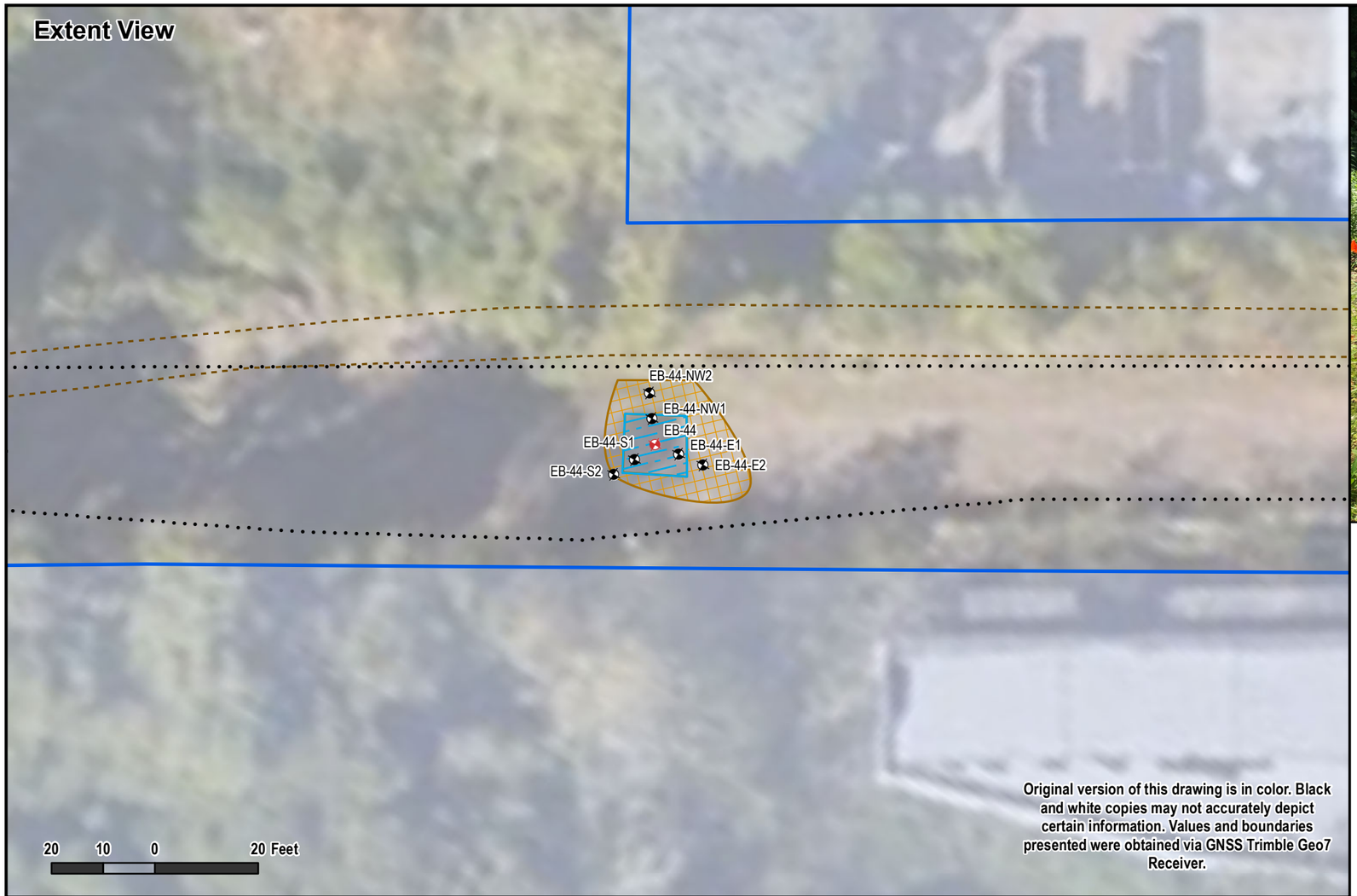
Prepared:	S. Cox
Checked:	B. Sharp
Date:	Oct 11, 2020
Project No.	20-GA-01192-11

Figure 2

ATTACHMENT B

Exhibits 2, 3, and 29 through 38

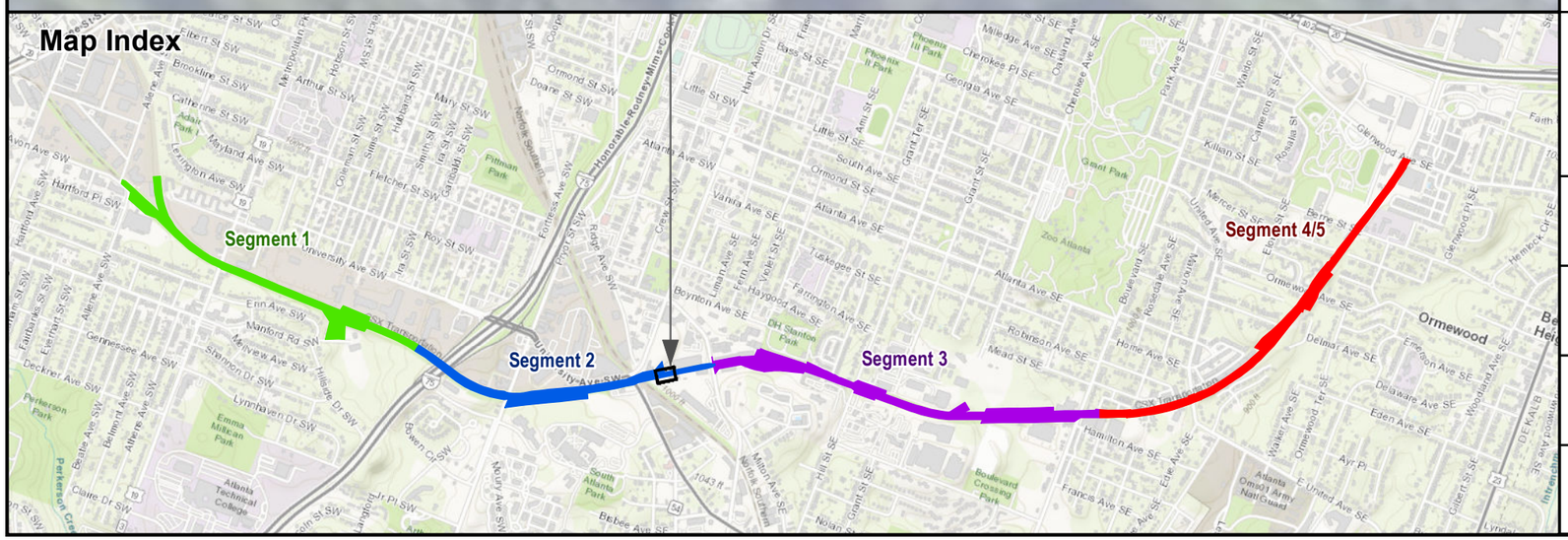
Extent View



Original version of this drawing is in color. Black and white copies may not accurately depict certain information. Values and boundaries presented were obtained via GNSS Trimble Geo7 Receiver.

Remedial Photograph

Map Index



Summary Notes & Legend

Estimated Cubic Yards (Proposed): 42.4 yd³

Approx. Station Number: 182+95

Constituents of Concern: Arsenic, B[a]P, B[b]F

Proposed Depth of Excavation: 3.00 ft bgs

Measured Depth of Excavation (Center): 3.12 ft bgs

Utility Status: Conflict not removed

- Initial Soil Boring
- Delineation Boring
- Actual Remedial Limits
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

UNITED CONSULTING
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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

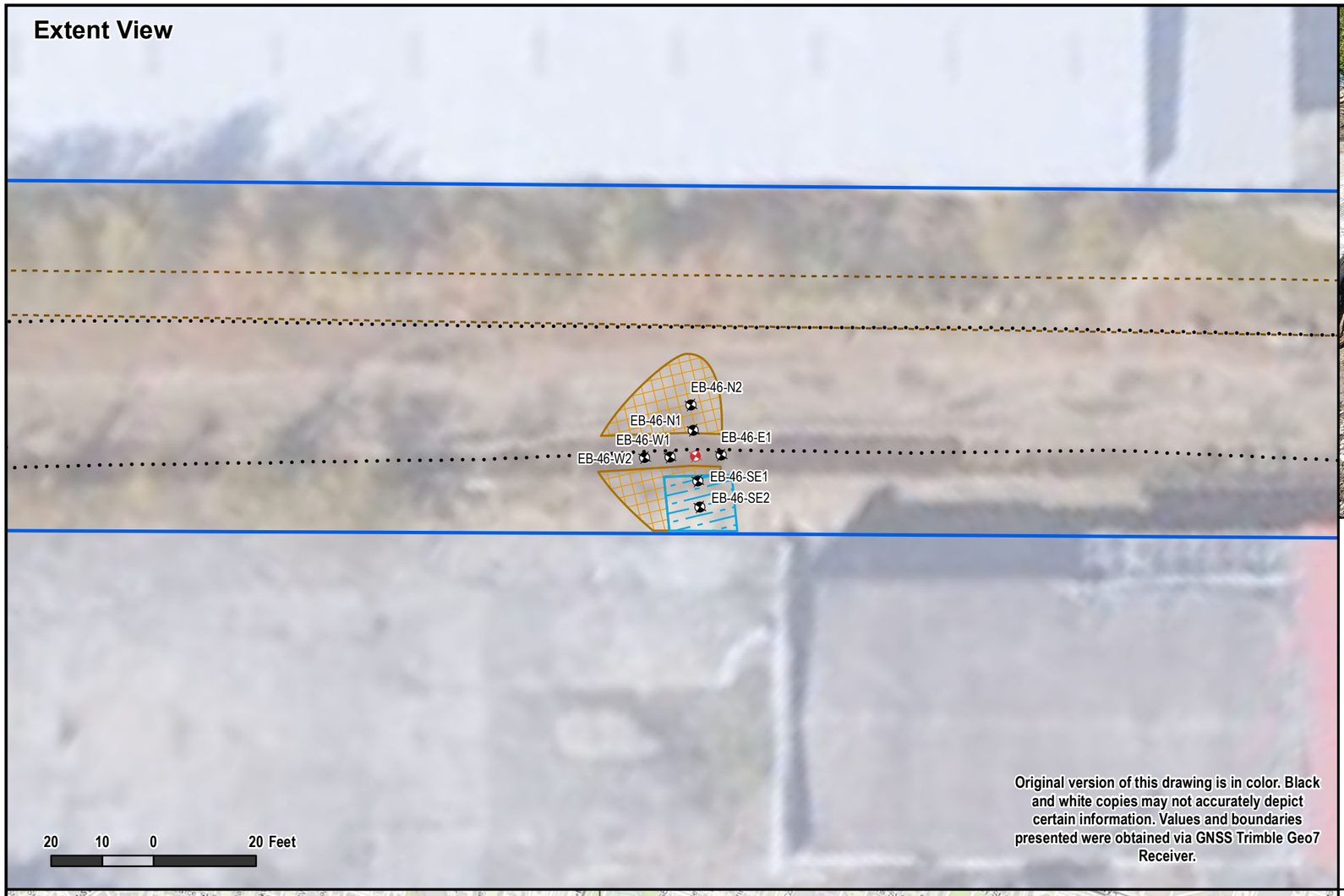
Remediation Area 2

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

DRAWING NUMBER

Exhibit 2

Extent View



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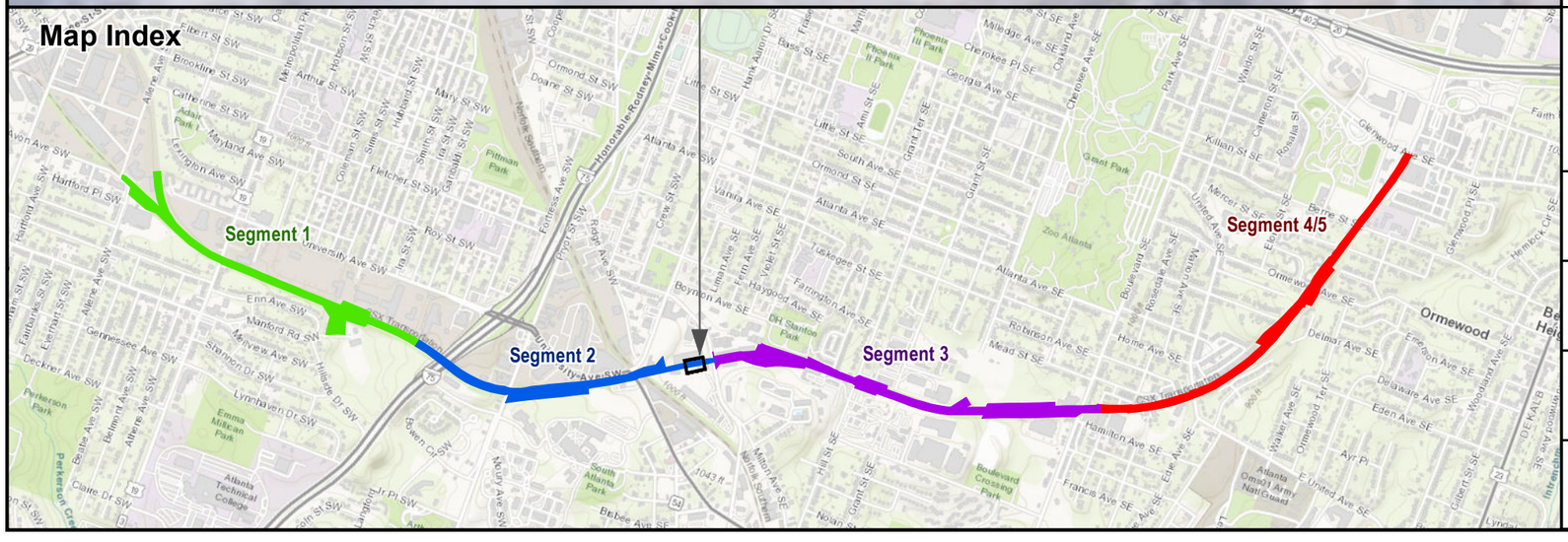
Remedial Photograph

Map Index



Summary Notes & Legend

Estimated Cubic Yards (Proposed): 34.4 yd³

Approx. Station Number: 187+00

Constituents of Concern: Arsenic, B[a]P

Proposed Depth of Excavation: 2.50 ft bgs

Measured Depth of Excavation (Center): 2.64 ft bgs

Utility Status: Conflict not removed

- Initial Soil Boring
- Delineation Boring
- Actual Remedial Limits
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

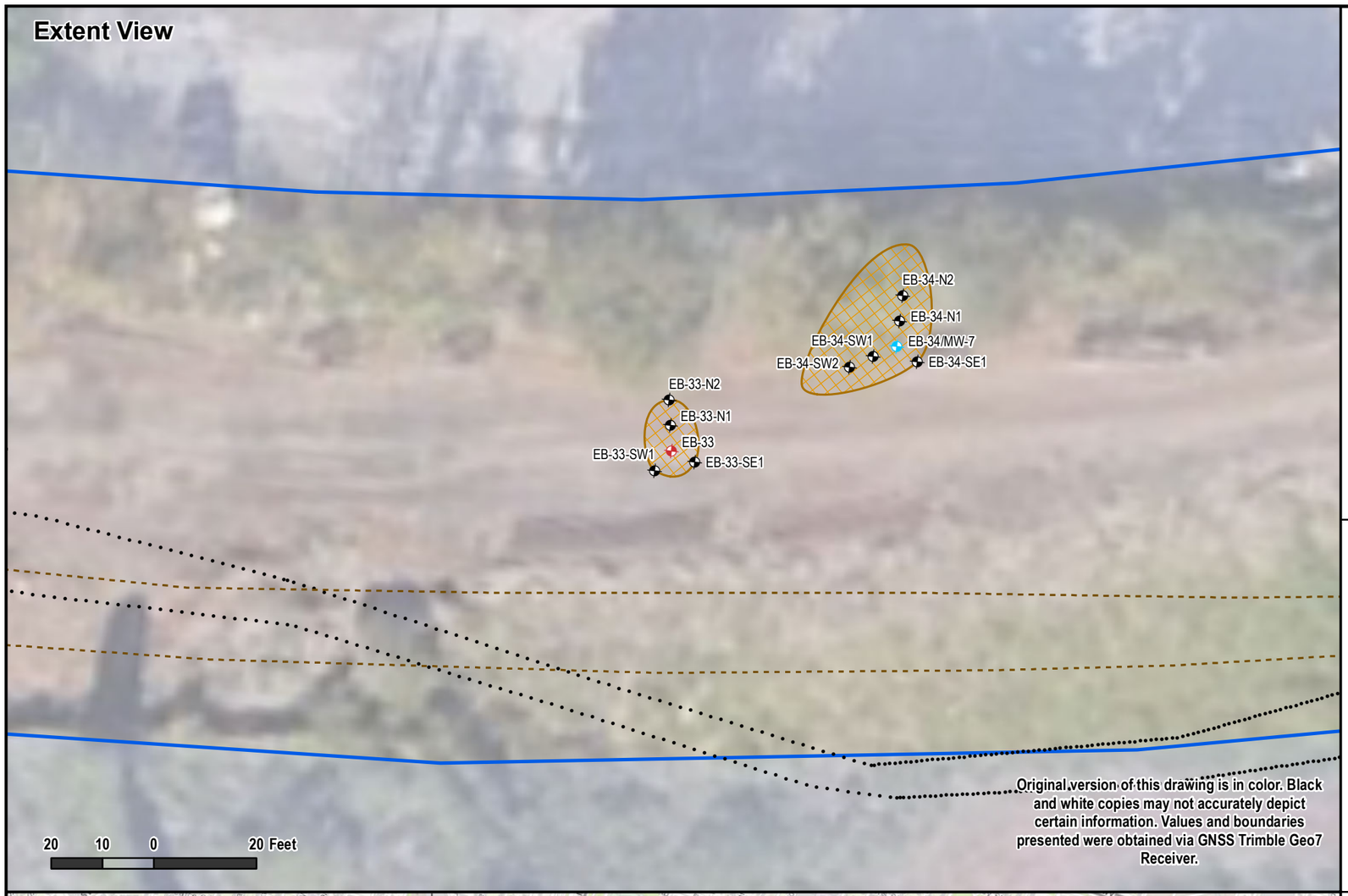
Remediation Area 3

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

DRAWING NUMBER

Exhibit 3

Extent View



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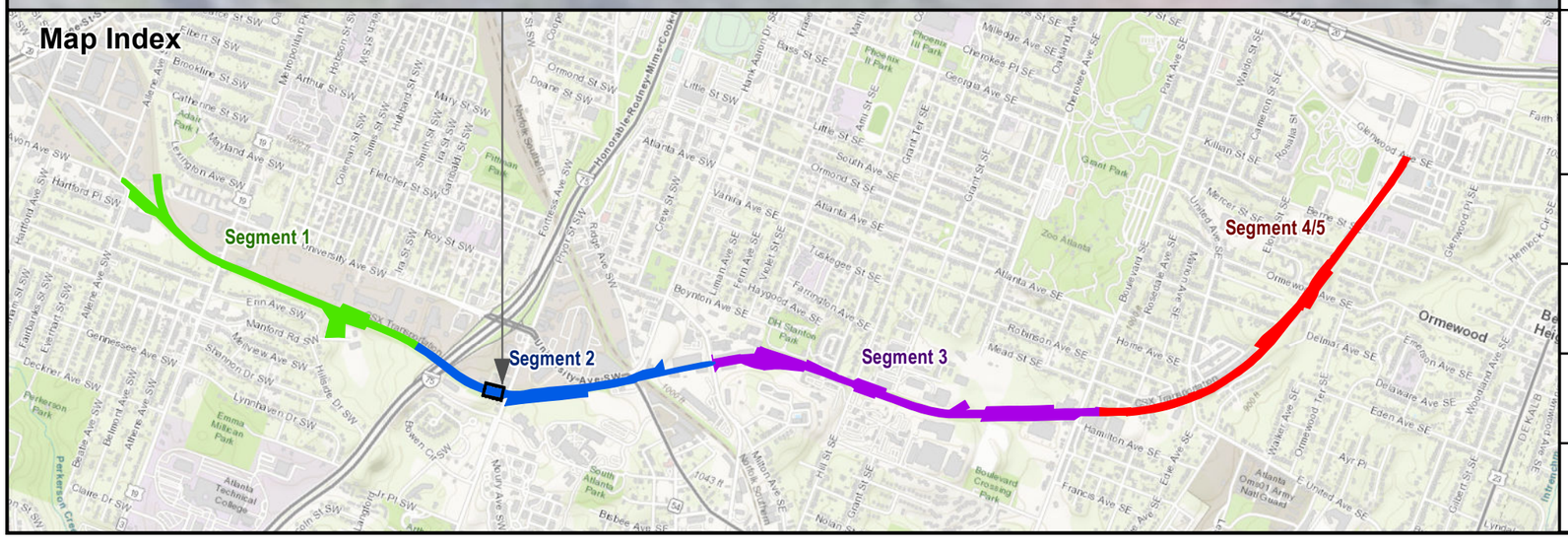
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 14.1 yd³

Approx. Station Number: 158+77

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 3.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: No Conflict

- Initial Soil Boring
- Temporary Monitoring Well
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

N

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

Remediation Area 29

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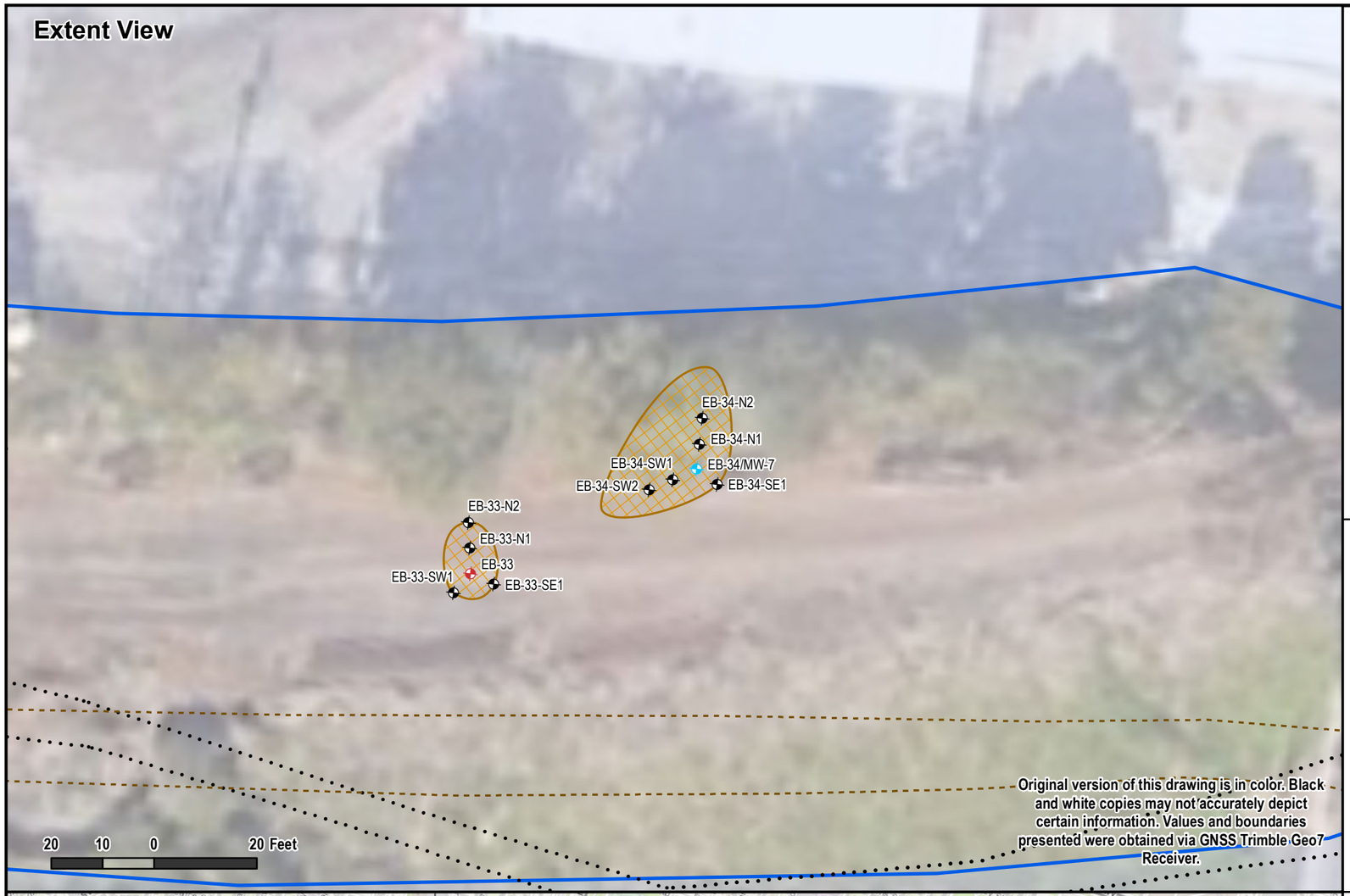
REVISION:	NA
PREPARED:	SCC
CHECKED:	BWS / RCG
DATE:	Oct 01, 2020
PROJECT NO.:	18-GA-01192-11/13

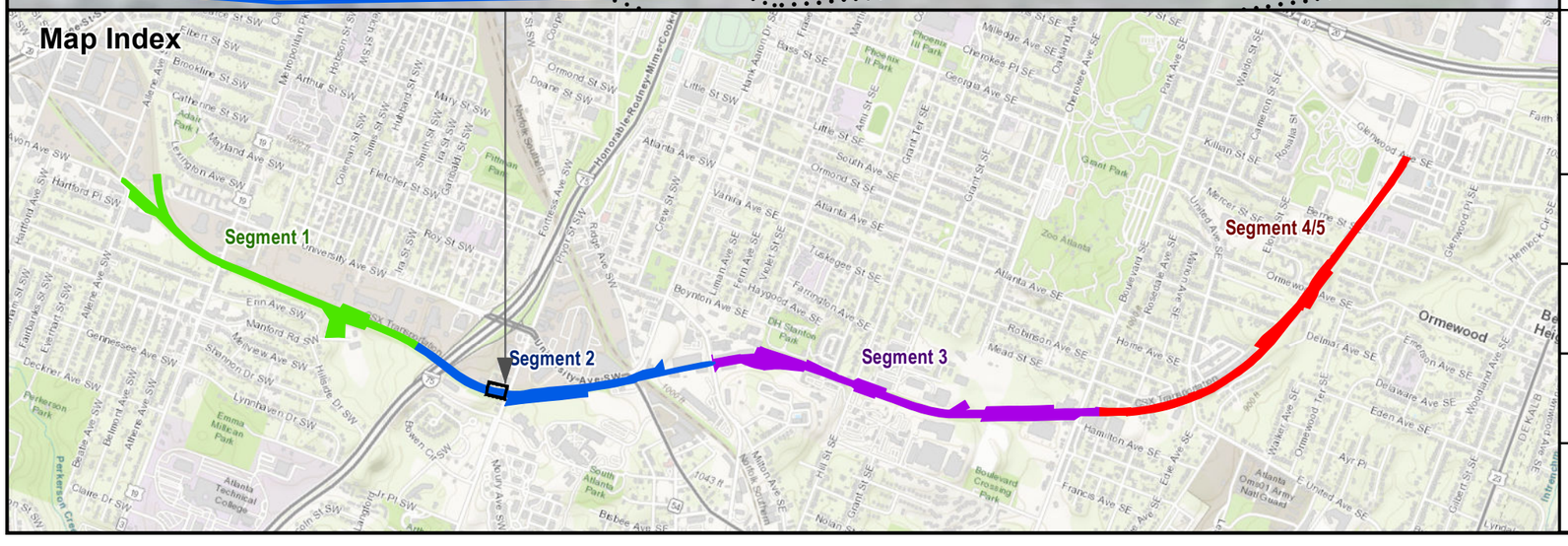
DRAWING NUMBER

Exhibit 29

Extent View



Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 36.3 yd³

Approx. Station Number: 159+14

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 2.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: No Conflict

- Initial Soil Boring
- Temporary Monitoring Well
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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

MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

N

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

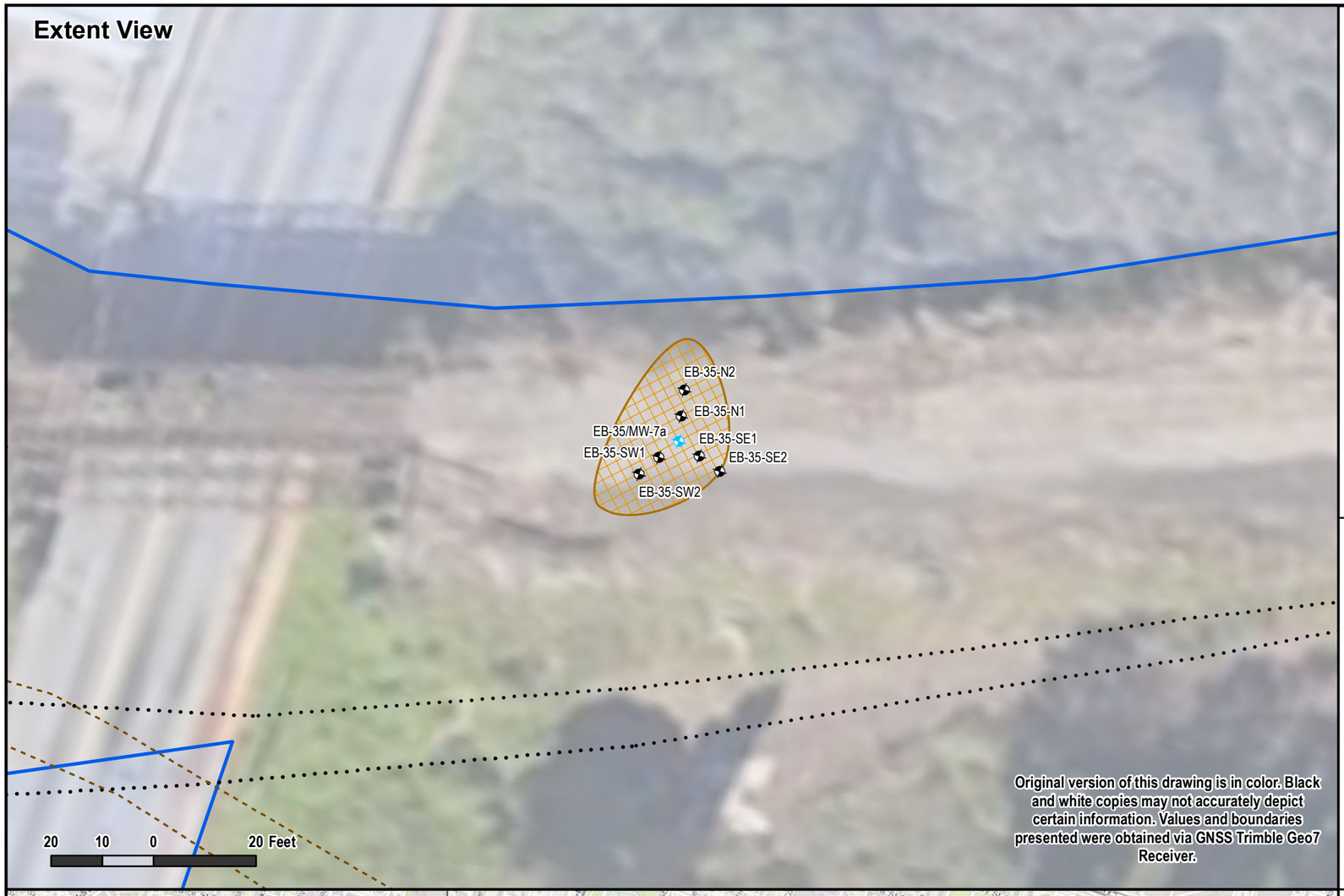
Remediation Area 30

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

DRAWING NUMBER

Exhibit 30

Extent View



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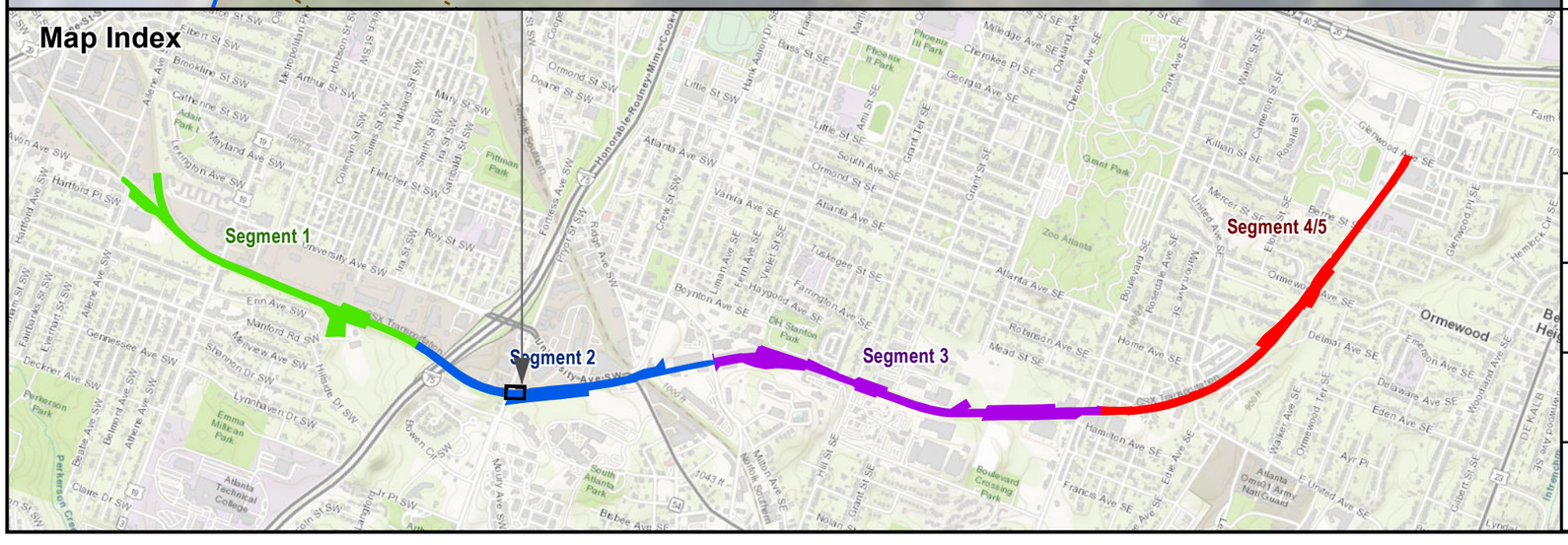
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 45.9 yd³

Approx. Station Number: 161+69

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 2.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: No Conflict

- Temporary Monitoring Well
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

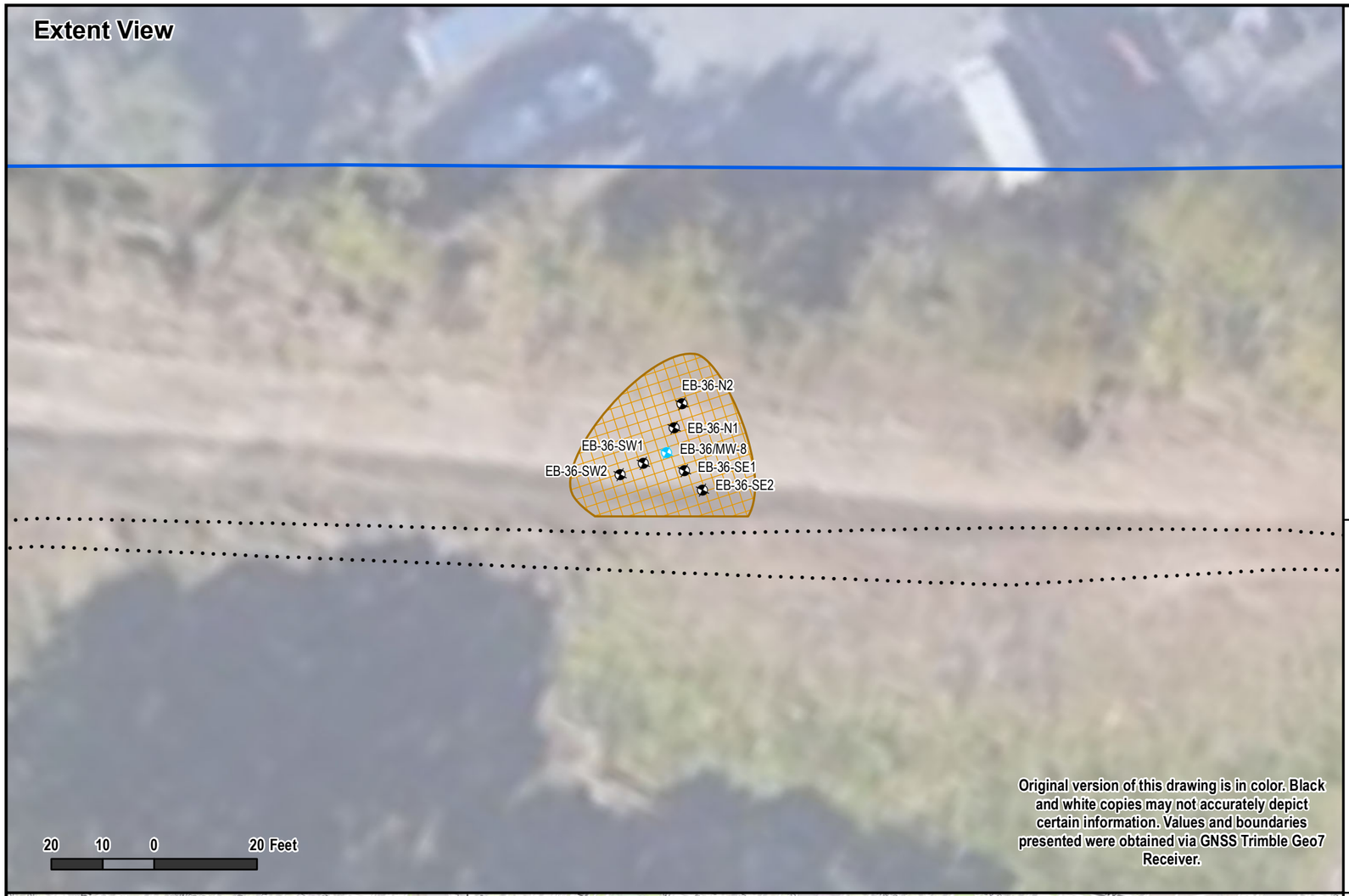
Remediation Area 31

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

DRAWING NUMBER

Exhibit 31

Extent View



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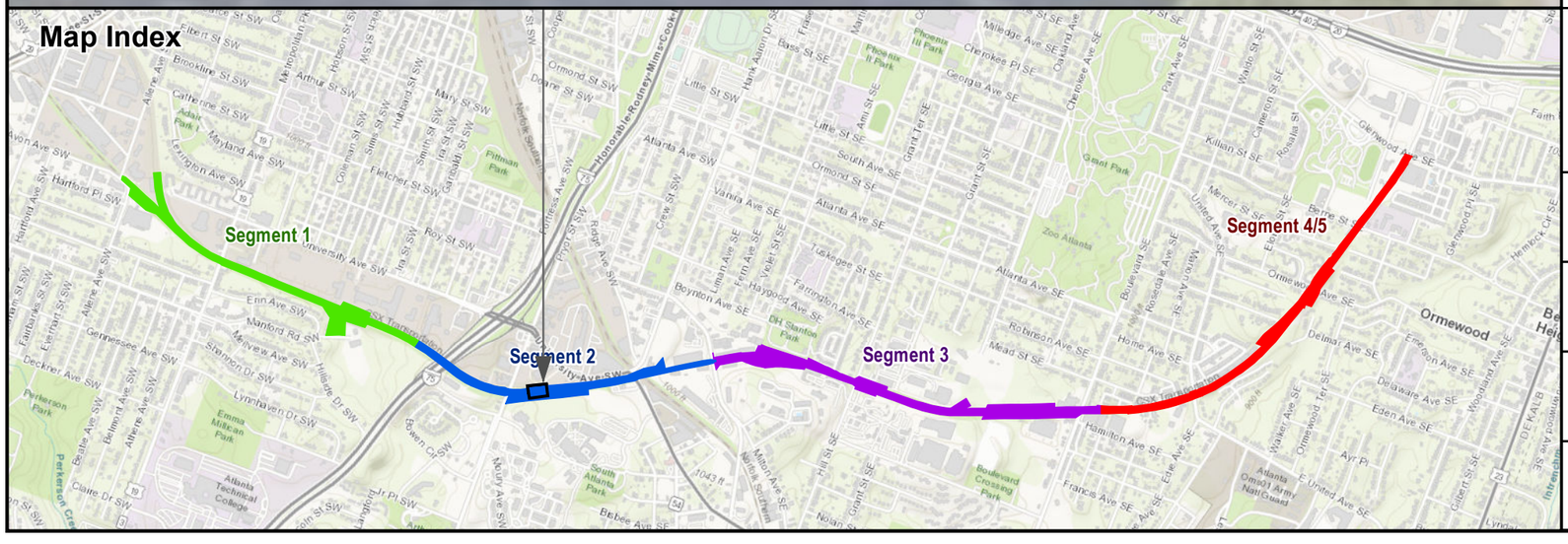
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 63.3 yd³

Approx. Station Number: 164+80

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 2.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: Conflict not removed

- Temporary Monitoring Well
- Delineation Boring
- Proposed Remedial
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

UNITED CONSULTING
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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

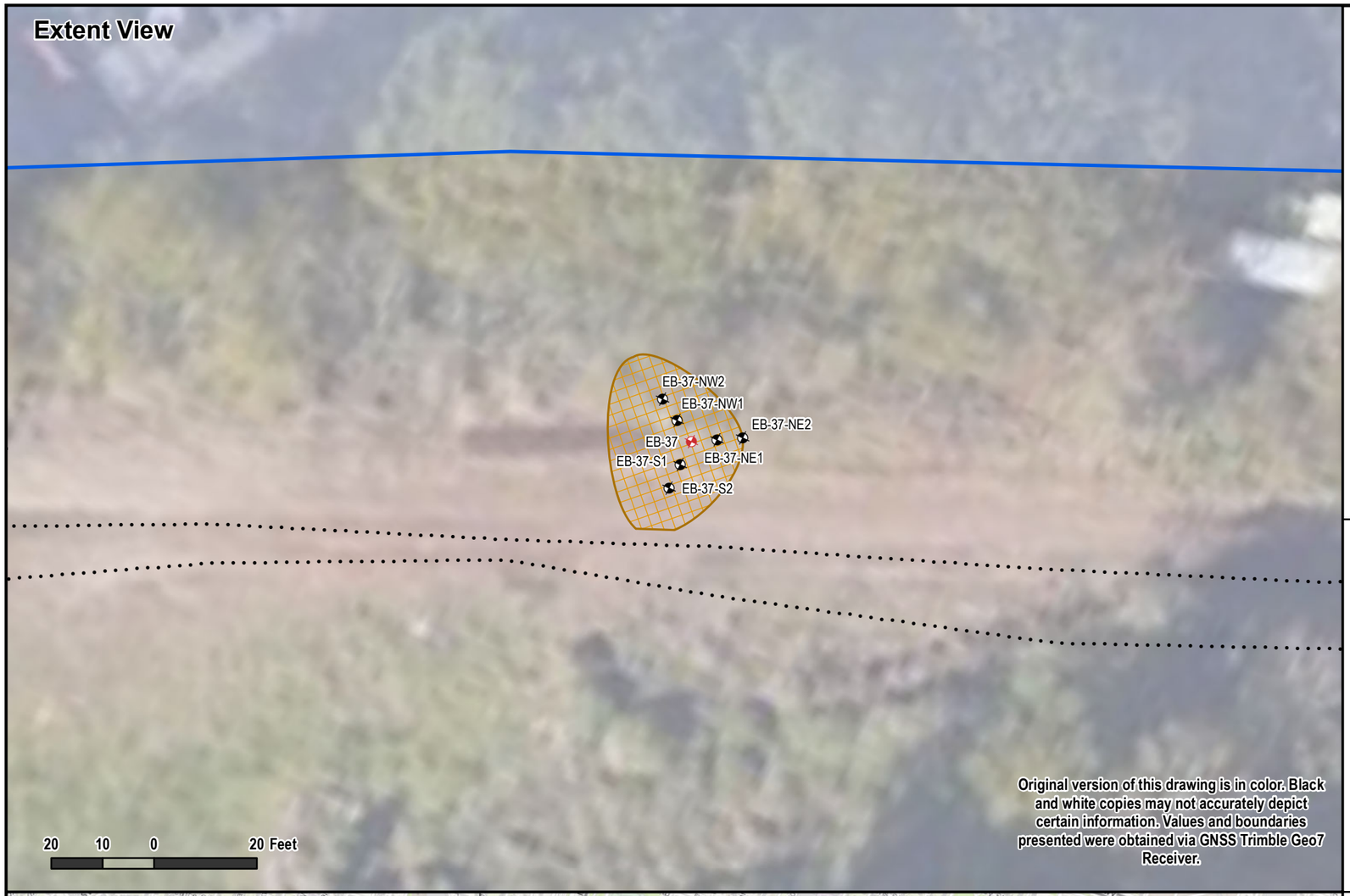
Remediation Area 32

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

DRAWING NUMBER

Exhibit 32

Extent View



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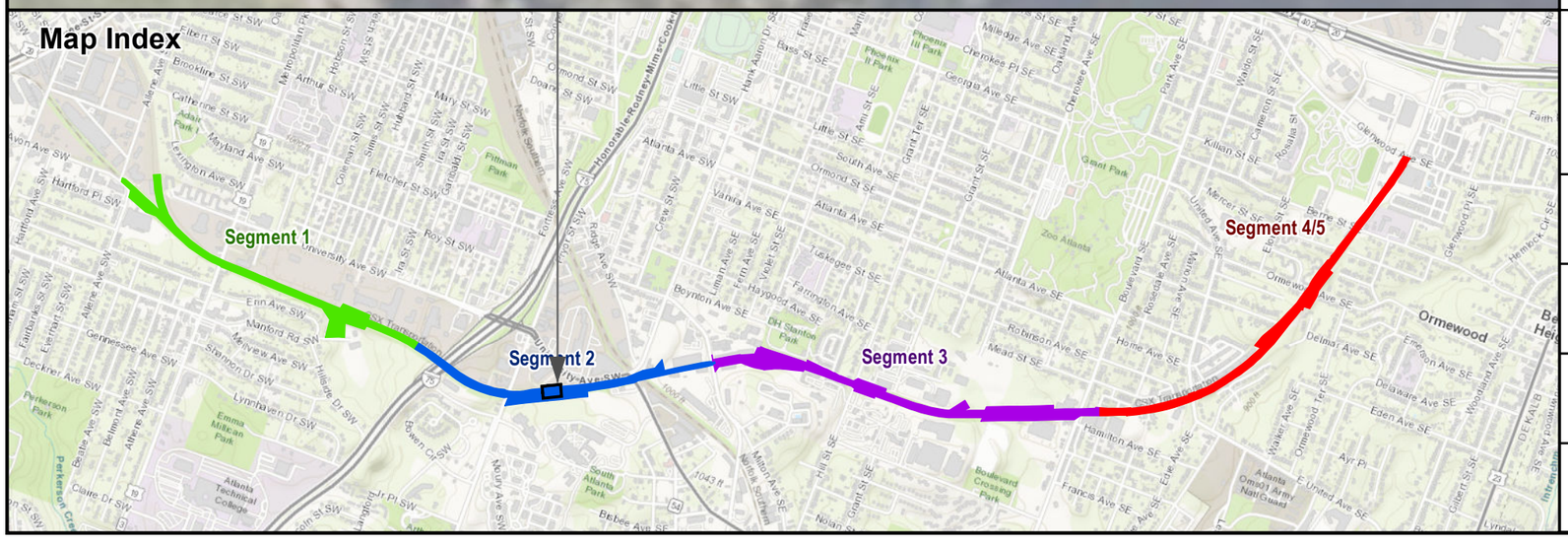
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 75.1 yd³

Approx. Station Number: 166+94

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 3.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: Conflict not removed

- Initial Soil Boring
- Delineation Boring
- Proposed Remedial
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

Remediation Area 33

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

DRAWING NUMBER

Exhibit 33

Extent View

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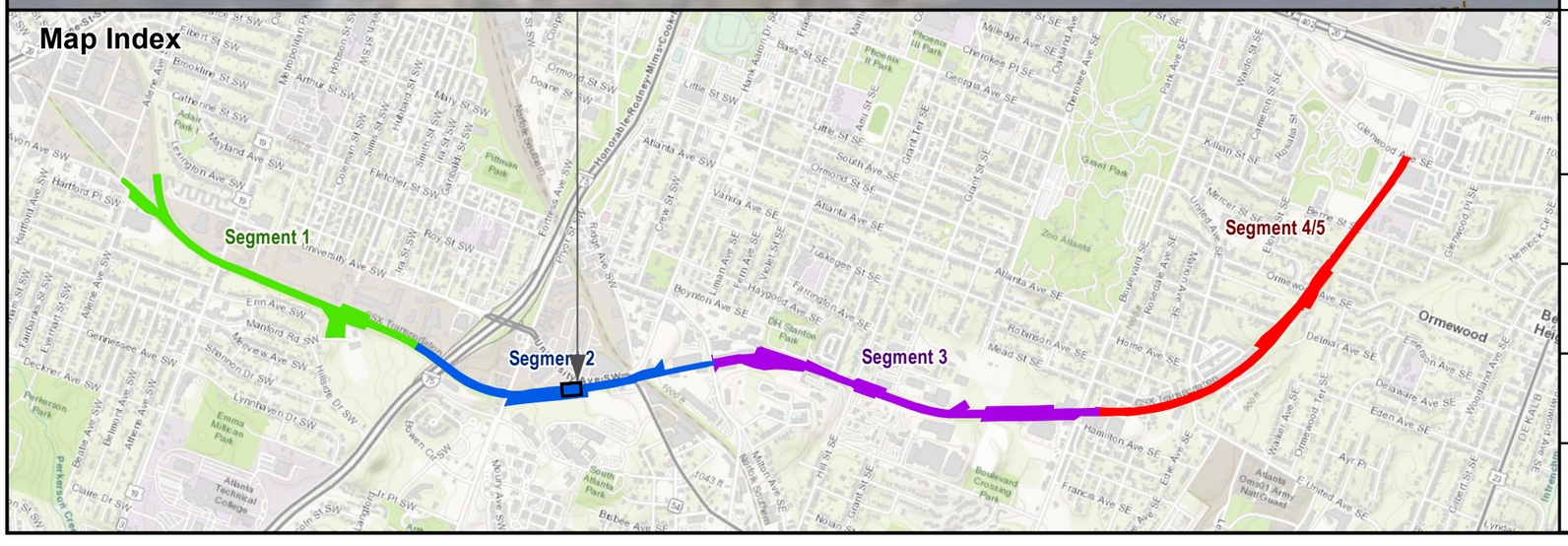
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 22.5 yd³

Approx. Station Number: 169+63

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 2.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: No Conflict

- Temporary Monitoring Well
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

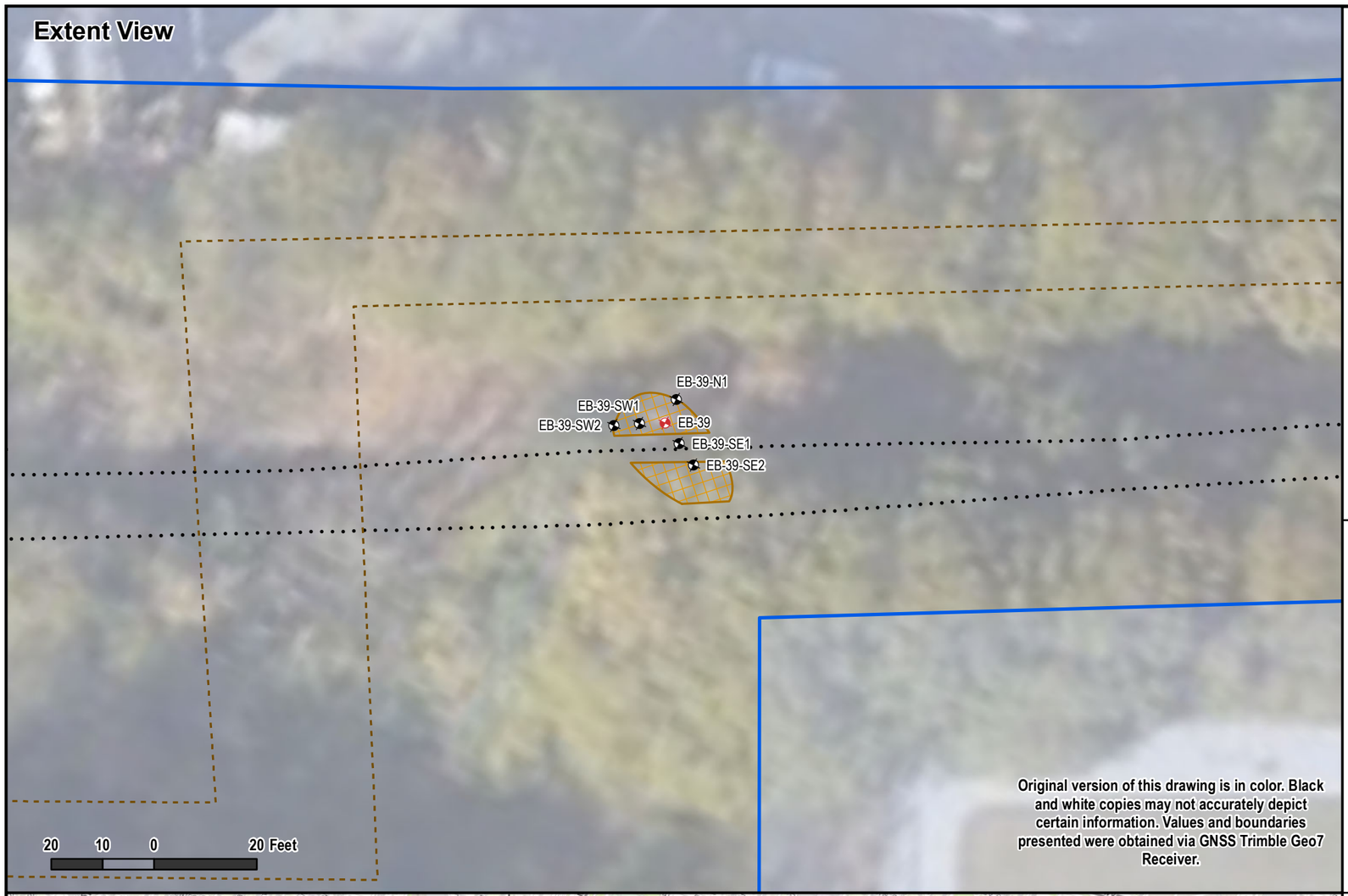
Remediation Area 34

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

DRAWING NUMBER

Exhibit 34

Extent View



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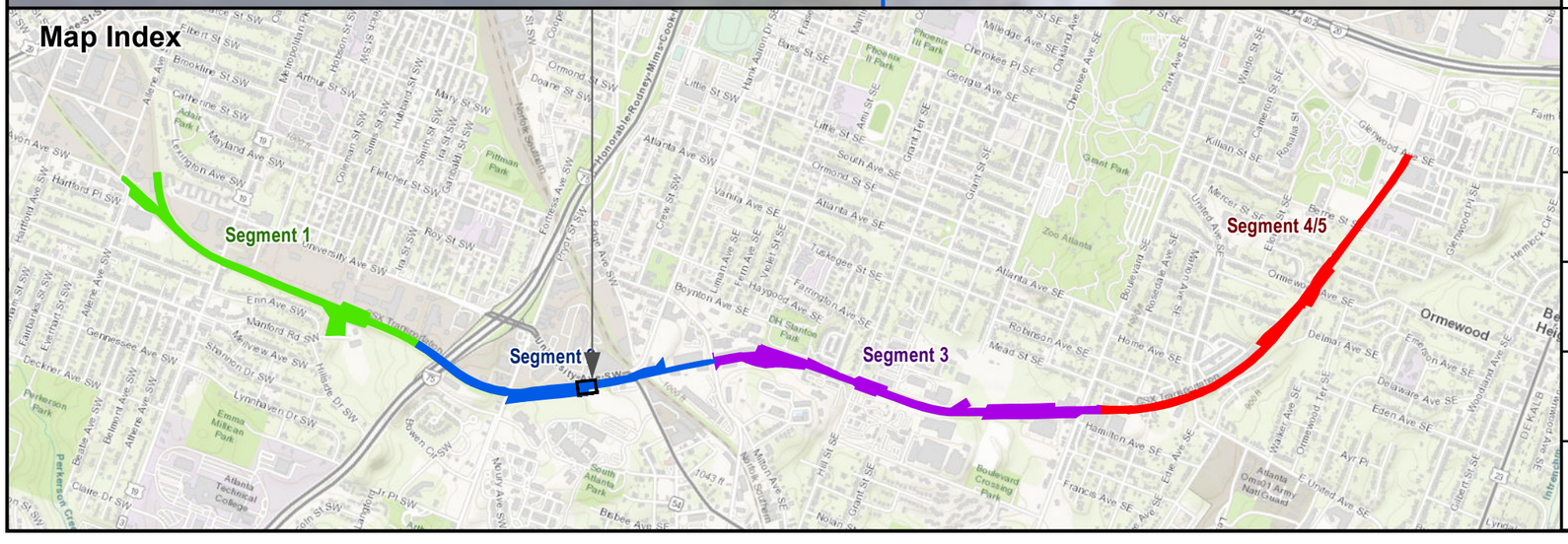
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 30.1 yd³

Approx. Station Number: 171+65

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 3.50 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: Conflict not removed

- Initial Soil Boring
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

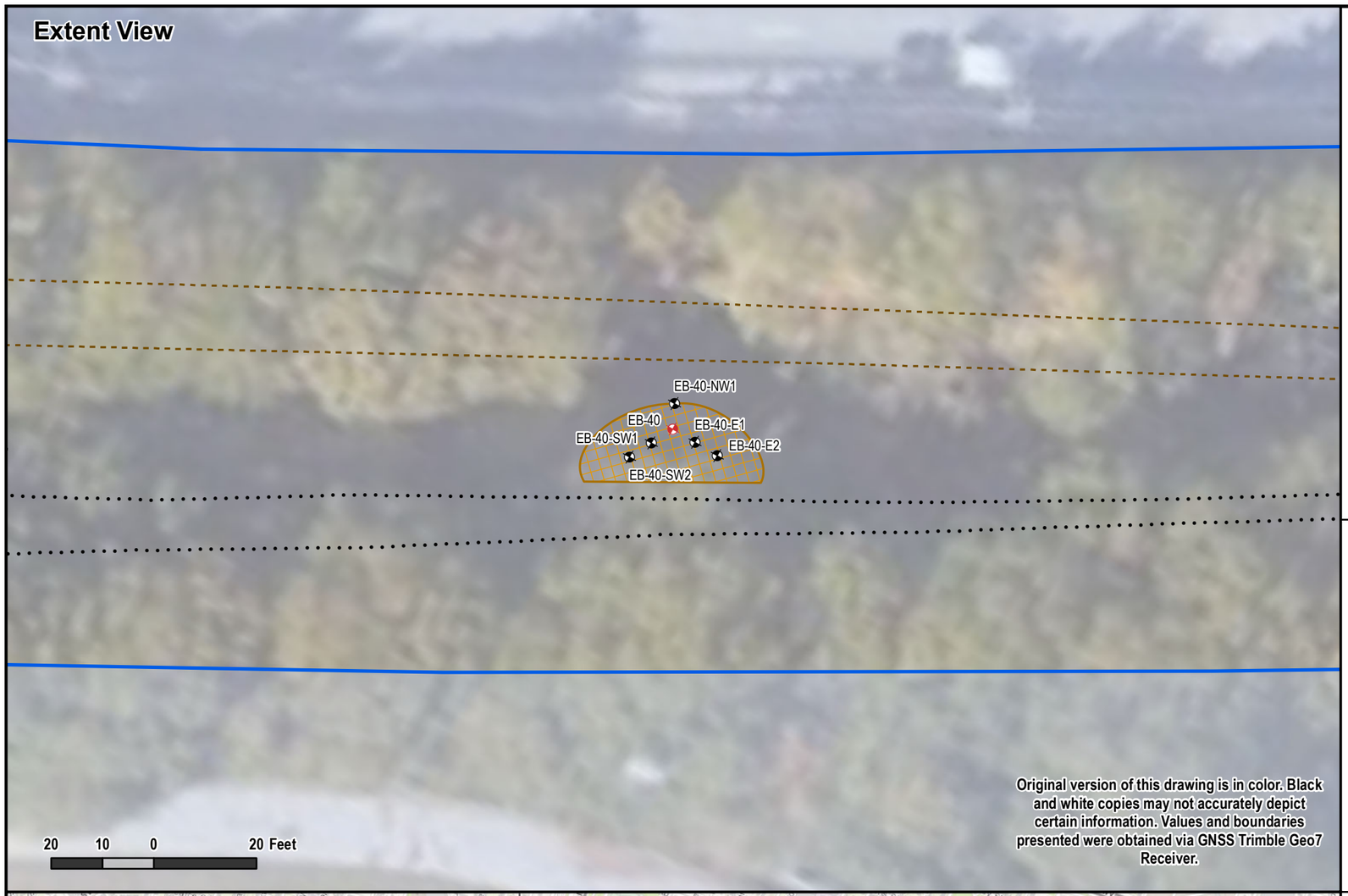
Remediation Area 35

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

DRAWING NUMBER

Exhibit 35

Extent View



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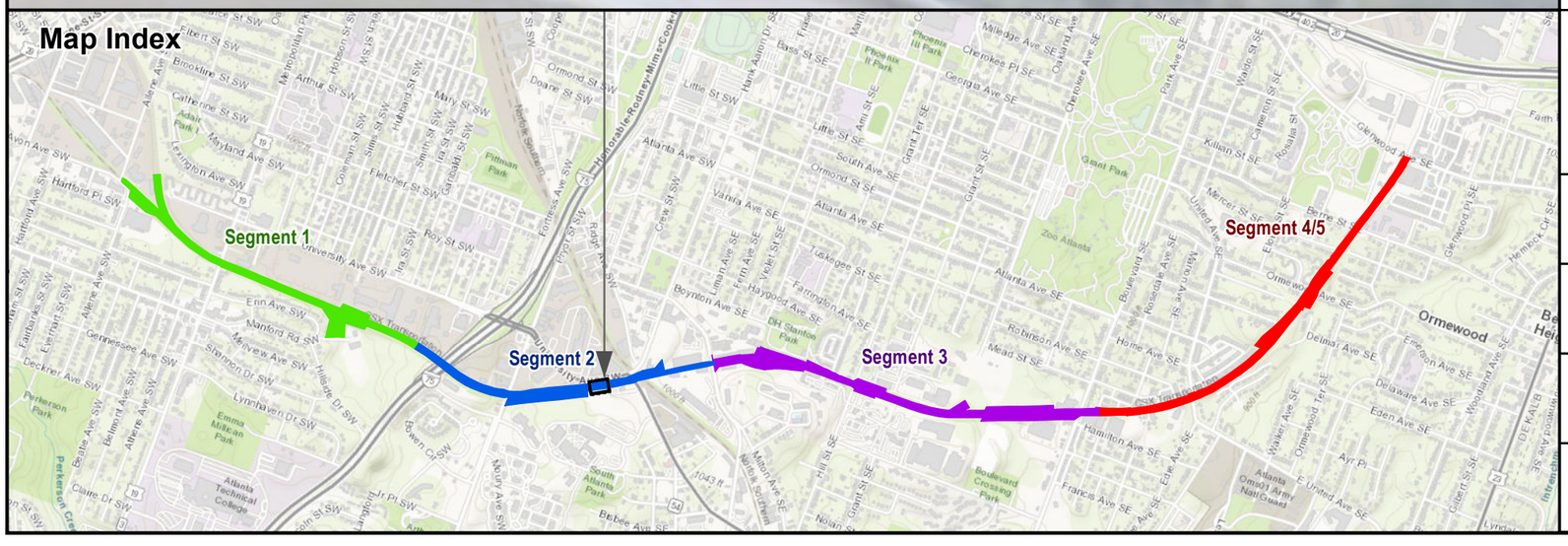
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 16.3 yd³

Approx. Station Number: 173+48

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 1.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: Conflict not removed

- Initial Soil Boring
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

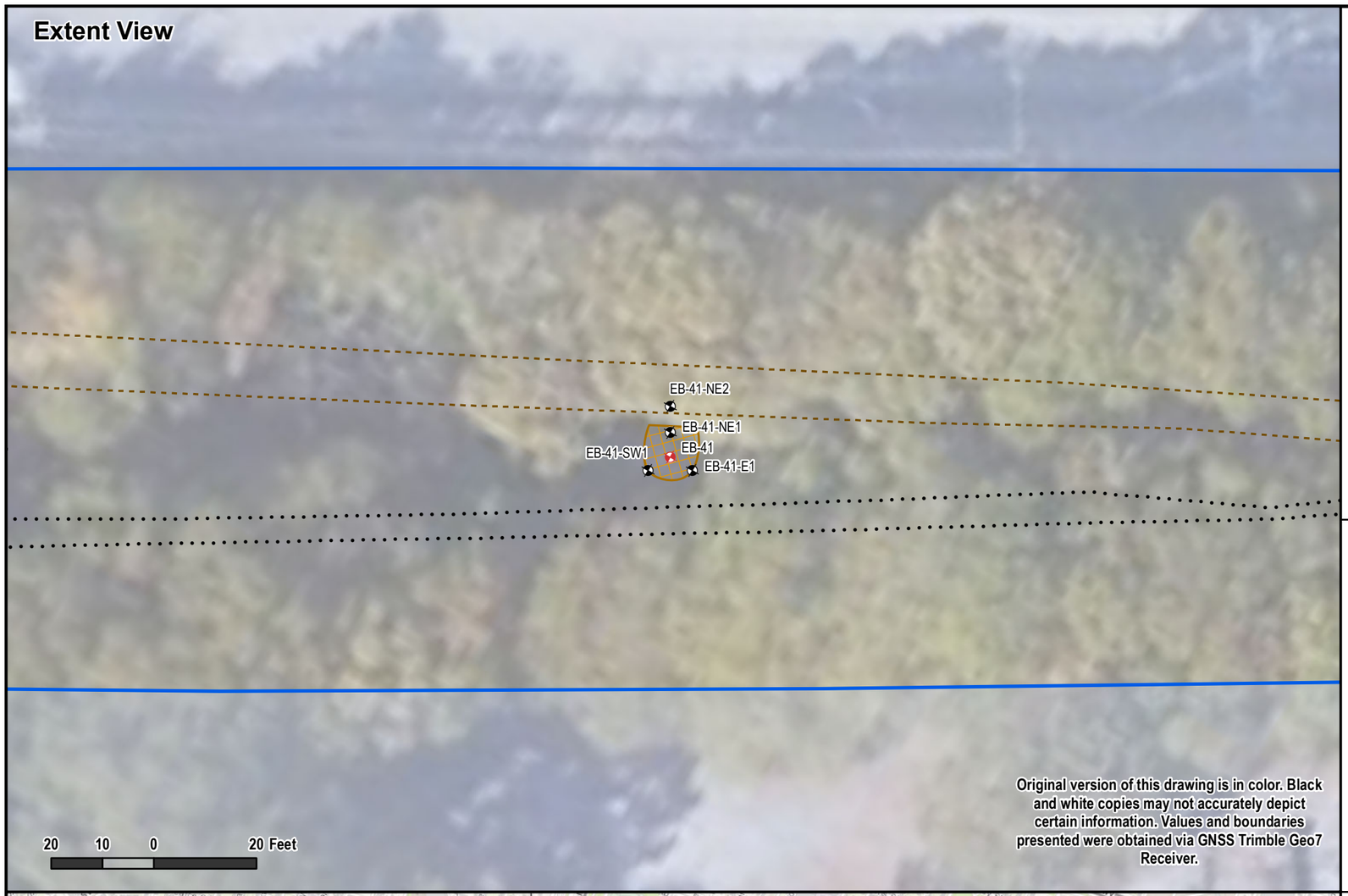
Remediation Area 36

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

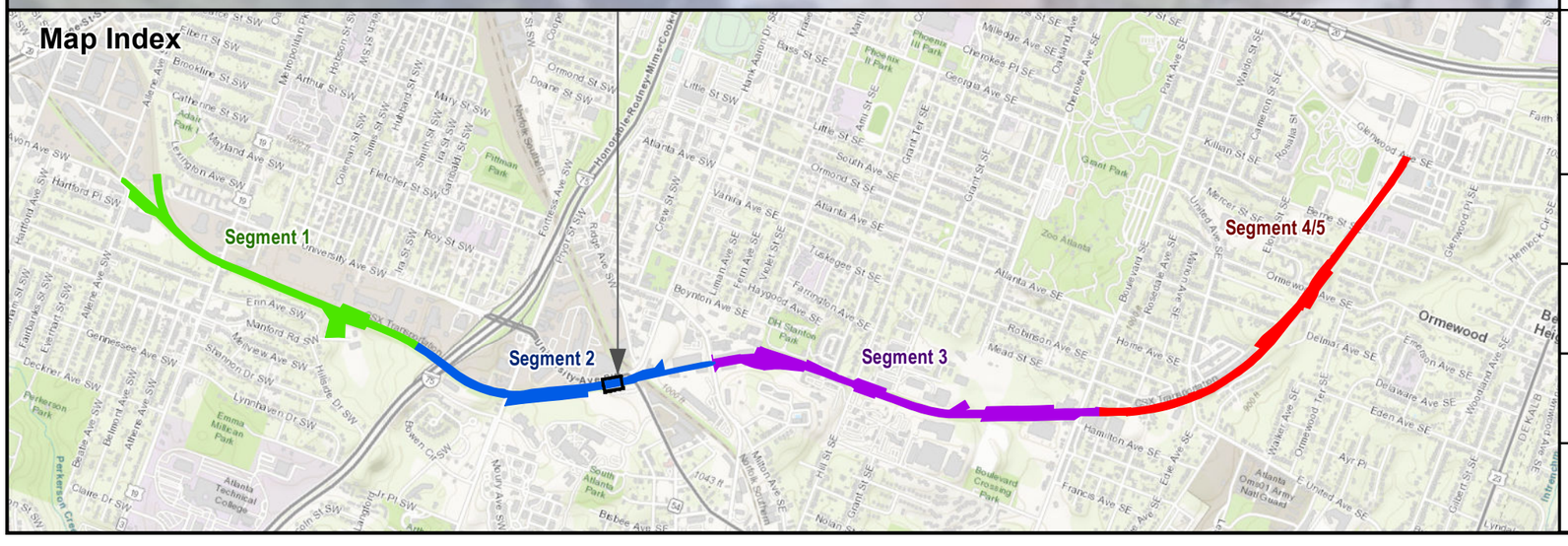
DRAWING NUMBER

Exhibit 36

Extent View



Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 3.7 yd³

Approx. Station Number: 175+42

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 1.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: Conflict not removed

- Initial Soil Boring
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

UNITED CONSULTING
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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

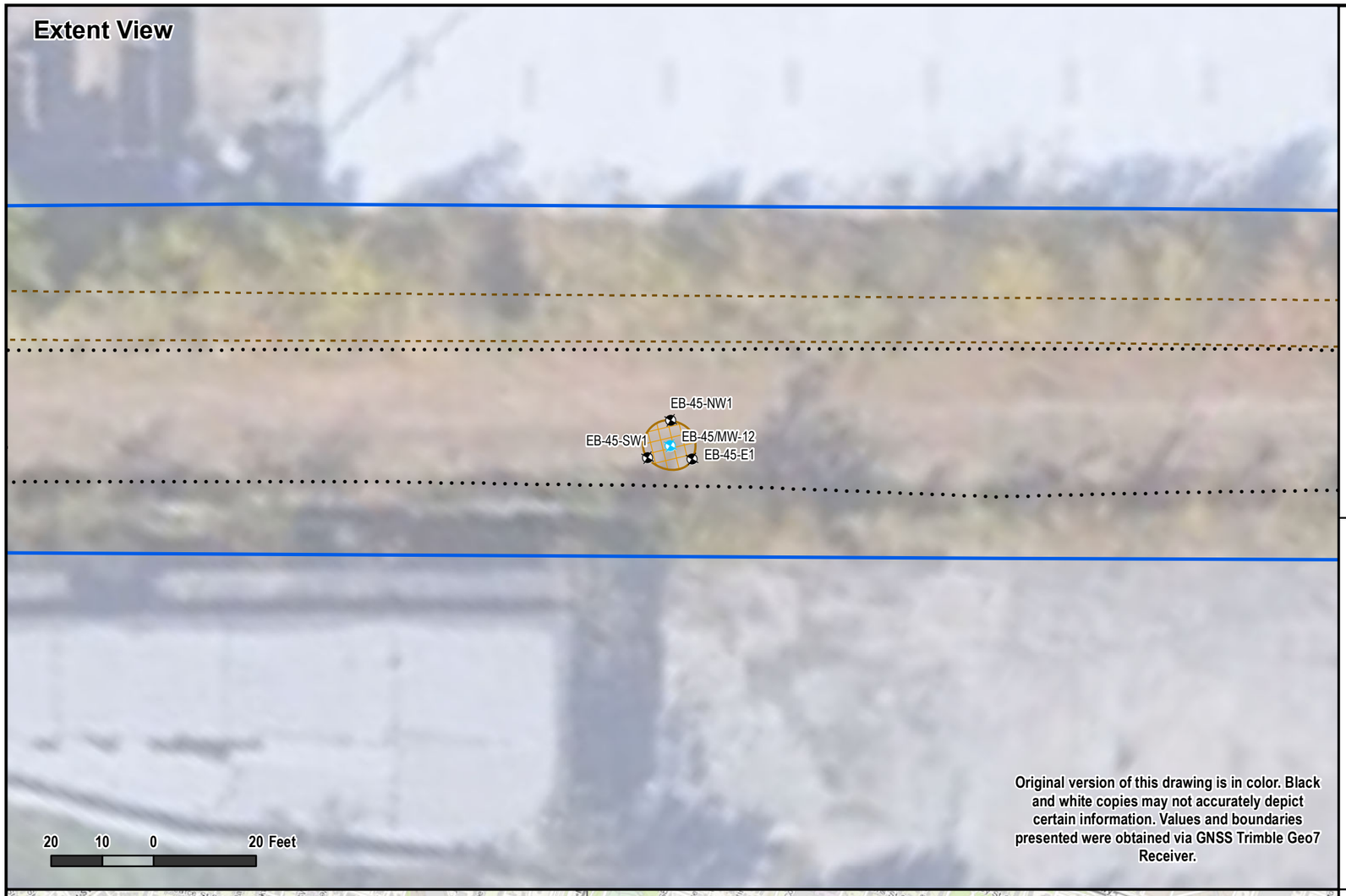
Remediation Area 37

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

DRAWING NUMBER

Exhibit 37

Extent View



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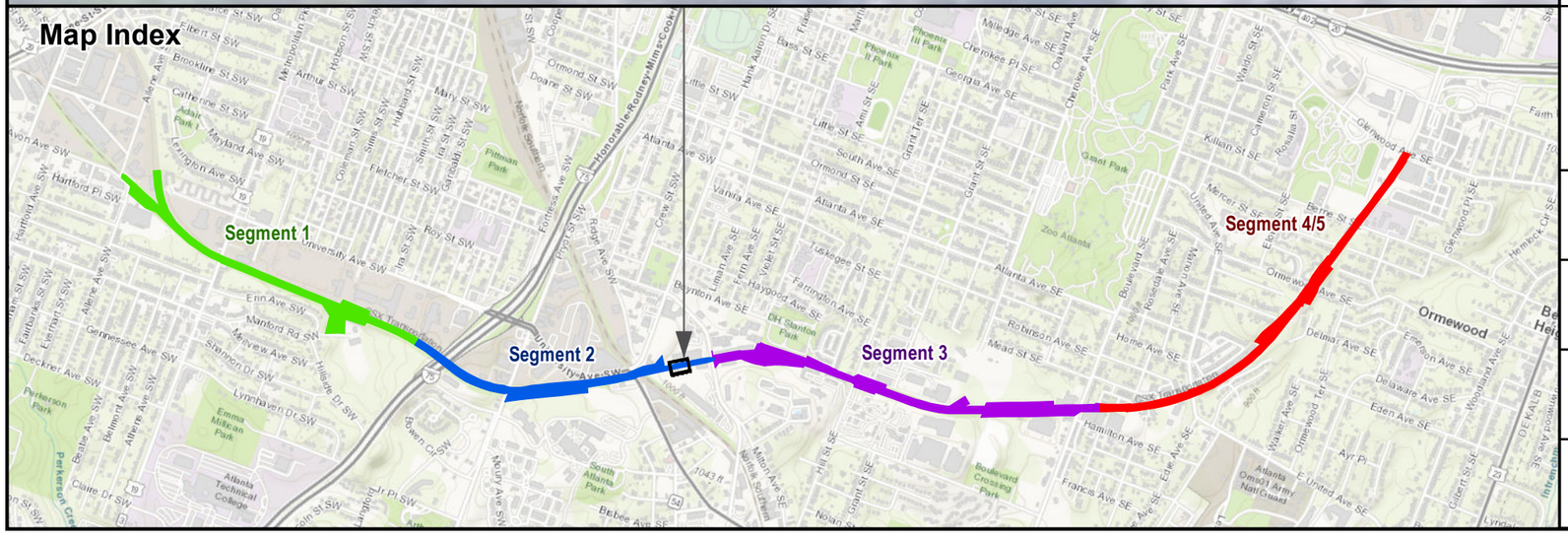
Map Index



Remedial Photograph

Pending Remediation

Summary Notes & Legend

Estimated Cubic Yards (Proposed): 5.7 yd³

Approx. Station Number: 184+94

Constituents of Concern: Arsenic

Proposed Depth of Excavation: 2.00 ft bgs

Measured Depth of Excavation (Center): 0.00 ft bgs

Utility Status: No Conflict

- Temporary Monitoring Well
- Delineation Boring
- Proposed Remedial
- Approx. GDOT Fiber
- MCI/Verizon Utility
- Segment 2 Boundary

REFERENCES

ESRI ArcMap 2020, Google Earth Imagery dated March 2019, USGS, and referenced preliminary boundaries for BeltLine Segments 2-4/5 provided by Kimley-Horn dated April 30, 2020.

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MAIN EXTENT SCALE AND DIRECTION

1 inch = 25 feet

PROJECT

Atlanta BeltLine Southside Trail - Segment 2

CLIENT

Kimley-Horn / BeltLine

SHEET TITLE

Remediation Area 38

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

DRAWING NUMBER

Exhibit 38

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

Notes:

- — Initial Sample with Exceedance
- — Water Table
- < ##.## — Reporting Limit for Constituent
- NR — Not Required (Analysis or Remediation)
- CSNR — Confirmation Sample Not Required due to utility conflict
- XX-#-NW# — Represents Sample Id, direction, and iteration
- (VALUE) — Value in parathesis is a duplicate sample
- Proposed Elev. — Red - Cut / Yellow - Balance / Green - Fill

Highlighted indicates value greater than RRS

					RCRA-Metals (mg/Kg)		VOCs (ug/Kg)	SVOCs (ug/Kg)	
					Arsenic	Lead	Benzene	Benzo(a)pyrene	Benzo(b)fluoranthracene
				Type 3/4	38	400	500	1,640	5,000
				Type 5	63	—	—	—	—
Remediation Area 2	App. Station ID: 182+95	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-44	0-2	6/1/2018	144	108	<220	8400	18000
		EB-44A	3-4	7/15/2020 & 9/4/2020	8.93	—	—	< 450	< 450
		DUP-26	3-4		8.02	—	—	—	—
		EB-44-NW1	0-1	3/8/2019	107	—	—	<420	<420
		EB-44-NW2	0-1		109	—	—	—	—
		EB-44-S1	0-1		91	—	—	<370	510
		EB-44-S2	0-1		24.3	—	—	—	—
		EB-44-E1	0-1		213	—	—	<390	<390
		EB-44-E2	0-1		71.3	—	—	—	—
		Soil Remediation Dates:	5/10/2019 & TBD		Existing Elevation:	982.00'		Proposed Elevation:	978.77'
Remediation Area 3	App. Station ID: 187+00	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-46	0-2	6/1/2018	158	132	<250	1900	2900
		EB-46R	2-3	7/15/2020	<2.91	—	—	<460	—
		EB-46-N1	0-2		71.7	—	—	3800	—
		EB-46-N2	0-2		394	—	—	830	—
		EB-46-SE1	0-2	3/11/2019	55.1	—	—	2500	—
		EB-46-SE2	0-1		40.7	—	—	12000	—
		SE3	—		Excavate to Property Boundary				
		EB-46-W1	0-1		51.1	—	—	<410	—
		EB-46-W2	0-1		54.8	—	—	—	—
		EB-46-E1	0-1		19.5	—	—	<390	—
		Soil Remediation Dates:	5/10/2019 & TBD		Existing Elevation:	976.50'		Proposed Elevation:	975.46'
Remediation Area 29	App. Station ID: 158+77	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-33	0-2	6/5/2018	262	64	<7.0	430	1400
		EB-33A	2-3	7/20/2020	40.8	—	—	—	—
		EB-33-N1	0-2		38.6	—	—	—	—
		EB-33-N2	0-2		22.6	—	—	—	—
		EB-33-SE1	0-2		11.5	—	—	—	—
		EB-33-SW1	0-2		7.7	—	—	—	—
		Soil Remediation Dates:	TBD		Existing Elevation:	983.50'		Proposed Elevation:	981.50'
Remediation Area 30	App. Station ID: 159+14	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-34	0-2	6/6/2018	41.7	47	< 330	< 400	<400
		DUP-6	0-2	6/6/2018	31.8	46.9	< 340	< 400	< 400
		EB-34	23-25	6/7/2018	< 4.25	9.01	< 5.2	< 350	< 350
		EB-34A	2-3	7/20/2020	6.43	—	—	—	—
		EB-34-N1	0-2		91	—	—	—	—
		EB-34-N2	0-2		46.4	—	—	—	—
		EB-34-SE1	0-2		10.5	—	—	—	—
		DUP-30	0-2		13.1	—	—	—	—
		EB-34-SW1	0-2		306	—	—	—	—
		EB-34-SW2	0-2		200	—	—	—	—
		Soil Remediation Dates:	TBD		Existing Elevation:	982.36'		Proposed Elevation:	980.14'

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

Notes:

- — Initial Sample with Exceedance
- — Water Table
- < ##.## — Reporting Limit for Constituent
- NR — Not Required (Analysis or Remediation)
- CSNR — Confirmation Sample Not Required due to utility conflict
- XX-#-NW# — Represents Sample Id, direction, and iteration
- (VALUE) — Value in parathesis is a duplicate sample
- Proposed Elev. — Red - Cut / Yellow - Balance / Green - Fill

				RCRA-Metals (mg/Kg)		VOCs (ug/Kg)	SVOCs (ug/Kg)	
				Arsenic	Lead	Benzene	Benzo(a)pyrene	Benzo(b)fluoranthracene
Highlighted indicates value greater than RRS			Type 3/4	38	400	500	1,640	5,000
			Type 5	63	—	—	—	—
Remediation Area 31	App. Station ID: 161+69	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-35	0-2	6/5/2020	70.8	67.4	<7.0	<380	520
		EB-35A	2-3	7/17/2020	10.8	—	—	—	—
		EB-35-N1	0-2		146	—	—	—	—
		EB-35-N2	0-2		558	—	—	—	—
		EB-35-SE1	0-2		169	—	—	—	—
		EB-35-SE2	0-2		15.2	—	—	—	—
		EB-35-SW1	0-2		430	—	—	—	—
		EB-35-SW2	0-2		89.5	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		982.10'	Proposed Elevation:		981.25'
Remediation Area 32	App. Station ID: 164+80	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-36	0-2	6/5/2018	120	127	<8.3	720	1800
		EB-36A	2-3	7/17/2020	13.9	—	—	—	—
		EB-36-N1	0-2		176	—	—	—	—
		DUP-29	0-2		186	—	—	—	—
		EB-36-N2	0-2		153	—	—	—	—
		EB-36-SE1	0-2		232	—	—	—	—
		EB-36-SE2	0-2		128	—	—	—	—
		EB-36-SW1	0-2		123	—	—	—	—
		EB-36-SW2	0-2		130	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		982.30'	Proposed Elevation:		980.55'
Remediation Area 33	App. Station ID: 166+94	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-37	0-2	6/5/2018	418	112	<6.1	520	1500
		EB-37A	3-4	7/17/2020	106	—	—	—	—
		EB-37-NE1	0-2		154	—	—	—	—
		EB-37-NE2	0-2		37.5	—	—	—	—
		EB-37-S1	0-2		306	—	—	—	—
		EB-37-S2	0-2		304	—	—	—	—
		EB-37-NW1	0-2		257	—	—	—	—
		EB-37-NW2	0-2		70.6	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		982.04'	Proposed Elevation:		980.27'
Remediation Area 34	App. Station ID: 169+63	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-38	0-2	6/14/2018	183	65.9	<5.2	<410	700
		EB-38A	2-3	7/16/2020	183	—	—	—	—
		EB-38-N1	0-2		233	—	—	—	—
		EB-38-N2	0-2		22.8	—	—	—	—
		EB-38-SE1	0-2		61.2	—	—	—	—
		EB-38-SE2	0-2		20.6	—	—	—	—
		EB-38-SW1	0-2		114	—	—	—	—
		DUP-28	0-2		98.2	—	—	—	—
		EB-38-SW2	0-2		18.4	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		983.99'	Proposed Elevation:		983.00'

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

Notes:

- Initial Sample with Exceedance
- Water Table
- < ##.## — Reporting Limit for Constituent
- NR — Not Required (Analysis or Remediation)
- CSNR — Confirmation Sample Not Required due to utility conflict
- XX-#-NW# — Represents Sample Id, direction, and iteration
- (VALUE) — Value in parathesis is a duplicate sample
- Proposed Elev. — Red - Cut / Yellow - Balance / Green - Fill

Highlighted indicates value greater than RRS

					RCRA-Metals (mg/Kg)		VOCs (ug/Kg)	SVOCs (ug/Kg)	
					Arsenic	Lead	Benzene	Benzo(a)pyrene	Benzo(b)fluoranthracene
				Type 3/4	38	400	500	1,640	5,000
				Type 5	63	—	—	—	—
Remediation Area 35	App. Station ID: 171+65	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-39	0-2	6/5/2018	81	73.7	<300	<410	410
		DUP-2	0-2		118	58.6	<300	<400	<400
		EB-39A	2-3	7/16/2020	379	—	—	—	—
		EB-39-N1	0-2		32.3	—	—	—	—
		EB-39-SE1	0-2		167	—	—	—	—
		EB-39-SE2	0-2		144	—	—	—	—
		EB-39-SW1	0-2		451	—	—	—	—
		EB-39-SW2	0-2		<2.05	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		984.00'	Proposed Elevation:		981.94'
Remediation Area 36	App. Station ID: 173+48	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-40	0-2	6/5/2018	226	115	<300	660	1500
		EB-40A	2-3	7/16/2020	<2.12	—	—	—	—
		EB-40-NW1	0-2		2.94	—	—	—	—
		DUP-27	0-2		<2.07	—	—	—	—
		EB-40-E1	0-2		134	—	—	—	—
		EB-40-E2	0-2		225	—	—	—	—
		EB-40-SW1	0-2		162	—	—	—	—
		EB-40-SW2	0-2		330	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		984.00'	Proposed Elevation:		984.00'
Remediation Area 37	App. Station ID: 175+42	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-41	0-2	6/5/2018	72.3	54.4	<5.2	<410	1000
		EB-41A	2-3	7/15/2020	<2.26	—	—	—	—
		EB-41-NE1	0-2		59.6	—	—	—	—
		EB-41-NE2	0-2		35.2	—	—	—	—
		EB-41-E1	0-2		<2.37	—	—	—	—
		EB-41-SW1	0-2		<2.11	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		984.00'	Proposed Elevation:		984.90'
Remediation Area 38	App. Station ID: 184+94	Sample ID	Depth	Date Collected	Atlanta BeltLine Segment 2				
		EB-45	0-2	6/1/2018	46.4	24.1	<5.5	<400	<400
		EB-45A	2-3	7/15/2020	22.2	—	—	—	—
		EB-45-NW1	0-2		<2.24	—	—	—	—
		EB-45-E1	0-2		37.7	—	—	—	—
		DUP-25	0-2		34.7	—	—	—	—
		EB-45-SW1	0-2		13.9	—	—	—	—
		Soil Remediation Dates:	TBD	Existing Elevation:		978.50'	Proposed Elevation:		977.12'

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

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

Remediation Area	Segment	Sample ID	Constituents[1]	Delineated Area (sq. ft.)	Added Area Following Removal of Conflicted Utilities (sqft.)*	Remediation Depth (ft)	Actual Remediated Depth (ft)	Cubic Feet (ft^3)	Cubic Yards (yd^3)	Tons ^	w/20% Contingency
2	2	EB-44	As, B[a]P, B[b]F	382	Conflict not being removed / Previously Remediated for non-Arsenic	3.0	3.12, TBD	1146	42.4	64	76
3	2	EB-46	As, B[a]P	371	Conflict not being removed / Previously Remediated for benzo(a)pyrene	2.5	2.64, TBD	928	34.4	52	62
29	2	EB-33	As	127	NA	3.0	TBD	381	14.1	21	25
30	2	EB-34	As	490	NA	2.0	TBD	980	36.3	54	65
31	2	EB-35	As	620	NA	2.0	TBD	1240	45.9	69	83
32	2	EB-36	As	854	Conflict not being removed	2.0	TBD	1708	63.3	95	114
33	2	EB-37	As	676	Conflict not being removed	3.0	TBD	2028	75.1	113	135
34	2	EB-38	As	304	NA	2.0	TBD	608	22.5	34	41
35	2	EB-39	As	232	Conflict not being removed	3.5	TBD	812	30.1	45	54
36	2	EB-40	As	441	Conflict not being removed	1.0	TBD	441	16.3	25	29
37	2	EB-41	As	100	Conflict not being removed	1.0	TBD	100	3.7	6	7
38	2	EB-45	As	77	NA	2.0	TBD	154	5.7	9	10
								Totals:	389.8	585	702

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] Utility removal unknown at this time; Entire Remedial Area in conflict with Utility

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

Table 3 - Remediation Cut/Fill Analysis and Approach

Location	Segment	Remediation Area	Station Number[1]	Centerline Distance[1] (ft)	Side of Cross Section[1]	Approx. Excavation Cross-sectional Width[1] (ft)	Existing Elevation[1] (ft amsl)	Proposed Elevation[1] (ft amsl)	Difference in Elevation (ft)	Difference in Elevation with Required Cap[2] (ft)	Depth to Clean Sample (ft)	Required Excavation Depth (ft)	Cut or Fill[2]
EB-44	2	2	182+95	3.9	Right	35	982.00	978.77	-3.23	-4.23	3.00	-3.00	Cut
EB-46	2	3	187+00	22	Right	30	976.50	975.46	-1.04	-2.04	2.00	2.50	Cut
EB-33	2	29	158+77	23	Right	15	983.50	981.50	-2.00	-3.00	NVD	-3.00	Cut
EB-34	2	30	159+14	5	Right	25	982.36	980.14	-2.22	-3.22	2.00	-2.00	Cut
EB-35	2	31	161+69	25	Right	35	982.10	981.25	-0.85	-1.85	2.00	-2.00	Cut
EB-36	2	32	164+80	5	Right	35	982.30	980.55	-1.75	-2.75	2.00	-2.00	Cut
EB-37	2	33	166+94	13	Left	40	982.04	980.27	-1.77	-2.77	NVD	-3.00	Cut
EB-38	2	34	169+63	4	Left	20	983.99	983.00	-0.99	-1.99	NVD	-2.00	Cut
EB-39	2	35	171+65	15	Right	25	984.00	981.94	-2.06	-3.06	NVD	-3.50	Cut
EB-40	2	36	173+48	2	Right	20	984.00	984.00	0.00	-1.00	2.00	-1.00	Cut
EB-41	2	37	175+42	2	Left	12	984.00	984.90	0.90	-0.10	2.00	-1.00	Cut
EB-45	2	38	184+94	12	Right	12	978.50	977.12	-1.38	-2.38	2.00	-2.00	Cut

NVD - Not Vertically Delineated (for arsenic)

[1]Based on plans currently-available plans as provided by Kimley Horn

ATTACHMENT D

Boring Logs

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-44

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/1/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.386904085314**	Y COORDINATE/LONG (ft): **33.722254360273**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			Black to dark grey sandy SILT; trace track ballast (Fill)	0	100	EB-44 (0-2)	0	0	Possible slag @ 0 to 2.5 ft bgs
				0.4					
				0.8					
				1.2					
				1.6					
				2					
			Light tan to reddish brown clayey SILT (Residual)	2.4					
				2.8					
				3.2					
				3.6	100		0		
				4					
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; dry	5.2				5	
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
H:/Strater Boring Logs/

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-46

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/1/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.385736919511**	Y COORDINATE/LONG (ft): **33.72281961441**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			Black to dark grey silty SAND; trace track ballast (Fill)	0				0	
				0.4	100		0		Possible slag @ 0 to 1 ft bgs
				0.8					
			Light brown to light tan sandy SILT; trace mica			EB-46 (0-2)			
				1.2					
				1.6					
				2	100		0		
				2.4					
				2.8					
			Red brown silty CLAY (Residual)						
				3.2					
				3.6					
				4	100		0		Moist @ 3 to 5 ft bgs
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; moist					5	
				5.2					
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
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UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-33

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/5/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.39403643054**	Y COORDINATE/LONG (ft): **33.719356350578**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			6" Track ballast	0				0	
				0.4					
			Black to dark grey silty SAND (Fill)	0.8	100	EB-33 (0-2)	0		
				1.2					
				1.6					
				2					
			Reddish brown clayey SILT	2.4					
				2.8					
				3.2					
				3.6	100		0		
				4					
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; dry					5	
				5.2					
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
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UNITED CONSULTING

WELL/PIEZOMETER LOG

PROPOSED ID:

WELL ID: **EB-34/MW-7**

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	CONSTR. START: **6/6/2018**
PROJECT NAME: **Atlanta Beltline - Southside Trail**	DRILLING METHOD: **Direct Push**	CONSTR. COMP: **6/6/2018**
PROJECT NUMBER: **17-GA-01192-02**	DRILLING CONTRACTOR AND EQUIP: **Atlas Geo**	DEVELOPMENT DATE: **N/A**
LOGGED BY: **Jay Fagan & Brandon Sharp**	SAMPLING METHOD: **4-Foot Continuous Sampler**	STATIC GROUNDWATER DEPTH: **N/A**

Depth (feet)	USCS	LITHOLOGY	% REC	Sample ID	OVM	NOTES
0	ML	Reddish brown sandy SILT (Fill)				
	SM	Black silty SAND; crushed slag	100	EB-34 (0-2)	0	Black crushed slag (approx. 1/2" fragments) @ 1.5 to 3 ft bgs
4	ML	Reddish brown sandy clayey SILT				
		Reddish brown sandy SILT; trace clay	75		0	
8	ML		75		0	
12		Light brown to light grey sandy SILT (Residual)	65		0	
16	ML		65		0	
20			60		0	
24	SM	Black to white SAND; PWR	25	EB-34 (23-25)	0	No well installed, dry
		Boring terminated @ 25 ft bgs; dry				

SKETCH

NOTES
Monitoring Well (MW-7) not installed; dry location

Time of Drilling Groundwater Level

24-Hour Groundwater Level

Development Groundwater Level

Surface Elev.: **984 ft AMSL**	Surface Completion: **N/A**	Filter Pack Type: **N/A**	Screen Length: **N/A**
TOC Elev.: **N/A**	Riser Height (Surface): **N/A**	Well Diameter: **N/A**	Screen Slot Size: **N/A**
Northing/Lat.: **-84.393900726023**	Annular Fill Type: **N/A**	Borehole Diameter: **N/A**	Bottom of Screen: **N/A**
Easting/Long.: **33.719426005583**	Annular Sealant Type: **N/A**	Top of Screen: **N/A**	Bottom of Well: **N/A**

UNITED CONSULTING

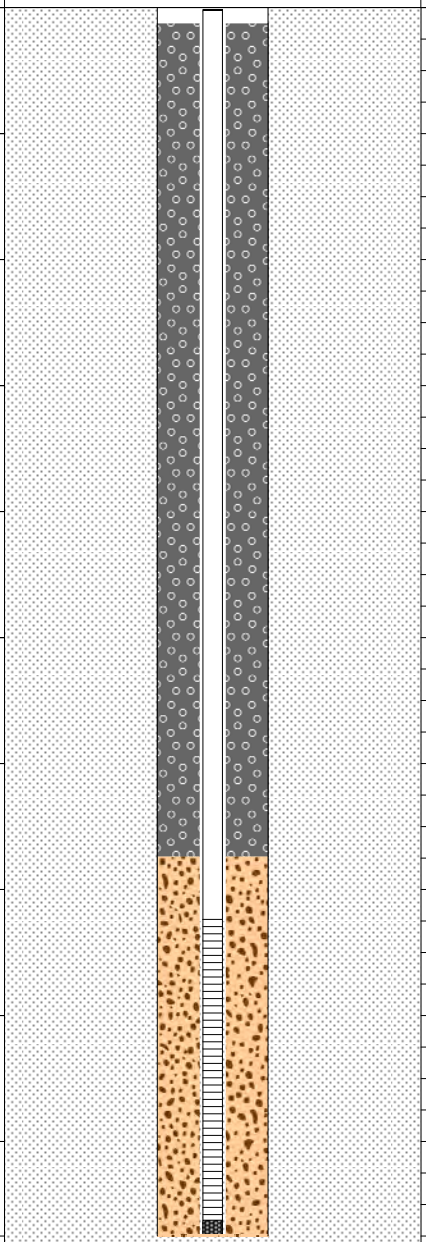
WELL/PIEZOMETER LOG

PROPOSED ID:

WELL ID: **EB-35/MW-7a**

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	CONSTR. START: **6/5/2018**
PROJECT NAME: **Atlanta Beltline - Southside Trail**	DRILLING METHOD: **Direct Push**	CONSTR. COMP: **6/5/2018**
PROJECT NUMBER: **17-GA-01192-02**	DRILLING CONTRACTOR AND EQUIP: **Atlas Geo**	DEVELOPMENT DATE: **6/12/2018**
LOGGED BY: **Jay Fagan & Brandon Sharp**	SAMPLING METHOD: **4-Foot Continuous Sampler**	STATIC GROUNDWATER DEPTH: **34.59 ft bgs**

Depth (feet)	USCS	LITHOLOGY	% REC	Sample ID	OVM	NOTES
0	ML	Black sandy SILT; trace track ballast and pulverized slag (Fill)	100	EB-35 (0-2)	0	
4	ML	Reddish brown to light brown sandy SILT; trace clay	60		0	
8		Light brown to light grey sandy SILT (Residual)	50		0	
12			50		0	
16	ML		60		0	
20			60		0	
24			80		0	
28		Reddish brown to orangish brown silty sandy CLAY	75		0	Saturated @ 28 ft bgs
32	CL		75		0	
36			75		0	
40		Auger refusal at 39 ft bgs; saturated				



NOTES

Surface Elevation is approximate.

Time of Drilling Groundwater Level

24-Hour Groundwater Level

Development Groundwater Level

Surface Elev.: **984 ft AMSL**	Surface Completion: **Flush Mount with Cap**	Filter Pack Type: **Sand**	Screen Length: **10 ft**
TOC Elev.: **N/A**	Riser Height (Surface): **0.0 ft bgs**	Well Diameter: **1"**	Screen Slot Size: **0.01"**
Northing/Lat.: **-84.393098845414**	Annular Fill Type: **Sand**	Borehole Diameter: **3.25"**	Bottom of Screen: **39 ft bgs**
Easting/Long.: **33.719561073594**	Annular Sealant Type: **Bentonite**	Top of Screen: **29 ft bgs**	Bottom of Well: **39 ft bgs**

UNITED CONSULTING

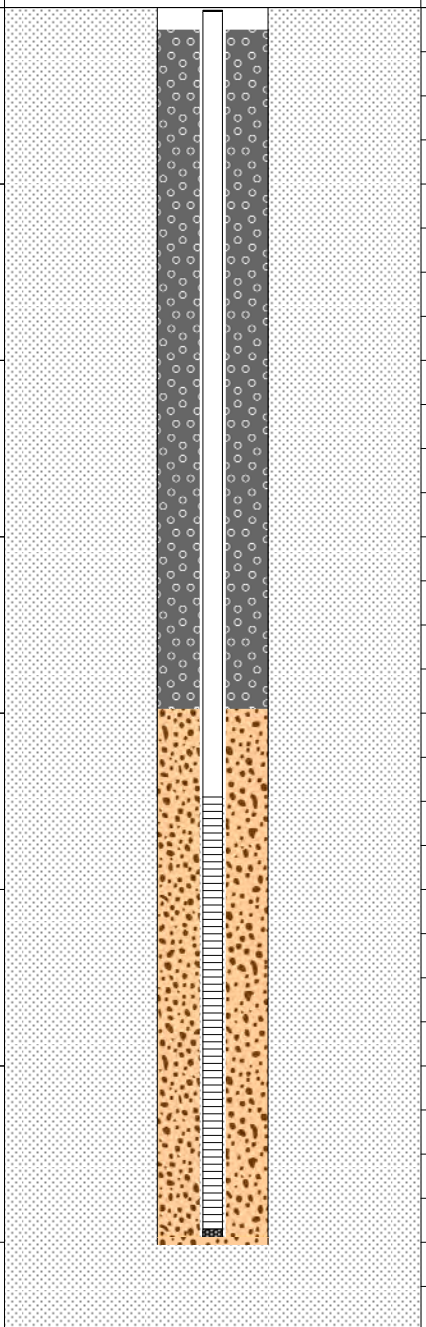
WELL/PIEZOMETER LOG

PROPOSED ID:

WELL ID: **EB-36/MW-8**

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	CONSTR. START: **6/5/2018**
PROJECT NAME: **Atlanta Beltline - Southside Trail**	DRILLING METHOD: **Direct Push**	CONSTR. COMP: **6/5/2018**
PROJECT NUMBER: **17-GA-01192-02**	DRILLING CONTRACTOR AND EQUIP: **Atlas Geo**	DEVELOPMENT DATE: **6/6/2018**
LOGGED BY: **Jay Fagan & Brandon Sharp**	SAMPLING METHOD: **4-Foot Continuous Sampler**	STATIC GROUNDWATER DEPTH: **22.43 ft bgs**

Depth (feet)	USCS	LITHOLOGY	% REC	Sample ID	OVM	NOTES
0	ML	6" Track ballast; black sandy SILT				
	ML	Black sandy SILT (Fill)	100	EB-36 (0-2)	0	Relict rock structures visible @ 2 to 5 ft bgs
		Orangish brown to yellowish brown sandy SILT; trace clay; some mica (Residual)				
4	ML	; to light brown	75		0	
8			95		0	
12	ML		90		0	
16			90		0	
	SM	Light brown silty SAND				Very moist @ 19 ft bgs
20		Dark brown sandy SILT; trace mica	90		0	
	ML					
24		Light grey to light brown silty SAND	10		0	Saturated @ 25 ft bgs
	SM					PWR @ 27 ft bgs
28		Boring terminated @ 28 ft bgs; saturated				



NOTES

Surface Elevation is approximate.

Time of Drilling Groundwater Level

24-Hour Groundwater Level

Development Groundwater Level

Surface Elev.: **984 ft AMSL**	Surface Completion: **Flush Mount with Cap**	Filter Pack Type: **Sand**	Screen Length: **10 ft**
TOC Elev.: **N/A**	Riser Height (Surface): **0.0 ft bgs**	Well Diameter: **1"**	Screen Slot Size: **0.01"**
Northing/Lat.: **-84.392139473771**	Annular Fill Type: **Sand**	Borehole Diameter: **3.25"**	Bottom of Screen: **28 ft bgs**
Easting/Long.: **33.719859414342**	Annular Sealant Type: **Bentonite**	Top of Screen: **18 ft bgs**	Bottom of Well: **28 ft bgs**

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-37

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/5/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.391511502047**	Y COORDINATE/LONG (ft): **33.720123728372**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			6" Track ballast	0				0	
				0.4					
			Black to dark grey silty SAND; trace track ballast and gravel (Fill)	0.8	100	EB-37 (0-2)	0		
				1.2					
				1.6					
			Reddish brown silty CLAY	2					
				2.4					
				2.8					
				3.2					
				3.6	100		0		
				4					
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; dry					5	
				5.2					
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
H:/Strater Boring Logs/

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-38

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/14/2018**	BORING DEPTH: **2 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.390701505228**	Y COORDINATE/LONG (ft): **33.720443481665**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			Reddish brown sandy SILT (Fill)	0	100		0	0	
				0.4					
				0.8					
				1.2					
				1.6					
			Hand auger terminated @ 2 ft bgs; dry	2					
				2.4					
				2.8					
				3.2					
				3.6					
				4					
				4.4					
				4.8					
5				5.2				5	
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
H:/Strater Boring Logs/

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-39

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/5/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.390093130659**	Y COORDINATE/LONG (ft): **33.720650777052**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			Black to dark grey silty SAND; trace track ballast (Fill)	0				0	
				0.4					
				0.8					
			Light to dark tan sandy SILT		100	EB-39 (0-2)	0		
				1.2					
				1.6					
				2					
				2.4					
				2.8					
				3.2					
				3.6	100		0		
			Light to dark tan sandy SILT; trace PWR (Residual)	4					
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; dry					5	
				5.2					
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
H:/Strater Boring Logs/

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-40

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/5/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.389562405661**	Y COORDINATE/LONG (ft): **33.720920662306**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			Black to dark grey silty SAND; trace track ballast (Fill)	0	100	EB-40 (0-2)	0	0	
				0.4					
				0.8					
				1.2					
				1.6					
				2					
			Light brown to light tan sandy SILT; trace clay	2.4					
				2.8					
				3.2					
				3.6	100		0		
				4					
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; dry	5.2				5	
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
H:/Strater Boring Logs/

UNITED CONSULTING

ENVIRONMENTAL BORING LOG

Boring ID : EB-41

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	
PROJECT NAME: **Atlanta Beltline - Southside Trail**	WATER LEVEL - IMMEDIATE: **N/A**	
PROJECT NUMBER: **17-GA-01192-02**	DRILLING METHOD/TYPE: **Hand Auger**	SAMPLING METHOD: **Hand Auger**
LOGGED BY: **Jay Fagan & Brandon Sharp**	DATE DRILLED: **6/5/2018**	BORING DEPTH: **5 ft bgs**
DRILLING CONTRACTOR AND EQUIP: **United Consulting**	X COORDINATE/LAT (ft): **-84.389010429242**	Y COORDINATE/LONG (ft): **33.721179248771**

DEPTH BELOW GROUND SURFACE (ft)	WATER LEVEL	LITHOLOGY: LITHOLOGIC SYMBOL	LITHOLOGY: GEOLOGIC DESCRIPTION OF SOIL AND ROCK STRATA	SAMPLES: DEPTH (Ft)	SAMPLES: RECOVERY (%)	SAMPLES: SAMPLE	SAMPLES: OVM READING (PPM)	SAMPLES: DEPTH (Ft)	NOTES
0			Black to dark grey sandy SILT (Fill)	0				0	
				0.4					
				0.8					
			light brown to light tan sandy SILT; trace mica and clay		100	EB-41 (0-2)	0		
				1.2					
				1.6					
				2					
				2.4					
				2.8					
				3.2					
				3.6	100		0		
				4					
				4.4					
				4.8					
5			Hand auger terminated @ 5 ft bgs; dry					5	
				5.2					
				5.6					

Notes :
ft bgs is feet below ground surface

OVM = Organic Vapor Meter
BGS = Below Ground Surface
TOD = Time of Drilling
H:/Strater Boring Logs/

UNITED CONSULTING

WELL/PIEZOMETER LOG

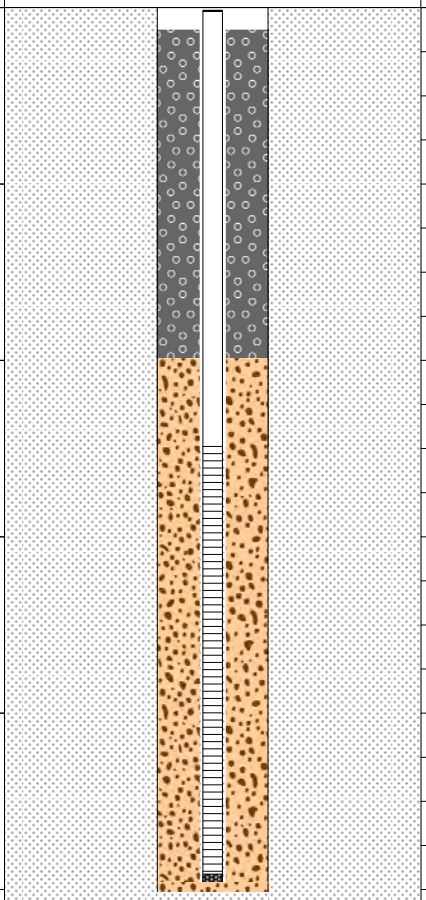
PROPOSED ID:

WELL ID: **EB-45/MW-12**

CLIENT: **Atlanta Beltline, Inc.**	SITE LOCATION: **Atlanta Beltline Southside Trail**	CONSTR. START: **6/1/2018**
PROJECT NAME: **Atlanta Beltline - Southside Trail**	DRILLING METHOD: **Direct Push**	CONSTR. COMP: **6/1/2018**
PROJECT NUMBER: **17-GA-01192-02**	DRILLING CONTRACTOR AND EQUIP: **Atlas Geo**	DEVELOPMENT DATE: **6/7/2018**
LOGGED BY: **Jay Fagan & Brandon Sharp**	SAMPLING METHOD: **4-Foot Continuous Sampler**	STATIC GROUNDWATER DEPTH: **17.95 ft bgs**

Depth (feet)	USCS	LITHOLOGY	% REC	Sample ID	OVM	NOTES
0	SM	Black to dark gray silty SAND; trace track ballast (Fill)	100	EB-45 (0-2)	0	
		Reddish brown to yellowish brown CLAY (Residual)				
4			100		0	
	CL					
8			100		0	
12		Dark brown to dark reddish brown SILT; trace sand; micaceous	95		0	Relict rock structures visible @ 12.5 ft bgs
	ML					
16		Reddish brown sandy SILT; micaceous	100		0	Relict rock structures visibel @ 16 ft bgs
	ML					
20		Boring terminated @ 20 ft bgs; saturated				
24						
28						

SKETCH



NOTES

Surface Elevation is approximate.

Time of Drilling Groundwater Level

24-Hour Groundwater Level

Development Groundwater Level

Surface Elev.: **980 ft AMSL**	Surface Completion: **Flush Mount with Cap**	Filter Pack Type: **Sand**	Screen Length: **10 ft**
TOC Elev.: **N/A**	Riser Height (Surface): **0.0 ft bgs**	Well Diameter: **1"**	Screen Slot Size: **0.01"**
Northing/Lat.: **-84.386340691671**	Annular Fill Type: **Sand**	Borehole Diameter: **3.25"**	Bottom of Screen: **20 ft bgs**
Easting/Long.: **33.722532596897**	Annular Sealant Type: **Bentonite**	Top of Screen: **10 ft bgs**	Bottom of Well: **20 ft bgs**

ATTACHMENT E

Laboratory Analytical Testing Reports

AES

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: Order No: 2007H20

Analytical Environmental Services, Inc. received 27 samples on 7/16/2020 5:12:00 PM
for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2007H20

Date: 7/16/20 Page 1 of 2

COMPANY: UNITED CONSULTING

ADDRESS: 625 HOLCOMB BRIDGE ROAD, NORCROSS, GEORGIA 30071, 770-209-0029 FAX: 770-582-2900

PHONE: 770-842-8956 FAX: 770-582-2900

SAMPLED BY: Spencer Cox SIGNATURE:

ANALYSIS REQUESTED: Arsenic; Benzo(a)Pyrene; Benzene; VOCs; SVOCs; RCRA-8 Metals; TCLP; HOLD

PRESERVATION (See codes): 1; 1

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	REMARKS	No # of Containers
1	EB-46A(2-3)	7/15/20	9:16			SO	HOLD	1
2	EB-46-N1(0-2)		9:25			SO		1
3	EB-46-N2(0-2)		9:30			SO	HOLD	1
4	EB-45A(2-3)		9:45			SO		1
5	EB-45-NW1(0-2)		9:49			SO		1
6	EB-45-NW2(0-2)		9:51			SO	HOLD	1
7	EB-45-E1(0-2)		9:55			SO		1
8	EB-45-E2(0-2)		9:58			SO	HOLD	1
9	EB-45-SW1(0-2)		10:18			SO		1
10	EB-45-DUP25		10:19			SO		1
11	EB-45-SW2(0-2)		10:20			SO	HOLD	1
12	EB-44A(3-4)		10:28			SO		1
13	EB-41-NE1(0-2)		10:55			SO		1
14	EB-41-NE2(0-2)		10:59			SO	HOLD	1
15	EB-41-E1(0-2)		11:15			SO		1
16	EB-41-E2(0-2)		11:25			SO	HOLD	1
17	EB-41-SW1(0-2)		11:48			SO		1
18	EB-41-SW2(0-2)		11:49			SO	HOLD	1
19	EB-41A(2-3)		12:01			SO		1
20	EB-44-DUP26	7/15/20	12:05			SO		1
21	EB-40A(2-3)	7/16/20	9:30			SO		1
22	EB-40-NW1(0-2)		9:39			SO		1
23	EB-40-NW2(0-2)		9:41			SO	HOLD	1
24	EB-40-E1(0-2)		9:59			SO		1
25	EB-40-E2(0-2)		10:01			SO	HOLD	1
26	EB-40-SW1(0-2)		10:05			SO		1
27	EB-40-SW2(0-2)		10:08			SO	HOLD	1
28	EB-40-DUP27		10:10			SO		1
29	EB-39A(2-3)		10:15			SO		1
30	EB-39-N1(0-2)		10:20			SO	HOLD	1
31	EB-39-N2(0-2)		10:25			SO	HOLD	1
32	EB-39-SE1(0-2)		10:28			SO		1
33	EB-39-SE2(0-2)		10:31			SO	HOLD	1
34	EB-39-SW1(0-2)		10:40			SO		1
35	EB-39-SW2(0-2)	7/16/20	10:50			SO	HOLD	1

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	7/16/20 13:10
2:	7/16/20 13:10	2:	7/16/20 17:12
		3: 7/16/20	17:12

SPECIAL INSTRUCTIONS/COMMENTS: SEGMENT 2

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: Atlanta Beltline
PROJECT #: 20-GA-01192-11, -12, -13
SITE ADDRESS: Atlanta
SEND REPORT TO: Spencer Cox
INVOICE TO: (IF DIFFERENT FROM ABOVE)
PO# 8390

RECEIPT
Total # of Containers: 35

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other ____ 4 Day Turn

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2007H20

Date: 7/16/20 Page 2 of 2

COMPANY: UNITED CONSULTING

ADDRESS: 625 HOLCOMB BRIDGE ROAD, NORCROSS, GEORGIA 30071
770-209-0029 FAX: 770-582-2900

PHONE: 770-842-8956

FAX: 770-582-2900

SAMPLED BY: Spencer Cox

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	Arsenic (Dissolved)	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
	PRESERVATION (See codes)						1										
1	EB-38A (2-3)	7/16/20	10:55			SO											1
2	EB-38-N1 (0-2)		10:57			SO											1
3	EB-38-N2 (0-2)		10:58			SO										HOLD	1
4	EB-38-SE1 (0-2)		10:59			SO											1
5	EB-38-SE2 (0-2)		11:01			SO										HOLD	1
6	EB-38-SW1 (0-2)		11:10			SO											1
7	EB-38-SW2 (0-2)		11:15			SO										HOLD	1
8	RS-1	7/16/20	11:31			W											1
9	EB-38-DUP2B	7/16/20	11:35			SO											1
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
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31																	
32																	
33																	
34																	
35																	

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	7/16/20 13:10
2:	7/16/20 13:10	2:	7/16/20 7:12
		3:	7/16/20 17:12

SPECIAL INSTRUCTIONS/COMMENTS:

SEGMENT 2

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: Atlanta Beltline

PROJECT #: 20-GA-01192-11, -12, -13

SITE ADDRESS: Atlanta

SEND REPORT TO: Spencer Cox

INVOICE TO: (IF DIFFERENT FROM ABOVE)

PO# 8390

RECEIPT

Total # of Containers: 9

Turnaround Time Request

- [X] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other ____ 4 Day Turn

STATE PROGRAM (if any): _____

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

DATA PACKAGE: I II III IV

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-46-N1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 9:25:00 AM
Lab ID:	2007H20-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3546)**				
Benzo(a)pyrene	3800	350		ug/Kg-dry	300159	1	07/21/2020 01:28	HL
Surr: 2-Fluorobiphenyl	89.4	54.4-120		%REC	300159	1	07/21/2020 01:28	HL
Surr: 4-Terphenyl-d14	86.6	60.4-120		%REC	300159	1	07/21/2020 01:28	HL
Surr: Nitrobenzene-d5	79	51-120		%REC	300159	1	07/21/2020 01:28	HL
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	71.7	2.04		mg/Kg-dry	300148	1	07/22/2020 09:10	AJ
PERCENT MOISTURE D2216								
Percent Moisture	5.01	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-45A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 9:45:00 AM
Lab ID:	2007H20-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	22.2	2.05		mg/Kg-dry	300148	1	07/22/2020 09:12	AJ
PERCENT MOISTURE D2216								
Percent Moisture	8.89	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-45-NW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 9:49:00 AM
Lab ID:	2007H20-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.24		mg/Kg-dry	300148	1	07/22/2020 09:15	AJ
PERCENT MOISTURE D2216								
Percent Moisture	16.8	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-45-E1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 9:55:00 AM
Lab ID:	2007H20-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	37.7	1.91		mg/Kg-dry	300148	1	07/22/2020 09:17	AJ
PERCENT MOISTURE D2216								
Percent Moisture	5.56	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-45-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 10:18:00 AM
Lab ID:	2007H20-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	13.9	2.04		mg/Kg-dry	300148	1	07/22/2020 09:19	AJ
PERCENT MOISTURE D2216								
Percent Moisture	9.87	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-45DUP 25
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 10:19:00 AM
Lab ID:	2007H20-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	34.7	1.90		mg/Kg-dry	300148	1	07/22/2020 09:22	AJ
PERCENT MOISTURE D2216								
Percent Moisture	4.49	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-44A (3-4)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 10:28:00 AM
Lab ID:	2007H20-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	8.93	2.45		mg/Kg-dry	300148	1	07/22/2020 09:24	AJ
PERCENT MOISTURE D2216								
Percent Moisture	21.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-41-NE1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 10:55:00 AM
Lab ID:	2007H20-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	59.6	2.29		mg/Kg-dry	300148	1	07/22/2020 09:31	AJ
PERCENT MOISTURE D2216								
Percent Moisture	18.1	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-41-E1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 11:15:00 AM
Lab ID:	2007H20-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.37		mg/Kg-dry	300148	2	07/22/2020 11:44	AJ
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-41-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 11:48:00 AM
Lab ID:	2007H20-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.11		mg/Kg-dry	300148	1	07/22/2020 10:22	AJ
PERCENT MOISTURE D2216								
Percent Moisture	14.6	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-41A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 12:01:00 PM
Lab ID:	2007H20-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.26		mg/Kg-dry	300148	1	07/22/2020 08:54	AJ
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-44DUP 26
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 12:05:00 PM
Lab ID:	2007H20-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	8.02	2.21		mg/Kg-dry	300148	1	07/22/2020 09:38	AJ
PERCENT MOISTURE D2216								
Percent Moisture	18.9	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 9:30:00 AM
Lab ID:	2007H20-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.12		mg/Kg-dry	300148	1	07/22/2020 09:41	AJ
PERCENT MOISTURE D2216								
Percent Moisture	15.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40-NW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 9:38:00 AM
Lab ID:	2007H20-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	2.94	2.35		mg/Kg-dry	300148	1	07/22/2020 10:24	AJ
PERCENT MOISTURE D2216								
Percent Moisture	16.6	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40-E1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 9:59:00 AM
Lab ID:	2007H20-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	134	2.25		mg/Kg-dry	300148	1	07/22/2020 09:45	AJ
PERCENT MOISTURE D2216								
Percent Moisture	16.5	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:05:00 AM
Lab ID:	2007H20-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	162	2.30		mg/Kg-dry	300148	1	07/22/2020 09:48	AJ
PERCENT MOISTURE D2216								
Percent Moisture	13.8	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40DUP 27
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:10:00 AM
Lab ID:	2007H20-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.07		mg/Kg-dry	300148	1	07/22/2020 09:50	AJ
PERCENT MOISTURE D2216								
Percent Moisture	13.1	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-39A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:15:00 AM
Lab ID:	2007H20-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	379	2.19		mg/Kg-dry	300148	1	07/22/2020 09:52	AJ
PERCENT MOISTURE D2216								
Percent Moisture	15.0	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-39-N1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:20:00 AM
Lab ID:	2007H20-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	32.3	2.21		mg/Kg-dry	300148	1	07/22/2020 09:59	AJ
PERCENT MOISTURE D2216								
Percent Moisture	15.4	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-39-SE1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:28:00 AM
Lab ID:	2007H20-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	167	2.13		mg/Kg-dry	300148	1	07/22/2020 10:02	AJ
PERCENT MOISTURE D2216								
Percent Moisture	15.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-39-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:40:00 AM
Lab ID:	2007H20-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	451	2.57		mg/Kg-dry	300147	1	07/21/2020 11:18	AJ
PERCENT MOISTURE D2216								
Percent Moisture	16.1	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:55:00 AM
Lab ID:	2007H20-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	183	2.23		mg/Kg-dry	300147	1	07/21/2020 11:25	AJ
PERCENT MOISTURE D2216								
Percent Moisture	17.3	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-N1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:57:00 AM
Lab ID:	2007H20-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	233	2.27		mg/Kg-dry	300147	1	07/21/2020 11:28	AJ
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-SE1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:59:00 AM
Lab ID:	2007H20-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	61.2	2.07		mg/Kg-dry	300147	1	07/21/2020 11:30	AJ
PERCENT MOISTURE D2216								
Percent Moisture	8.87	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 11:10:00 AM
Lab ID:	2007H20-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	114	2.60		mg/Kg-dry	300147	1	07/21/2020 11:32	AJ
PERCENT MOISTURE D2216								
Percent Moisture	19.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	RS-1
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 11:31:00 AM
Lab ID:	2007H20-043	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED SW6010D (SW3005A)								
Arsenic	BRL	0.0100		mg/L	300152	1	07/22/2020 12:43	KB

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-DUP28
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 11:35:00 AM
Lab ID:	2007H20-044	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	98.2	2.08		mg/Kg-dry	300147	1	07/21/2020 11:35	AJ
PERCENT MOISTURE D2216								
Percent Moisture	14.7	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-46-N1 (0-2)			**Lab ID:** 2007H20-002			
Collection Date: 7/15/2020 9:25:00 AM			**Matrix:** Soil			
POLYAROMATIC HYDROCARBONS SW8270D			**(SW3546)**			
Benzo(a)pyrene	3800		350	ug/Kg-dry	300159	1
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	71.7		2.04	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	5.01		0	wt%	R430459	1
Client Sample ID: EB-45A (2-3)			**Lab ID:** 2007H20-004			
Collection Date: 7/15/2020 9:45:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	22.2		2.05	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	8.89		0	wt%	R430459	1
Client Sample ID: EB-45-NW1 (0-2)			**Lab ID:** 2007H20-005			
Collection Date: 7/15/2020 9:49:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	16.8		0	wt%	R430459	1
Client Sample ID: EB-45-E1 (0-2)			**Lab ID:** 2007H20-007			
Collection Date: 7/15/2020 9:55:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	37.7		1.91	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	5.56		0	wt%	R430459	1
Client Sample ID: EB-45-SW1 (0-2)			**Lab ID:** 2007H20-009			
Collection Date: 7/15/2020 10:18:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	13.9		2.04	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	9.87		0	wt%	R430459	1
Client Sample ID: EB-45DUP 25			**Lab ID:** 2007H20-010			
Collection Date: 7/15/2020 10:19:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	34.7		1.90	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	4.49		0	wt%	R430459	1
Client Sample ID: EB-44A (3-4)			**Lab ID:** 2007H20-012			
Collection Date: 7/15/2020 10:28:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	8.93		2.45	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	21.2		0	wt%	R430459	1
Client Sample ID: EB-41-NE1 (0-2)			**Lab ID:** 2007H20-013			
Collection Date: 7/15/2020 10:55:00 AM			**Matrix:** Soil			

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-41-NE1 (0-2)			**Lab ID:** 2007H20-013			
Collection Date: 7/15/2020 10:55:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	59.6		2.29	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	18.1		0	wt%	R430459	1
Client Sample ID: EB-41-E1 (0-2)			**Lab ID:** 2007H20-015			
Collection Date: 7/15/2020 11:15:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	17.2		0	wt%	R430459	1
Client Sample ID: EB-41-SW1 (0-2)			**Lab ID:** 2007H20-017			
Collection Date: 7/15/2020 11:48:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	14.6		0	wt%	R430459	1
Client Sample ID: EB-41A (2-3)			**Lab ID:** 2007H20-019			
Collection Date: 7/15/2020 12:01:00 PM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	14.4		0	wt%	R430459	1
Client Sample ID: EB-44DUP 26			**Lab ID:** 2007H20-020			
Collection Date: 7/15/2020 12:05:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	8.02		2.21	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	18.9		0	wt%	R430459	1
Client Sample ID: EB-40A (2-3)			**Lab ID:** 2007H20-021			
Collection Date: 7/16/2020 9:30:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	15.2		0	wt%	R430459	1
Client Sample ID: EB-40-NW1 (0-2)			**Lab ID:** 2007H20-022			
Collection Date: 7/16/2020 9:38:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	2.94		2.35	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	16.6		0	wt%	R430459	1
Client Sample ID: EB-40-E1 (0-2)			**Lab ID:** 2007H20-024			
Collection Date: 7/16/2020 9:59:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	134		2.25	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	16.5		0	wt%	R430459	1
Client Sample ID: EB-40-SW1 (0-2)			**Lab ID:** 2007H20-026			
Collection Date: 7/16/2020 10:05:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	162		2.30	mg/Kg-dry	300148	1

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-40-SW1 (0-2)			**Lab ID:** 2007H20-026			
Collection Date: 7/16/2020 10:05:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	13.8		0	wt%	R430459	1
Client Sample ID: EB-40DUP 27			**Lab ID:** 2007H20-028			
Collection Date: 7/16/2020 10:10:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	13.1		0	wt%	R430459	1
Client Sample ID: EB-39A (2-3)			**Lab ID:** 2007H20-029			
Collection Date: 7/16/2020 10:15:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D (SW3050B)						
Arsenic	379		2.19	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	15.0		0	wt%	R430459	1
Client Sample ID: EB-39-N1 (0-2)			**Lab ID:** 2007H20-030			
Collection Date: 7/16/2020 10:20:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D (SW3050B)						
Arsenic	32.3		2.21	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	15.4		0	wt%	R430459	1
Client Sample ID: EB-39-SE1 (0-2)			**Lab ID:** 2007H20-032			
Collection Date: 7/16/2020 10:28:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D (SW3050B)						
Arsenic	167		2.13	mg/Kg-dry	300148	1
PERCENT MOISTURE D2216						
Percent Moisture	15.2		0	wt%	R430459	1
Client Sample ID: EB-39-SW1 (0-2)			**Lab ID:** 2007H20-034			
Collection Date: 7/16/2020 10:40:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D (SW3050B)						
Arsenic	451		2.57	mg/Kg-dry	300147	1
PERCENT MOISTURE D2216						
Percent Moisture	16.1		0	wt%	R430459	1
Client Sample ID: EB-38A (2-3)			**Lab ID:** 2007H20-036			
Collection Date: 7/16/2020 10:55:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D (SW3050B)						
Arsenic	183		2.23	mg/Kg-dry	300147	1
PERCENT MOISTURE D2216						
Percent Moisture	17.3		0	wt%	R430459	1
Client Sample ID: EB-38-N1 (0-2)			**Lab ID:** 2007H20-037			
Collection Date: 7/16/2020 10:57:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D (SW3050B)						
Arsenic	233		2.27	mg/Kg-dry	300147	1
PERCENT MOISTURE D2216						
Percent Moisture	15.1		0	wt%	R430459	1

Analytical Environmental Services, Inc

Date: 24-Jul-20

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-38-SE1 (0-2)			**Lab ID:** 2007H20-039			
Collection Date: 7/16/2020 10:59:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	61.2		2.07	mg/Kg-dry	300147	1
PERCENT MOISTURE D2216						
Percent Moisture	8.87		0	wt%	R430459	1
Client Sample ID: EB-38-SW1 (0-2)			**Lab ID:** 2007H20-041			
Collection Date: 7/16/2020 11:10:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	114		2.60	mg/Kg-dry	300147	1
PERCENT MOISTURE D2216						
Percent Moisture	19.2		0	wt%	R430459	1
Client Sample ID: EB-38-DUP28			**Lab ID:** 2007H20-044			
Collection Date: 7/16/2020 11:35:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	98.2		2.08	mg/Kg-dry	300147	1
PERCENT MOISTURE D2216						
Percent Moisture	14.7		0	wt%	R430459	1

Qualifiers:

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

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: **2007I99**

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?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 2.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). LM 7/18/20

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). LM 7/18/20

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* 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.

I certify that I have completed sections 28-30 (dated initials). LM 7/18/20

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007H20

ANALYTICAL QC SUMMARY REPORT

BatchID: 300147

Sample ID: **MB-300147**	Client ID:			Units: **mg/Kg**	Prep Date: **07/20/2020**	Run No: **430581**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300147**	Analysis Date: **07/21/2020**	Seq No: **9766858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300147**	Client ID:			Units: **mg/Kg**	Prep Date: **07/20/2020**	Run No: **430581**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300147**	Analysis Date: **07/21/2020**	Seq No: **9766859**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	46.60	2.50	50.00	0.8135	91.6	80	120				

Sample ID: **2007F08-003CMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **07/20/2020**	Run No: **430581**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300147**	Analysis Date: **07/21/2020**	Seq No: **9766861**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	39.75	2.49	49.72	1.008	77.9	75	125				

Sample ID: **2007F08-003CMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **07/20/2020**	Run No: **430581**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300147**	Analysis Date: **07/21/2020**	Seq No: **9766863**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	40.11	2.49	49.71	1.008	78.7	75	125	39.75	0.889	20	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007H20

ANALYTICAL QC SUMMARY REPORT

BatchID: 300148

Sample ID: **MB-300148**	Client ID:			Units: **mg/Kg**	Prep Date: **07/21/2020**	Run No: **430712**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300148**	Analysis Date: **07/22/2020**	Seq No: **9770052**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300148**	Client ID:			Units: **mg/Kg**	Prep Date: **07/21/2020**	Run No: **430712**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300148**	Analysis Date: **07/22/2020**	Seq No: **9770053**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	45.83	2.50	50.00		91.7	80	120				

Sample ID: **2007H20-019AMS**	Client ID: **EB-41A (2-3)**			Units: **mg/Kg-dry**	Prep Date: **07/21/2020**	Run No: **430712**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300148**	Analysis Date: **07/22/2020**	Seq No: **9770055**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	35.56	2.25	44.94	0.5672	77.9	75	125				

Sample ID: **2007H20-019AMSD**	Client ID: **EB-41A (2-3)**			Units: **mg/Kg-dry**	Prep Date: **07/21/2020**	Run No: **430712**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300148**	Analysis Date: **07/22/2020**	Seq No: **9770058**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	35.90	2.26	45.12	0.5672	78.3	75	125	35.56	0.945	20	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007H20

ANALYTICAL QC SUMMARY REPORT

BatchID: 300152

Sample ID: **MB-300152**	Client ID:			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **MBLK**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770353**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0100									

Sample ID: **LCS-300152**	Client ID:			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **LCS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770354**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.012	0.0500	1.000		101	80	120				

Sample ID: **2007H20-043AMS**	Client ID: **RS-1**			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **MS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770359**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9811	0.0500	1.000		98.1	75	125				

Sample ID: **2007H20-043AMSD**	Client ID: **RS-1**			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **MSD**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770361**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.002	0.0500	1.000		100	75	125	0.9811	2.09	20	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007H20

ANALYTICAL QC SUMMARY REPORT

BatchID: 300159

Sample ID: **MB-300159**	Client ID:			Units: **ug/Kg**	Prep Date: **07/20/2020**	Run No: **430561**
SampleType: **MBLK**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**			BatchID: **300159**	Analysis Date: **07/20/2020**	Seq No: **9766037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1371	0	1667		82.2	54.4	120				
Surr: 4-Terphenyl-d14	1515	0	1667		90.9	60.4	120				
Surr: Nitrobenzene-d5	1355	0	1667		81.3	51	120				

Sample ID: **LCS-300159**	Client ID:			Units: **ug/Kg**	Prep Date: **07/20/2020**	Run No: **430561**
SampleType: **LCS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**			BatchID: **300159**	Analysis Date: **07/20/2020**	Seq No: **9766038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1597	330	1667		95.8	70.6	120				
Surr: 2-Fluorobiphenyl	1529	0	1667		91.7	54.4	120				
Surr: 4-Terphenyl-d14	1524	0	1667		91.4	60.4	120				
Surr: Nitrobenzene-d5	1442	0	1667		86.5	51	120				

Sample ID: **2007H71-001AMS**	Client ID:			Units: **ug/Kg-dry**	Prep Date: **07/20/2020**	Run No: **430561**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**			BatchID: **300159**	Analysis Date: **07/20/2020**	Seq No: **9766056**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	2159	450	2284		94.5	56.4	120				
Surr: 2-Fluorobiphenyl	1861	0	2284		81.5	54.4	120				
Surr: 4-Terphenyl-d14	1970	0	2284		86.3	60.4	120				
Surr: Nitrobenzene-d5	1816	0	2284		79.5	51	120				

Sample ID: **2007H71-001AMSD**	Client ID:			Units: **ug/Kg-dry**	Prep Date: **07/20/2020**	Run No: **430561**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**			BatchID: **300159**	Analysis Date: **07/20/2020**	Seq No: **9766054**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	2009	450	2284		88.0	56.4	120	2159	7.17	21	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007H20

ANALYTICAL QC SUMMARY REPORT

BatchID: 300159

Sample ID: **2007H71-001AMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/Kg-dry** Prep Date: **07/20/2020** Run No: **430561**
BatchID: **300159** Analysis Date: **07/20/2020** Seq No: **9766054**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	1704	0	2284		74.6	54.4	120	1861	0	0	
Surr: 4-Terphenyl-d14	1848	0	2284		80.9	60.4	120	1970	0	0	
Surr: Nitrobenzene-d5	1721	0	2284		75.4	51	120	1816	0	0	

Qualifiers:

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

End of Report

AES

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: Order No: 2007I99

Analytical Environmental Services, Inc. received 14 samples on 7/17/2020 3:49:00 PM for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2007I99

Date: 7/17/20 Page 1 of 1

COMPANY: UNITED CONSULTING

ADDRESS: 625 HOLCOMB BRIDGE ROAD, NORCROSS, GEORGIA 30071, 770-209-0029 FAX: 770-582-2900

PHONE: 770-842-8956 FAX: 770-582-2900

SAMPLED BY: Spencer Cox SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	Arsenic (DISSOLVED)	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
	PRESERVATION (See codes)						1			1							
1	EB-35A(2-3)	7/17/20	11:01			SO	X										1
2	EB-35-N1 (0-2)		11:10				X										1
3	EB-35-N2 (0-2)		11:12				X								X	HOLD	1
4	EB-35-SE1 (0-2)		11:29				X										1
5	EB-35-SE2 (0-2)		11:31				X								X	HOLD	1
6	EB-35-SW1 (0-2)		11:37				X										1
7	EB-35-SW2 (0-2)		11:36				X								X	HOLD	1
8	EB-36A (2-3)		11:45				X										1
9	EB-36-N1 (0-2)		11:51				X										1
10	EB-36-N2 (0-2)		11:55				X								X	HOLD	1
11	EB-36-SE1 (0-2)		12:10				X										1
12	EB-36-SE2 (0-2)		12:15				X								X	HOLD	1
13	EB-36-SW1 (0-2)		12:20				X										1
14	EB-36-SW2 (0-2)		12:31				X								X	HOLD	1
15	EB-36-DUP29		12:35				X								[illegible]		1
16	EB-37A (3-4)		13:05				X										1
17	[illegible] EB-37-NE1 (0-2)		13:10				X										1
18	EB-37-NE2 (0-2)		13:15				X								X	HOLD	1
19	EB-37-S1 (0-2)		13:18				X										1
20	EB-37-S2 (0-2)		13:21				X								X	HOLD	1
21	EB-37-NW1 (0-2)		13:33				X										1
22	EB-37-NW2 (0-2)		13:45			SO	X								X	HOLD	1
23	DS-2	7/17/20	14:15		N→[illegible]					X							1
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	7/17/20
2:	7/17/20 15:49	2:	7/17/20 15:49
		3:	

PROJECT INFORMATION

PROJECT NAME: Atlanta Beltline

PROJECT #: 20-GA-01192-11, -12, -13

SITE ADDRESS: Atlanta

SEND REPORT TO: Spencer Cox

INVOICE TO: (IF DIFFERENT FROM ABOVE)

PO# 8390

RECEIPT

Total # of Containers: 28

Turnaround Time Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other ____ 4 Day Turn

STATE PROGRAM (if any): _____

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

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SEGMENT 2

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER_____

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:01:00 AM
Lab ID:	2007I99-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	10.8	2.92		mg/Kg-dry	300204	1	07/23/2020 11:59	KB
PERCENT MOISTURE D2216								
Percent Moisture	19.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35-N1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:10:00 AM
Lab ID:	2007I99-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	146	2.83		mg/Kg-dry	300204	1	07/23/2020 12:01	KB
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35-SE1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:29:00 AM
Lab ID:	2007I99-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	169	2.80		mg/Kg-dry	300204	1	07/23/2020 12:03	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:37:00 AM
Lab ID:	2007I99-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	430	3.03		mg/Kg-dry	300204	1	07/23/2020 12:06	KB
PERCENT MOISTURE D2216								
Percent Moisture	18.0	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36A (2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:45:00 AM
Lab ID:	2007I99-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	13.9	3.05		mg/Kg-dry	300204	1	07/23/2020 12:08	KB
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-N1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:51:00 AM
Lab ID:	2007I99-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	176	2.98		mg/Kg-dry	300204	1	07/23/2020 12:10	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.8	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-SE1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 12:10:00 PM
Lab ID:	2007I99-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	232	2.71		mg/Kg-dry	300204	1	07/23/2020 12:19	KB
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-SW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 12:20:00 PM
Lab ID:	2007I99-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	123	3.03		mg/Kg-dry	300204	1	07/23/2020 12:21	KB
PERCENT MOISTURE D2216								
Percent Moisture	19.0	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-DUP29
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 12:35:00 PM
Lab ID:	2007I99-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	186	2.94		mg/Kg-dry	300204	1	07/23/2020 12:24	KB
PERCENT MOISTURE D2216								
Percent Moisture	17.2	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37A (3-4)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:05:00 PM
Lab ID:	2007I99-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	106	2.67		mg/Kg-dry	300204	1	07/23/2020 12:26	KB
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37-NE1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:10:00 PM
Lab ID:	2007I99-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	154	2.63		mg/Kg-dry	300204	1	07/23/2020 12:28	KB
PERCENT MOISTURE D2216								
Percent Moisture	10.4	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37-S1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:18:00 PM
Lab ID:	2007I99-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	306	2.82		mg/Kg-dry	300204	1	07/23/2020 12:31	KB
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37-NW1 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:35:00 PM
Lab ID:	2007I99-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	257	2.75		mg/Kg-dry	300204	1	07/23/2020 12:33	KB
PERCENT MOISTURE D2216								
Percent Moisture	11.7	0		wt%	R430459	1	07/20/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 24-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	RS-2
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 2:15:00 PM
Lab ID:	2007I99-023	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED SW6010D (SW3005A)								
Arsenic	BRL	0.0100		mg/L	300152	1	07/22/2020 12:54	KB

Qualifiers:

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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-35A (2-3)			**Lab ID:** 2007I99-001			
Collection Date: 7/17/2020 11:01:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	10.8		2.92	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	19.2		0	wt%	R430459	1
Client Sample ID: EB-35-N1 (0-2)			**Lab ID:** 2007I99-002			
Collection Date: 7/17/2020 11:10:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	146		2.83	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	12.3		0	wt%	R430459	1
Client Sample ID: EB-35-SE1 (0-2)			**Lab ID:** 2007I99-004			
Collection Date: 7/17/2020 11:29:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	169		2.80	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	16.0		0	wt%	R430459	1
Client Sample ID: EB-35-SW1 (0-2)			**Lab ID:** 2007I99-006			
Collection Date: 7/17/2020 11:37:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	430		3.03	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	18.0		0	wt%	R430459	1
Client Sample ID: EB-36A (2-3)			**Lab ID:** 2007I99-008			
Collection Date: 7/17/2020 11:45:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	13.9		3.05	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	19.7		0	wt%	R430459	1
Client Sample ID: EB-36-N1 (0-2)			**Lab ID:** 2007I99-009			
Collection Date: 7/17/2020 11:51:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	176		2.98	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	16.8		0	wt%	R430459	1
Client Sample ID: EB-36-SE1 (0-2)			**Lab ID:** 2007I99-011			
Collection Date: 7/17/2020 12:10:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	232		2.71	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	14.5		0	wt%	R430459	1
Client Sample ID: EB-36-SW1 (0-2)			**Lab ID:** 2007I99-013			
Collection Date: 7/17/2020 12:20:00 PM			**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 24-Jul-20

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-36-SW1 (0-2)			**Lab ID:** 2007I99-013			
Collection Date: 7/17/2020 12:20:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	123		3.03	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	19.0		0	wt%	R430459	1
Client Sample ID: EB-36-DUP29			**Lab ID:** 2007I99-015			
Collection Date: 7/17/2020 12:35:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	186		2.94	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	17.2		0	wt%	R430459	1
Client Sample ID: EB-37A (3-4)			**Lab ID:** 2007I99-016			
Collection Date: 7/17/2020 1:05:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	106		2.67	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	11.5		0	wt%	R430459	1
Client Sample ID: EB-37-NE1 (0-2)			**Lab ID:** 2007I99-017			
Collection Date: 7/17/2020 1:10:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	154		2.63	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	10.4		0	wt%	R430459	1
Client Sample ID: EB-37-S1 (0-2)			**Lab ID:** 2007I99-019			
Collection Date: 7/17/2020 1:18:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	306		2.82	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	12.3		0	wt%	R430459	1
Client Sample ID: EB-37-NW1 (0-2)			**Lab ID:** 2007I99-021			
Collection Date: 7/17/2020 1:35:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	257		2.75	mg/Kg-dry	300204	1
PERCENT MOISTURE D2216						
Percent Moisture	11.7		0	wt%	R430459	1

Qualifiers:

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

Clear Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: **2007I99**

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?	○	◉	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 2.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). LM 7/18/20

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). LM 7/18/20

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* 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.

I certify that I have completed sections 28-30 (dated initials). LM 7/18/20

Locked

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007I99

ANALYTICAL QC SUMMARY REPORT

BatchID: 300152

Sample ID: **MB-300152**	Client ID:			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **MBLK**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770353**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0100									

Sample ID: **LCS-300152**	Client ID:			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **LCS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770354**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.012	0.0500	1.000		101	80	120				

Sample ID: **2007H20-043AMS**	Client ID:			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **MS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770359**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9811	0.0500	1.000		98.1	75	125				

Sample ID: **2007H20-043AMSD**	Client ID:			Units: **mg/L**	Prep Date: **07/20/2020**	Run No: **430736**
SampleType: **MSD**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300152**	Analysis Date: **07/22/2020**	Seq No: **9770361**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.002	0.0500	1.000		100	75	125	0.9811	2.09	20	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007I99

ANALYTICAL QC SUMMARY REPORT

BatchID: 300204

Sample ID: **MB-300204** Client ID: Units: **mg/Kg** Prep Date: **07/21/2020** Run No: **430833**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **300204** Analysis Date: **07/23/2020** Seq No: **9772683**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300204** Client ID: Units: **mg/Kg** Prep Date: **07/21/2020** Run No: **430833**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **300204** Analysis Date: **07/23/2020** Seq No: **9772684**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	45.25	2.50	50.00		90.5	80	120				

Sample ID: **2007J07-008BMS** Client ID: Units: **mg/Kg-dry** Prep Date: **07/21/2020** Run No: **430833**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **300204** Analysis Date: **07/23/2020** Seq No: **9772688**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.00	2.88	57.64	3.115	76.1	75	125				

Sample ID: **2007J07-008BMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **07/21/2020** Run No: **430833**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **300204** Analysis Date: **07/23/2020** Seq No: **9772689**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.02	2.88	57.67	3.115	76.1	75	125	47.00	0.042	20	

Qualifiers:

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

End of Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 28, 2020

Spencer Cox
United Consulting Group Inc.

625 Holcomb Bridge Rd
Norcross GA 30071

RE: Atlanta Beltline

Dear Spencer Cox: Order No: 2007K66

Analytical Environmental Services, Inc. received 10 samples on 7/21/2020 12:06:00 PM for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2007K06

Date: 7/21/20 Page 1 of 1

COMPANY: UNITED CONSULTING
ADDRESS: 625 HOLCOMB BRIDGE ROAD, NORCROSS, GEORGIA 30071, 770-209-0029 FAX: 770-582-2900
PHONE: 770-842-8956
FAX: 770-582-2900
SAMPLED BY: Spencer Cox
SIGNATURE:

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	Arsenic (Dissolved)	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
	PRESERVATION (See codes)						1			1							
1	EB-34-N1 (0-2)	7/20/20	11:15			SO	X										1
2	EB-34-N2 (0-2)		11:25				X								X	HOLD	1
3	EB-34-SE1 (0-2)		11:35				X										1
4	EB-34-SE2 (0-2)		11:41				X								X	HOLD	1
5	EB-34-SW1 (0-2)		11:45				X										1
6	EB-34-SW2 (0-2)		12:00				X								X	HOLD	1
7	EB-34A (2-3)		12:01				X										1
8	EB-34-DUP30		12:05				X										1
9	EB-33A (2-3)		12:10				X										1
10	EB-33-N1 (0-2)		12:15				X										1
11	EB-33-N2 (0-2)		12:20				X								X	HOLD	1
12	EB-33-SE1 (0-2)		13:20				X										1
13	EB-33-SE2 (0-2)		13:30				X								X	HOLD	1
14	EB-33-SW1 (0-2)		13:55				X										1
15	EB-33-SW2 (0-2)		14:01			SO	X								X	HOLD	1
16	RS-3	7/20/20	14:03			W	[illegible]			X							1
17																	
18																	
19																	
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31																	
32																	
33																	
34																	
35																	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/21/20 08:22	1:	7/21/20 8:21
2:	7/21/20 12:00	2: 7/21/20 12:06	
		3:	

SPECIAL INSTRUCTIONS/COMMENTS:
SEGMENT 2

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: Atlanta Beltline
PROJECT #: 20-GA-01192-11, -12, -13
SITE ADDRESS: Atlanta
SEND REPORT TO: Spencer Cox
INVOICE TO: (IF DIFFERENT FROM ABOVE)
PO# 8390

RECEIPT
Total # of Containers: 16

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other ____ 4 Day Turn

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34-N1(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 11:15:00 AM
Lab ID:	2007K66-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	91.0	2.43		mg/Kg-dry	300352	1	07/27/2020 16:18	KB
PERCENT MOISTURE D2216								
Percent Moisture	20.3	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34-SE1(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 11:35:00 AM
Lab ID:	2007K66-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	10.5	2.12		mg/Kg-dry	300352	1	07/27/2020 16:20	KB
PERCENT MOISTURE D2216								
Percent Moisture	13.9	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34-SW1(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 11:45:00 AM
Lab ID:	2007K66-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	306	2.22		mg/Kg-dry	300352	1	07/27/2020 16:27	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34A(2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 12:01:00 PM
Lab ID:	2007K66-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	6.43	2.33		mg/Kg-dry	300352	1	07/27/2020 16:29	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34-DUP30
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 12:05:00 PM
Lab ID:	2007K66-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	13.1	2.15		mg/Kg-dry	300352	1	07/27/2020 16:32	KB
PERCENT MOISTURE D2216								
Percent Moisture	12.7	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-33A(2-3)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 12:10:00 PM
Lab ID:	2007K66-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	40.8	2.20		mg/Kg-dry	300352	1	07/27/2020 16:34	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.1	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-33-N1(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 12:15:00 PM
Lab ID:	2007K66-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	38.6	2.10		mg/Kg-dry	300352	1	07/27/2020 16:36	KB
PERCENT MOISTURE D2216								
Percent Moisture	11.8	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-33-SE1(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 1:20:00 PM
Lab ID:	2007K66-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	11.5	2.13		mg/Kg-dry	300352	1	07/27/2020 16:38	KB
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-33-SW1(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 1:55:00 PM
Lab ID:	2007K66-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	7.70	2.36		mg/Kg-dry	300352	1	07/27/2020 16:41	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.8	0		wt%	R430778	1	07/23/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	RS-3
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 2:03:00 PM
Lab ID:	2007K66-016	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED SW6010D (SW3005A)								
Arsenic	BRL	0.0100		mg/L	300389	1	07/27/2020 17:15	KB

Qualifiers:

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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-34-N1(0-2)			**Lab ID:** 2007K66-001			
Collection Date: 7/20/2020 11:15:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	91.0		2.43	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	20.3		0	wt%	R430778	1
Client Sample ID: EB-34-SE1(0-2)			**Lab ID:** 2007K66-003			
Collection Date: 7/20/2020 11:35:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	10.5		2.12	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	13.9		0	wt%	R430778	1
Client Sample ID: EB-34-SW1(0-2)			**Lab ID:** 2007K66-005			
Collection Date: 7/20/2020 11:45:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	306		2.22	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	16.3		0	wt%	R430778	1
Client Sample ID: EB-34A(2-3)			**Lab ID:** 2007K66-007			
Collection Date: 7/20/2020 12:01:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	6.43		2.33	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	16.4		0	wt%	R430778	1
Client Sample ID: EB-34-DUP30			**Lab ID:** 2007K66-008			
Collection Date: 7/20/2020 12:05:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	13.1		2.15	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	12.7		0	wt%	R430778	1
Client Sample ID: EB-33A(2-3)			**Lab ID:** 2007K66-009			
Collection Date: 7/20/2020 12:10:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	40.8		2.20	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	16.1		0	wt%	R430778	1
Client Sample ID: EB-33-N1(0-2)			**Lab ID:** 2007K66-010			
Collection Date: 7/20/2020 12:15:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	38.6		2.10	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	11.8		0	wt%	R430778	1
Client Sample ID: EB-33-SE1(0-2)			**Lab ID:** 2007K66-012			
Collection Date: 7/20/2020 1:20:00 PM			**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 28-Jul-20

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-33-SE1(0-2)			**Lab ID:** 2007K66-012			
Collection Date: 7/20/2020 1:20:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	11.5		2.13	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	15.1		0	wt%	R430778	1
Client Sample ID: EB-33-SW1(0-2)			**Lab ID:** 2007K66-014			
Collection Date: 7/20/2020 1:55:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	7.70		2.36	mg/Kg-dry	300352	1
PERCENT MOISTURE D2216						
Percent Moisture	16.8		0	wt%	R430778	1

Qualifiers:

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

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: **2007K66**

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?	◉	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 1.4 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). DY 7/22/2020

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). DY 7/22/2020

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* 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.

I certify that I have completed sections 28-30 (dated initials). DY 7/22/2020

Locked

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Lab Order: 2007K66

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2007K66-001A	EB-34-N1(0-2)	7/20/2020 11:15:00AM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-001A	EB-34-N1(0-2)	7/20/2020 11:15:00AM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-003A	EB-34-SE1(0-2)	7/20/2020 11:35:00AM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-003A	EB-34-SE1(0-2)	7/20/2020 11:35:00AM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-005A	EB-34-SW1(0-2)	7/20/2020 11:45:00AM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-005A	EB-34-SW1(0-2)	7/20/2020 11:45:00AM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-007A	EB-34A(2-3)	7/20/2020 12:01:00PM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-007A	EB-34A(2-3)	7/20/2020 12:01:00PM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-008A	EB-34-DUP30	7/20/2020 12:05:00PM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-008A	EB-34-DUP30	7/20/2020 12:05:00PM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-009A	EB-33A(2-3)	7/20/2020 12:10:00PM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-009A	EB-33A(2-3)	7/20/2020 12:10:00PM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-010A	EB-33-N1(0-2)	7/20/2020 12:15:00PM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-010A	EB-33-N1(0-2)	7/20/2020 12:15:00PM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-012A	EB-33-SE1(0-2)	7/20/2020 1:20:00PM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-012A	EB-33-SE1(0-2)	7/20/2020 1:20:00PM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-014A	EB-33-SW1(0-2)	7/20/2020 1:55:00PM	Soil	TOTAL METALS BY ICP		7/23/2020 12:40:00PM	07/27/2020
2007K66-014A	EB-33-SW1(0-2)	7/20/2020 1:55:00PM	Soil	PERCENT MOISTURE			07/23/2020
2007K66-016A	RS-3	7/20/2020 2:03:00PM	Aqueous	DISSOLVED METALS BY ICP		7/23/2020 5:45:00PM	07/27/2020

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007K66

ANALYTICAL QC SUMMARY REPORT

BatchID: 300352

Sample ID: **MB-300352**	Client ID:			Units: **mg/Kg**	Prep Date: **07/23/2020**	Run No: **431035**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300352**	Analysis Date: **07/27/2020**	Seq No: **9777489**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300352**	Client ID:			Units: **mg/Kg**	Prep Date: **07/23/2020**	Run No: **431035**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300352**	Analysis Date: **07/27/2020**	Seq No: **9777490**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	43.83	2.50	50.00		87.7	80	120				

Sample ID: **2007911-002AMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **07/23/2020**	Run No: **431035**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300352**	Analysis Date: **07/27/2020**	Seq No: **9777492**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	40.50	2.17	43.45	6.896	77.3	75	125				

Sample ID: **2007911-002AMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **07/23/2020**	Run No: **431035**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300352**	Analysis Date: **07/27/2020**	Seq No: **9777493**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	40.55	2.17	43.38	6.896	77.6	70	125	40.50	0.114	20	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007K66

ANALYTICAL QC SUMMARY REPORT

BatchID: 300389

Sample ID: **MB-300389**	Client ID:			Units: **mg/L**	Prep Date: **07/23/2020**	Run No: **431064**
SampleType: **MBLK**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300389**	Analysis Date: **07/27/2020**	Seq No: **9778142**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0100									

Sample ID: **LCS-300389**	Client ID:			Units: **mg/L**	Prep Date: **07/23/2020**	Run No: **431064**
SampleType: **LCS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300389**	Analysis Date: **07/27/2020**	Seq No: **9778143**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.005	0.0500	1.000		101	80	120				

Sample ID: **2007K66-016AMS**	Client ID: **RS-3**			Units: **mg/L**	Prep Date: **07/23/2020**	Run No: **431064**
SampleType: **MS**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300389**	Analysis Date: **07/27/2020**	Seq No: **9778147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9982	0.0500	1.000		99.8	75	125				

Sample ID: **2007K66-016AMSD**	Client ID: **RS-3**			Units: **mg/L**	Prep Date: **07/23/2020**	Run No: **431064**
SampleType: **MSD**	TestCode: **METALS, DISSOLVED**	**SW6010D**		BatchID: **300389**	Analysis Date: **07/27/2020**	Seq No: **9778148**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9871	0.0500	1.000		98.7	75	125	0.9982	1.12	20	

Qualifiers:

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

End of Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 30, 2020

Spencer Cox
United Consulting Group Inc.

625 Holcomb Bridge Rd
Norcross GA 30071

RE: Atlanta Beltline

Dear Spencer Cox: Order No: 2007P91

Analytical Environmental Services, Inc. received 9 samples on 7/27/2020 12:00:00 AM for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

J2007P91

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: ~~2007P99~~ ZIP 4/30

Date: 7/17/20 Page 1 of 1

COMPANY:	UNITED CONSULTING
ADDRESS:	625 HOLCOMB BRIDGE ROAD, NORCROSS, GEORGIA 30071, 770-209-0029 FAX: 770-582-2900
PHONE:	770-842-8956
FAX:	770-582-2900
SAMPLED BY:	Spencer Cox
SIGNATURE:	

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	Arsenic (DISSOLVED)	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
							PRESERVATION (See codes)										
							1			1							
1	EB-35A (2-3)	7/17/20	11:01			SO	X										1
2	EB-35-N1 (0-2)		11:10				X										1
3	EB-35-N2 (0-2)		11:12				X								X	HOLD	1
4	EB-35-SE1 (0-2)		11:29				X										1
5	EB-35-SE2 (0-2)		11:31				X								X	HOLD	1
6	EB-35-SW1 (0-2)		11:37				X										1
7	EB-35-SW2 (0-2)		11:38				X								X	HOLD	1
8	EB-36A (2-3)		11:45				X										1
9	EB-36-N1 (0-2)		11:51				X										1
10	EB-36-N2 (0-2)		11:55				X								X	HOLD	1
11	EB-36-SE1 (0-2)		12:10				X										1
12	EB-36-SE2 (0-2)		12:15				X								X	HOLD	1
13	EB-36-SW1 (0-2)		12:20				X										1
14	EB-36-SW2 (0-2)		12:31				X								X	HOLD	1
15	EB-36-DUP29		12:35				X								N/A		1
16	EB-37A (3-4)		13:05				X										1
17	EB-37-NE1 (0-2)		13:10				X										1
18	EB-37-NE2 (0-2)		13:15				X								X	HOLD	1
19	EB-37-S1 (0-2)		13:18				X										1
20	EB-37-S2 (0-2)		13:21				X								X	HOLD	1
21	EB-37-NW1 (0-2)		13:39				X										1
22	EB-37-NW2 (0-2)		13:45			SO	X								X	HOLD	1
23	DS-2	7/17/20	14:15		N	WA				X							1
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	7/17/20
2:	7/17/20 15:49	2:	7/17/20 15:45
		3:	

PROJECT INFORMATION

PROJECT NAME:	Atlanta Beltline
PROJECT #:	20-GA-01192-11, -12, -13
SITE ADDRESS:	Atlanta
SEND REPORT TO:	Spencer Cox
INVOICE TO: (IF DIFFERENT FROM ABOVE)	
PO#	8390

RECEIPT

Total # of Containers: 38

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other ___ 4 Day Turn

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SEGMENT 2

SHIPMENT METHOD

OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

Client: United Consulting Group Inc.
Project: Atlanta Beltline
Lab ID: 2007P91

Case Narrative

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 2007I99:

2007I99-003A - EB-35-N2 (0-2)
2007I99-005A - EB-35-SE2 (0-2)
2007I99-007A - EB-35-SW2 (0-2)
2007I99-010A - EB-36-N2 (0-2)
2007I99-012A - EB-36-SE2 (0-2)
2007I99-014A - EB-36-SW2 (0-2)
2007I99-018A - EB-37-NE2 (0-2)
2007I99-020A - EB-37-S2 (0-2)
2007I99-022A - EB-37-NW2 (0-2)

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35-N2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:12:00 AM
Lab ID:	2007P91-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	558	2.20		mg/Kg-dry	300554	1	07/30/2020 09:30	KB
PERCENT MOISTURE D2216								
Percent Moisture	14.2	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35-SE2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:31:00 AM
Lab ID:	2007P91-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	15.2	2.18		mg/Kg-dry	300554	1	07/30/2020 09:33	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-35-SW2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:38:00 AM
Lab ID:	2007P91-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	89.5	2.37		mg/Kg-dry	300554	1	07/30/2020 09:35	KB
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-N2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 11:55:00 AM
Lab ID:	2007P91-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	153	2.12		mg/Kg-dry	300554	1	07/30/2020 09:37	KB
PERCENT MOISTURE D2216								
Percent Moisture	10.6	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-SE2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 12:15:00 PM
Lab ID:	2007P91-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	128	2.10		mg/Kg-dry	300554	1	07/30/2020 09:40	KB
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-36-SW2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 12:31:00 PM
Lab ID:	2007P91-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	130	2.27		mg/Kg-dry	300554	1	07/30/2020 09:42	KB
PERCENT MOISTURE D2216								
Percent Moisture	19.0	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37-NE2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:15:00 PM
Lab ID:	2007P91-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	37.5	2.10		mg/Kg-dry	300554	1	07/30/2020 09:49	KB
PERCENT MOISTURE D2216								
Percent Moisture	10.8	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37-S2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:21:00 PM
Lab ID:	2007P91-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	304	2.26		mg/Kg-dry	300554	1	07/30/2020 09:52	KB
PERCENT MOISTURE D2216								
Percent Moisture	13.0	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-37-NW2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/17/2020 1:45:00 PM
Lab ID:	2007P91-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	70.6	2.12		mg/Kg-dry	300554	1	07/30/2020 09:54	KB
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-35-N2 (0-2)			**Lab ID:** 2007P91-001			
Collection Date: 7/17/2020 11:12:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	558		2.20	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	14.2		0	wt%	R431045	1
Client Sample ID: EB-35-SE2 (0-2)			**Lab ID:** 2007P91-002			
Collection Date: 7/17/2020 11:31:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	15.2		2.18	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	16.3		0	wt%	R431045	1
Client Sample ID: EB-35-SW2 (0-2)			**Lab ID:** 2007P91-003			
Collection Date: 7/17/2020 11:38:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	89.5		2.37	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	17.9		0	wt%	R431045	1
Client Sample ID: EB-36-N2 (0-2)			**Lab ID:** 2007P91-004			
Collection Date: 7/17/2020 11:55:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	153		2.12	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	10.6		0	wt%	R431045	1
Client Sample ID: EB-36-SE2 (0-2)			**Lab ID:** 2007P91-005			
Collection Date: 7/17/2020 12:15:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	128		2.10	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	12.8		0	wt%	R431045	1
Client Sample ID: EB-36-SW2 (0-2)			**Lab ID:** 2007P91-006			
Collection Date: 7/17/2020 12:31:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	130		2.27	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	19.0		0	wt%	R431045	1
Client Sample ID: EB-37-NE2 (0-2)			**Lab ID:** 2007P91-007			
Collection Date: 7/17/2020 1:15:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	37.5		2.10	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	10.8		0	wt%	R431045	1
Client Sample ID: EB-37-S2 (0-2)			**Lab ID:** 2007P91-008			
Collection Date: 7/17/2020 1:21:00 PM			**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 30-Jul-20

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-37-S2 (0-2)			**Lab ID:** 2007P91-008			
Collection Date: 7/17/2020 1:21:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	304		2.26	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	13.0		0	wt%	R431045	1
Client Sample ID: EB-37-NW2 (0-2)			**Lab ID:** 2007P91-009			
Collection Date: 7/17/2020 1:45:00 PM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	70.6		2.12	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	14.5		0	wt%	R431045	1

Qualifiers:

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

Clear | Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

IP 4/30

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: ~~2007199~~ 2007P91

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?	○	◉	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 2.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). LM 7/18/20

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). LM 7/18/20

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* 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.

I certify that I have completed sections 28-30 (dated initials). LM 7/18/20

Checklist 6.9.17 Rev 2

Locked

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007P91

ANALYTICAL QC SUMMARY REPORT

BatchID: 300554

Sample ID: **MB-300554**	Client ID:			Units: **mg/Kg**	Prep Date: **07/29/2020**	Run No: **431276**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300554**	Analysis Date: **07/30/2020**	Seq No: **9783852**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300554**	Client ID:			Units: **mg/Kg**	Prep Date: **07/29/2020**	Run No: **431276**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300554**	Analysis Date: **07/30/2020**	Seq No: **9783853**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.87	2.50	50.00		95.7	80	120				

Sample ID: **2007Q43-006AMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **07/29/2020**	Run No: **431276**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300554**	Analysis Date: **07/30/2020**	Seq No: **9783855**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	35.82	2.05	41.03		87.3	75	125				

Sample ID: **2007Q43-006AMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **07/29/2020**	Run No: **431276**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010D**			BatchID: **300554**	Analysis Date: **07/30/2020**	Seq No: **9783858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	34.49	2.05	41.05		84.0	75	125	35.82	3.78	20	

Qualifiers:

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

End of Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 30, 2020

Spencer Cox
United Consulting Group Inc.

625 Holcomb Bridge Rd
Norcross GA 30071

RE: Atlanta Beltline

Dear Spencer Cox: Order No: 2007Q43

Analytical Environmental Services, Inc. received 9 samples on 7/27/2020 12:00:00 AM for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

2007 Q43

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: ~~2007120~~ HP 7/20

Date: 7/16/20 Page 1 of 2

COMPANY:	ADDRESS:
UNITED CONSULTING	625 HOLCOMB BRIDGE ROAD NORCROSS, GEORGIA 30071 770-209-0029 FAX: 770-582-2900
PHONE: 770-842-8956	FAX: 770-582-2900
SAMPLED BY: Spencer Cox	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
							PRESERVATION (See codes)									
							1	1								
1	EB-46A(2-3)	7/15/20	9:15			So	[redacted]								HOLD	1
2	EB-46-N1(0-2)		9:25			So										1
3	EB-46-N2(0-2)		9:30			So									HOLD	1
4	EB-45A(2-3)		9:45			So										1
5	EB-45-NW1(0-2)		9:49			So										1
6	EB-45-NW2(0-2)		9:51			So									HOLD	1
7	EB-45-E1(0-2)		9:55			So										1
8	EB-45-E2(0-2)		9:58			So									HOLD	1
9	EB-45-SW1(0-2)		10:16			So										1
10	EB-45-DUP25		10:19			So										1
11	EB-45-SW2(0-2)		10:20			So									HOLD	1
12	EB-44A(3-4)		10:28			So										1
13	EB-41-NE1(0-2)		10:55			So										1
14	EB-41-NE2(0-2)		10:59			So									HOLD	1
15	EB-41-E1(0-2)		11:15			So										1
16	EB-41-E2(0-2)		11:25			So									HOLD	1
17	EB-41-SW1(0-2)		11:48			So										1
18	EB-41-SW2(0-2)		11:49			So									HOLD	1
19	EB-41A(2-3)		12:01			So										1
20	EB-44-DUP26	7/15/20	12:05			So										1
21	EB-40A(2-3)	7/16/20	9:30			So										1
22	EB-40-NW1(0-2)		9:38			So										1
23	EB-40-NW2(0-2)		9:41			So									HOLD	1
24	EB-40-E1(0-2)		9:55			So										1
25	EB-40-E2(0-2)		10:01			So									HOLD	1
26	EB-40-SW1(0-2)		10:05			So										1
27	EB-40-SW2(0-2)		10:08			So									HOLD	1
28	EB-40-DUP27		10:10			So										1
29	EB-39A(2-3)		10:15			So										1
30	EB-39-N1(0-2)		10:20			So								[redacted]		1
31	EB-39-N2(0-2)		10:25			So									HOLD	1
32	EB-39-SE1(0-2)		10:28			So										1
33	EB-39-SE2(0-2)		10:31			So									HOLD	1
34	EB-39-SW1(0-2)		10:40			So										1
35	EB-39-SW2(0-2)	7/16/20	10:50			So									HOLD	1

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	7/16/20 13:10
2:	7/16/20 13:10	2:	7/16/20 17:12
		3: 7/16/20	17:12

SPECIAL INSTRUCTIONS/COMMENTS:

SEGMENT 2

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: Atlanta Beltline
PROJECT #: 20-GA-01192-11, -12, -13
SITE ADDRESS: Atlanta
SEND REPORT TO: Spencer Cox
INVOICE TO: (IF DIFFERENT FROM ABOVE)
PO# 8390

RECEIPT
Total # of Containers: 35

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other ___ 4 Day Turn

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

2007043

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2007043 -HP

Date: 7/16/20 Page 2 of 2 7/30

COMPANY: UNITED CONSULTING

ADDRESS: 625 HOLCOMB BRIDGE ROAD, NORCROSS, GEORGIA 30071
770-209-0029 FAX: 770-582-2900

PHONE: 770-842-8956

FAX: 770-582-2900

SAMPLED BY: Spencer Cox

SIGNATURE:

ANALYSIS REQUESTED

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	Arsenic (Dissolved)	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
	PRESERVATION (See codes)						I										
1	EB-38A (2-3)	7/16/20	10:55			So											1
2	EB-38-N1 (0-2)		10:57			So											1
3	EB-38-N2 (0-2)		10:58			So										HOLD	1
4	EB-38-SE1 (0-2)		10:59			So											1
5	EB-38-SE2 (0-2)		11:01			So										HOLD	1
6	EB-38-SW1 (0-2)		11:10			So											1
7	EB-38-SW2 (0-2)		11:15			So										HOLD	1
8	RS-1	7/16/20	11:31			W											1
9	EB-38-DUP28	7/16/20	11:35			So											1
10																	
11																	
12																	
13																	
14																	
15																	
16																	
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34																	
35																	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	7/16/20 13:10
2:	7/16/20 13:10	2:	7/16/20 17:12
		3:	7/16/20 17:12

SPECIAL INSTRUCTIONS/COMMENTS:

SEGMENT 2

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: Atlanta Beltline

PROJECT #: 20-GA-01192-11, -12, -13

SITE ADDRESS: Atlanta

SEND REPORT TO: Spencer Cox

INVOICE TO: (IF DIFFERENT FROM ABOVE)

PO# 8390

RECEIPT

Total # of Containers: 9

Turnaround Time Request

- [X] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other ____ 4 Day Turn

STATE PROGRAM (if any): _____

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

DATA PACKAGE: I II III IV

Client: United Consulting Group Inc.
Project: Atlanta Beltline
Lab ID: 2007Q43

Case Narrative

Additional Testing:

At the request of Spencer Cox with United Consulting via e-mail on 7/27/20 all samples listed below were taken off hold from AES work order 2007H20 and analyzed for the analyses listed below:

2007H20-003A - EB-46-N2 (0-2) – 6010 As/PAHs (BAP)
2007H20-014A - EB-41-NE2 (0-2) – 6010 As
2007H20-025A - EB-40-E2 (0-2) – 6010 As
2007H20-027A - EB-40-SW2 (0-2) – 6010 As
2007H20-033A - EB-39-SE2 (0-2) – 6010 As
2007H20-035A - EB-39-SW2 (0-2) – 6010 As
2007H20-038A - EB-38-N2 (0-2) – 6010 As
2007H20-040A - EB-38-SE2 (0-2) – 6010 As
2007H20-042A - EB-38-SW2 (0-2) – 6010 As

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-46-N2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 9:30:00 AM
Lab ID:	2007Q43-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3546)**				
Benzo(a)pyrene	830	370		ug/Kg-dry	300502	1	07/29/2020 01:52	HL
Surr: 2-Fluorobiphenyl	73.4	54.4-120		%REC	300502	1	07/29/2020 01:52	HL
Surr: 4-Terphenyl-d14	81.4	60.4-120		%REC	300502	1	07/29/2020 01:52	HL
Surr: Nitrobenzene-d5	63.1	51-120		%REC	300502	1	07/29/2020 01:52	HL
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	394	2.38		mg/Kg-dry	300554	1	07/30/2020 09:56	KB
PERCENT MOISTURE D2216								
Percent Moisture	11.1	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-41-NE2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/15/2020 10:59:00 AM
Lab ID:	2007Q43-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	35.2	2.14		mg/Kg-dry	300554	1	07/30/2020 09:59	KB
PERCENT MOISTURE D2216								
Percent Moisture	13.1	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40-E2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:01:00 AM
Lab ID:	2007Q43-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	225	2.21		mg/Kg-dry	300554	1	07/30/2020 10:01	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-40-SW2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:08:00 AM
Lab ID:	2007Q43-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	330	2.51		mg/Kg-dry	300554	1	07/30/2020 10:03	KB
PERCENT MOISTURE D2216								
Percent Moisture	20.2	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-39-SE2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:31:00 AM
Lab ID:	2007Q43-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	144	2.19		mg/Kg-dry	300554	1	07/30/2020 10:06	KB
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-39-SW2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:50:00 AM
Lab ID:	2007Q43-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	BRL	2.05		mg/Kg-dry	300554	1	07/30/2020 09:12	KB
PERCENT MOISTURE D2216								
Percent Moisture	11.4	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-N2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 10:58:00 AM
Lab ID:	2007Q43-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	22.8	2.15		mg/Kg-dry	300554	1	07/30/2020 10:08	KB
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-SE2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 11:01:00 AM
Lab ID:	2007Q43-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	20.6	2.21		mg/Kg-dry	300554	1	07/30/2020 10:10	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.2	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 30-Jul-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-38-SW2 (0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/16/2020 11:15:00 AM
Lab ID:	2007Q43-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	18.4	2.22		mg/Kg-dry	300554	1	07/30/2020 10:17	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.6	0		wt%	R431045	1	07/28/2020 00:00	JW

Qualifiers:

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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-46-N2 (0-2)			**Lab ID:** 2007Q43-001			
Collection Date: 7/15/2020 9:30:00 AM			**Matrix:** Soil			
POLYAROMATIC HYDROCARBONS SW8270D			**(SW3546)**			
Benzo(a)pyrene	830		370	ug/Kg-dry	300502	1
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	394		2.38	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	11.1		0	wt%	R431045	1
Client Sample ID: EB-41-NE2 (0-2)			**Lab ID:** 2007Q43-002			
Collection Date: 7/15/2020 10:59:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	35.2		2.14	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	13.1		0	wt%	R431045	1
Client Sample ID: EB-40-E2 (0-2)			**Lab ID:** 2007Q43-003			
Collection Date: 7/16/2020 10:01:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	225		2.21	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	16.0		0	wt%	R431045	1
Client Sample ID: EB-40-SW2 (0-2)			**Lab ID:** 2007Q43-004			
Collection Date: 7/16/2020 10:08:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	330		2.51	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	20.2		0	wt%	R431045	1
Client Sample ID: EB-39-SE2 (0-2)			**Lab ID:** 2007Q43-005			
Collection Date: 7/16/2020 10:31:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	144		2.19	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	13.3		0	wt%	R431045	1
Client Sample ID: EB-39-SW2 (0-2)			**Lab ID:** 2007Q43-006			
Collection Date: 7/16/2020 10:50:00 AM			**Matrix:** Soil			
PERCENT MOISTURE D2216						
Percent Moisture	11.4		0	wt%	R431045	1
Client Sample ID: EB-38-N2 (0-2)			**Lab ID:** 2007Q43-007			
Collection Date: 7/16/2020 10:58:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	22.8		2.15	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	13.3		0	wt%	R431045	1
Client Sample ID: EB-38-SE2 (0-2)			**Lab ID:** 2007Q43-008			
Collection Date: 7/16/2020 11:01:00 AM			**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 30-Jul-20

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EB-38-SE2 (0-2)			**Lab ID:** 2007Q43-008			
Collection Date: 7/16/2020 11:01:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	20.6		2.21	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	16.2		0	wt%	R431045	1
Client Sample ID: EB-38-SW2 (0-2)			**Lab ID:** 2007Q43-009			
Collection Date: 7/16/2020 11:15:00 AM			**Matrix:** Soil			
METALS, TOTAL SW6010D			**(SW3050B)**			
Arsenic	18.4		2.22	mg/Kg-dry	300554	1
PERCENT MOISTURE D2216						
Percent Moisture	16.6		0	wt%	R431045	1

Qualifiers:

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

Clear | Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

~~4/30~~

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: ~~2007H20~~ 2007Q43

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?	○	◉	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 1.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). FM 7/17/20

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	◉	○	○		
26.	Were trip blanks submitted?	◉	○	○	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). FM 7/17/20

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* 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.

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

Checklist 6.9.17 Rev 2

Locked

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007Q43

ANALYTICAL QC SUMMARY REPORT

BatchID: 300502

Sample ID: **MB-300502** Client ID: Units: **ug/Kg** Prep Date: **07/27/2020** Run No: **431170**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **300502** Analysis Date: **07/28/2020** Seq No: **9780888**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1452	0	1667		87.1	54.4	120				
Surr: 4-Terphenyl-d14	1530	0	1667		91.8	60.4	120				
Surr: Nitrobenzene-d5	1439	0	1667		86.3	51	120				

Sample ID: **LCS-300502** Client ID: Units: **ug/Kg** Prep Date: **07/27/2020** Run No: **431170**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **300502** Analysis Date: **07/28/2020** Seq No: **9780889**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1666	330	1667		100.0	70.6	120				
Surr: 2-Fluorobiphenyl	1428	0	1667		85.7	54.4	120				
Surr: 4-Terphenyl-d14	1535	0	1667		92.1	60.4	120				
Surr: Nitrobenzene-d5	1394	0	1667		83.6	51	120				

Sample ID: **2007P75-002CMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/27/2020** Run No: **431170**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **300502** Analysis Date: **07/28/2020** Seq No: **9780892**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1847	380	1937		95.4	56.4	120				
Surr: 2-Fluorobiphenyl	1579	0	1937		81.5	54.4	120				
Surr: 4-Terphenyl-d14	1762	0	1937		91.0	60.4	120				
Surr: Nitrobenzene-d5	1508	0	1937		77.8	51	120				

Sample ID: **2007P75-002CMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **07/27/2020** Run No: **431170**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **300502** Analysis Date: **07/28/2020** Seq No: **9780893**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1818	380	1937		93.9	56.4	120	1847	1.61	21	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007Q43

ANALYTICAL QC SUMMARY REPORT

BatchID: 300502

Sample ID: **2007P75-002CMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/Kg-dry** Prep Date: **07/27/2020** Run No: **431170**
BatchID: **300502** Analysis Date: **07/28/2020** Seq No: **9780893**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	1604	0	1937		82.8	54.4	120	1579	0	0	
Surr: 4-Terphenyl-d14	1723	0	1937		89.0	60.4	120	1762	0	0	
Surr: Nitrobenzene-d5	1508	0	1937		77.8	51	120	1508	0	0	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007Q43

ANALYTICAL QC SUMMARY REPORT

BatchID: 300554

Sample ID: **MB-300554** Client ID: Units: **mg/Kg** Prep Date: **07/29/2020** Run No: **431276**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **300554** Analysis Date: **07/30/2020** Seq No: **9783852**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300554** Client ID: Units: **mg/Kg** Prep Date: **07/29/2020** Run No: **431276**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **300554** Analysis Date: **07/30/2020** Seq No: **9783853**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.87	2.50	50.00		95.7	80	120				

Sample ID: **2007Q43-006AMS** Client ID: **EB-39-SW2 (0-2)** Units: **mg/Kg-dry** Prep Date: **07/29/2020** Run No: **431276**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **300554** Analysis Date: **07/30/2020** Seq No: **9783855**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	35.82	2.05	41.03		87.3	75	125				

Sample ID: **2007Q43-006AMSD** Client ID: **EB-39-SW2 (0-2)** Units: **mg/Kg-dry** Prep Date: **07/29/2020** Run No: **431276**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **300554** Analysis Date: **07/30/2020** Seq No: **9783858**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	34.49	2.05	41.05		84.0	75	125	35.82	3.78	20	

Qualifiers:

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

End of Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 05, 2020

Spencer Cox
United Consulting Group Inc.

625 Holcomb Bridge Rd
Norcross GA 30071

RE: Atlanta Beltline

Dear Spencer Cox: Order No: 2007S42

Analytical Environmental Services, Inc. received 3 samples on 7/29/2020 12:00:00 AM for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

2007542

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Parkway, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2007542 (2007K46)

Date: 7/21/20 Page 1 of 1

7/29

COMPANY:	ADDRESS:
UNITED CONSULTING	625 HOLCOMB BRIDGE ROAD NORCROSS, GEORGIA 30071 770-209-0029 FAX: 770-582-2900
PHONE: 770-842-8956	FAX: 770-582-2900
SAMPLED BY: Spencer Cox	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Arsenic	Benzo(a)Pyrene	Benzene	Arsenic (Dissolved)	VOCs	SVOCs	RCRA-8 Metals	TCLP	HOLD	REMARKS	No # of Containers
	PRESERVATION (See codes)						1			1							
1	EB-34-N1 (0-2)	7/20/20	11:15			SO	X										1
2	EB-34-N2 (0-2)		11:25				X								X	HOLD	1
3	EB-34-SE1 (0-2)		11:35				X										1
4	EB-34-SE2 (0-2)		11:41				X								X	HOLD	1
5	EB-34-SW1 (0-2)		11:45				X										1
6	EB-34-SW2 (0-2)		12:00				X								X	HOLD	1
7	EB-34A (2-3)		12:01				X										1
8	EB-34-DUP30		12:05				X										1
9	EB-33A (2-3)		12:10				X										1
10	EB-33-N1 (0-2)		12:15				X										1
11	EB-33-N2 (0-2)		12:20				X								X	HOLD	1
12	EB-33-SE1 (0-2)		13:20				X										1
13	EB-33-SE2 (0-2)		13:30				X								X	HOLD	1
14	EB-33-SW1 (0-2)		13:55				X										1
15	EB-33-SW2 (0-2)		14:01			SO	X								X	HOLD	1
16	RS-3	7/20/20	14:03			W	X			X							1
17																	
18																	
19																	
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34																	
35																	

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	7/21/20 08:25	1:	7/21/20 8:21
2:	7/21/20 12:00	2:	7/21/20 12:06
		3:	

PROJECT INFORMATION	
PROJECT NAME:	Atlanta Beltline
PROJECT #:	20-GA-01192-11, -12, -13
SITE ADDRESS:	Atlanta
SEND REPORT TO:	Spencer Cox
INVOICE TO: (IF DIFFERENT FROM ABOVE)	
PO#	8390

RECEIPT	
Total # of Containers	16

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other ___ 4 Day Turn

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:
SEGMENT 2

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

Client: United Consulting Group Inc.
Project: Atlanta Beltline
Lab ID: 2007S42

Case Narrative

Additional Testing:

At the request of Spencer Cox with United Consulting via e-mail on 7/29/20 samples listed below were analyzed for Total Arsenic from AES work order 2007K66 as a 5 day TAT:

2007K66-002A - EB-34-N2(0-2)
2007K66-006A - EB-34-SW2(0-2)
2007K66-011A - EB-33-N2(0-2)

Analytical Environmental Services, Inc **Date:** 5-Aug-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34-N2(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 11:25:00 AM
Lab ID:	2007S42-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	46.4	2.31		mg/Kg-dry	300644	1	08/03/2020 17:44	KB
PERCENT MOISTURE D2216								
Percent Moisture	25.8	0		wt%	R431238	1	07/30/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 5-Aug-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-34-SW2(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 12:00:00 PM
Lab ID:	2007S42-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	200	2.53		mg/Kg-dry	300644	1	08/03/2020 17:47	KB
PERCENT MOISTURE D2216								
Percent Moisture	13.0	0		wt%	R431238	1	07/30/2020 00:00	JW

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 5-Aug-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	EB-33-N2(0-2)
Project Name:	Atlanta Beltline	**Collection Date:**	7/20/2020 12:20:00 PM
Lab ID:	2007S42-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D (SW3050B)								
Arsenic	22.6	2.66		mg/Kg-dry	300644	1	08/03/2020 17:49	KB
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R431238	1	07/30/2020 00:00	JW

Qualifiers:

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

Clear | Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

7/24

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: ~~2007K66~~ 2007842

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?	◉	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 1.4 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). DY 7/22/2020

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). DY 7/22/2020

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted at Sample Receipt?	○	○	◉		

* 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.

I certify that I have completed sections 28-30 (dated initials). DY 7/22/2020

Checklist 6.9.17 Rev 2

Locked

Client: United Consulting Group Inc.
Project Name: Atlanta Beltline
Workorder: 2007S42

ANALYTICAL QC SUMMARY REPORT

BatchID: 300644

Sample ID: **MB-300644** Client ID: Units: **mg/Kg** Prep Date: **08/03/2020** Run No: **431482**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **300644** Analysis Date: **08/03/2020** Seq No: **9789866**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	2.50									

Sample ID: **LCS-300644** Client ID: Units: **mg/Kg** Prep Date: **08/03/2020** Run No: **431482**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **300644** Analysis Date: **08/03/2020** Seq No: **9789867**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.17	2.50	50.00		94.3	80	120				

Sample ID: **2007911-014AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **08/03/2020** Run No: **431482**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **300644** Analysis Date: **08/03/2020** Seq No: **9789871**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	35.76	2.00	40.03		89.3	75	125				

Sample ID: **2007911-014AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **08/03/2020** Run No: **431482**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **300644** Analysis Date: **08/03/2020** Seq No: **9789872**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	35.64	2.00	40.05		89.0	75	125	35.76	0.347	20	

Qualifiers:

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

End of Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 21, 2020

Spencer Cox
United Consulting Group Inc.

625 Holcomb Bridge Rd
Norcross GA 30071

RE: ABI Segment 2 (Atlanta Beltline)

Dear Spencer Cox: Order No: 2010H99

Analytical Environmental Services, Inc. received 1 samples on 10/15/2020 12:52:00 PM
for the analyses presented in following report.

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

Ioana Pacurar

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta, GA 30340 Phone: (770) 457-8177

CHAIN OF CUSTODY

Work Order: 2010H99
Page 1 of 1

COMPANY:	ADDRESS:
UNITED CONSULTING	FILE
PHONE: 770 209 0029	EMAIL: bsharp@unitedconsulting.com
SAMPLED BY: BRANDON SHARP	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	ANALYSIS REQUESTED: TCLP (RCRA 8 Metals)	PRESERVATION (see codes)	REMARKS	Number of Containers
1	SG-2-C	10/15/20	10:10		X	SO	X			1
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. BRANDON SHARP	10/15/2020 12:52	1. Analyst	10/15/20 12:52
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
Client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME: ABI SEGMENT 2 (ATLANTA BELTLINE)
PROJECT #: 01192-11
SITE ADDRESS: MILTON AVE, ATL, GA
SEND REPORT TO: B. SHARP; S. COX
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: 9153

RECEIPT
Total # of Containers: 1

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

REGULATORY PROGRAM (if any):
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water 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

4.30.20_COC

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 21-Oct-20

Client:	United Consulting Group Inc.	**Client Sample ID:**	SG-2-C
Project Name:	ABI Segment 2 (Atlanta Beltline)	**Collection Date:**	10/15/2020 10:10:00 AM
Lab ID:	2010H99-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
MERCURY, TCLP SW1311/7470A					**(SW7470A)**			
Mercury	BRL	0.00400		mg/L	304583	1	10/20/2020 17:24	SK
ICP METALS, TCLP SW1311/6010D					**(SW3010A)**			
Arsenic	BRL	0.250		mg/L	304590	1	10/21/2020 12:06	KB
Barium	BRL	0.500		mg/L	304590	1	10/21/2020 12:06	KB
Cadmium	BRL	0.0250		mg/L	304590	1	10/21/2020 12:06	KB
Chromium	BRL	0.0500		mg/L	304590	1	10/21/2020 12:06	KB
Lead	BRL	0.0500		mg/L	304590	1	10/21/2020 12:06	KB
Selenium	BRL	0.100		mg/L	304590	1	10/21/2020 12:06	KB
Silver	BRL	0.0250		mg/L	304590	1	10/21/2020 12:06	KB

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- 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: 21-Oct-20

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor

Client Sample ID: SG-2-C **Lab ID:** 2010H99-001
Collection Date: 10/15/2020 10:10:00 AM **Matrix:** Soil

MERCURY, TCLP SW1311/7470A (SW7470A)

No reportable hits were detected

ICP METALS, TCLP SW1311/6010D (SW3010A)

No reportable hits were detected

Qualifiers:

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

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **United Consulting Group Inc.** AES Work Order Number: **2010H99**

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?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). ARS 10/15/20

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	●		
26.	Were trip blanks submitted?	○	○	●	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MJ 10/15/20

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* 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.

I certify that I have completed sections 28-30 (dated initials). MJ 10/15/20

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Client: United Consulting Group Inc.
Project Name: ABI Segment 2 (Atlanta Beltline)
Workorder: 2010H99

ANALYTICAL QC SUMMARY REPORT

BatchID: 304583

Sample ID: **MB-304583**	Client ID:				Units: **mg/L**		Prep Date: **10/20/2020**		Run No: **437549**	
SampleType: **MBLK**	TestCode: **MERCURY, TCLP SW1311/7470A**				BatchID: **304583**		Analysis 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:				Units: **mg/L**		Prep Date: **10/20/2020**		Run No: **437549**	
SampleType: **LCS**	TestCode: **MERCURY, TCLP SW1311/7470A**				BatchID: **304583**		Analysis 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:				Units: **mg/L**		Prep Date: **10/20/2020**		Run No: **437549**	
SampleType: **MS**	TestCode: **MERCURY, TCLP SW1311/7470A**				BatchID: **304583**		Analysis 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:				Units: **mg/L**		Prep Date: **10/20/2020**		Run No: **437549**	
SampleType: **MSD**	TestCode: **MERCURY, TCLP SW1311/7470A**				BatchID: **304583**		Analysis 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	20	

Qualifiers:

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

Client: United Consulting Group Inc.
Project Name: ABI Segment 2 (Atlanta Beltline)
Workorder: 2010H99

ANALYTICAL QC SUMMARY REPORT

BatchID: 304590

Sample ID: **MB-304590** Client ID: Units: **mg/L** Prep Date: **10/20/2020** Run No: **437600**
SampleType: **MBLK** TestCode: **ICP METALS, TCLP SW1311/6010D** BatchID: **304590** Analysis Date: **10/21/2020** Seq No: **9952593**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.250									
Barium	BRL	0.500									
Cadmium	BRL	0.0250									
Chromium	BRL	0.0500									
Lead	BRL	0.0500									
Selenium	BRL	0.100									
Silver	BRL	0.0250									

Sample ID: **LCS-304590** Client ID: Units: **mg/L** Prep Date: **10/20/2020** Run No: **437600**
SampleType: **LCS** TestCode: **ICP METALS, TCLP SW1311/6010D** BatchID: **304590** Analysis Date: **10/21/2020** Seq No: **9952594**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD 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				
Selenium	5.227	0.100	5.000		105	80	120				
Silver	0.5113	0.0250	0.5000		102	80	120				

Sample ID: **2010I14-007AMS** Client ID: Units: **mg/L** Prep Date: **10/20/2020** Run No: **437600**
SampleType: **MS** TestCode: **ICP METALS, TCLP SW1311/6010D** BatchID: **304590** Analysis Date: **10/21/2020** Seq No: **9952598**

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

Client: United Consulting Group Inc.
Project Name: ABI Segment 2 (Atlanta Beltline)
Workorder: 2010H99

ANALYTICAL QC SUMMARY REPORT

BatchID: 304590

Sample ID: **2010I14-007AMS** Client ID: Units: **mg/L** Prep Date: **10/20/2020** Run No: **437600**
SampleType: **MS** TestCode: **ICP METALS, TCLP SW1311/6010D** BatchID: **304590** Analysis Date: **10/21/2020** Seq No: **9952598**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%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: Units: **mg/L** Prep Date: **10/20/2020** Run No: **437600**
SampleType: **MSD** TestCode: **ICP METALS, TCLP SW1311/6010D** BatchID: **304590** Analysis Date: **10/21/2020** Seq No: **9952599**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	5.348	0.250	5.000		107	50	150	5.338	0.191	30	
Barium	5.380	0.500	5.000	0.03690	107	50	150	5.402	0.406	30	
Cadmium	5.347	0.0250	5.000		107	50	150	5.360	0.241	30	
Chromium	5.345	0.0500	5.000		107	50	150	5.373	0.518	30	
Lead	5.353	0.0500	5.000		107	50	150	5.355	0.040	30	
Selenium	5.241	0.100	5.000		105	50	150	5.258	0.318	30	
Silver	0.5100	0.0250	0.5000		102	50	150	0.5104	0.059	30	

Qualifiers:

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

End of Report