FIFTH (5TH) SEMI-ANNUAL PROGRESS REPORT
FOR THE
DAVIDSON-KENNEDY COMPANY FACILITY
1195 VICTORY DRIVE
ATLANTA, FULTON COUNTY, GEORGIA©
HSI#10866

DOCUMENT PREPARED FOR:

DAVIDSON KENNEDY COMPANY
5273 REDFIELD ROAD
DUNWOODY, GEORGIA 30338

DOCUMENT PRESENTED TO:

GEORGIA DEPARTMENT OF NATURAL RESOURCES
2 MARTIN LUTHER KING, JR. DRIVE, SE, SUITE 1154
ATLANTA, GEORGIA 30334

DOCUMENT PREPARED BY:

PEACHTREE ENVIRONMENTAL
3000 NORTHWOODS PARKWAY, SUITE 105
NORCROSS, GEORGIA 30071
(770) 449-6100 · (770) 449-6119 FAX
WWW.PEACHTREEENVIRONMENTAL.COM

DECEMBER 2013

THE INFORMATION CONTAINED IN THIS REPORT TITLED
"FIFTH (5TH) SEMI-ANNUAL PROGRESS REPORT
FOR THE
DAVIDSON-KENNEDY COMPANY FACILITY
ATLANTA, FULTON COUNTY, GEORGIA ©"
HSI#10866

IS INTENDED FOR THE
USE OF DAVIDSON-KENNEDY COMPANY, THEIR OFFICERS
AND DESIGNEES
AND THE
GEORGIA DEPARTMENT OF NATURAL RESOURCES

Project No. 3185

DOCUMENT PREPARED BY:

Jason P. Chappell, *PROJECT MANAGER*

DOCUMENT REVIEWED BY:

John P. Martiniere, Jr., P.E., *PROJECT DIRECTOR*

Charles H. MacPherson, Jr., *TECHNICAL DIRECTOR*

DECEMBER 2013

CERTIFICATION

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

John P. Martiniere, Jr., P.E.
Georgia Registration No. 11858

A monthly summary of Professional Engineer/Geologist hours expended as part of the initial application and this semi-annual progress report is included as **Appendix A**.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

ACRONYMS

AES	Analytical Environmental Services, Inc.
APLS	Aqueous Phase Liquids
Applicant	Davidson-Kennedy Company
bgs	Below Ground Surface
bls	Below Land Surface
CAP	Corrective Action Plan
CSR	Compliance Status Report
COCs	Constituents of Concern
COPC	Constituent of Potential Concern
CSM	Conceptual Site Model
Davidson-Kennedy	Davison-Kennedy Company
Georgia EPD	Georgia Environmental Protection Division
GHWMA	Georgia Hazardous Waste Management Act
HSI	Hazardous Site Inventory
HSRA	Hazardous Site Response Act
HSRP	Hazardous Site Response Program
HWMA	Hazardous Waste Management Act
IRIS	Integrated Risk Information System
MCL	Maximum Contaminant Levels
µg/L	Micrograms per Liter (same as ppb)
mg/Kg	Milligrams per Kilogram (same as ppm)
mg/L	Milligrams per Liter (same as ppm)
NC	Notification Concentration
PAHs	Polyaromatic Hydrocarbons
Peachtree	Peachtree Environmental
POD	Point of Demonstration
ppb	Parts per Billion
ppm	Parts per Million
PRE	Preliminary Risk Evaluation
RAGS	Risk Assessment Guidance for Superfund
RBCA	Risk Based Corrective Action
REC	Recognized Environmental Conditions
RN	Release Notification
RQSM	Reportable Quantities Screening Method
RRS	Risk Reduction Standard
Site	Davidson-Kennedy Company Facility
SVOCs	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
UCL	Upper Confidence Level
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VIRP	Voluntary Investigation and Remediation Program
VRP	Voluntary Remediation Program
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION AND BACKGROUND

1.1 INTRODUCTION

PEACHTREE ENVIRONMENTAL (Peachtree) is submitting this Semi-Annual Progress Report on behalf of **DAVIDSON-KENNEDY COMPANY** (Davidson-Kennedy) for the Davidson-Kennedy Facility, 1195 Victory Drive; HSI#10866 (the "Property" or "VRP Property").

1.2 PROPERTY DESCRIPTION

The Property consists of 9.17 acres of land located at 1195 Victory Drive in Atlanta, Fulton County, Georgia. The Property has a latitude coordinate of 33°42'27.41" North and a longitude coordinate of 84°25'35.39" West. A Property Location Map is included as **Figure 1**.

The Property is bordered to the south by Victory Drive with industrial facilities beyond; Lanier Drive SW and residential developments to the east; industrial facilities to the north; and a Norfolk Southern railway with Georgia Highway 29 beyond to the west. A stream enters the Property on the northeastern property boundary and flows approximately 200 feet south into a subgrade pipe which outfalls to the southeast off the Property. An ephemeral ditch enters the property on its northeastern corner and traverses in a southerly direction.

There are currently no operations at the Property. All structures, except for an unoccupied office building, have been demolished and removed from the Property with the exception of some former building foundations/slabs. Access to the Property is available via gated access along Victory Drive and Lanier Drive SW, as well as other non-fenced portions of the Property. A Site Layout is provided as **Figure 2**. Topography of the surrounding area has been modified by urban development. The western portion of the Davidson-Kennedy facility is situated on relatively flat land with topographic relief to the east-southeast. Eastern portions of the Property are also situated on relatively flat land after an elevation transition, in some instances, approximately 18 feet from western portions of the Property. Steep embankments are present at the transition from western to eastern portions of the Property. Surface drainage and groundwater flow on the Property mirrors the topographic relief with gradients to the southeast. A USGS Topographic is included as **Figure 3**.

1.3 PROPERTY BACKGROUND

The extent of impact to soils and groundwater at the Property has been evaluated based on the collection of representative environmental media samples and the subsequent analytical testing of those samples for known constituents of concern.

1.3.1 Initial Property Assessment Activities

Previously conducted investigations on the Property identified the presence of regulated substances in soil and/or groundwater samples. These findings were part of prior investigative activities conducted by Kemron Environmental Services (Kemron) on the Property from the time period of August 2005 to August 2007. These assessment activities included the collection of soil samples from one hundred fourteen (114) soil borings and ten (10) temporary groundwater monitoring wells.

Analytical data gathered from investigation activities indicated that Lead was the only inorganic constituent detected above its respective HSRA Notification Concentration (NC). Numerous semi-volatile organic compounds (SVOC) and polynuclear aromatic hydrocarbon (PAH) compounds were detected in soil samples collected at varying locations around the Property. Concentrations of chrysene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benzo(k)fluoranthene, naphthalene, and benzo(a)anthracene were detected at concentrations exceeding their respective HSRA NCs. Concentrations of various volatile organic compounds (VOCs) were also detected in soil above the laboratory detection limits. Of the VOC detections, Benzene was reportedly the only VOC exceeding its respective HSRA NC.

1.3.2 Soil Remediation Activities

Based upon the results of analytical testing, soils exceeding regulatory cleanup criteria were removed via mechanical excavation. A total of thirteen (13) areas (i.e., excavation areas A to M) were identified as requiring corrective action to meet HSRA NCs. Remedial activities were delayed for approximately nine months while a Land Disturbance Permit was sought for approval from the City of Atlanta.

Four (4) of the proposed excavation areas contained soils with various SVOCs over their respective NCs ('J', 'K', 'L', and 'M'). Additionally, Benzene and Xylene concentrations above the applicable NCs were detected in soil at excavation 'K'. Isophorone was detected in the excavation area labeled 'L'. Excavation areas 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I' exhibited soil concentrations of Lead above the NC. Select areas in 'K' and 'M' were removed to the groundwater table. Excavation 'A' extended beyond the initially proposed area to the north, south, and southeast. Based on confirmatory sampling results, additional excavation was required to remediate respective compounds to below the NC at excavations 'A', 'B', 'E', 'G', 'H', 'J', 'K' and 'M'.

Several areas within excavation area 'A' required stabilization to render the soils non-hazardous for Lead. Stabilization was achieved in-situ by mixing soil with granulated triple superphosphate to meet non-hazardous waste criteria.

A total of 28,106.62 tons of Lead, Benzene, Xylene, and SVOC impacted soil was removed from the Property and disposed of as non-hazardous waste at the Eagle Point Landfill in Ball Ground, Georgia. The summary report indicated that, based on the results of the confirmatory sampling, Lead, Benzene, Xylene, and SVOC impacted soil at the Property had been successfully removed with remaining concentration below their respective NCs.

1.3.3 HSRA Release Notification, February 13, 2007

A HSRA Release Notification for groundwater was submitted on behalf of Davidson-Kennedy by Kemron on February 13, 2007. The Notification included soil and groundwater data from the prior Kemron assessment activities, as well as a Site Summary and a copy of the February 6, 2007 Soil Excavation and Disposal Summary Report.

1.3.4 May 14, 2007 Georgia EPD Meeting

The Georgia EPD and Davidson-Kennedy representatives held a meeting on May 14, 2007 to discuss Georgia EPD's technical comments regarding the data submitted as part of the Release Notification. Georgia EPD's primary focus was the adequacy of post-excavation confirmatory samples to verify the removal of constituents of concern to below NCs.

1.3.5 May 18, 2007 Response to Georgia EPD Comments

Kemron, on behalf of Davidson-Kennedy, prepared a letter response to the technical issues raised by the Georgia EPD during the May 14, 2007 meeting. Kemron addressed five (5) Georgia EPD comments with supporting documentation to address specific concerns regarding confirmatory soil testing, delineation to background in soils, and stained soils observed on the Property.

1.3.6 August 27, 2007 Georgia EPD Soil Sampling

The Georgia EPD mobilized to the Property on August 27, 2007 to collect soil, sediment, and surface water samples. The locations sampled were provided by Georgia EPD to Davidson-Kennedy on a Property map prior to the sampling activities. A total of eleven (11) soil samples, two (2) surface water samples, and one (1) sediment sample (DK-1 to DK-14) were collected by the Georgia EPD. Two of the samples (DK-4 and DK-5) were collected from surface water traversing the northeastern boundary of the facility. DK-3 was collected from the outfall on the south side of Victory Drive. The remainder of the samples (DK-1, DK-2, DK-6, DK-7, DK-8, DK-9, DK-10, DK-11, DK-12, DK-13, and DK-14) were collected from surface soils at a depth of 0 to 6 inches.

1.3.7 October 18, 2007 Georgia EPD Letter with August 27, 2007 Analytical Data Package

The Georgia EPD sample results were provided to Davidson-Kennedy in a letter dated October 18, 2007. The results reported detections of Metals (Lead and Arsenic) and various SVOCs in nine (9) of the thirteen (13) soil samples collected as part of assessment activities.

1.3.8 October 26, 2007 Georgia EPD Letter Listing the Property on the Hazardous Site Inventory

The Georgia EPD listed the Davidson-Kennedy Facility on the Georgia Hazardous Site Inventory in a letter dated October 26, 2007 as a Class II Site. The Property was listed for the On-site Exposure pathway. The Property did not list based upon groundwater scoring. The HSI number for the Davidson-Kennedy Property is 10866.

1.3.9 May 2010 Submission of Voluntary Remediation Plan

Peachtree submitted a VRP Application to the Georgia EPD on behalf of Davidson-Kennedy on May 24, 2010. The VRP Application included a discussion of past assessment and corrective action activities, applicable clean-up and delineation standards, and a Conceptual Site Model (CSM) describing Property conditions and potential exposure pathways.

1.3.10 September 14, 2010 Georgia EPD Proposed Consent Order

The Georgia EPD determined that Davidson-Kennedy was currently ineligible for VRP participation due to criteria under Section 12-8-106 of the Act. With this letter, EPD forwarded a proposed Consent Order to address issues that precluded Davidson-Kennedy's participation in the VRP.

1.3.11 October 12, 2010 Georgia EPD VRP Application Comments

The Georgia EPD provided comments on the May 2010 VRP Application in a letter dated October 12, 2010. The technical comments requested additional details relating to the CSM, the Site Delineation Criteria, and the Preliminary Voluntary Investigation and Remediation Plan.

1.3.12 January 26, 2011 Georgia EPD Executed VRP Consent Order

A VRP Consent Order between the Georgia EPD and Davidson-Kennedy was executed on January 26, 2011. EPD specified a 45 day deadline to submit a revised VRP Application addressing the October 12, 2010 Georgia EPD VRP comments.

1.3.13 Revisions to the VRP Application

Peachtree submitted a VRP Application to the Georgia EPD on behalf of Davidson-Kennedy in May 2010. The Georgia EPD issued a response letter to that VRP Application on October 12, 2010. Pursuant to the State's response letter Peachtree submitted supporting documentation on March 11, 2011 followed by an amended VRP Application in May 2011. The amended application included the results of an anthropogenic background study for Lead and proposed Property delineation standards.

1.3.14 Georgia EPD VRP Application Comment and Approval Letters

The Georgia EPD provided comments relative to its review of the March and May 2011 versions of the VRP Application in a letter dated June 30, 2011 and simultaneously approved the VRP Application in a letter dated June 30, 2011 with certain conditions. These conditions / comments were addressed in the last Semi-Annual Progress Report dated December 2011.

1.3.15 1st Semi-Annual Progress Report – December 2011

Davidson-Kennedy submitted the first Semi-Annual Progress Report for the Property in December 2011. The report detailed the collection of thirty- five (35) soil samples to fill in data gaps from the 2005 Kemron and 2007 EPD / Kemron soils data. In addition, one (1) groundwater monitoring well was installed on the southeastern property boundary to demonstrate groundwater delineation at the Property boundary. The Report concluded that on-property soils delineation had been completed as well as on-property groundwater delineation.

1.3.16 2nd Semi-Annual Progress Report – June 2012

Davidson-Kennedy submitted the second Semi-Annual Progress Report for the Property in June 2012. This report detailed the four (4) soil borings (OS-1 to OS-4) installed to delineate the previous detections in DK-6 and DK-7 collected by the Georgia EPD in 2007. The shallow (0 to 0.5 foot) and deeper subsurface intervals (3 feet) were recovered from each soil boring and submitted for analytical testing for Lead via EPA Method 6010.

Analytical testing results reported shallow surface interval concentrations of Lead ranging from 26.1 mg/kg in sample OS-3-1 to 220 mg/kg in sample OS-1-1. Deeper interval Lead concentrations ranged from 12.0 mg/kg in sample OS-4-3 to 15.8 mg/kg in sample OS-1-3. Based on a comparison to the calculated anthropogenic Lead background concentration of 224 mg/kg, off-property horizontal delineation of DK-6 and DK-7 is complete.

Also included in the 2nd Semi-annual Progress report was a geospatial statistical analysis of the Property data utilized in the formulation of an Exposure Point Concentration (EPC). The EPC was derived from the 95% Upper Confidence Limit of the mean of the contaminant concentrations. For the VRP Property, Lead was utilized as it is the most prevalent regulated constituent driving corrective measures.

A geostatistical technique called Kriging was employed to estimate the EPC. The estimate is based upon a 2 acre exposure domain for the Property. Based upon the Kriging analysis, approximately 1,100 cubic yards of impacted soils will require removal to bring the domain area average into compliance with the HSRA Type 3 RRS for Lead of 400 mg/kg.

1.3.17 3rd Semi-Annual Progress Report – December 2012

Davidson-Kennedy submitted the third Semi-Annual Progress Report for the Property in December 2012. As Georgia EPD had not provided comments relative to the first and second semi-annual report submittals, the third Semi-Annual Report restated the findings of the aforementioned off-property delineation sampling and geospatial statistical analysis.

Based on the findings, Davidson-Kennedy sought the Georgia EPD's concurrence with Peachtree's conclusion that:

1) On and off-site soil and groundwater delineation is complete; and

2) The analysis employed to determine the extent of additional corrective action at the VRP Property is acceptable.

1.3.18 May – June 2013 Soil Delineation Sampling Activities

Peachtree mobilized to the Property on May 23, 2013 and June 18, 2013 to collect soil samples in locations where on-property delineation was not complete. A total of fourteen (14) soil samples were collected from twelve soil borings (SB-1 through SB-12) and analyzed for Lead and/or select PAHs requiring delineation. Soil samples analyzed for Lead were collected at the surface (0 to 2 feet - below ground surface [ft-bgs]) while soil samples analyzed for select PAHs were collected at the surface, 4 ft-bgs, and 8 ft-bgs, as determined by the depths of previous soil samples which exceeded the respective Type 1 RRS. The analytical results of the soil investigation are detailed in Section 3.2.

1.3.19 June 12, 2013 Georgia EPD Meeting

The Georgia EPD and Davidson-Kennedy representatives held a meeting on June 12, 2013 to discuss Georgia EPD's aforementioned technical comments from

March 22, 2013. Based on these discussions, Peachtree provided responses to the comments and submitted them along with the fourth Semi-Annual Progress Report, dated June 30, 2013.

1.3.20 4th Semi-Annual Progress Report – June 2013

Davidson-Kennedy submitted the fourth Semi-Annual Progress Report for the Property in June 2013. This report included the results of the May and June 2013 soil delineation activities and soil delineation isoconcentration maps depicting the completed onsite horizontal delineation for COCs.

1.3.21 October 2013 Backfill Screening Activities

Georgia EPD reviewed the Kriging analysis and provided comments in a June 12, 2013 meeting and via email. Peachtree has incorporated the responses to Georgia EPD's comments in this report, as applicable. In order to address Georgia EPD's comment regarding the average backfill concentration utilized in the Kriging model, Peachtree mobilized to the Property on October 30, 2013 to collect soil samples in backfill locations across the Property. A total of ten (10) soil samples were collected from ten (10) soil borings and field screened for Lead using an XRF handheld unit. Soil samples were collected at depths based on the thickness of the backfill area. The results from the ten (10) locations were averaged and utilized in the Kriging model. Soil sampling methodology and decontamination procedures are detailed in Section 2.5. The results of the XRF field screening activities are detailed in Section 3.3.

1.3.22 November 2013 Soil Delineation Sampling Activities

Peachtree mobilized to the Property on November 8, 2013 to collect soil samples in locations where on-property vertical delineation was not complete at DK-19, DK-21, and DK-43. A total of three (3) soil samples were collected from soil borings DK-19A, DK-21A, and DK-43A and analyzed for Arsenic, Lead, and Chromium, respectively. Soil samples analyzed for Lead were collected at 4 ft-bgs. Soil sampling methodology, decontamination procedures, and laboratory methods are detailed in Section 2.6. The analytical results of the soil investigation are detailed in Section 3.4.

2.0 ACTIVITIES COMPLETED SINCE LAST CONCEPTUAL SITE MODEL UPDATE

2.1 DOMAIN AREA AVERAGING AND GEOSPATIAL ANALYSIS OF SOIL DATA

Areas of urban fill are present throughout the VRP Property. Urban fill presents a unique situation where there is not a reasonably defined source area, but rather a widespread matrix of heterogeneous material exhibiting varying degrees of impact with regulated substances. As such, a cleanup based upon individual soil sample results may incorrectly mischaracterize risk. As such, the Property was evaluated based upon statistical "averages" of pre-defined exposure domains in order to more realistically characterize the risk for the Property.

2.1.1 Historic On-Property Delineation Activities

Horizontal delineation activities on the VRP Property were initiated in November 2011. A total of thirty-five (35) soil borings were advanced in order to delineate concentrations of select metals and PAHs in surface soils. Vertical delineation samples were also collected during the November 2011 sampling activities, but were not presented in prior semiannual progress reports. The November 2011 sample locations were selected based upon analytical data gaps from soil borings conducted by Kemron in 2005 and data collected by the Georgia EPD and Kemron in 2007.

In May 2013 and June 2013, soil samples were collected from the D-K Property in an effort to delineate the horizontal extent of soils from previous detections of Lead at the Property above the 224 mg/kg anthropogenic background concentration as well as previous detections of PAHs above respective Type 1 RRS.

In November 2013, soil samples were collected from the D-K Property in an effort to vertically delineate concentrations of selected metals (Arsenic, Chromium, and Lead) with observed impacts over their respective delineation criteria.

A map showing prior sample locations from Kemron, EPD, and Peachtree's current and historic soil boring locations installed for the purposes of delineation is included on **Figure 4**. The intent of the sampling efforts was to complete on-property horizontal and vertical soil delineation of regulated substances exceeding applicable delineation criteria. The following delineation criteria apply to the Property:

SOIL DELINEATION STANDARDS

REGULATED CONSTITUENT	DELINEATION STANDARD (MG/KG)
METALS	
Lead	224*
Arsenic	20
Barium	1,000
Cadmium	2
Chromium	100
Mercury	0.5
VOLATILE ORGANIC COMPOUNDS	
Benzene	0.5
Xylene	1,000
SEMI-VOLATILE ORGANIC COMPOUNDS	
Fluoranthene	500
Phenanthrene	110
Pyrene	500
Acenaphthene	300
Benzo(a)anthracene	5
Benzo(a)pyrene	1.64
Benzo(b)fluoranthene	5
Benzo(k)flouranthene	5
Benzo(g,h,i)perylene	500
Chrysene	5
Indeno(1,2,3-cd)pyrene	5

NOTES:
* Property specific anthropogenic background concentration approved by the Georgia EPD on October 14, 2011.
Delineation criteria, unless otherwise noted, is the Type 1 Risk Reduction Standard.

The following findings resulted from November 2011 soil horizontal delineation activities:

LEAD

Delineation criteria of 224 mg/kg was exceeded in the surface interval (0 - 0.5 ft) in fourteen (14) of the 35 soil samples collected on the Property. Namely, soil samples DK-16, DK-19, DK-21, DK-23, DK-24, DK-25, DK-27, DK-28, DK-29, DK-35, DK-43, DK-46, DK-47, and DK-49. A summary of all surface soil Lead concentrations remaining on-site, including the arithmetic mean and the standard deviation calculations, is included as **Table 1**.

Vertical delineation of these sample locations was previously completed in November 2011, with the exception of soil sample DK-21. Vertical delineation of this sample was completed in November 2013 with soil sample DK-21A, collected at a depth of 4 ft-bgs. The resulting Lead was 69.7 mg/kg.

ARSENIC

Delineation criteria of 20 mg/kg was exceeded in one (1) of the 35 delineation soil borings (DK-19) on the Property. Vertical delineation of this sample was completed in November 2013 with soil sample DK-19A, collected at a depth of 4 ft-bgs. The resulting Arsenic concentration was below the laboratory method detection limit (MDL) of 5.77 mg/kg.

CHROMIUM

Delineation criteria of 100 mg/kg was exceeded in one (1) of the 35 delineation soil borings (DK-43) on the Property. Vertical delineation of this sample was completed in November 2013 with soil sample DK-43A, collected at a depth of 4 ft-bgs. The resulting Chromium concentration was 68.7 mg/kg.

BARIUM, CADMIUM, AND MERCURY

Concentrations of Barium, Cadmium, and Mercury were not detected above the Type 1 default delineation criteria in any of the 35 surface soil (0 to 0.5 ft) soil sample locations.

Analytical results of detected surficial metals are summarized in **Table 2**. Full copies of the analytical data reports from the November 2011 and November 2013 vertical delineation results are included in **Appendix B**.

POLYNUCLEAR AROMATIC HYDROCARBONS

One detection of Benzo(a)pyrene was reported above the delineation criteria in surface (0 to 0.5 ft) interval in sample DK-28. Vertical delineation of this sample was completed in November 2011 with soil sample DK-28, collected at a depth of 8-10 ft-bgs. The resulting Benzo(a)pyrene concentration was below the laboratory method detection limit (MDL) of 1.6 mg/kg.

Analytical data summaries of detected surficial PAHs are summarized in **Table 3**. Full copies of the analytical data reports from the November 2011 and November 2013 vertical delineation results are included in **Appendix B**.

2.1.2 June 2012 Statistical Analysis of Horizontal Delineation Data

Analytical data from samples collected by Kemron, EPD, and Peachtree were utilized to conduct a geospatial statistical analysis of the Property data such that an Exposure Point Concentration (EPC) could be calculated. The EPC is derived from the 95% Upper Confidence Limit of the mean of the contaminant concentrations. In this case, Lead was utilized as it is the most prevalent regulated constituent driving corrective measures.

Traditional methods for calculating EPCs rely upon data that is typically biased towards contaminated portions of a given property. Most environmental sampling strategies seek to find and investigate source areas and in doing so, the unaffected areas of a property, as a whole, are not factored into the risk scenario. Geostatistical methodologies account for this inherent bias and provide a statistical approach for determining spatial correlations between data points, utilizing these correlations to estimate concentrations between data points, and determining the accuracy of the correlations.

For the Davidson-Kennedy VRP Property, a geostatistical technique called kriging was employed to estimate the EPC. The estimate is based upon a 2 acre exposure domain for the Property. Based upon the kriging analysis, approximately 1,100 cubic yards of impacted soils will require removal to bring the domain area average into compliance with the HSRA Type 3 RRS for Lead of 400 mg/kg. A copy of the Geostatistical Soils Evaluation report performed for Peachtree by NewFields was included as Appendix A in the June 2012 VRP Semiannual Report.

Since the June 2012 submittal, Georgia EPD has reviewed the Kriging analysis and provided comments in a June 12, 2013 meeting and via email. Peachtree has incorporated some of the responses to Georgia EPD's comments in this report, as applicable. Based on the preliminary re-analysis of the Kriging model in November 2013 which utilized newly collected average backfill lead concentration data, approximately 1,180 cubic yards of impacted soils will require removal to bring the domain area average into compliance with the HSRA Type 3 RRS for Lead of 400 mg/kg. It is anticipated that additional modifications will be administered as Georgia EPD reviews the preliminary re-analysis, thus further discussion of the Kriging analysis will be included in a document responding to EPD comments on the Kriging methodology, to be submitted at approximately the same time as this report under separate cover, and ultimately in a VRP Corrective Action Plan, to be submitted at a later time under separate cover.

2.2 FINANCIAL ASSURANCE ESTIMATE AND MECHANISM

The Georgia EPD issued a Voluntary Remediation Program (VRP) Application Financial Assurance letter dated November 29, 2011. In the letter, the Georgia EPD stated that the previously submitted estimate for Financial Assurance of $44,000.00 was not

sufficient for complete implementation of the Voluntary Investigation and Remediation Program (VIRP) Application. This prior estimate contemplated on-property horizontal delineation of soil and groundwater and one year of semi-annual progress reporting, but not costs to implement corrective measures.

The revised estimate to perform corrective action was submitted to the Georgia EPD on February 15, 2012 and was based upon a domain area averaging geostatistical evaluation as described in Section 2.1.2. Based upon these domains, the initial geostatistical evaluation identified 1,100 cubic yards of soil that will require removal to bring the area averages to the Type 3 Risk Reduction Standard of 400 mg/kg for Lead. The remedial estimate for corrective action was $147,000, which was included as Appendix B in the June 2012 VRP Semiannual Report. A revised remedial estimate for corrective action will be provided with the aforementioned VRP Corrective Action Plan submittal utilizing the results of the November 2013 Kriging model re-analysis and/or future modifications as directed by Georgia EPD.

2.3 MAY 2012 OFF-PROPERTY SOIL DELINEATION

Soil samples were collected from a residential lot to the east of the D-K Property on May 25, 2012. The purpose of the sampling efforts was to expand the horizontal investigation of soils from previous detections of Lead in samples DK-6 and DK-7 collected by the Georgia EPD in 2007. Specifically, Lead was detected in soil samples DK-6 and DK-7 at concentrations of 330 mg/kg and 260 mg/kg, respectively. Soil sampling methodology, decontamination procedures, and laboratory methods were detailed in the June 2012 VRP Semiannual Report. Sample results are discussed further in Section 3.1 of this report.

2.4 MAY AND JUNE 2013 ON-PROPERTY SOIL DELINEATION

Soil samples were collected from the D-K Property on May 23, 2013 and June 18, 2013. The soil sampling efforts were designed to delineate the horizontal extent of soils from previous detections of Lead at the Property above the 224 mg/kg anthropogenic background concentration as well as previous detections of PAHs above respective Type 1 RRS. Specifically, surficial soil samples from soil borings SB-1, SB-9, SB-10, and SB-11 were collected to horizontally delineate previous detections of Lead observed above 224 mg/kg at DK-10, DK-11, DK-16, DK-28, and DK-49. Surficial soil samples from soil borings SB-1, SB-2, SB-3, SB-4, SB-5, SB-9, and SB-12 were collected at locations to horizontally delineate previous detections of select PAHs above respective Type 1 RRS at DK-9, DK-10, DK-11, and DK-28. Deeper soil samples were collected from soil borings SB-6, SB-7, SB-8, and SB-9 at depths ranging from 4 ft-bgs to 8 ft-bgs in locations where horizontal extend of select PAHs was not completed based on previous detections at GP-44, GP-46, and GP-47. In addition, a deeper soil sample was collected at a depth of 4 ft-bgs from SB-5 to complete vertical delineation of Benzo(a)pyrene detected in the surficial soil sample above the Type 1 RRS of 1.64 mg/kg.

In June 2013, based on the aforementioned May 2013 detection of Benzo(a)pyrene at SB-5 in the surficial soil sample, a horizontal delineation boring (SB-12) was installed and sampled to the east of SB-5. Sample results are discussed further in sections 3.2 and 3.3 of this report.

2.5 OCTOBER 2013 BACKFILL SCREENING ACTIVITIES

Peachtree mobilized to the Property on October 30, 2013 to collect soil samples in backfill locations across the Property. A total of ten (10) soil samples were collected from ten (10) soil borings and field screened for Lead using an XRF handheld unit. The results of the 10 soil sample locations were averaged for utilization in the Kriging model. Soil samples were collected at depths based on the thickness of the backfill area. A summary of the XRF results are included in **Table 4**. Sample results are discussed further in sections 3.4 of this report.

2.5.1 Soil Sampling Methodology

Stainless steel hand auger sampling methods were used to collect the backfill soil samples. The hand auger sampling method involved manual augering of the stainless steel hand auger through the surface and subsurface, until the desired depth was obtained. Upon collection of the soil sample, the sample was placed in a ziplock back and field screened with the XRF unit. The entire hand auger assembly was properly decontaminated between each borehole in accordance with USEPA Sceince and Ecosystem Support Division (SESD) procedural guidelines, SESDPROC-205-R2, Section 3.4.

2.5.2 Decontamination Procedures

All non-disposable sampling equipment was decontaminated before and between each sample by washing with phosphate-free laboratory grade detergent and distilled water, rinsed with distilled water, and rinsed with organic-free deionized water. Equipment transported to a sampling point from the decontamination area was wrapped in aluminum foil. Throughout the sampling and decontamination procedures, new disposable gloves were worn when equipment was handled.

2.6 NOVEMBER 2013 ON-PROPERTY VERTICAL SOIL DELINEATION

Soil samples were collected from the D-K Property on November 8, 2013. The soil sampling efforts were designed to delineate the vertical extent of soils from previous detections of Lead, Arsenic, and Chromium at the Property above their respective delineation criteria. Specifically, deeper soil samples from soil borings DK-19A, DK-21A, and DK-43A were collected to vertically delineate previous surficial detections of Arsenic, Lead, and Chromium observed above delineation criteria at DK-19, DK-21, and DK-43. Sample results are discussed further in section 3.5 of this report.

2.6.1 Soil Sampling Methodology

Direct push technology (DPT) sampling methods were used to collect the soil samples in order to minimize investigation-derived waste. The method also allowed sampling of discrete intervals with minimal interference from flowing sands and/or cave-ins that sometime occur during augering operations. The method involved pushing a closed, five-foot sampling core barrel equipped with an inner acetate liner to a desired depth, unlocking the core barrel tip, and pushing the core barrel through the sampling interval.

A soil boring log was maintained for each boring installed. Each log contained general Property information and specific information about each boring including: date sampled, sampling method, sampler, sample identification number, sample interval, field-screening results, a lithologic description and comments. Soil boring logs are included in **Appendix C**.

Soil samples were collected according to the general rationale described in this section. Samples for laboratory analysis were collected in the deeper intervals to delineate prior sample locations exceeding delineation criteria in surficial soil samples.

2.6.2 Sample Handling and Preservation Techniques

Soil samples were collected, via the DPT rig, in a stainless steel, 5 foot core barrel with a new acetate sleeve insert for each sample collected. The sampling core barrel was decontaminated between each depth interval in order to mitigate any cross contamination of depth intervals. Upon recovery of a sample, the acetate sleeve was removed from the barrel and cut open to expose the soil core. Following field screening, soil sampled for select metals were placed in one (1) pre-labeled, 4 ounce, un-preserved laboratory container. The recovered samples were then logged on the respective chain of custody sheet and placed in a sample cooler for hand-delivery to Analytical Environmental Services, Inc., (AES) of Atlanta, Georgia, a National Environmental Laboratory Accreditation Conference (NELAC) certified laboratory. Chain-of-custody documents accompanied each shipment.

2.6.3 Decontamination Procedures

All non-disposable sampling equipment was decontaminated before and between each sample by washing with phosphate-free laboratory grade detergent and distilled water, rinsed with distilled water, and rinsed with organic-free deionized water. Equipment transported to a sampling point from the decontamination area was wrapped in aluminum foil. Throughout the sampling and decontamination procedures, new disposable gloves were worn when equipment was handled.

2.6.4 Laboratory Methods

Analyses were performed by AES in accordance with US-EPA Standard Methods. Laboratory samples were submitted for Lead, Arsenic, and Chromium analysis via Method 6010B. The Quantitation Limit was based on the laboratory's self-determined Practical Quantitation Limit (PQL).

3.0 CONCEPTUAL SITE MODEL

Groundwater and soil delineation data collected as part of assessment activities in October and November 2011 were utilized to update the Conceptual Site Model (CSM) and complete horizontal delineation on the VRP Property. These findings were presented in the December 2011 Semi-Annual Update Report. These data indicated areas of fill of varying depths which are likely attributable to grading and Property leveling for the construction of buildings and operational areas in the early development of the Property dating back to pre-1920s. These urban fill areas contain varying concentrations of regulated substances, namely Metals and PAHs.

Off-property samples collected by the EPD in 2007 indicated that further delineation of regulated constituents is required to the east. These delineation activities were implemented in May of 2012. Horizontal delineation of previous sample locations at the Property was implemented in May and June 2013. Vertical delineation of previous sample locations at the Property was implemented in November 2013. These delineation activities are described in further detail in the following sections.

3.1 MAY 2012 OFF-PROPERTY SOIL HORIZONTAL DELINEATION RESULTS

The EPD collected a total of two (2) samples in August of 2007 on a property located at 1705 Lanier Drive. This property is located immediately adjacent to the eastern boundary of the D-K Property. A total of two (2) surface soil samples, DK-6 and DK-7, were collected and analyzed for RCRA Metals and Semi-volatile Organic Compounds (SVOCs). Sample analytical testing results indicated no detections of SVOCs above the laboratory method detection limits (MDL). Arsenic, Barium, and Chromium were detected above the laboratory MDL, but below applicable Type 1 RRS. Lead was detected above the anthropogenic background concentration of 224 mg/kg, as follows:

- DK-6 - GEPD Lead Result: 330 mg/kg (No SVOCs detected)
- DK-7 - GEPD Lead Result: 260 mg/kg (No SVOCs detected)

In May 2012, Peachtree installed a total of four (4) soil borings (OS-1 to OS-4) to delineate the previous detections in DK-6 and DK-7. The shallow (0 to 0.5 foot) and deeper subsurface intervals (3 feet) were recovered from each soil boring and submitted for analytical testing for Lead via EPA Method 6010. Peachtree's soil sample locations were recorded via a Trimble hand-held GPS unit and plotted on a survey of the D-K Property and adjacent residential lot. As depicted on Figure 7 in the June 2012 VRP Semiannual Report, the May 2012 soil samples were collected 25 feet to the north, south, and east of soil samples DK-6 and DK-7.

Analytical testing results reported shallow surface interval concentrations of Lead ranging from 26.1 mg/kg in sample OS-3-1 to 220 mg/kg in sample OS-1-1. Deeper interval Lead concentrations ranged from 12.0 mg/kg in sample OS-4-3 to 15.8 mg/kg in

sample OS-1-3. Analytical results for the May 2012 off-property assessment activities were presented on Table 4 and summarized on Figure 7 in the June 2013 VRP Semiannual Report. Copies of the May 2012 laboratory analytical data report were included in Appendix D in the June 2012 VRP Semiannual Report.

Based on a comparison to the calculated anthropogenic Lead background concentration of 224 mg/kg, off-property horizontal delineation of DK-6 and DK-7 is complete.

3.2 On-Property Soil Horizontal Delineation – Western and Southern Property Boundary

Horizontal delineation activities on the VRP Property were initiated in November 2011. A total of thirty-five (35) soil borings were advanced in order to delineate concentrations of select metals and PAHs in surface soils. The November 2011 sample locations were selected based upon analytical data gaps from soil borings conducted by Kemron in 2005 and data collected by the Georgia EPD and Kemron in 2007. Based on the analytical results, the following nine (9) soil samples on the western and southern property boundary were above the anthropogenic Lead background concentration of 224 mg/kg:

- DK-12 – GEPD Lead Result: 1,900 mg/kg
- DK-13 – GEPD Lead Result: 1,500 mg/kg
- DK-16 – Peachtree Lead Result: 364 mg/kg
- DK-23 – Peachtree Lead Result: 243 mg/kg
- DK-24 – Peachtree Lead Result: 28,600 mg/kg
- DK-25 – Peachtree Lead Result: 3,710 mg/kg
- GP-1 – Kemron Lead Result: 307 mg/kg
- GP-3 – Kemron Lead Result: 342 mg/kg
- GP-4 – Kemron Lead Result: 278 mg/kg
- GP-29 – Kemron Lead Result: 254 mg/kg

In February and April 2011, Peachtree conducted an anthropogenic background study for Lead impacts to surface soils from the former Ft. McPherson Army Base incinerator. A series of ten (10) background soil samples were collected from the right-of-way of Lee Street located between the Davidson-Kennedy property and the incinerator. Five (5) of the samples (BG-1 to BG-5) were collected from the eastern right-of-way of Lee Street

and five (5) samples (BG-6 to BG-10) were collected form the western side right-of-way along Lee Street. Samples were collected from the surface (0 to 6 inches) interval utilizing a decontaminated stainless steel sampling spoon. Recovered samples were placed in laboratory-supplied containers and submitted to Analytical Environmental Services, Inc. for testing of RCRA Metals via EPA Method 6010. The sampling methodology, analytical testing results, and statistical analysis of the background study were initially presented in the May 2011 Amended VRP Application submission to the Georgia EPD. Soil samples BG-1, BG-2, BG-3, BG-9, and BG-10 were utilized to delineate Lead impacts to the west of the aforementioned nine (9) soil sample locations. The analytical results from each of the April 2011 soil sample locations are as follows:

- BG-1 – Lead Result: 109 mg/kg
- BG-2 – Lead Result: 43.9 mg/kg
- BG-3 – Lead Result: 95.8 mg/kg
- BG-9 – Lead Result: 64.3 mg/kg
- BG-10 – Lead Result: 406 mg/kg

Based on a comparison of the Lead results from Peachtree's 2011 background study to previous soil sample locations DK-12, DK-13, DK-16, DK-23, DK-24, DK-25, GP-1, GP-3, GP-4, and GP-29, Peachtree has determined that horizontal delineation of surface soils is complete along the western property boundary.

On the southern property boundary, horizontal delineation of Lead was incomplete, based on the detection of Lead at DK-16 above 224 mg/kg. As such, Peachtree collected a surficial soil sample (SB-11) twenty (20) feet south of DK-16, within the right-of-way along Victory Drive in June 2013. Based on the analytical results of 20.3 mg/kg, Peachtree has determined that horizontal delineation of surface soils is complete along the southern property boundary.

Kemron's August 2005 soil analytical results for sample locations outside of the excavation area were summarized on Table 5 in the June 2013 VRP Semiannual Report. The February/April 2011 background study analytical results (and statistical analysis) and May/June 2013 analytical results were summarized on Table 6 and 7, respectively, in the June 2013 VRP Semiannual Report. The soil sample locations, analytical results, and horizontal extent contours were illustrated on Figure 9 in the June 2013 VRP Semiannual Report.

3.3 ON-PROPERTY SOIL HORIZONTAL DELINEATION – EASTERN PROPERTY BOUNDARY

As previously noted, horizontal delineation activities on the VRP Property were initiated in November 2011. A total of thirty-five (35) soil borings were advanced in order to

delineate concentrations of select metals and PAHs in surface soils. The November 2011 sample locations were selected based upon analytical data gaps from soil borings conducted by Kemron in 2005 and data collected by the Georgia EPD and Kemron in 2007.

Based on the results of these past investigations, it was determined that the horizontal extent of Lead and select PAHs was incomplete at locations on the eastern (and northeastern) property boundary. As such, Peachtree collected a total of eleven (11) samples from ten (10) soil boring locations (SB-1 through SB-10) in an effort to delineate impacts above applicable delineation standards.

The following details the locations and constituents requiring horizontal delineation, and the results of Peachtree May 2013 horizontal delineation activities.

3.3.1 May 2013 Horizontal Delineation of Total Lead Results

Based on a comparison of aforementioned historic Lead results to the 224 mg/Kg anthropogenic background concentration for the VRP Property, Peachtree determined that horizontal delineation of Lead was incomplete at the following soil sample locations on the eastern and northeastern property boundaries:

- DK-10 - GEPD Lead Result: 1,200 mg/kg
- DK-11 - GEPD Lead Result: 280 mg/kg
- DK-28 - Peachtree Lead Result: 564 mg/kg
- DK-49 - Peachtree Lead Result: 260 mg/kg

In May 2013, Peachtree installed three (3) soil borings (SB-1, SB-9, and SB-10) to delineate previous detections of Lead in shallow soils above 224 mg/kg at DK-10, DK-11, DK-28, and DK-49. The shallow (0 to 2 ft-bgs) and deeper subsurface intervals (4 ft-bgs) were recovered from each soil boring and submitted for analytical testing for Lead via EPA Method 6010. Peachtree's soil sample locations were recorded via a hand-held GPS unit and plotted on a survey of the D-K Property. SB-1 was collected 20 feet northeast of DK-28; SB-9 was collected within the right-of-way 10 feet east of DK-10 and 25 feet east of DK-11; and SB-10 was collected within the right-of-way 20 feet east of DK-49.

Analytical testing results reported shallow surface interval concentrations of Lead, as follows:

- SB-1-(0-2') – Lead Result: 161 mg/kg
- SB-9-(0-2') – Lead Result: 19.4 mg/kg

- SB-10-(0-2') – Lead Result: 7.44 mg/kg

Based on a comparison to the calculated anthropogenic Lead background concentration of 224 mg/kg, horizontal delineation of Lead at DK-10, DK-11, DK-28, and DK-49 is complete. Analytical results for horizontal delineation assessment activities for Lead were summarized on Table 7 and were presented on Figure 9 in the June 2013 VRP Semiannual Report. Copies of the May and June 2013 laboratory analytical data report were included in Appendix C in the June 2013 VRP Semiannual Report.

3.3.2 May 2013 Horizontal Delineation of Select PAH Results

Based on a comparison of aforementioned historic PAH results to the respective Type 1 RRS, Peachtree determined that horizontal delineation of select PAHs was incomplete at the following shallow surface interval (less than 2 ft-bgs) soil sample locations on the eastern and northeastern property boundaries:

- DK-9 - Kemron Benzo(a)pyrene Result: 2.2 mg/kg
- DK-10 - GEPD Benzo(a)anthracene Result: 5.8 mg/kg; Benzo(a)pyrene Result: 11 mg/kg; Benzo(b)fluoranthene Result: 14 mg/kg; Chyrsene Result: 7.9 mg/kg; and Indeno(1,2,3-cd)pyrene Result: 9 mg/kg
- DK-11 – Kemron Benzo(a)pyrene Result: 2.5 mg/kg
- DK-28 - Peachtree Benzo(a)pyrene Result: 4.2 mg/kg

In addition, Peachtree determined that horizontal delineation of Benzo(a)pyrene was incomplete at the following deeper surface interval (greater than 2 ft-bgs) soil sample locations:

- GP-44 (4 ft-bgs) – Kemron Benzo(a)pyrene Result: 4.0 mg/kg
- GP-46 (8 ft-bgs) - Kemron Benzo(a)pyrene Result: 1.8 mg/kg
- GP-47 (4 ft-bgs) – Kemron Benzo(a)pyrene Result: 3.7 mg/kg
- BH-8 (8-10 ft-bgs) – Kemron Benzo(a)pyrene Result: 1.7 mg/kg (Based on discussions with EPD, the 1.7 mg/kg result is considered within range of the Type 1 RRS of 1.64 mg/kg and therefore no horizontal or vertical delineation at BH-8 would be required.)

In May 2013, Peachtree installed nine (9) soil borings (SB-1 through SB-9) to delineate previous detections of select PAHs in shallow (0 to 2 ft-bgs) and deeper (greater than 2 ft-bgs) soils above respective Type 1 RRS. The shallow and deeper

subsurface intervals were recovered from each soil boring and submitted for analytical testing for Lead via EPA Method 6010. Peachtree's soil sample locations were recorded via a hand-held GPS unit and plotted on a survey of the D-K Property. SB-1 was collected 20 feet northeast of DK-28; SB-2 was collected 20 feet south of DK-28; SB-3 was collected 25 feet west of DK-9; SB-4 was collected 25 feet north of DK-9; SB-5 was collected 25 feet east of DK-9; SB-6 was collected within the right-of-way 50 feet south of GP-47; SB-7 was collected within the right-of-way 40 feet south of GP-46; SB-8 was collected within the right-of-way 50 feet south of GP-44; and SB-9 was collected within the right-of-way 10 feet east of DK-10 and 25 feet east of DK-11; and SB-10 was collected within the right-of-way 20 feet east of DK-49.

Analytical testing results reported shallow surface interval concentrations of select PAHs, as follows:

- SB-1-(0 – 2 ft-bgs) – Benzo(a)pyrene Result: <0.41 mg/kg
- SB-2-(0 – 2 ft-bgs) – Benzo(a)pyrene Result: <0.41 mg/kg
- SB-3-(0 – 2 ft-bgs) – Benzo(a)pyrene Result: <0.41 mg/kg
- SB-4-(0 – 2 ft-bgs) – Benzo(a)pyrene Result: <0.52 mg/kg
- SB-5-(0 – 2 ft-bgs) – Benzo(a)pyrene Result: 44 mg/kg
- SB-6-4 ft-bgs – Benzo(a)pyrene Result: <0.39 mg/kg
- SB-7-8 ft-bgs – Benzo(a)pyrene Result: <0.39 mg/kg
- SB-8-4 ft-bgs – Benzo(a)pyrene Result: <0.39 mg/kg
- SB-9-(0 – 2 ft-bgs) – Benzo(a)anthracene Result: <0.38 mg/kg; Benzo(a)pyrene Result: <0.38 mg/kg; Benzo(b)fluoranthene Result: <0.38 mg/kg; Chyrsene Result: <0.38 mg/kg; and Indeno(1,2,3-cd)pyrene Result: <0.38 mg/kg
- SB-9-4' – Benzo(a)pyrene Result: <0.39 mg/kg

Based on a comparison to the respective Type 1 RRS, horizontal delineation of PAHs at DK-10, DK-11, DK-28, GP-44, GP-46, and GP-47 is complete. However, due to the detection of Benzo(a)pyrene at SB-5-(0-2'), horizontal delineation at DK-9 was incomplete.

On June 18, 2013, Peachtree returned to the Property to install soil boring SB-12 and collect soil sample SB-12-(0-2') 25 feet east of SB-5. Analytical results

indicated Benzo(a)pyrene at concentrations below the laboratory method detection limit (MDL), thus horizontal delineation is complete at DK-9. Analytical results for horizontal delineation assessment activities for select PAHs were summarized on Table 8 and presented on Figure 10A (less than 2 ft-bgs) and Figure 10B (greater than 2 ft-bgs) in the June 2013 VRP Semiannual Report. Likewise, shallow (less than 2 ft-bgs) and deep (greater than 2 ft-bgs) isoconcentration maps for Benzo(a)pyrene, Benzo(a)anthrancene, Benzo(b)fluoranthene, Chrysene, and Indeno(1,2,3-cd)pyrene were included as Figures 11A-B, 12A-B, 13A-B, 14A-B, and 15A-B, respectively, in the June 2013 VRP Semiannual Report. Copies of the May and June 2013 laboratory analytical data report were included in Appendix C in the June 2013 VRP Semiannual Report.

3.4 BACKFILL SCREENING RESULTS

Peachtree mobilized to the Property on October 30, 2013 to collect soil samples in backfill locations across the Property. A total of ten (10) soil samples were collected from ten (10) soil borings and field screened for Lead using an XRF handheld unit. The XRF results were averaged for utilization in the kriging model. Soil sample identifications, depths, and results are included below:

- DK-AREA G – 1.5 ft-bgs – XRF Lead Result: 36 mg/kg
- DK-AREA H – 1.5 ft-bgs – XRF Lead Result: 46 mg/kg
- DK-AREA M – 4 ft-bgs – XRF Lead Result: 37 mg/kg
- DK-AREA A1 – 3 ft-bgs – XRF Lead Result: 34 mg/kg
- DK-AREA A2 – 3 ft-bgs – XRF Lead Result: 43 mg/kg
- DK-AREA A3 – 3 ft-bgs – XRF Lead Result: 28 mg/kg
- DK-AREA K – 4 ft-bgs – XRF Lead Result: 45 mg/kg
- DK-AREA J – 4 ft-bgs – XRF Lead Result: 20 mg/kg
- DK-AREA E – 1 ft-bgs – XRF Lead Result: 34 mg/kg
- DK-AREA F – 1 ft-bgs – XRF Lead Result: 34 mg/kg

Based on the average of the ten (10) backfill locations field screened, the average Lead concentration was calculated to be 36 mg/kg. This concentration was utilized as the input for the average backfill concentration at the VRP Property. XRF soil sample locations are illustrated on **Figure 5**. The results of the kriging model re-analysis are provided in Section 3.7.

3.5 ON-PROPERTY SOIL VERTICAL DELINEATION

Horizontal and vertical delineation activities on the VRP Property were initiated in November 2011. A total of thirty-five (35) soil borings were advanced in order to delineate concentrations of select metals and PAHs in surface soils. The November 2011 sample locations were selected based upon analytical data gaps from soil borings conducted by Kemron in 2005 and data collected by the Georgia EPD and Kemron in 2007. In May, June, and November 2013, Peachtree collected additional soil samples to complete horizontal and vertical delineation of COCs. The following sections discuss the results of these investigations.

3.5.1 November 2011 - 2013 Vertical Delineation of Select Metals Results

Based on Peachtree's November 2011 analytical results, the following 14 surficial soil samples (0.5 ft-bgs) were above the anthropogenic Lead background concentration of 224 mg/kg and/or exceeded the Type 1 RRS for Arsenic and Chromium, and required vertical delineation:

- DK-16 – Lead Result: 364 mg/kg
- DK-19 – Lead Result: 514 mg/kg; Arsenic Result: 25.2 mg/kg
- DK-21 – Lead Result: 479 mg/kg
- DK-23 – Lead Result: 243 mg/kg
- DK-24 – Lead Result: 28,600 mg/kg
- DK-25 – Lead Result: 3,710 mg/kg
- DK-27 – Lead Result: 1,430 mg/kg
- DK-28 – Lead Result: 564 mg/kg
- DK-29 – Lead Result: 292 mg/kg
- DK-35 – Lead Result: 292 mg/kg
- DK-43 – Lead Result: 1,420 mg/kg; Chromium Result: 125 mg/kg
- DK-46 – Lead Result: 240 mg/kg
- DK-47 – Lead Result: 551 mg/kg
- DK-49 – Lead Result: 260 mg/kg

The deeper soil samples were analyzed in November 2011 following the evaluation of surficial soil samples. In addition, soil samples DK-19A, DK-21A, and DK-43A were collected in November 2013 for the purpose of vertically delineating Arsenic, Lead, and Chromium impacts, respectively, at DK-19, DK-21, and DK-43. The results of the completed vertical delineation samples and associated depths are provided below:

- DK-16 (0.5 – 2 ft-bgs) – Lead Result: 18.3 mg/kg
- DK-19 (0.5 – 2 ft-bgs) – Lead Result: 514 mg/kg
- DK-19A (4 ft-bgs) – Arsenic Result: <5.77 mg/kg
- DK-21A (4 ft-bgs) – Lead Result: 69.7 mg/kg
- DK-23 (0.5 – 2 ft-bgs) – Lead Result: 19.9 mg/kg
- DK-24 (0.5 – 2 ft-bgs) – Lead Result: 72.8 mg/kg
- DK-25 (0.5 – 2 ft-bgs) – Lead Result: 38.3 mg/kg
- DK-27 (0.5 – 2 ft-bgs) – Lead Result: 43.9 mg/kg
- DK-28 (4 – 5 ft-bgs) – Lead Result: 156 mg/kg
- DK-29 (0.5 – 2 ft-bgs) – Lead Result: 109 mg/kg
- DK-35 (4 – 5 ft-bgs) – Lead Result: 38.6 mg/kg
- DK-43 (4 – 5 ft-bgs) – Lead Result: 214 mg/kg
- DK-43A (4 ft-bgs) Chromium Result: 68.7 mg/kg
- DK-46 (0.5 – 2 ft-bgs) – Lead Result: 13.7 mg/kg
- DK-47 (0.5 – 2 ft-bgs) – Lead Result: 19.3 mg/kg
- DK-49 (0.5 – 2 ft-bgs) – Lead Result: 14.5 mg/kg

Based on the analytical results of Peachtree's investigations, the vertical delineation of metals on the Property is complete. It should be noted that analytical results from the 0.5 – 2 ft-bgs depth interval in soil samples DK-28, DK-35, and DK-43 exceeded 224 mg/kg and thus vertical delineation was completed at the 4 – 5 ft-bgs depth interval. Likewise, deeper soil samples DK-27 (9 – 10 ft-bgs) and DK-29 (4 – 5 ft-bgs) were collected to determine if any deeper soils potentially to remain

on the Property were impacted with Lead above 224 mg/kg. Based on these results, Lead was detected at concentrations of 337 mg/kg and 1,780 mg/kg in samples DK-27 (9 – 10 ft-bgs) and DK-29 (4 – 5'), respectively. The next depth interval at each of these sample locations (DK-27 (14 – 15 ft-bgs) and DK-29 (9 – 10 mg/kg)) indicated Lead concentrations of 90.0 mg/kg and 186 mg/kg, respectively. The results of the horizontal and vertical delineation of metals in on-site soils are presented on **Figures 6A** and **6B**, respectively.

Peachtree did not attempt to vertically delineate previous soil samples collected by Georgia EPD and Kemron (BH-9, BH-10, GP-1, GP-3, GP-4, GP-18, GP-22, GP-29, GP-36, GP-62, GP-63, and GP-87) as the exact location / coordinates of the soil samples were not known.

3.5.2 November 2011 and May 2013 Vertical Delineation of PAHs Results

Based on Peachtree's November 2011 and May 2013 analytical results, the following surficial soil samples were above Type 1 RRS concentration of 1.64 mg/kg for Benzo(a)pyrene and required vertical delineation:

- DK-28 – Benzo(a)pyrene Result: 4.20 mg/kg
- SB-5 – Benzo(a)pyrene Result: 44 mg/kg

The deeper soil sample (8 – 10 ft-bgs) from DK-28 was analyzed in November 2011 following the evaluation of the surficial soil sample result. In addition, a deeper soil sample (4 ft-bgs) from SB-5 was analyzed in May 2013 following the evaluation of the surficial soil sample result. The results of the completed vertical delineation samples and associated depths are provided below:

- DK-28 (8 – 10 ft-bgs) – Benzo(a)pyrene Result: <1.6 mg/kg
- SB-5 (4 ft-bgs) – Benzo(a)pyrene Result: <0.39 mg/kg

Based on the results of Peachtree's investigations, the vertical delineation of Benzo(a)pyrene on the Property is complete. The analytical results for the vertical and horizontal delineation of PAHs (Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluroanthene, Chrysene, and Indeno(1,2,3-cd)pyrene) in on-site soils are presented on **Figures 7A-B**, **8A-B**, **9A-B**, **10A-B**, and **11A-B**, respectively. Peachtree did not attempt to vertically delineate previous soil samples collected by Georgia EPD and Kemron (DK-10, DK-11, GP-44, GP-46, and GP-47), as the exact location / coordinates of the soil samples were not known.

3.6 EXPOSURE PATHWAY EVALUATION

Characteristics of exposure pathways remained relatively consistent with what was described in the May 2011 VRP Application and subsequent Semi-Annual Progress Reports.

Soil Lead concentrations detected on the Property in November 2011 exceeded the calculated anthropogenic Lead background concentration of 224 mg/kg in fourteen (14) of the 35 soil samples collected at the 0 to 0.5 foot soil interval. In addition, soil PAHs concentrations detected on the Property in November 2011 exceeded the Type 1 RRS of 1.64 mg/kg in one (1) of the four (4) soil samples collected at the 0 to 0.5 foot soil interval and submitted for PAHs analysis.

Based on the April 2011 background study comparison and results of the May and June 2013 horizontal delineation soil sampling, the COC detections have been delineated on the Property to the anthropogenic Lead background concentration of 224 mg/kg and Benzo(a)pyrene Type 1 RRS of 1.64 mg/kg. Though Lead and Benzo(a)pyrene concentrations were detected above the applicable delineation criteria (background and Type 1 RRS, respectively) at previous sample locations at the northeastern property line (DK-1, DK-2, and DK-27), impacts along this property line are the result of historic landfilling activities, rather than a release or migration of hazardous substances from Davidson-Kennedy's property. As such, Davidson-Kennedy is not responsible for delineating these impacts to fill on the neighboring property.

Soil Lead concentrations detected off-site in May 2012 did not exceed the calculated anthropogenic Lead background concentration of 224 mg/kg in samples collected at the 0 to 0.5 foot and 3 foot soil intervals.

For the purposes of defining the risk associated with concentrations of Lead in the surface interval, the soil zone associated with human health risk is the 0 to 2 foot soil interval. Deeper intervals (i.e., >2 feet and extending to the groundwater interface) are considered for protection of groundwater, rather than human health risk. Based on the November 2011 and November 2013 analytical results, vertical delineation of PAHs, Lead, and other metals has been completed at the Property.

As previously noted, Peachtree did not attempt to vertically delineate previous soil samples collected by Georgia EPD and Kemron, as the exact location / coordinates of the soil sample were not known. It is anticipated that D-K will perform a limited excavation at soil sample locations DK-10, DK-11, GP-44, GP-46, GP-47, DK-28, and SB-5 where PAHs were observed to exceed their respective Type 1 RRS. Likewise, D-K intends to develop an environmental covenant to set forth guidelines to address future disturbance or handling of impacted soils remaining on-site.

3.7 KRIGING MODEL RE-ANALYSIS

In November 2013, NewFields performed a re-analysis of the Kriging model using the backfill average data collected in October 2013. Based on the preliminary re-analysis, approximately 1,180 mg/kg of Lead impacted soils will require removal to bring the domain area average into compliance with the HSRA Type 3 RRS for Lead of 400 mg/kg. A discussion of the preliminary Kriging model re-analysis results (and any future model modifications upon Georgia EPD's concurrence), proposed corrective action activities and associated cost estimates, and an updated CSM depicting proposed soil excavation areas will be provided in a VRP Corrective Action Plan, to be submitted under a separate cover.

3.8 PRELIMINARY RISK EVALUATION

Peachtree is in the process of conducting a Preliminary Risk Evaluation (PRE) / Screening Level Ecological Risk Assessment (SLERA). A copy of the completed PRE/SLERA will be submitted to Georgia EPD under a separate cover.

4.0 PRELIMINARY REMEDIATION PLAN

Between August 2005 and August 2007, Davidson-Kennedy voluntarily implemented assessment and corrective measures at the Property designed to remove highly impacted soils from the Property. Over 28,000 tons of soils impacted with Lead, VOCs, and SVOCs were removed from the Property and disposed of in an off-property permitted Subtitle D landfill. Post-excavation confirmatory testing consisted of the collection and analysis of over 1,000 soil samples to verify meeting HSRA NCs in the areas where excavation activities were conducted.

The Georgia EPD performed a follow-up Property visit in August 2007 to collect a total of eleven (11) shallow (0" to 6") soil samples (DK-1, DK-2, DK-6 to DK-14, three (3) sediment samples (DK-3 to DK-5), and three surface water samples (DK-3 to DK-5). Concentrations of various metals and SVOCs were reported above the HSRA Type 1 and 3 RRS.

Peachtree supplemented the existing assessment data via installation of thirty five (35) soil borings for the purposes of delineating surface impacts from the aforementioned previous investigative activities. The findings of the Peachtree investigation were consistent with prior findings whereby Lead was the most prevalent regulated constituent detected. Based on Peachtree's soil delineation sampling results, onsite soils have been horizontally and vertically delineated to applicable standards for Metals and select PAHs.

On the eastern, adjacent residential property located at 1705 Lanier Drive, four (4) additional off-site soil borings were installed and shallow and deep soil interval data were collected in May of 2012. Detections of Lead off-property from May 2012 samples are consistent with anthropogenic background concentrations of Lead in surface interval samples. Deeper interval samples did not show elevated Lead impacts.

Analytical data from samples collected by Kemron, EPD, and Peachtree were utilized to conduct a geospatial statistical analysis of the Property data such that an EPC could be calculated. The EPC is derived from the 95% Upper Confidence Limit of the mean of the contaminant concentrations, which in this case, Lead was utilized as it is the most prevalent regulated constituent driving corrective measures.

For the Davidson-Kennedy VIRP Property, a geostatistical technique called Kriging was employed to estimate the EPC. The estimate is based upon a 2 acre exposure domain for the Property. Based upon the initial Kriging analysis, approximately 1,100 cubic yards of impacted soils will require removal to bring the domain area average into compliance with the HSRA Type 3 RRS for Lead of 400 mg/kg.

In November 2013, the Kriging model was re-run utilizing the average backfill concentration of 36 mg/kg as calculated following Peachtree's XRF field screening

activities. Based upon the November 2013 Kriging analysis, an additional 80 cubic yards, for a total of approximately 1,180 cubic yards, of impacted soils will require removal to bring the domain area average into compliance with the HSRA Type 3 RRS for Lead of 400 mg/kg. The proposed corrective action at the Property will involve excavation and off-site disposal of impacted soils above the approved soil cleanup level. Soils impacted with PAHs above the Type 1 RRS will be excavated at locations DK-10, DK-11, GP-44, GP-46, GP-47, DK-28, and SB-5. A VRP Corrective Action Plan, updated CSM, and associated cost estimates will be prepared and submitted upon EPD's concurrence with the Kriging model re-analysis.

The CSM will be updated in accordance with the schedule provided as part of the VRP Application and in accordance with the progress report milestone schedules presented in the Georgia EPD VRP Application approval letter dated June 30, 2011. The next CSM semi-annual progress report update is due June 30, 2014.

In addition, a Uniform Environmental Covenant (UEC) will be included with the VRP Corrective Action Plan. The UEC will address a number of items, possibly including, but not necessarily limited to, the following:

- Potential construction and utility worker soil exposure to remaining levels above the 400 mg/Kg average when working at depths greater than two feet below ground surface
- Drinking water restriction
- Erosion prevention
- Vapor intrusion risk assessment if structures are built over any remaining plume
- Preservation of exposure domains used for the geostatistical evaluation

TABLES

THE DAVIDSON-KENNEDY COMPANY PROPERTY
ATLANTA, FULTON COUNTY, GEORGIA
HSI #10866

TABLE 1
SOIL ANALYTICAL RESULTS FOR SURFICIAL SOIL SAMPLE LOCATIONS REMAINING ON-SITE
TOTAL LEAD

Sample Designation	Sample Date	Depth (ft.)	Lead
			Analytical Results (mg/kg)
TMW-1A	7/25/2005	0.5	39
TMW-10	8/23/2005	0.5	28.4
HA-3A	7/26/2005	0.5	202
HA-4A	7/27/2005	0.5	180
HA-5A	7/26/2005	0.5	50.8
HA-6A	7/27/2005	0.5	106
HA-14A	7/27/2005	0.5	161
HA-15A	7/27/2005	0-5	50.4
BH-2	8/24/2005	0-5	219
BH-4	8/23/2005	0-5	163
BH-5	8/24/2005	0.5	18.5
BH-6	8/24/2005	0-5	50.3
BH-7	8/24/2005	0.5	87.3
BH-8	8/24/2005	0-5	151
BH-9	8/24/2005	0.5	**303**
BH-10	8/24/2005	0-5	**350**
GP-1	8/24/2005	0.5	**307**
GP-3	8/24/2005	0.5	**342**
GP-4	8/24/2005	0.5	**278**
GP-8	8/24/2005	0.5	74.9
GP-9	8/25/2005	0.5	126
GP-17	8/25/2005	0.5	140
GP-18	8/25/2005	0.5	**325**
GP-20	8/25/2005	0.5	166
GP-22	8/25/2005	0.5	**305**
GP-27	8/25/2005	0.5	19.4
GP-29	8/25/2005	0.5	**254**
GP-30A	8/25/2005	0-5	70.7
GP-36	8/25/2005	0.5	**309**
GP-42B	8/25/2005	0.5	100
GP-56A	8/25/2005	0.5	222
GP-60	8/25/2005	0.5	208
GP-61A	8/25/2005	0.5	189
GP-62	8/25/2005	0.5	**356**
GP-63	8/25/2005	0.5	**292**
GP-69	8/25/2005	0.5	187
GP-70	8/25/2005	0.5	84.3
GP-72A	8/25/2005	0.5	20.6
GP-73A	8/25/2005	0.5	36
GP-76	8/26/2005	0.5	189
GP-77	8/26/2005	0.5	102
GP-82A	8/26/2005	0.5	129
GP-83	8/26/2005	0.5	<4.63
GP-87	8/26/2005	0.5	**360**
DK-1	8/27/2007	0.5	**1,200**
DK-2	8/27/2007	0.5	**750**
DK-6	8/27/2007	0.5	**468**
DK-7	8/27/2007	0.5	**260**
DK-8	8/27/2007	0.5	**420**
DK-9	8/27/2007	0.5	**1,300**
DK-10	8/27/2007	0.5	**1,200**
DK-11	8/27/2007	0.5	**280**
DK-12	8/27/2007	0.5	**1,900**
DK-13	8/27/2007	0.5	**1,500**
DK-14	8/27/2007	0.5	**420**
DK-15	11/22/2011	0.5	124
DK-16	11/22/2011	0.5	**364**
DK-17	11/22/2011	0.5	166
DK-18	11/22/2011	0.5	16.2
DK-19	11/22/2011	0.5	**514**
DK-20	11/22/2011	0.5	48.5
DK-21	11/22/2011	0.5	**479**
DK-22	11/22/2011	0.5	17.7
DK-23	11/22/2011	0.5	**243**
DK-24	11/22/2011	0.5	**28,600**
DK-25	11/22/2011	0.5	**3,170**
DK-26	11/21/2011	0.5	32.8
DK-27	11/21/2011	0.5	**1,430**
DK-28	11/21/2011	0.5	**564**
DK-29	11/21/2011	0.5	**292**
DK-30	11/21/2011	0.5	29.1
DK-31	11/21/2011	0.5	26.1
DK-32	11/21/2011	0.5	35.8
DK-33	11/21/2011	0.5	207
DK-34	11/21/2011	0.5	130
DK-35	11/21/2011	0.5	**292**
DK-36	11/21/2011	0.5	98.0
DK-37	11/21/2011	0.5	95.9
DK-38	11/21/2011	0.5	126
DK-39	11/21/2011	0.5	130
DK-40	11/21/2011	0.5	214
DK-41	11/21/2011	0.5	163
DK-42	11/21/2011	0.5	41.2
DK-43	11/22/2011	0.5	**1,420**
DK-44	11/22/2011	0.5	68.8
DK-45	11/22/2011	0.5	78.7
DK-46	11/22/2011	0.5	**240**
DK-47	11/22/2011	0.5	**551**
DK-48	11/22/2011	0.5	80.9
DK-49	11/22/2011	0.5	**260**
SB-1	5/23/2013	0 - 2	161
SB-9	5/23/2013	0 - 2	19.4
SB-10	5/23/2013	0 - 2	7.44
SB-11	6/18/2013	0 - 2	20.3
Arithmetic Mean			619.4
Standard Deviation			2939.3

NOTES:

Soil samples summarized above represent 2005, 2007, and 2011 samples remaining outside of excavation areas.

Highest Lead concentration of 2007 EPD/Kemron split sampling utilized in table.

Concentrations in **BOLD** exceed the calculated anthropogenic background concentration of 224 mg/kg.

THE DAVIDSON-KENNEDY COMPANY PROPERTY
ATLANTA, FULTON COUNTY, GEORGIA
HSI #10866

TABLE 2
SOIL DELINEATION DATA SUMMARY
METALS CONSTITUENTS

Sample Designation	Sample Date	Depth (ft.)	Delineation Criteria					
			Lead	Arsenic	Barium	Cadmium	Chromium	Mercury
			224	20	1,000	2	100	0.5
			Analytical Results (mg/kg)					
DK-15	11/22/2011	0.5'	124	-	-	-	-	-
DK-16	11/22/2011	0.5'	**364**	-	-	-	-	-
	11/22/2011	0.5 - 2'	18.3	-	-	-	-	-
	11/22/2011	4 - 5'	20.6	-	-	-	-	-
DK-17	11/22/2011	0.5'	166	7.64	-	<2.03	26.6	-
DK-18	11/22/2011	0.5'	16.2	<6.13	-	<2.45	65.2	-
DK-19	11/22/2011	0.5'	**514**	**25.2**	-	<2.24	61.5	-
	11/22/2011	0.5 - 2'	22.3	-	-	-	-	-
	11/22/2011	4 - 5'	20.0	-	-	-	-	-
DK-19A	11/8/2013	4'	-	<5.77	-	-	-	-
DK-20	11/22/2011	0.5'	48.5	<6.05	-	<2.42	26.8	-
DK-21	11/22/2011	0.5'	**479**	-	-	-	-	-
DK-21A	11/8/2013	4'	69.7	-	-	-	-	-
DK-22	11/22/2011	0.5'	17.7	-	-	-	-	-
DK-23	11/22/2011	0.5'	**243**	-	-	-	-	-
	11/22/2011	0.5 - 2'	19.9	-	-	-	-	-
	11/22/2011	4 - 5'	20.4	-	-	-	-	-
DK-24	11/22/2011	0.5'	**28,600**	-	-	-	-	-
	11/22/2011	0.5 - 2'	72.8	-	-	-	-	-
	11/22/2011	4 - 5'	91.8	-	-	-	-	-
DK-25	11/22/2011	0.5'	**3,170**	-	-	-	-	-
	11/22/2011	0.5 - 2'	38.3	-	-	-	-	-
	11/22/2011	4 - 5'	29.8	-	-	-	-	-
DK-26	11/21/2011	0.5'	32.8	-	-	-	-	-
DK-27	11/21/2011	0.5'	**1,430**	-	-	-	-	0.427
	11/22/2011	0.5 - 2'	43.9	-	-	-	-	-
	11/22/2011	4 - 5'	48.0	-	-	-	-	-
	11/22/2011	9 - 10'	**337**	-	-	-	-	-
	11/22/2011	14 - 15'	90.0	-	-	-	-	-
DK-28	11/21/2011	0.5'	**564**	-	-	-	-	-
	11/22/2011	0.5 - 2'	**707**	-	-	-	-	-
	11/22/2011	4 - 5'	156	-	-	-	-	-
	11/22/2011	9 - 10'	46.7	-	-	-	-	-
DK-29	11/21/2011	0.5'	**292**	-	-	-	-	-
	11/22/2011	0.5 - 2'	109	-	-	-	-	-
	11/22/2011	4 - 5'	**1,780**	-	-	-	-	-
	11/22/2011	9 - 10'	186	-	-	-	-	-
	11/22/2011	14 - 15'	221	-	-	-	-	-
	11/22/2011	19 - 20'	18.9	-	-	-	-	-
DK-30	11/21/2011	0.5'	29.1	-	-	-	-	-
DK-31	11/21/2011	0.5'	26.1	-	-	-	-	-
DK-32	11/21/2011	0.5'	35.8	-	-	-	-	-
DK-33	11/21/2011	0.5'	207	-	-	-	-	-
DK-34	11/21/2011	0.5'	130	-	-	<2.22	-	-
DK-35	11/21/2011	0.5'	**292**	-	-	<2.08	-	-
	11/22/2011	0.5 - 2'	**264**	-	-	-	-	-
	11/22/2011	4 - 5'	38.6	-	-	-	-	-

THE DAVIDSON-KENNEDY COMPANY PROPERTY
ATLANTA, FULTON COUNTY, GEORGIA
HSI #10866

TABLE 2
SOIL DELINEATION DATA SUMMARY
METALS CONSTITUENTS

Sample Designation	Sample Date	Depth (ft.)	Delineation Criteria					
			Lead	Arsenic	Barium	Cadmium	Chromium	Mercury
			224	20	1,000	2	100	0.5
			Analytical Results (mg/kg)					
DK-36	11/21/2011	0.5'	98	-	-	<2.04	-	-
DK-37	11/21/2011	0.5'	95.9	-	-	-	-	-
DK-38	11/21/2011	0.5'	126	-	-	<2.09	-	<0.111
DK-39	11/21/2011	0.5'	130	-	-	<2.14	-	<0.114
DK-40	11/21/2011	0.5'	214	-	125	<2.17	33	-
DK-41	11/21/2011	0.5'	163	-	-	<2.24	29.3	-
DK-42	11/21/2011	0.5'	41.2	-	-	<2.01	15.3	-
DK-43	11/22/2011	0.5'	**1,420**	-	-	<2.23	**125**	-
	11/22/2011	0.5 - 2'	**1,900**	-	-	-	-	-
	11/22/2011	4 - 5'	214	-	-	-	-	-
	11/22/2011	9 - 10'	14.1	-	-	-	-	-
DK-43A	11/8/2013	4'	-	-	-	-	68.7	-
DK-44	11/22/2011	0.5'	68.8	-	81.2	-	-	-
DK-45	11/22/2011	0.5'	78.7	-	-	-	-	-
DK-46	11/22/2011	0.5'	**240**	-	-	-	-	-
	11/22/2011	0.5 - 2'	13.7	-	-	-	-	-
	11/22/2011	4 - 5'	19.9	-	-	-	-	-
DK-47	11/22/2011	0.5'	**551**	-	-	-	-	-
	11/22/2011	0.5 - 2'	19.3	-	-	-	-	-
	11/22/2011	4 - 5'	29.4	-	-	-	-	-
DK-48	11/22/2011	0.5'	80.9	-	-	-	-	-
DK-49	11/22/2011	0.5'	**260**	-	-	-	-	-
	11/22/2011	0.5 - 2'	14.5	-	-	-	-	-
	11/22/2011	9 - 10'	10.3	-	-	-	-	-

NOTES:

Soil sample impacted with Lead above applicable delineation criteria at depths greater than 2 ft-bgs.
Soil sample required vertical delineation for COC.
Soil sample concentration and depth where vertical delineation for COC has been completed.

Bold values exceed applicable delineation criteria.

- Indicates that constituent not analyzed In sample from boring location.

Soil samples from DK-19A, DK-21A, and DK-43A were collected to vertically delineate Arsenic, Lead, and Chromium impacts, respectively, at the November 2011 soil samples collected from DK-19, DK-21, and DK-43.

THE DAVIDSON-KENNEDY COMPANY PROPERTY
ATLANTA, FULTON COUNTY, GEORGIA
HSI #10866

TABLE 3
SOIL DELINEATION DATA SUMMARY
POLYNUCLEAR AROMATIC HYDROCARBONS

Sample Designation	Sample Date	Depth (ft.)	Delineation Criteria				
			Benzo(a)pyrene	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Indeno(1,2,3-cd)perylene
			1.64	**5**	**5**	**5**	**5**
			Analytical Results (mg/kg)				
DK-27	11/21/2011	0.5	0.59	-	-	-	-
DK-28	11/21/2011	0.5	**4.20**	-	-	-	-
	11/21/2011	8 - 10	<1.6	-	-	-	-
DK-38	11/21/2011	0.5	<0.37	<0.37	<0.37	<0.37	<0.37
DK-39	11/21/2011	0.5	<0.39	<0.39	<0.39	<0.39	<0.39
SB-1	5/23/2013	0 - 2	<0.41	-	-	-	-
SB-2	5/23/2013	0 - 2	1.20	-	-	-	-
SB-3	5/23/2013	0 - 2	<0.41	-	-	-	-
SB-4	5/23/2013	0 - 2	<0.52	-	-	-	-
SB-5	5/23/2013	0 - 2	**44**	-	-	-	-
	5/23/2013	4	<0.39	-	-	-	-
SB-6	5/23/2013	4	<0.39	-	-	-	-
SB-7	5/23/2013	8	<0.39	-	-	-	-
SB-8	5/23/2013	4	<0.39	-	-	-	-
SB-9	5/23/2013	0 - 2	<0.38	<0.38	<0.38	<0.38	<0.38
SB-9	5/23/2013	4	<0.39	-	-	-	-
SB-12	6/18/2013	0 - 2	<0.41	-	-	-	-

NOTES:

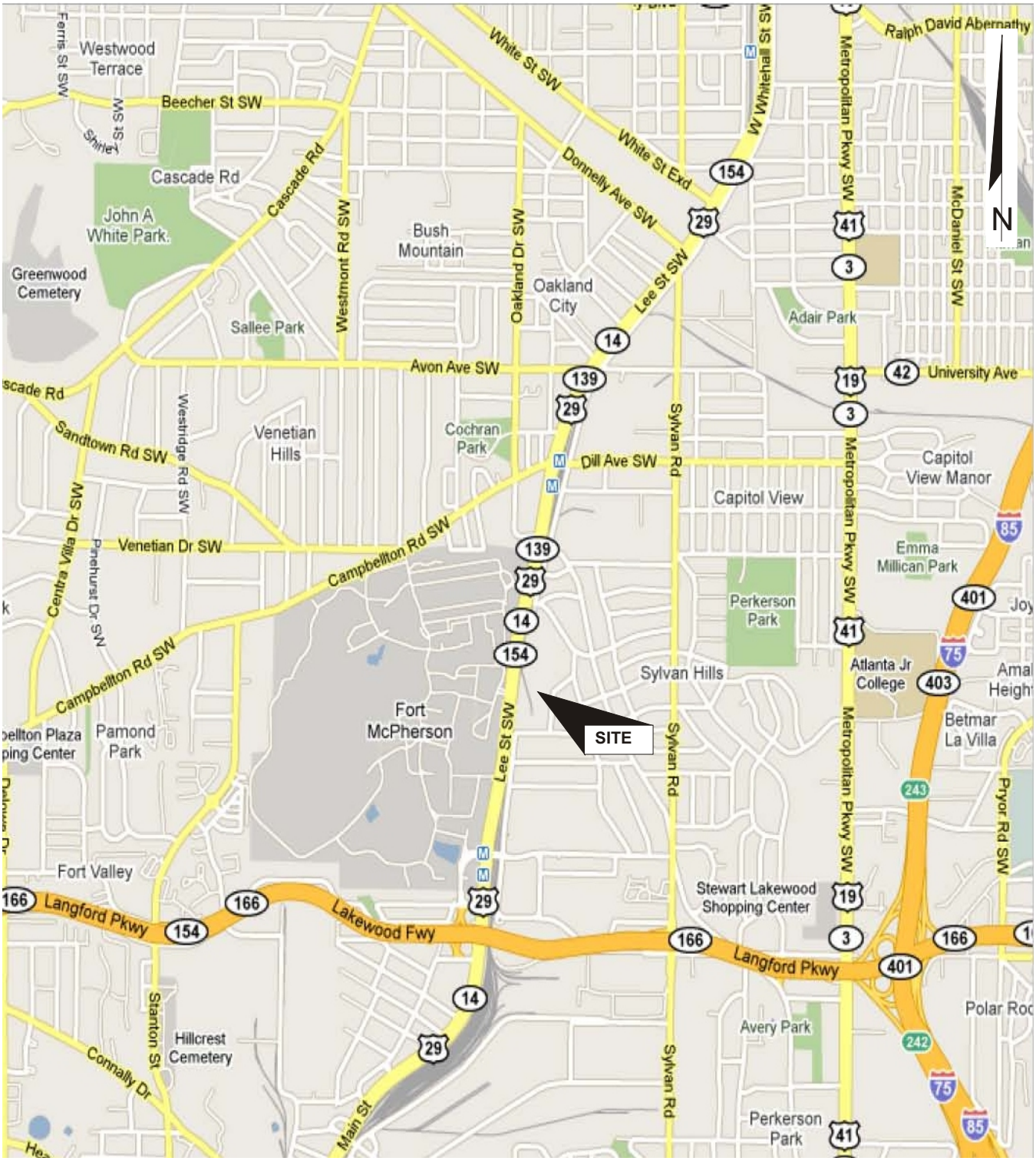
Bold values exceed applicable delineation criteria.

THE DAVIDSON-KENNEDY COMPANY PROPERTY
ATLANTA, FULTON COUNTY, GEORGIA
HSI #10866

TABLE 4
OCTOBER 2013 XRF BACKFILL LEAD RESULTS AND COORDINATES

Sample Desingation	*Date*	Depth (feet)	XRF LEAD RESULT (ppm)	Latitude	Longtitude
DK-AREA G	10/30/2013	1.5	36	33.707028	-84.426667
DK-AREA H	10/30/2013	1.5	46	33.707125	-84.426698
DK AREA M	10/30/2013	4	37	33.707024	-84.425732
DK-AREA A3	10/30/2013	3	28	33.707881	-84.426419
DK-AREA A1	10/30/2013	3	34	33.708057	-84.42698
DK-AREA A2	10/30/2013	3	43	33.708053	-84.426573
DK-AREA K	10/30/2013	4	45	33.708944	-84.426842
DK-AREA J	10/30/2013	4	20	33.708768	-84.426937
DK-AREA E	10/30/2013	1	34	33.707206	-84.427306
DK-AREA F	10/30/2013	1	34	33.706971	-84.427333
AVERAGE XRF LEAD RESULT IN BACKFILLED AREAS					36

FIGURES



SCALE: 1" = 2,000 FT

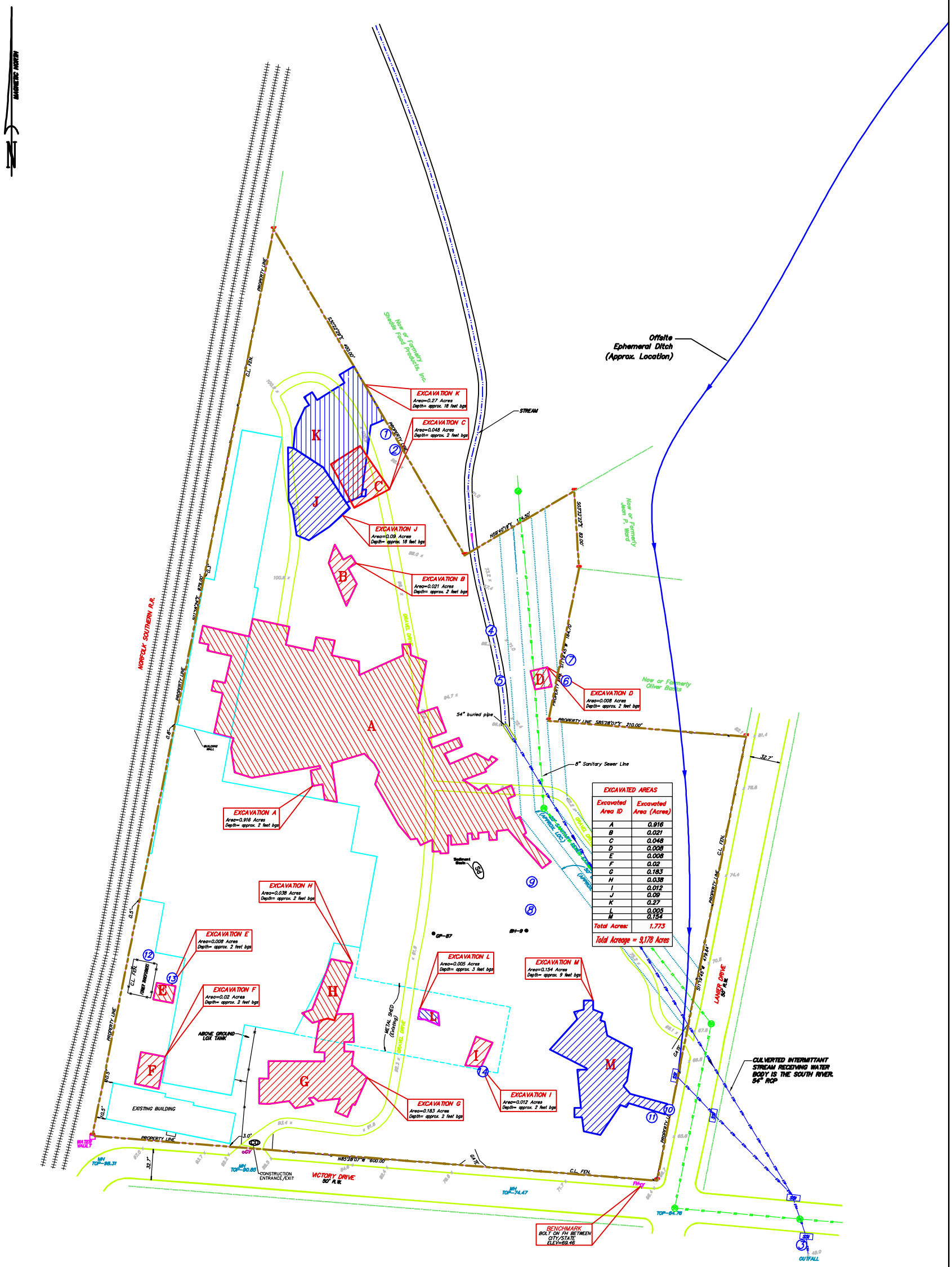
DAVIDSON-KENNEDY COMPANY
ATLANTA, FULTON COUNTY, GEORGIA
HSI#10866

FIGURE 1
PROPERTY LOCATION MAP

FIFTH SEMIANNUAL PROGRESS REPORT

Peachtree Environmental

QUADRANGLE LOCATION



DAVIDSON-KENNEDY COMPANY

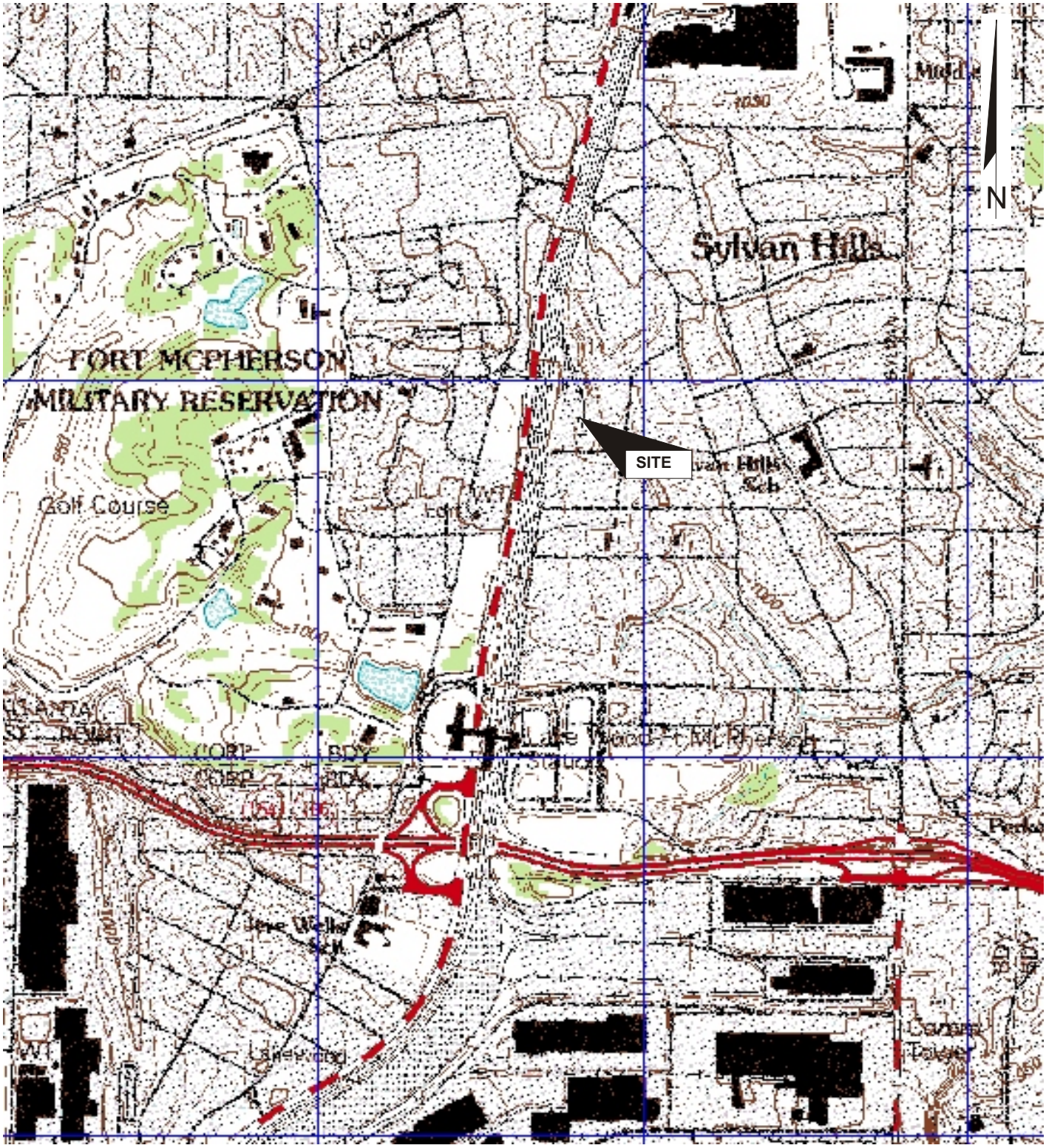
BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA
1"=50'

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO.	DAVIDSON-KENNEDY COMPANY 1195 VICTORY DRIVE ATLANTA, GEORGIA	Peachtree Environmental
2	PROPERTY LAYOUT MAP	
DAVIDSON-KENNEDY 3185		

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM



SCALE: 1" = 2,000 FT

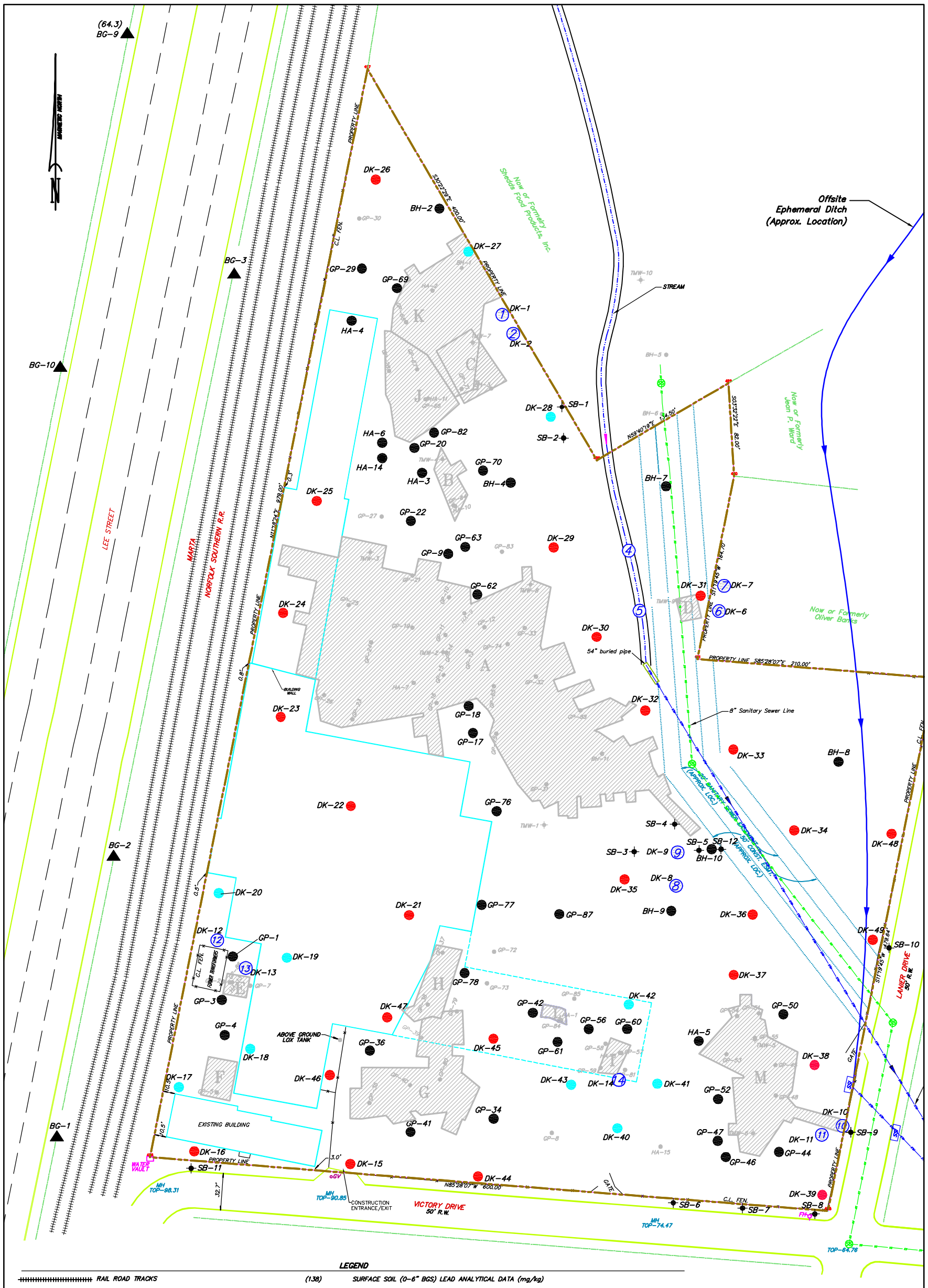
Peachtree Environmental

DAVIDSON-KENNEDY COMPANY
ATLANTA, FULTON COUNTY, GEORGIA
HSI#10866

FIGURE 3
USGS TOPOGRAPHIC MAP

FIFTH SEMIANNUAL PROGRESS REPORT

QUADRANGLE LOCATION



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- (138) SURFACE SOIL (0-6" BGS) LEAD ANALYTICAL DATA (mg/kg)
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
- PEACHTREE FEBRUARY 2011 RIGHT-OF-WAY DELINEATION SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

GRAPHIC SCALE
0 50 100
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **4**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY SITE
1195 VICTORY DRIVE
ATLANTA, GEORGIA

CURRENT AND HISTORIC SOIL SAMPLE LOCATION MAP

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13
DWN BY KEMRON DES BY JPC CHK BY TAL APP BY JPM

Legend

- XRF Soil Sample Location
- Excavation Areas
- Property Boundary

N

0 100 200 400

Feet

1 inch = 150 feet

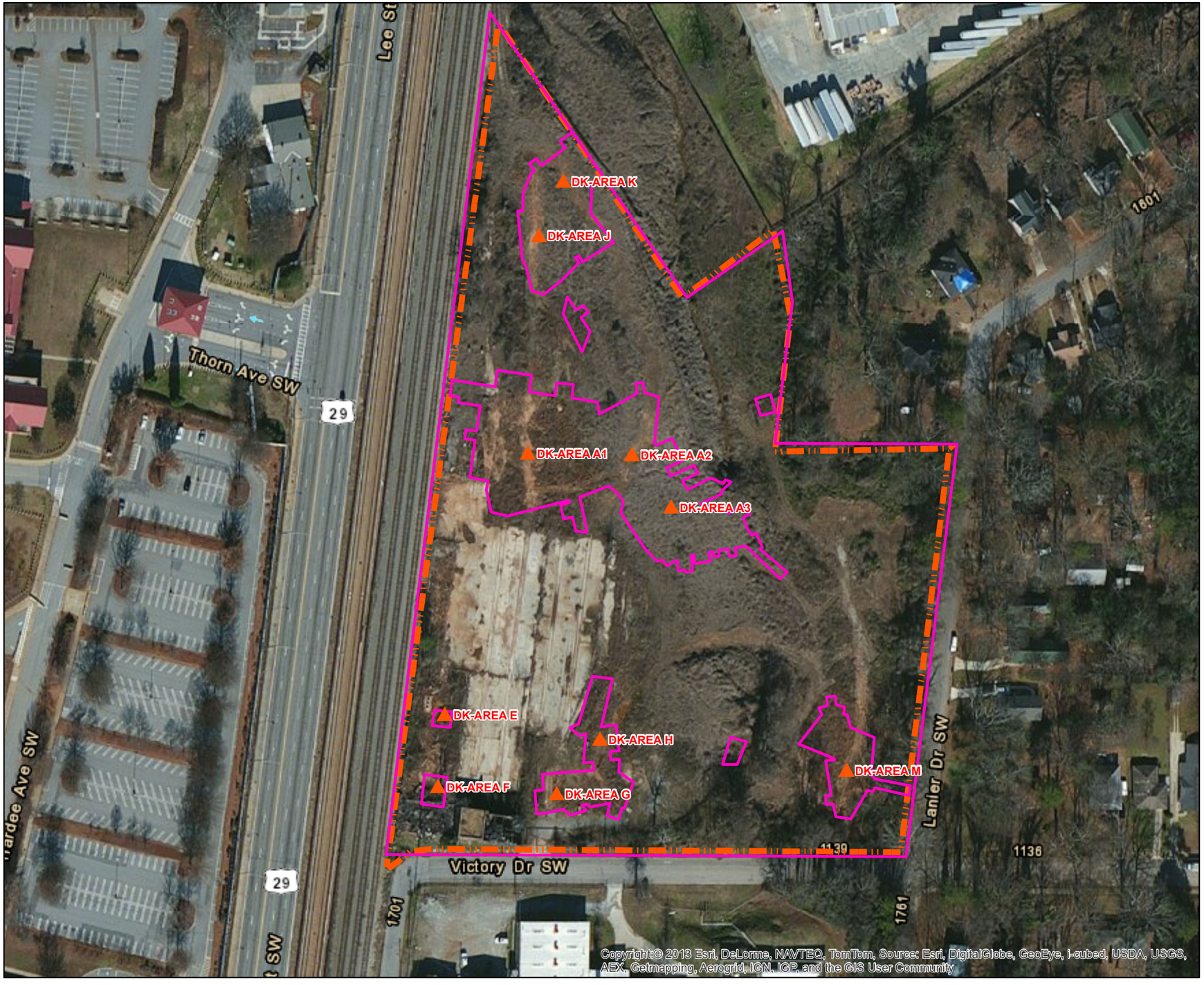


FIGURE 5
Backfill XRF Soil Sample Locations and Results Map
Davidson-Kennedy
Atlanta, Georgia

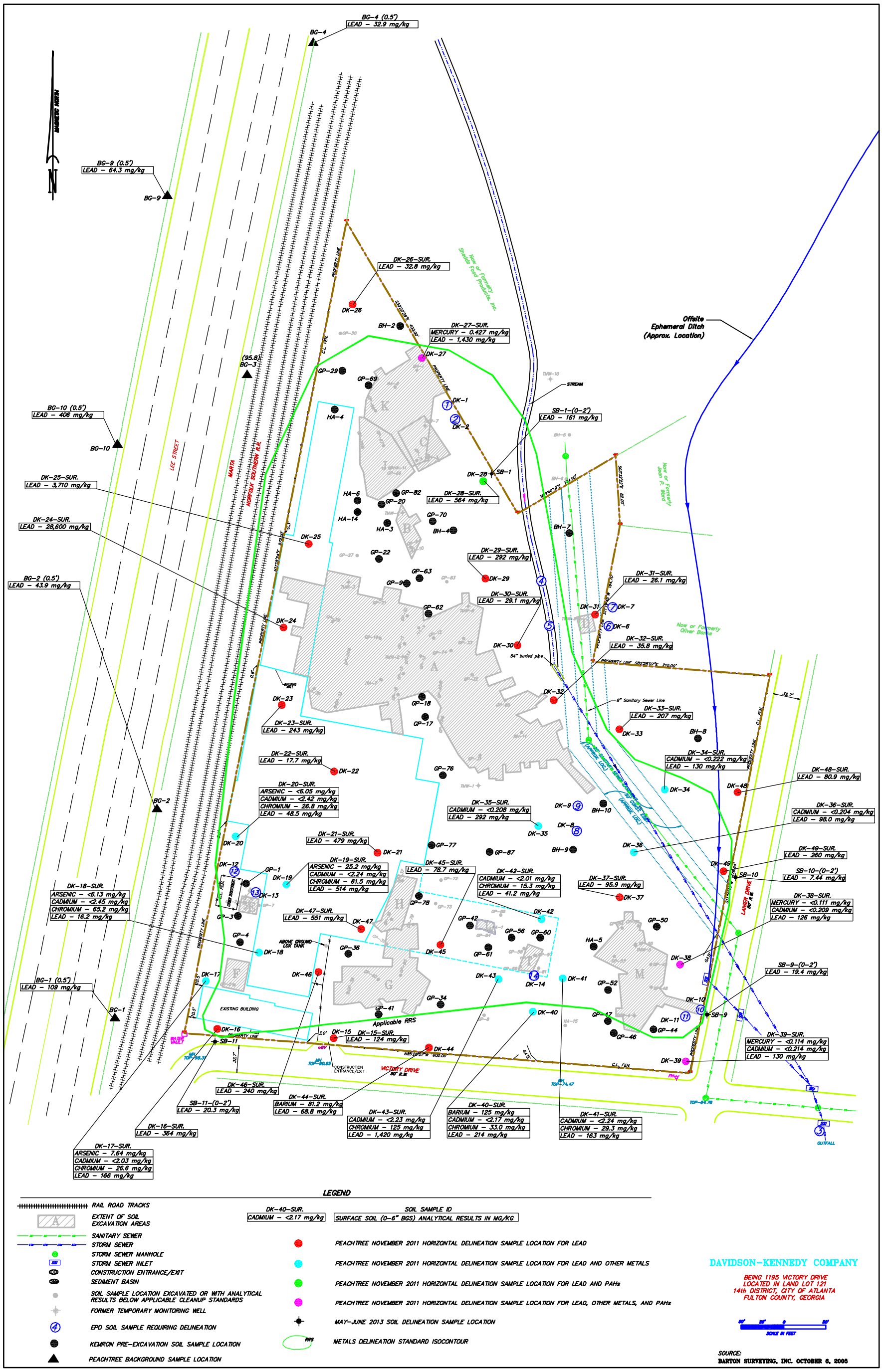


FIGURE NO.
6A
DAVIDSON-KENNEDY
3185

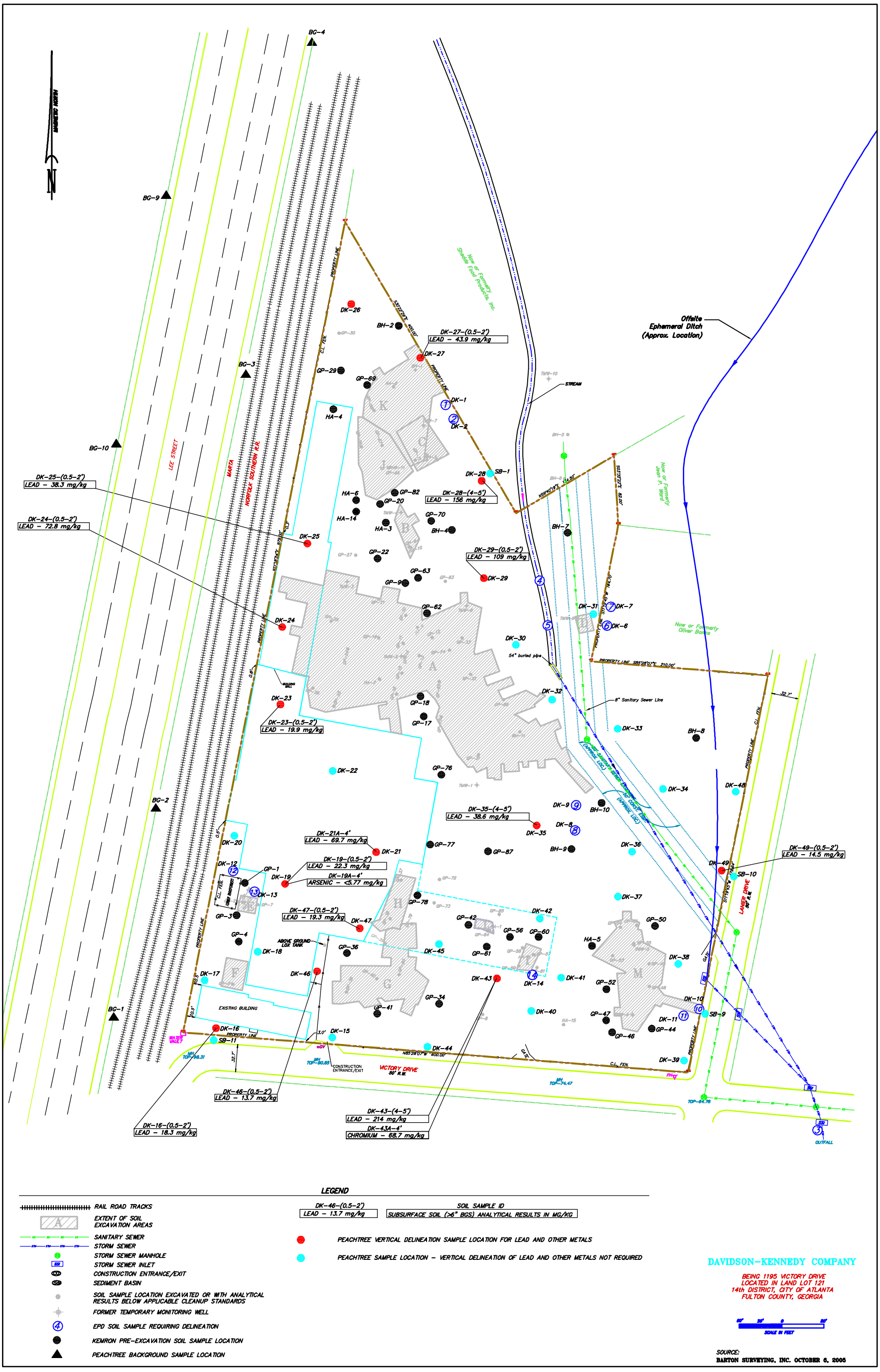
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

HORIZONTAL DELINEATION OF LEAD AND OTHER METALS

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/21/13
DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- PEACHTREE BACKGROUND SAMPLE LOCATION

DK-46-(0.5-2') LEAD - 13.7 mg/kg — SOIL SAMPLE ID: SUBSURFACE SOIL (>6" BGS) ANALYTICAL RESULTS IN MG/KG

- PEACHTREE VERTICAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE SAMPLE LOCATION - VERTICAL DELINEATION OF LEAD AND OTHER METALS NOT REQUIRED

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **6B**
DAVIDSON-KENNEDY 3185

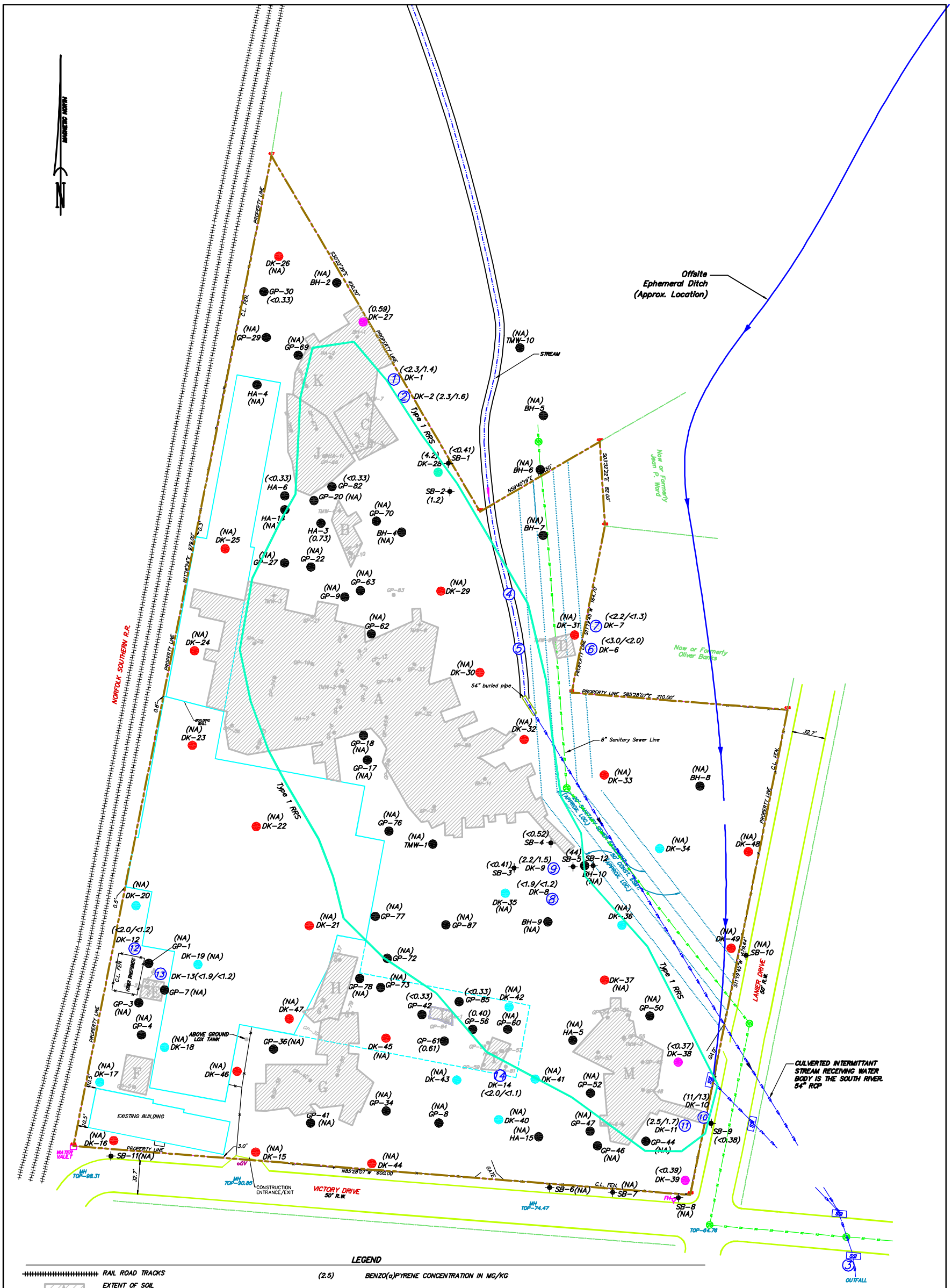
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

VERTICAL DELINEATION OF LEAD AND OTHER METALS

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/21/13 — DWN BY KEMRON — DES BY JPC — CHK BY JPM — APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION
- (2.5) BENZO(a)PYRENE CONCENTRATION IN MG/KG
- (5.8/12) KEMRON/EPD SPLIT SAMPLING BENZO(a)PYRENE CONCENTRATION IN MG/KG
- (NA) CONSTITUENT WAS NOT ANALYZED
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
- BENZO(A)PYRENE TYPE 1 RRS ISOCONTOUR

NOTES

SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

50' 25' 0 50'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **7A**
DAVIDSON-KENNEDY 3185

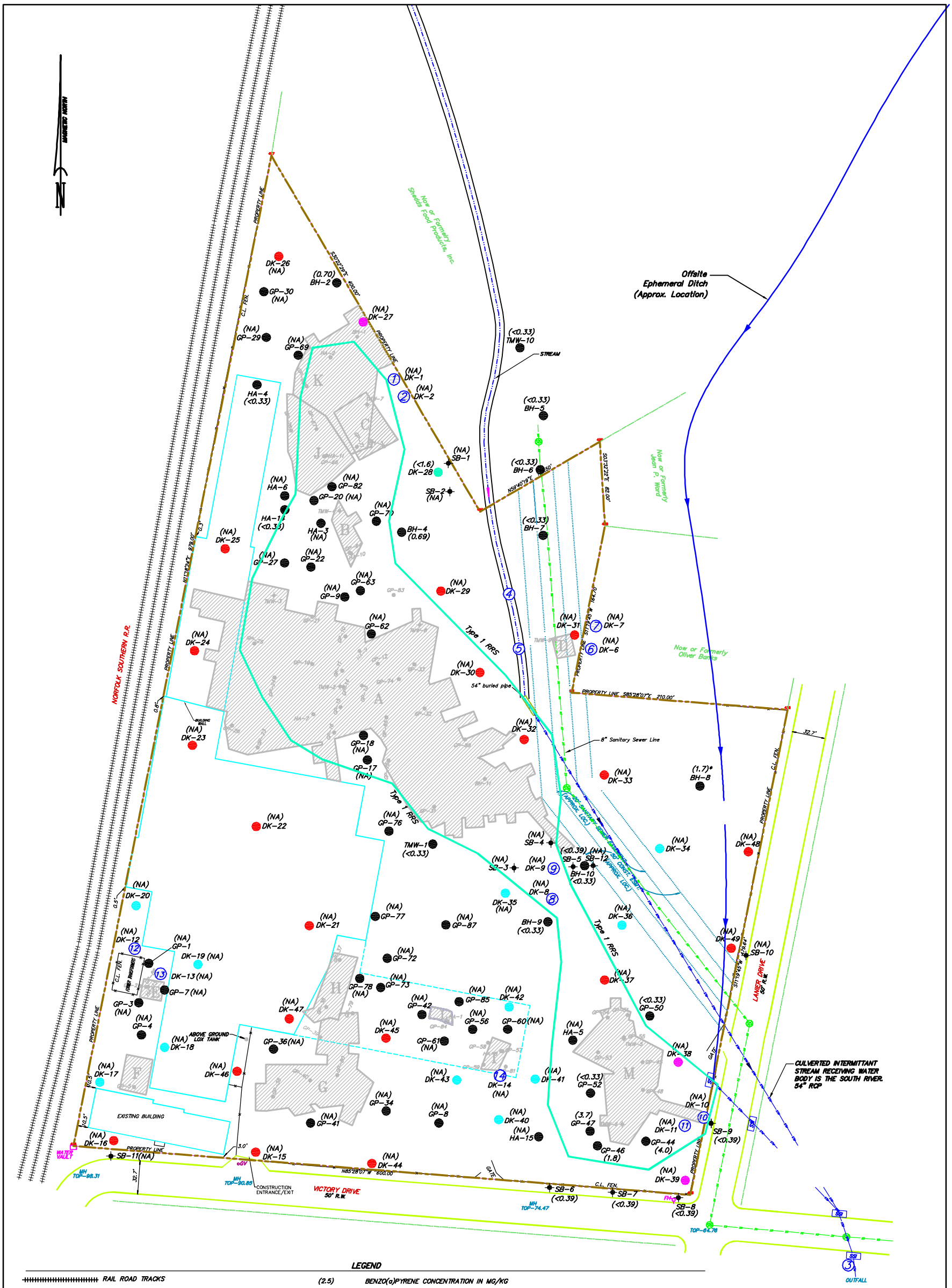
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

BENZO(A)PYRENE ISOCONCENTRATION MAP (LESS THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION
- (2.5) BENZO(a)PYRENE CONCENTRATION IN MG/KG
- (NA) CONSTITUENT WAS NOT ANALYZED
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
- Type 1 RRS BENZO(A)PYRENE TYPE 1 RRS ISOCONTOUR

NOTES

* – PER DISCUSSIONS WITH EPD, THE BENZO(A)PYRENE RESULTS AT BH-8 IS CONSIDERED IN RANGE OF THE TYPE 1 RRS AND WAS NOT DELINEATED.
SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

50' 25' 0 50'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **7B**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

BENZO(a)PYRENE ISOCONCENTRATION MAP
(GREATER THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM

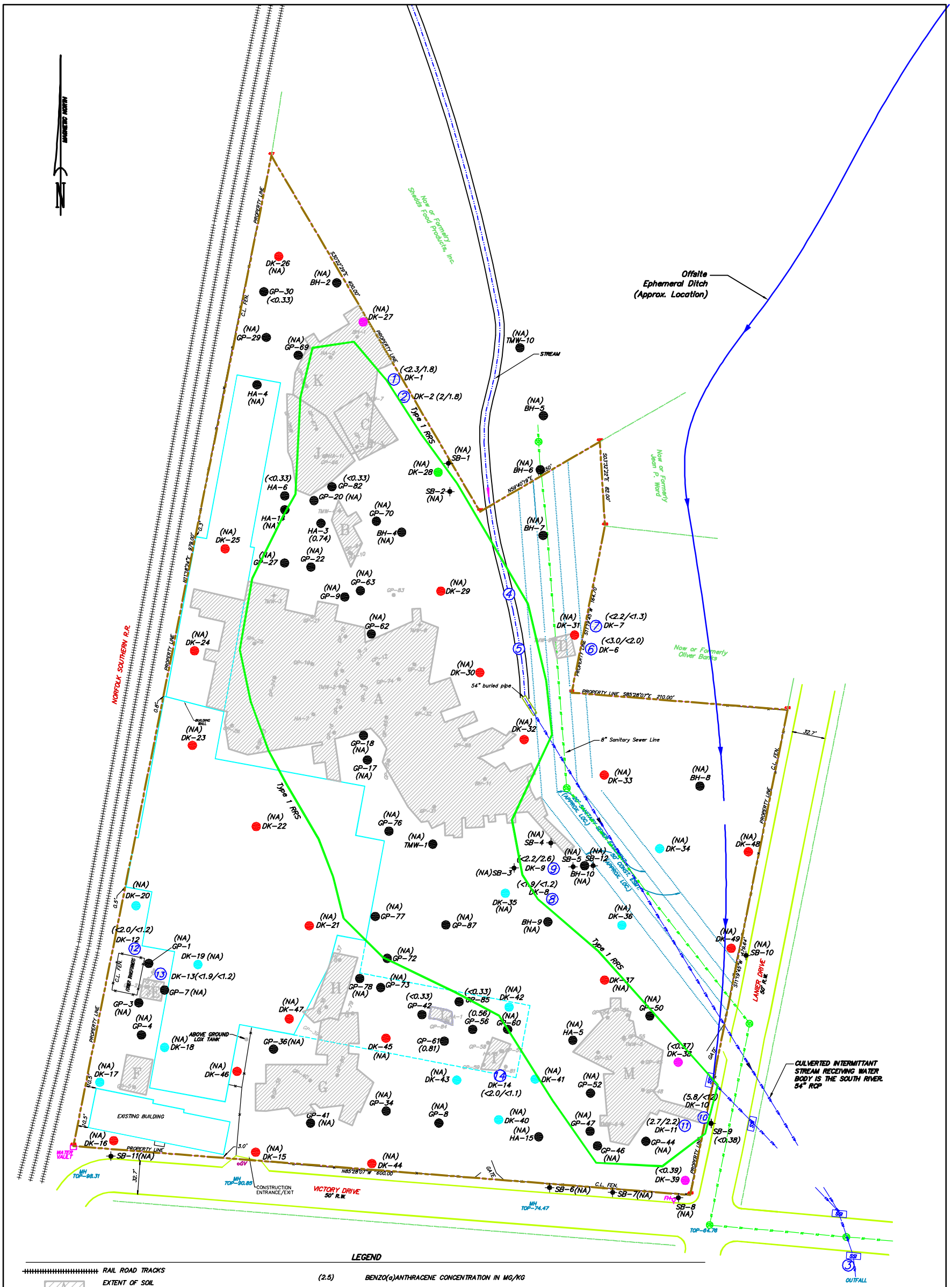


FIGURE NO. **8A**

DAVIDSON-KENNEDY 3185

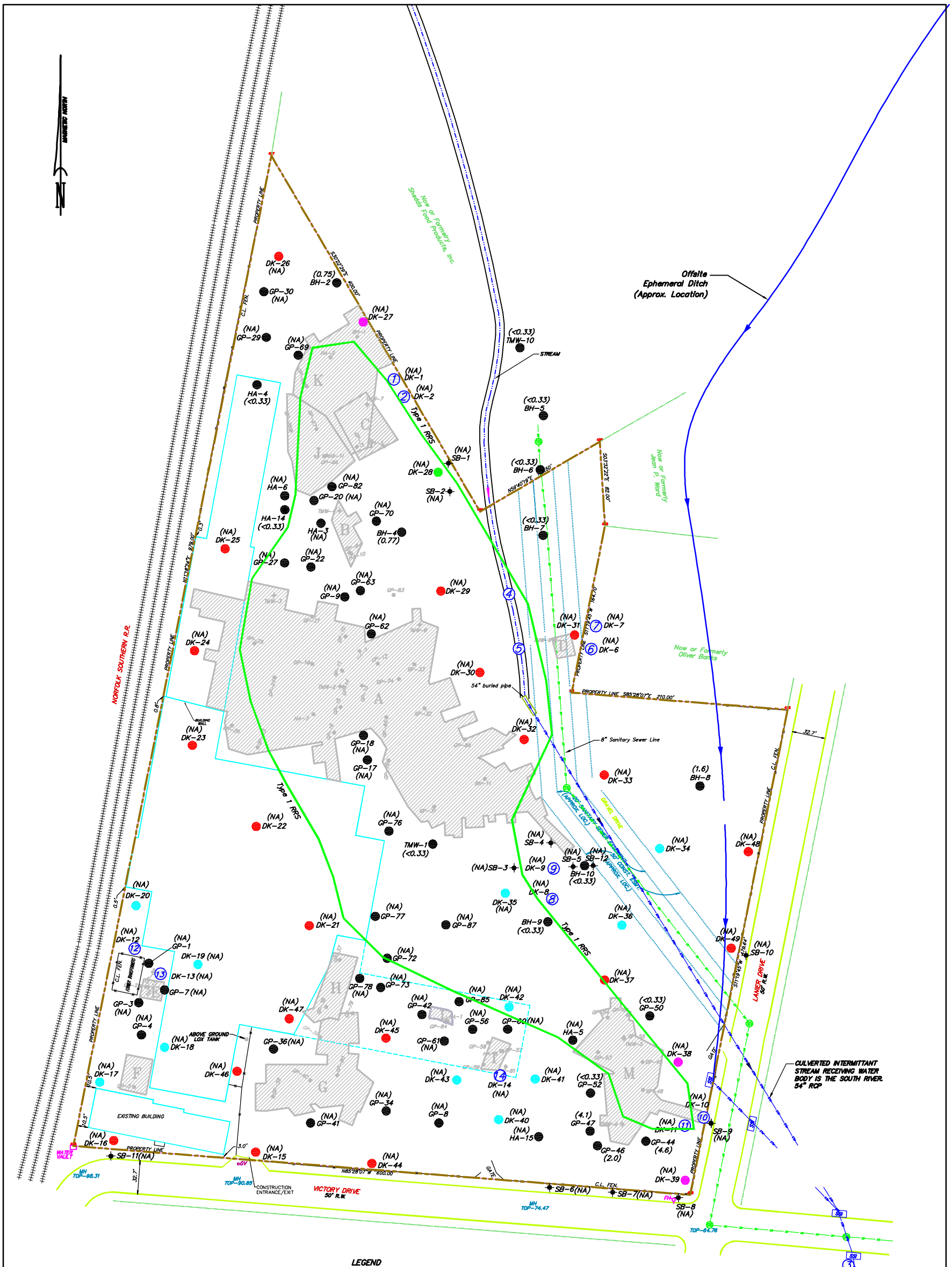
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

BENZO(a)ANTHRACENE ISOCONTOUR MAP
(LESS THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY TAL APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION

(2.5) BENZO(a)ANTHRACENE CONCENTRATION IN MG/KG

(NA) CONSTITUENT WAS NOT ANALYZED

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs

TYPE 1 RRS BENZO(a)ANTHRACENE TYPE 1 RRS ISOCONTOUR

NOTES

BENZO(a)ANTHRACENE WAS NOT DETECTED ABOVE THE TYPE 1 RRS OF 5.00 MG/KG IN ANY OF THE SAMPLES COLLECTED OUTSIDE OF THE EXCAVATION AREAS.
SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

30' 15' 0 60'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **8B**
DAVIDSON-KENNEDY 3185

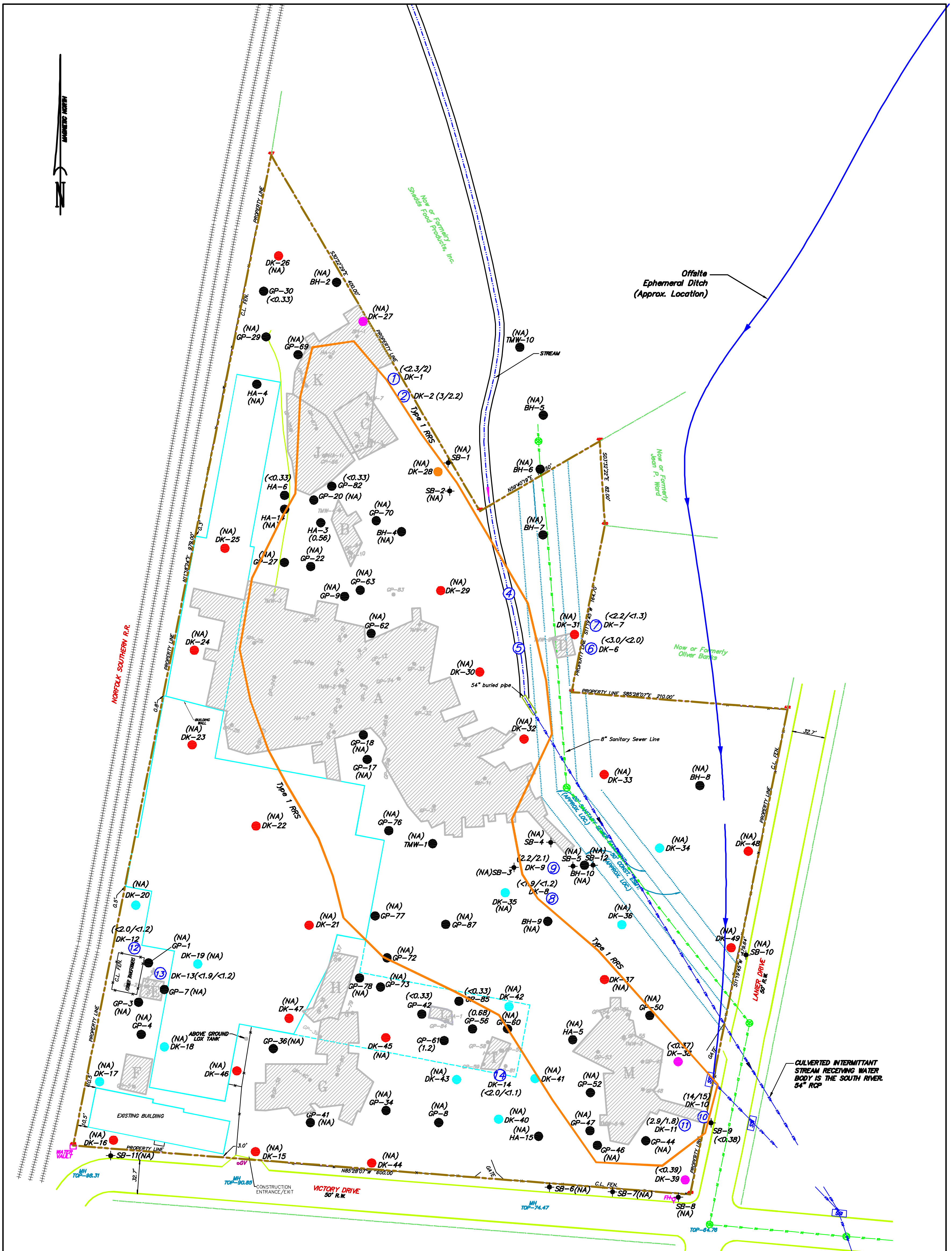
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

BENZO(A)ANTHRACENE ISOCONTOUR MAP
(GREATER THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY TAL APP BY CHM



LEGEND

Symbol	Description
Rail road tracks	RAIL ROAD TRACKS
A (hatched)	EXTENT OF SOIL EXCAVATION AREAS
Sanitary sewer line	SANITARY SEWER
Storm sewer line	STORM SEWER
Manhole symbol	STORM SEWER MANHOLE
SSI	STORM SEWER INLET
CO	CONSTRUCTION ENTRANCE/EXIT
SB	SEDIMENT BASIN
Grey dot	SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
Grey cross	FORMER TEMPORARY MONITORING WELL
4 (circled)	EPD SOIL SAMPLE REQUIRING DELINEATION
Black dot	KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
Black cross	MAY 2013 SOIL DELINEATION SAMPLE LOCATION
(2.5)	BENZO(b)FLUORANTHENE CONCENTRATION IN MG/KG
(5.8/12)	KEMRON/EPD SPLIT SAMPLING BENZO(b)FLUORANTHENE CONCENTRATION IN MG/KG
(NA)	CONSTITUENT WAS NOT ANALYZED
Red dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
Cyan dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
Orange dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
Magenta dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
TYPE 1 RRS (orange outline)	BENZO(b)FLUORANTHENE TYPE 1 RRS ISOCONTOUR

NOTES

BENZO(b)FLUORANTHENE WAS DETECTED ABOVE THE TYPE 1 RRS OF 5.00 MG/KG IN SAMPLE DK-10 ONLY. REMAINING SAMPLES OUTSIDE EXCAVATION WERE BELOW THE TYPE 1 RRS. SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

50' 25' 0 50'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO.
9A
DAVIDSON-KENNEDY
3185

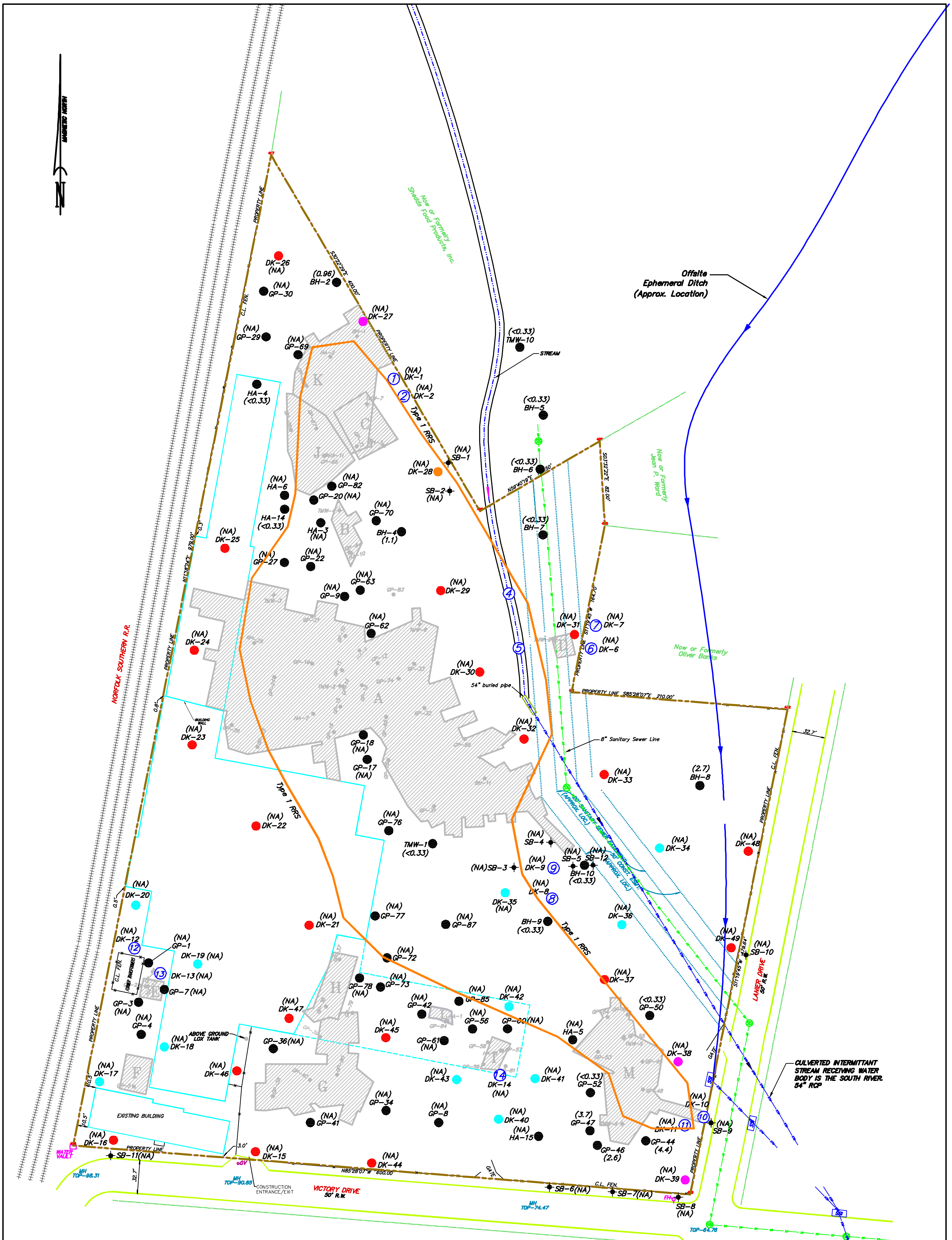
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

BENZO(b)FLUORANTHENE ISOCONTOUR MAP
(LESS THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY TAL APP BY CHM



LEGEND

Symbol	Description
Rail road tracks symbol	RAIL ROAD TRACKS
A (hatched)	EXTENT OF SOIL EXCAVATION AREAS
SS line	SANITARY SEWER
STM line	STORM SEWER
Green manhole	STORM SEWER MANHOLE
SSI	STORM SEWER INLET
CE	CONSTRUCTION ENTRANCE/EXIT
SB	SEDIMENT BASIN
Grey dot	SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
Grey crosshair	FORMER TEMPORARY MONITORING WELL
4 (circled)	EPD SOIL SAMPLE REQUIRING DELINEATION
Black dot	KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
Black crosshair	MAY 2013 SOIL DELINEATION SAMPLE LOCATION
(2.5)	BENZO(b)FLUORANTHENE CONCENTRATION IN MG/KG
(NA)	CONSTITUENT WAS NOT ANALYZED
Red dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
Cyan dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
Orange dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
Magenta dot	PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
TYPE 1 RRS (orange outline)	BENZO(b)FLUORANTHENE TYPE 1 RRS ISOCONTOUR

NOTES

BENZO(b)FLUORANTHENE WAS NOT DETECTED ABOVE THE TYPE 1 RRS OF 5.00 MG/KG IN ANY OF THE SAMPLES COLLECTED OUTSIDE OF THE EXCAVATION AREAS. SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

FIGURE NO.
9B
DAVIDSON-KENNEDY
3185

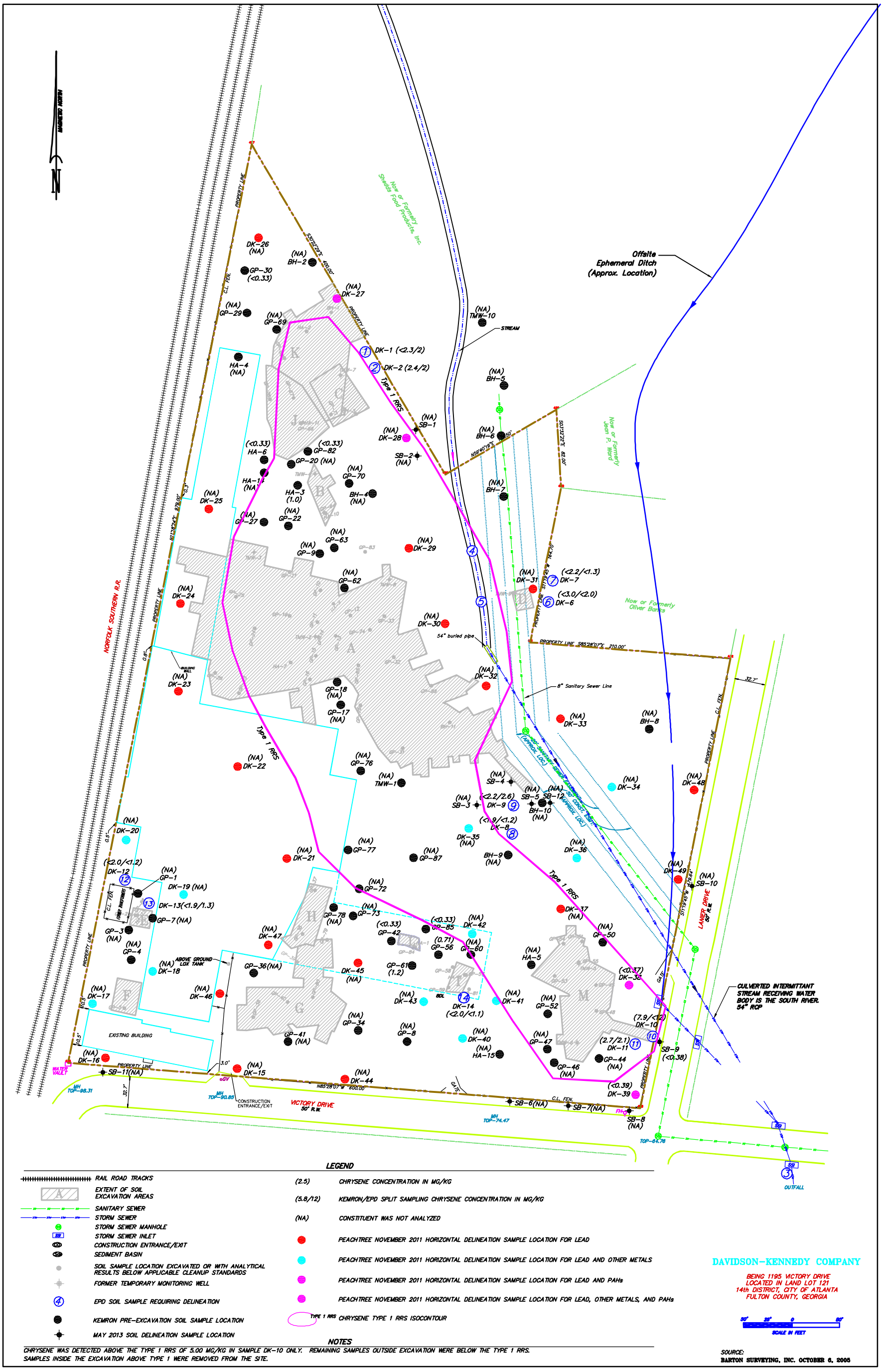
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

BENZO(b)FLUORANTHENE ISOCONTOUR MAP (GREATER THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 | DWN BY KEMRON | DES BY JPC | CHK BY TAL | APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION

- (2.5) CHRYSENE CONCENTRATION IN MG/KG
- (5.8/12) KEMRON/EPD SPLIT SAMPLING CHRYSENE CONCENTRATION IN MG/KG
- (NA) CONSTITUENT WAS NOT ANALYZED
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
- TYPE 1 RRS CHRYSENE TYPE 1 RRS ISOCONTOUR

NOTES

CHRYSENE WAS DETECTED ABOVE THE TYPE 1 RRS OF 5.00 MG/KG IN SAMPLE DK-10 ONLY. REMAINING SAMPLES OUTSIDE EXCAVATION WERE BELOW THE TYPE 1 RRS. SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

30' 15' 0 30'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **10A**
DAVIDSON-KENNEDY
3185

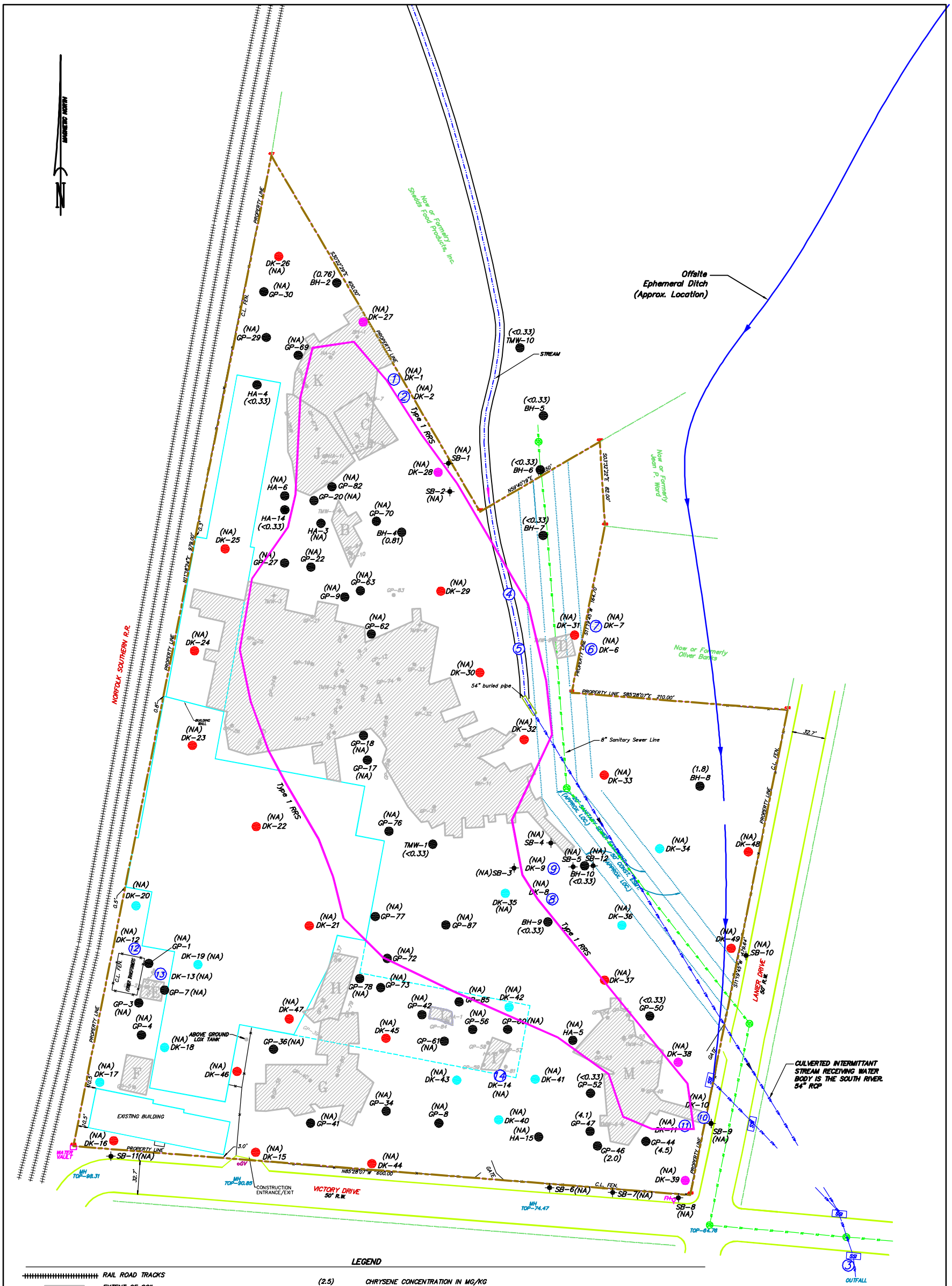
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

CHRYSENE ISOCONTOUR MAP
(LESS THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13 DWN BY KEMRON DES BY JPC CHK BY TAL APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION

(2.5) CHRYSENE CONCENTRATION IN MG/KG

(NA) CONSTITUENT WAS NOT ANALYZED

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs

PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs

TYPE 1 RRS CHRYSENE TYPE 1 RRS ISOCONTOUR

NOTES

CHRYSENE WAS NOT DETECTED ABOVE THE TYPE 1 RRS OF 5.00 MG/KG IN ANY OF THE SAMPLES COLLECTED OUTSIDE OF THE EXCAVATION AREAS.
SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

50' 25' 0 50'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO.
10B
DAVIDSON-KENNEDY
3185

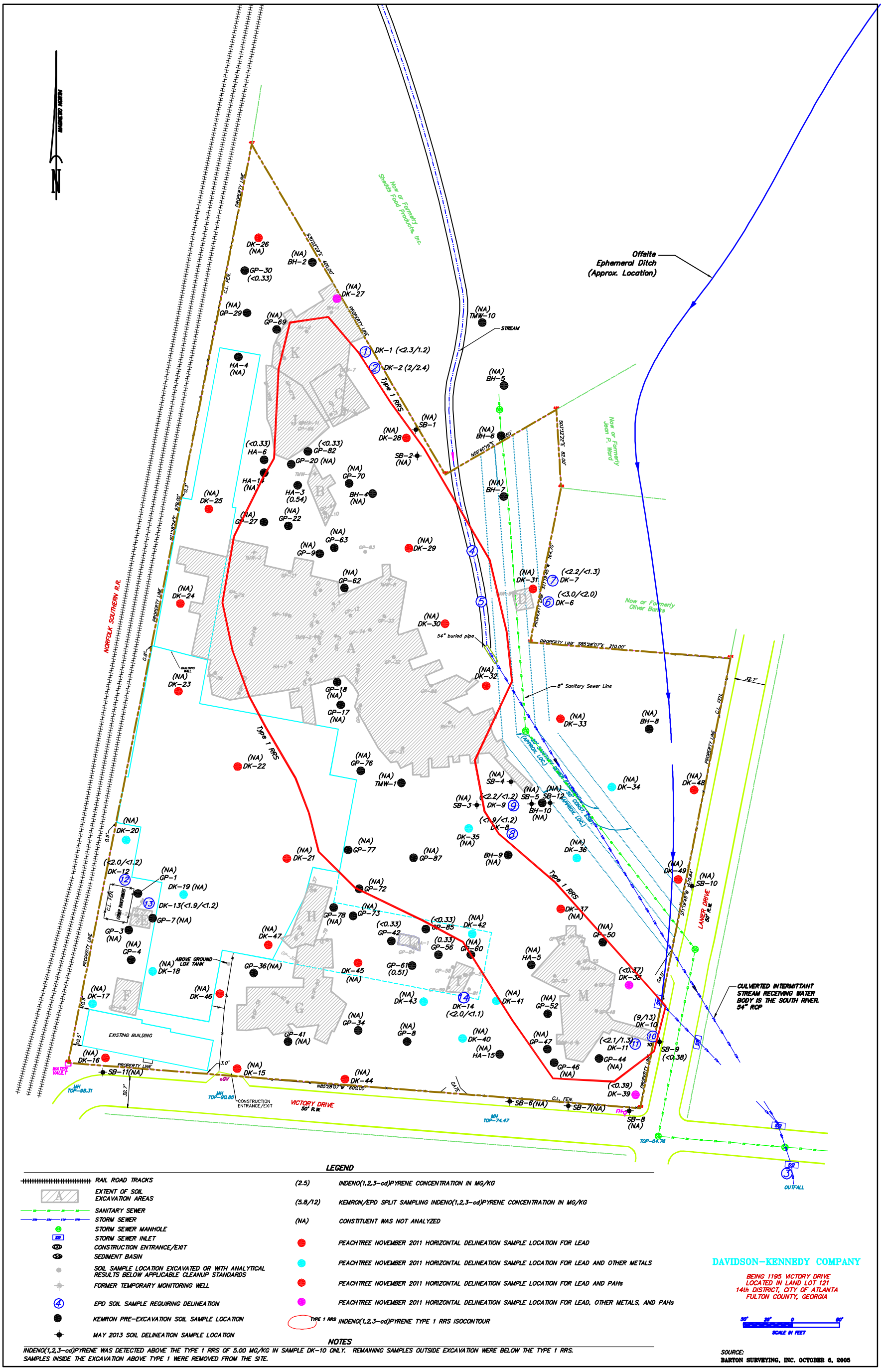
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

CHRYSENE ISOCONTOUR MAP
(GREATER THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13
DWN BY KEMRON
DES BY JPC
CHK BY JPM
APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION

- (2.5) INDENO(1,2,3-cd)PYRENE CONCENTRATION IN MG/KG
- (5.8/12) KEMRON/EPD SPLIT SAMPLING INDENO(1,2,3-cd)PYRENE CONCENTRATION IN MG/KG
- (NA) CONSTITUENT WAS NOT ANALYZED
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
- TYPE 1 RRS INDENO(1,2,3-cd)PYRENE TYPE 1 RRS ISOCONTOUR

NOTES

INDENO(1,2,3-cd)PYRENE WAS DETECTED ABOVE THE TYPE 1 RRS OF 5.00 MG/KG IN SAMPLE DK-10 ONLY. REMAINING SAMPLES OUTSIDE EXCAVATION WERE BELOW THE TYPE 1 RRS. SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

30' 15' 0 30'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO.
11A
DAVIDSON-KENNEDY
3185

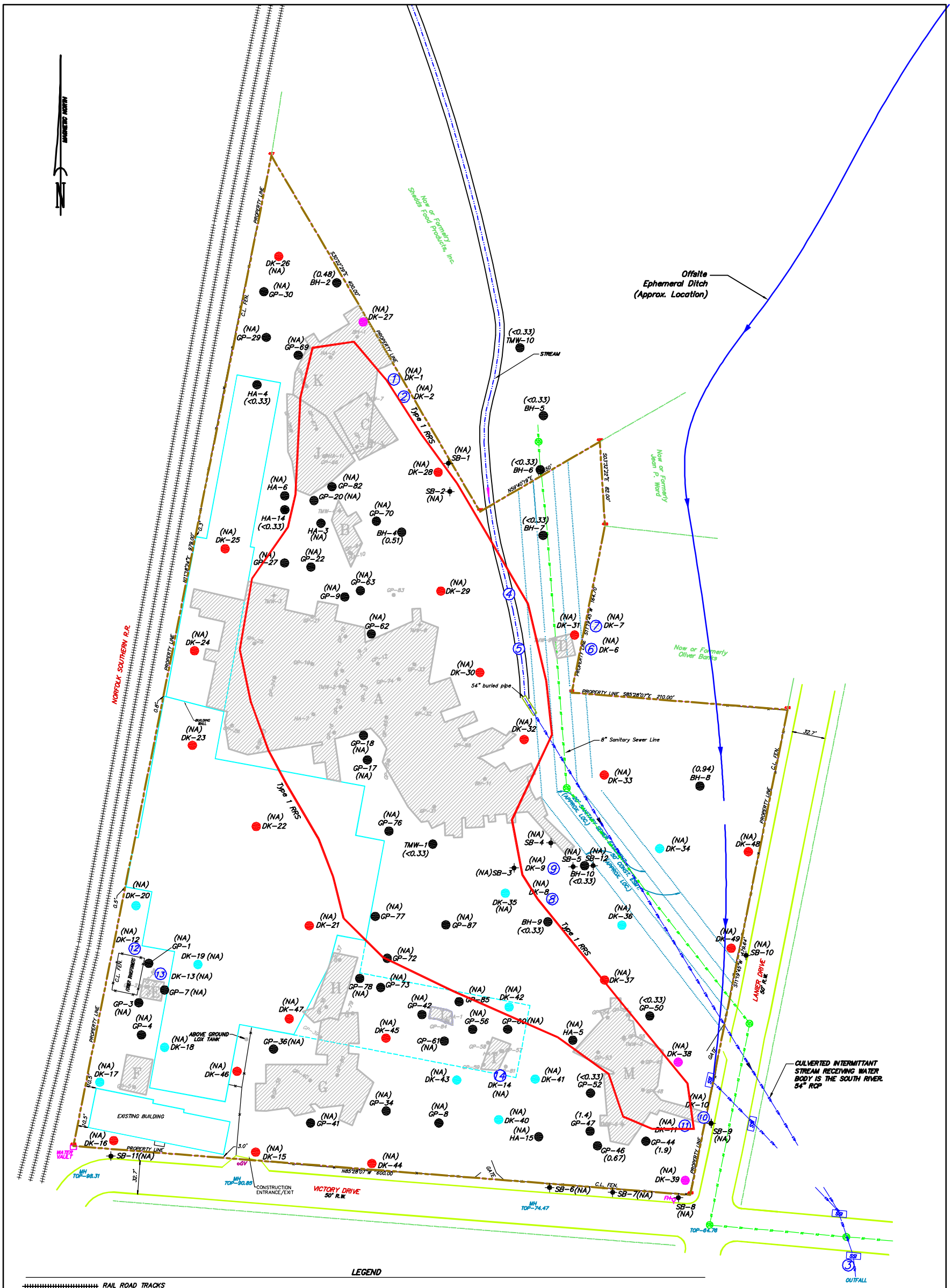
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

INDENO(1,2,3-cd)PYRENE ISOCONTOUR MAP
(LESS THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13
DWN BY KEMRON
DES BY JPC
CHK BY TAL
APP BY CHM



LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- SOIL SAMPLE LOCATION EXCAVATED OR WITH ANALYTICAL RESULTS BELOW APPLICABLE CLEANUP STANDARDS
- FORMER TEMPORARY MONITORING WELL
- EPD SOIL SAMPLE REQUIRING DELINEATION
- KEMRON PRE-EXCAVATION SOIL SAMPLE LOCATION
- MAY 2013 SOIL DELINEATION SAMPLE LOCATION

- (2.5) INDENO(1,2,3-cd)PYRENE CONCENTRATION IN MG/KG
- (NA) CONSTITUENT WAS NOT ANALYZED
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND OTHER METALS
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD AND PAHs
- PEACHTREE NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs
- TYPE 1 RRS INDENO(1,2,3-cd)PYRENE TYPE 1 RRS ISOCONTOUR

NOTES

INDENO(1,2,3-cd)PYRENE WAS NOT DETECTED ABOVE THE TYPE 1/3 RRS OF 5.00 MG/KG IN ANY OF THE SAMPLES COLLECTED OUTSIDE OF THE EXCAVATION AREAS. SAMPLES INSIDE THE EXCAVATION ABOVE TYPE 1/3 WERE REMOVED FROM THE SITE.

DAVIDSON-KENNEDY COMPANY

BEING 1195 VICTORY DRIVE
LOCATED IN LAND LOT 121
14th DISTRICT, CITY OF ATLANTA
FULTON COUNTY, GEORGIA

30' 15' 0 60'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **11B**
DAVIDSON-KENNEDY
3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA
INDENO(1,2,3-cd)PYRENE ISOCONCENTRATION MAP (GREATER THAN 2 FT-BGS)

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 12/31/13
DWN BY KEMRON DES BY JPC CHK BY TAL APP BY CHM

APPENDIX A

MONTHLY SUMMARY OF PROFESSIONAL ENGINEER HOURS

THE DAVIDSON-KENNEDY COMPANY PROPERTY
ATLANTA, FULTON COUNTY, GEORGIA
HSI #10866

APPENDIX A

MONTHLY SUMMARY AND DESCRIPTION OF PROFESSIONAL ENGINEER HOURS

Quantity	Units	Time Period + Description of Activities	Hours		Subtotal
		June 30 to July 27, 2013			
		Project Management - Preparing Response to EPD's comments on Kriging Analysis			
4.50	Hours	Project Director (John P. Martiniere, P.E.)			4.50
		July 28 to August 31, 2013			
		Project Management - Preparing Response to EPD's comments on Kriging Analysis; Budget Analysis			
21.50	Hours	Project Director (John P. Martiniere, P.E.)			21.50
		September 1 to September 28, 2013			
		Project Management - Preparation of information for appraiser.			
1.50	Hours	Project Director (John P. Martiniere, P.E.)			1.50
		September 29 to October 26, 2013			
		Project Management - Preparing Response to EPD's comments on Kriging Analysis; Invoice/Budget Analysis			
2.00	Hours	Project Director (John P. Martiniere, P.E.)			2.00
		October 27 to November 30, 2013			
		Project Management - Preparing Response to EPD's comments on Kriging Analysis			
3.00	Hours	Project Director (John P. Martiniere, P.E.)			3.00
		December 1 to December 28, 2013			
		Project Management - Preparing Response to EPD's comments on Kriging Analysis			
13.50	Hours	Project Director (John P. Martiniere, P.E.)			13.50

PE MONTHLY HOURS TOTAL => 46.00

APPENDIX B

NOVEMBER 2013 LABORATORY DATA REPORT

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 19, 2012

Michael H. Wilson
Peachtree Environmental
5384 Chaversham Lane
Norcross GA 300922167

TEL: (770) 449-6100
FAX: (770) 513-9848

RE: Davidson Kennedy Company

Dear Michael H. Wilson: Order No: 1201914

Analytical Environmental Services, Inc. received 37 samples on 1/13/2012 3:20:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

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

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

James Forrest
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

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

CHAIN OF CUSTODY

Work Order: 1201914

Date: 1-13-12 Page 1 of 3

COMPANY: Peachtree Environmental

ADDRESS: 3040 Business Park Drive, Ste.E. Norcross, GA 30071

PHONE: 770-449-6100

FAX:

SAMPLED BY: Mike Wilson & Jason P. Chappell

SIGNATURE:

ANALYSIS REQUESTED: LEAD

PRESERVATION (See codes): NA

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	DKC-0112-DK16-(0.5'-2')	11-22-11	1140	X		SO		1
2	DKC-0112-DK16-(4'-5')	11-22-11	1145					1
3	DKC-0112-DK19-(0.5'-2')	11-22-11	1115					1
4	DKC-0112-DK19-(4'-5')	11-22-11	1120					1
5	DKC-0112-DK23-(0.5'-2')	11-22-11	0850					1
6	DKC-0112-DK23-(4'-5')	11-22-11	0855					1
7	DKC-0112-DK24-(0.5'-2')	11-22-11	0815					1
8	DKC-0112-DK24-(4'-5')	11-22-11	0820					1
9	DKC-0112-DK25-(0.5'-2')	11-22-11	0805					1
10	DKC-0112-DK25-(4'-5')	11-22-11	0810					1
11	DKC-0112-DK27-(0.5'-2')	11-21-11	1650					1
12	DKC-0112-DK27-(4'-5')	11-21-11	1655					1
13	DKC-0112-DK27-(9'-10')	11-21-11	1700					1
14	DKC-0112-DK27-(14'-15')	11-21-11	1705					1

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1.	1-13-12 1434	1. Virginia M. Reed	1/13/12 1434
2. Virginia M. Reed	1/13/12 3:20P	2.	1/13/12 3:20
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION

PROJECT NAME: Davidson Kennedy Company
PROJECT #: 3185
SITE ADDRESS: Atlanta, GA
SEND REPORT TO: M. Wilson
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: PO#

RECEIPT
Total # of Containers: 14

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

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

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

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

CHAIN OF CUSTODY

Work Order: 120914

Date: 1-13-12 Page 2 of 3

COMPANY	ADDRESS
Peachtree Environmental	3040 Business Park Drive, Ste. E Norcross, GA 30071
PHONE: 770-449-6100	FAX:
SAMPLED BY: Mike Wilson & Jason P. Chappell	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED: LEAD	PRESERVATION (See codes): NA	REMARKS	No # of Containers
1	DKC-0112-DK28-(0.5'-2')	11-21-11	1635	X		SO	X	X		1
2	DKC-0112-DK28-(4'-5')	11-21-11	1640							1
3	DKC-0112-DK28-(9'-10')	11-21-11	1645							1
4	DKC-0112-DK29-(0.5'-2')	11-21-11	1617							1
5	DKC-0112-DK29-(4'-5')	11-21-11	1620							1
6	DKC-0112-DK29-(9'-10')	11-21-11	1625							1
7	DKC-0112-DK29-(14'-15')	11-21-11	1630							1
8	DKC-0112-DK29-(19'-20')	11-21-11	1633							1
9	DKC-0112-DK35-(0.5'-2')	11-21-11	1430							1
10	DKC-0112-DK35-(4'-5')	11-21-11	1435							1
11	DKC-0112-DK43-(0.5'-2')	11-22-11	1305							1
12	DKC-0112-DK43-(4'-5')	11-22-11	1310							1
13	DKC-0112-DK43-(9'-10')	11-22-11	1315							1
14	DKC-0112-DK46-(0.5'-2')	11-22-11	1415							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.	1-13-12 1434	1. Virginia M. Flood	1/13/12 1434
2. Virginia M. Flood	1/13/12 3:20 P	2.	1/13/12 3:20
3.		3.	

PROJECT INFORMATION

PROJECT NAME: Davidson Kennedy Company
PROJECT #: 3185
SITE ADDRESS: Atlanta, GA
SEND REPORT TO: M. Wilson
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: PO#:

RECEIPT

Total # of Containers: 14

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

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

SPECIAL INSTRUCTIONS/COMMENTS:

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

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: HCl = Hydrochloric acid + Ice I = Ice only N = Nitric acid SH = Sulfuric acid + Ice SM = Sodium Bisulfate/Methanol + Ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

Work Order: 120194

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

Date: 1-13-12 Page 3 of 3

COMPANY	ADDRESS
Peachtree Environmental	3040 Business Park Dr., Ste. E. Norcross, GA 30071
PHONE:	FAX:
SAMPLED BY: Mike Wilson	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED: LEAD	ANALYSIS REQUESTED: TCLP (LEAD)	REMARKS	No # of Containers
	PRESERVATION (See codes)						NA	NA		
1	DKC-0112-DK46-(4'-5')	11-22-11	1415	X		SO	X			1
2	DKC-0112-DK47-(0.5'-2')	11-22-11	1455							1
3	DKC-0112-DK47-(4'-5')	11-22-11	1500							1
4	DKC-0112-DK49-(0.5'-2')	11-22-11	1600							1
5	~~DKC-0112-DK49-(4'-5')~~	~~11-22-11~~	~~1605~~						NO SAMPLE	~~1~~
6	DKC-0112-DK49-(9'-10')	11-22-11	1610							1
7	DKC-0112-DK24-(Surface)	11-22-11	0810					X		1
8	DKC-0112-DK25-(Surface)	11-22-11	0800							1
9	DKC-0112-DK27-(Surface)	11-21-11	1645							1
10	DKC-0112-DK43-(Surface)	11-22-11	1300							1
11										
12										
13										
14										

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:	1-13-12 1434	1: Virginia M. Reed	1/13/12 1434
2: Virginia M. Reed	1/13/12 3:20p	2:	1/13/12 3:20
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Davidson Kennedy Company
PROJECT #: 3185
SITE ADDRESS: Atlanta, GA
SEND REPORT TO: M. Wilson
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: PO#:

SPECIAL INSTRUCTIONS/COMMENTS:

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

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

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

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S.M.I = Sodium Bisulfate Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 19-Jan-12

Client: Peachtree Environmental
Project: Davidson Kennedy Company
Lab ID: 1201914

Case Narrative

Results for total lead were reported at three days TAT due 1/18/12 per Michael Wilson on 1/16/12 via email.

Analytical Environmental Services, Inc **Date:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK16-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 11:40:00 AM
Lab ID:	1201914-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C					**(SW3050B)**			
Lead	18.3	5.23		mg/Kg-dry	156590	1	01/18/2012 01:02	BB
PERCENT MOISTURE D2216								
Percent Moisture	11.8	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK16-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 11:45:00 AM
Lab ID:	1201914-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	20.6	5.58		mg/Kg-dry	156590	1	01/18/2012 01:06	BB
PERCENT MOISTURE D2216								
Percent Moisture	13.9	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK19-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 11:15:00 AM
Lab ID:	1201914-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	22.3	6.07		mg/Kg-dry	156590	1	01/18/2012 01:10	BB
PERCENT MOISTURE D2216								
Percent Moisture	20.3	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK19-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 11:20:00 AM
Lab ID:	1201914-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	20.0	5.87		mg/Kg-dry	156590	1	01/18/2012 01:14	BB
PERCENT MOISTURE D2216								
Percent Moisture	19.7	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK23-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:50:00 AM
Lab ID:	1201914-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	19.9	5.47		mg/Kg-dry	156590	1	01/18/2012 01:18	BB
PERCENT MOISTURE D2216								
Percent Moisture	15.3	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK23-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:55:00 AM
Lab ID:	1201914-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	20.4	5.85		mg/Kg-dry	156590	1	01/18/2012 01:22	BB
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK24-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:15:00 AM
Lab ID:	1201914-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	72.8	5.42		mg/Kg-dry	156590	1	01/18/2012 01:26	BB
PERCENT MOISTURE D2216								
Percent Moisture	16.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK24-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:20:00 AM
Lab ID:	1201914-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	91.8	5.72		mg/Kg-dry	156590	1	01/18/2012 01:31	BB
PERCENT MOISTURE D2216								
Percent Moisture	15.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK25-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:05:00 AM
Lab ID:	1201914-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	38.3	5.86		mg/Kg-dry	156590	1	01/18/2012 01:50	BB
PERCENT MOISTURE D2216								
Percent Moisture	15.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK25-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:10:00 AM
Lab ID:	1201914-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	29.8	5.51		mg/Kg-dry	156592	1	01/17/2012 22:10	BB
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK27-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:50:00 PM
Lab ID:	1201914-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	43.9	5.30		mg/Kg-dry	156592	1	01/17/2012 22:14	BB
PERCENT MOISTURE D2216								
Percent Moisture	14.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK27-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:55:00 PM
Lab ID:	1201914-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	48.0	5.46		mg/Kg-dry	156592	1	01/17/2012 22:18	BB
PERCENT MOISTURE D2216								
Percent Moisture	11.6	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK27-(9'-10')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 5:00:00 PM
Lab ID:	1201914-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	337	5.26		mg/Kg-dry	156592	1	01/17/2012 22:22	BB
PERCENT MOISTURE D2216								
Percent Moisture	10.6	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK27-(14'-15')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 5:05:00 PM
Lab ID:	1201914-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	90.0	5.33		mg/Kg-dry	156592	1	01/17/2012 22:26	BB
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK28-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:35:00 PM
Lab ID:	1201914-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	707	5.36		mg/Kg-dry	156592	1	01/17/2012 22:30	BB
PERCENT MOISTURE D2216								
Percent Moisture	14.2	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK28-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:40:00 PM
Lab ID:	1201914-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	156	5.58		mg/Kg-dry	156592	1	01/17/2012 22:41	BB
PERCENT MOISTURE D2216								
Percent Moisture	13.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK28-(9'-10')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:45:00 PM
Lab ID:	1201914-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	46.7	5.66		mg/Kg-dry	156592	1	01/17/2012 22:45	BB
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK29-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:17:00 PM
Lab ID:	1201914-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	109	5.48		mg/Kg-dry	156592	1	01/17/2012 22:49	BB
PERCENT MOISTURE D2216								
Percent Moisture	13.9	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK29-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:20:00 PM
Lab ID:	1201914-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	1780	5.33		mg/Kg-dry	156592	1	01/17/2012 22:53	BB
PERCENT MOISTURE D2216								
Percent Moisture	10.5	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK29-(9'-10')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:25:00 PM
Lab ID:	1201914-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	186	5.30		mg/Kg-dry	156592	1	01/17/2012 22:57	BB
PERCENT MOISTURE D2216								
Percent Moisture	9.07	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK29-(14'-15')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:30:00 PM
Lab ID:	1201914-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	221	5.47		mg/Kg-dry	156592	1	01/17/2012 23:02	BB
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK29-(19'-20')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:33:00 PM
Lab ID:	1201914-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	18.9	6.12		mg/Kg-dry	156592	1	01/17/2012 23:06	BB
PERCENT MOISTURE D2216								
Percent Moisture	20.7	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK35-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 2:30:00 PM
Lab ID:	1201914-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	264	5.64		mg/Kg-dry	156592	1	01/17/2012 23:10	BB
PERCENT MOISTURE D2216								
Percent Moisture	13.1	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK35-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 2:35:00 PM
Lab ID:	1201914-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	38.6	5.41		mg/Kg-dry	156592	1	01/17/2012 23:14	BB
PERCENT MOISTURE D2216								
Percent Moisture	15.2	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK43-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 1:05:00 PM
Lab ID:	1201914-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	1900	5.15		mg/Kg-dry	156592	1	01/17/2012 21:34	BB
PERCENT MOISTURE D2216								
Percent Moisture	7.65	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK43-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 1:10:00 PM
Lab ID:	1201914-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	214	5.32		mg/Kg-dry	156592	1	01/17/2012 23:18	BB
PERCENT MOISTURE D2216								
Percent Moisture	10.1	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK43-(9'-10')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 1:15:00 PM
Lab ID:	1201914-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	14.1	5.56		mg/Kg-dry	156592	1	01/17/2012 23:29	BB
PERCENT MOISTURE D2216								
Percent Moisture	10.2	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK46-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 2:15:00 PM
Lab ID:	1201914-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	13.7	5.43		mg/Kg-dry	156592	1	01/17/2012 23:33	BB
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK46-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 2:15:00 PM
Lab ID:	1201914-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	19.9	5.97		mg/Kg-dry	156592	1	01/17/2012 23:37	BB
PERCENT MOISTURE D2216								
Percent Moisture	17.0	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK47-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 2:55:00 PM
Lab ID:	1201914-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	19.3	5.71		mg/Kg-dry	156595	1	01/17/2012 19:18	BB
PERCENT MOISTURE D2216								
Percent Moisture	16.6	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK47-(4'-5')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 3:00:00 PM
Lab ID:	1201914-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	29.4	5.71		mg/Kg-dry	156595	1	01/17/2012 19:22	BB
PERCENT MOISTURE D2216								
Percent Moisture	18.2	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK49-(0.5'-2')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 4:00:00 PM
Lab ID:	1201914-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	14.5	5.20		mg/Kg-dry	156595	1	01/17/2012 19:34	BB
PERCENT MOISTURE D2216								
Percent Moisture	9.34	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK49-(9'-10')
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 4:10:00 PM
Lab ID:	1201914-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	10.3	5.69		mg/Kg-dry	156595	1	01/17/2012 19:38	BB
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R213385	1	01/18/2012 11:00	AS

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK24-(SURFACE)
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:10:00 AM
Lab ID:	1201914-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ICP METALS, TCLP SW1311/6010C (SW3010A)								
Lead	182	0.0500	*	mg/L	156627	1	01/17/2012 21:09	BB

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	NC	Not confirmed
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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK25-(SURFACE)
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 8:00:00 AM
Lab ID:	1201914-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ICP METALS, TCLP SW1311/6010C (SW3010A)								
Lead	3.85	0.0500		mg/L	156627	1	01/17/2012 21:14	BB

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	NC	Not confirmed
	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:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK27-(SURFACE)
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/21/2011 4:45:00 PM
Lab ID:	1201914-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ICP METALS, TCLP SW1311/6010C (SW3010A)								
Lead	BRL	0.0500		mg/L	156627	1	01/17/2012 21:20	BB

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 19-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-0112-DK43-(SURFACE)
Project Name:	Davidson Kennedy Company	**Collection Date:**	11/22/2011 1:00:00 PM
Lab ID:	1201914-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ICP METALS, TCLP SW1311/6010C (SW3010A)								
Lead	6.64	0.0500	*	mg/L	156627	1	01/17/2012 20:24	BB

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	NC	Not confirmed
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.

Sample/Cooler Receipt Checklist

Client Peachtree Environmental Work Order Number 1201914

Checklist completed by [signature] 01/13/2012
Signature Date

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

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

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

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

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 4.0 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

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

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

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

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

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Peachtree Environmental
Project Name: Davidson Kennedy Company
Workorder: 1201914

ANALYTICAL QC SUMMARY REPORT

BatchID: 156590

Sample ID: **MB-156590**	Client ID:			Units: **mg/Kg**	Prep Date: **01/16/2012**	Run No: **213334**
SampleType: **MBLK**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **156590**	Analysis Date: **01/17/2012**	Seq No: **4460931**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-156590**	Client ID:			Units: **mg/Kg**	Prep Date: **01/16/2012**	Run No: **213334**
SampleType: **LCS**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **156590**	Analysis Date: **01/17/2012**	Seq No: **4460930**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	49.80	5.00	50	0	99.6	80	120	0	0	0	

Sample ID: **1201799-013CMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **01/16/2012**	Run No: **213334**
SampleType: **MS**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **156590**	Analysis Date: **01/17/2012**	Seq No: **4460933**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	56.02	5.23	52.28	5.597	96.4	75	125	0	0	0	

Sample ID: **1201799-013CMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **01/16/2012**	Run No: **213334**
SampleType: **MSD**	TestCode: **METALS, TOTAL** **SW6010C**			BatchID: **156590**	Analysis Date: **01/17/2012**	Seq No: **4460934**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	54.33	5.23	52.27	5.597	93.2	75	125	56.02	3.06	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: Peachtree Environmental
Project Name: Davidson Kennedy Company
Workorder: 1201914

ANALYTICAL QC SUMMARY REPORT

BatchID: 156592

Sample ID: **MB-156592** Client ID: Units: **mg/Kg** Prep Date: **01/16/2012** Run No: **213332**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010C** BatchID: **156592** Analysis Date: **01/17/2012** Seq No: **4460865**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-156592** Client ID: Units: **mg/Kg** Prep Date: **01/16/2012** Run No: **213332**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **156592** Analysis Date: **01/17/2012** Seq No: **4460863**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	54.36	5.00	50	0	109	80	120	0	0	0	

Sample ID: **1201914-025AMS** Client ID: **DKC-0112-DK43-(0.5'-2')** Units: **mg/Kg-dry** Prep Date: **01/16/2012** Run No: **213332**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **156592** Analysis Date: **01/17/2012** Seq No: **4460873**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	2153	5.13	51.28	1895	502	75	125	0	0	0	S

Sample ID: **1201914-025AMSD** Client ID: **DKC-0112-DK43-(0.5'-2')** Units: **mg/Kg-dry** Prep Date: **01/16/2012** Run No: **213332**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **156592** Analysis Date: **01/17/2012** Seq No: **4460874**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	2390	5.15	51.49	1895	962	75	125	2153	10.5	20	S

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: Peachtree Environmental
Project Name: Davidson Kennedy Company
Workorder: 1201914

ANALYTICAL QC SUMMARY REPORT

BatchID: 156595

Sample ID: **MB-156595** Client ID: Units: **mg/Kg** Prep Date: **01/17/2012** Run No: **213310**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **156595** Analysis Date: **01/17/2012** Seq No: **4460670**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-156595** Client ID: Units: **mg/Kg** Prep Date: **01/17/2012** Run No: **213310**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **156595** Analysis Date: **01/17/2012** Seq No: **4460669**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	47.14	5.00	50	0	94.3	80	120	0	0	0	

Sample ID: **1201908-003BMS** Client ID: Units: **mg/Kg** Prep Date: **01/17/2012** Run No: **213310**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **156595** Analysis Date: **01/17/2012** Seq No: **4460672**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	104.0	5.00	49.98	63.18	81.6	75	125	0	0	0	

Sample ID: **1201908-003BMSD** Client ID: Units: **mg/Kg** Prep Date: **01/17/2012** Run No: **213310**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **156595** Analysis Date: **01/17/2012** Seq No: **4460673**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	117.6	5.00	49.99	63.18	109	75	125	104.0	12.3	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: Peachtree Environmental
Project Name: Davidson Kennedy Company
Workorder: 1201914

ANALYTICAL QC SUMMARY REPORT

BatchID: 156627

Sample ID: **MB-156627**	Client ID:			Units: **mg/L**	Prep Date: **01/17/2012**	Run No: **213330**
SampleType: **MBLK**	TestCode: **ICP METALS, TCLP SW1311/6010C**			BatchID: **156627**	Analysis Date: **01/17/2012**	Seq No: **4460822**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	0.0500	0	0	0	0	0	0	0	0	

Sample ID: **LCS-156627**	Client ID:			Units: **mg/L**	Prep Date: **01/17/2012**	Run No: **213330**
SampleType: **LCS**	TestCode: **ICP METALS, TCLP SW1311/6010C**			BatchID: **156627**	Analysis Date: **01/17/2012**	Seq No: **4460821**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	5.091	0.0500	5	0.008156	102	85	115	0	0	0	

Sample ID: **1201914-037AMS**	Client ID: **DKC-0112-DK43-(SURFACE)**			Units: **mg/L**	Prep Date: **01/17/2012**	Run No: **213330**
SampleType: **MS**	TestCode: **ICP METALS, TCLP SW1311/6010C**			BatchID: **156627**	Analysis Date: **01/17/2012**	Seq No: **4460824**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	11.55	0.0500	5	6.642	98.2	50	150	0	0	0	

Sample ID: **1201914-037AMSD**	Client ID: **DKC-0112-DK43-(SURFACE)**			Units: **mg/L**	Prep Date: **01/17/2012**	Run No: **213330**
SampleType: **MSD**	TestCode: **ICP METALS, TCLP SW1311/6010C**			BatchID: **156627**	Analysis Date: **01/17/2012**	Seq No: **4460825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	11.91	0.0500	5	6.642	105	50	150	11.55	3.08	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		

FLORIDA DEPARTMENT OF HEALTH

State of Florida
Department of Health, Bureau of Laboratories

This is to certify that

E87582

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3785 PRESIDENTIAL PARKWAY
ATLANTA, GA 30340

has complied with Florida Administrative Code 64E-1,
for the examination of Environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2011 Expiration Date: June 30, 2012

Max Salfinger, M.D.
Chief, Bureau of Laboratories
Florida Department of Health
DH Form 1697, 7/04
NON-TRANSFERABLE E87582-17-07/01/2011
Supersedes all previously issued certificates

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 13, 2012

Michael H. Wilson
Peachtree Environmental
5384 Chaversham Lane
Norcross GA 300922167

TEL: (770) 449-6100
FAX: (770) 513-9848

RE: Davidson Kennedy Site

Dear Michael H. Wilson: Order No: 1112360

Analytical Environmental Services, Inc. received 1 samples on 12/5/2011 3:12:00 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' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

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

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

James Forrest
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

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

CHAIN OF CUSTODY

Work Order: 1112360

Date: 12-5 Page 1 of 1

COMPANY	ADDRESS
Peachtree Environmental, Inc	5384 Chaversham LN. Norcross, GA 30092
PHONE: 770.559.8050	FAX: 770.559.8051
SAMPLED BY: Michael Wilson / Jason Chappell	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Benzo (a) Pyrene	(Extract & Hold)	No # of Containers	REMARKS
1	DLC-1111-DK28 - 8-10'	11-21-11	1640	X		SO	X		1	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

ANALYSIS REQUESTED

PRESERVATION (See codes)

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:	12-5-11 1512	1:	12/5/11 3:12
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Dawdson Kennady Company
PROJECT #: 3185
SITE ADDRESS: Atlanta, GA
SEND REPORT TO: Michael Wilson
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: PO#: 3185

RECEIPT

Total # of Containers: 1

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

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

SPECIAL INSTRUCTIONS/COMMENTS: Extract & Hold sample until further Notice

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

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 13-Jan-12

Client: Peachtree Environmental
Project: Davidson Kennedy Site
Lab ID: 1112360

Case Narrative

Proceed with analysis of Benzo (a) Pyrene per Michael Wilson on 1/6/12.

PAH Analysis by Method 8270D:

Due to sample matrix, sample 1112360-001A required dilution during analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 13-Jan-12

Client:	Peachtree Environmental	**Client Sample ID:**	DKC-1111-DK28-8-10'
Project Name:	Davidson Kennedy Site	**Collection Date:**	11/21/2011 4:40:00 PM
Lab ID:	1112360-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	1.6		mg/Kg	154900	5	12/07/2011 15:41	NE
Surr: 2-Fluorobiphenyl	76.4	51.9-120		%REC	154900	5	12/07/2011 15:41	NE
Surr: 4-Terphenyl-d14	79.5	60.2-120		%REC	154900	5	12/07/2011 15:41	NE
Surr: Nitrobenzene-d5	64.1	45.6-120		%REC	154900	5	12/07/2011 15:41	NE

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	NC	Not confirmed
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.

Sample/Cooler Receipt Checklist

Client ___Piedmont___ Work Order Number ___1112360___

Checklist completed by ___AJ___ ___12/5/11___
Signature Date

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

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 ___3.7°___ Cooler #2 ____ Cooler #3 ____ Cooler #4 ____ Cooler#5 ____ Cooler #6 ____

Chain of custody present?	Yes ✓	No __	
Chain of custody signed when relinquished and received?	Yes ✓	No __	
Chain of custody agrees with sample labels?	Yes ✓	No __	
Samples in proper container/bottle?	Yes ✓	No __	
Sample containers intact?	Yes ✓	No __	
Sufficient sample volume for indicated test?	Yes ✓	No __	
All samples received within holding time?	Yes ✓	No __	
Was TAT marked on the COC?	Yes ✓	No __	
Proceed with Standard TAT as per project history?	Yes __	No __	Not Applicable ✓

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

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

Adjusted? ________ Checked by ________

Sample Condition: Good ✓ Other(Explain) ________

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

See Case Narrative for resolution of the Non-Conformance.

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

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Peachtree Environmental
Project Name: Davidson Kennedy Site
Workorder: 1112360

ANALYTICAL QC SUMMARY REPORT

BatchID: 154900

Sample ID: **MB-154900** Client ID: Units: **mg/Kg** Prep Date: **12/05/2011** Run No: **210660**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **154900** Analysis Date: **12/05/2011** Seq No: **4403091**

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	0.33	0	0	0	0	0	0	0	0	
Surr: 2-Fluorobiphenyl	1.292	0	1.667	0	77.5	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1.368	0	1.667	0	82.1	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1.330	0	1.667	0	79.8	45.6	120	0	0	0	

Sample ID: **LCS-154900** Client ID: Units: **mg/Kg** Prep Date: **12/05/2011** Run No: **210660**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **154900** Analysis Date: **12/05/2011** Seq No: **4403096**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.310	0.33	1.667	0	78.6	63.4	120	0	0	0	
Surr: 2-Fluorobiphenyl	1.362	0	1.667	0	81.7	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1.531	0	1.667	0	91.8	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1.357	0	1.667	0	81.4	45.6	120	0	0	0	

Sample ID: **1112056-002CMS** Client ID: Units: **mg/Kg-dry** Prep Date: **12/05/2011** Run No: **210660**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **154900** Analysis Date: **12/05/2011** Seq No: **4403104**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.445	0.35	1.784	0	81	51.7	120	0	0	0	
Surr: 2-Fluorobiphenyl	1.444	0	1.784	0	80.9	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1.572	0	1.784	0	88.1	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1.431	0	1.784	0	80.2	45.6	120	0	0	0	

Sample ID: **1112056-002CMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **12/05/2011** Run No: **210660**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **154900** Analysis Date: **12/05/2011** Seq No: **4403107**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.444	0.35	1.785	0	80.9	51.7	120	1.445	0.016	25.3	

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: Peachtree Environmental
Project Name: Davidson Kennedy Site
Workorder: 1112360

ANALYTICAL QC SUMMARY REPORT

BatchID: 154900

Sample ID: **1112056-002CMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **mg/Kg-dry** Prep Date: **12/05/2011** Run No: **210660**
BatchID: **154900** Analysis Date: **12/05/2011** Seq No: **4403107**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	1.438	0	1.785	0	80.5	51.9	120	1.444	0	0	
Surr: 4-Terphenyl-d14	1.593	0	1.785	0	89.3	60.2	120	1.572	0	0	
Surr: Nitrobenzene-d5	1.425	0	1.785	0	79.8	45.6	120	1.431	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		

FLORIDA DEPARTMENT OF HEALTH

State of Florida
Department of Health, Bureau of Laboratories
This is to certify that

E87582

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3785 PRESIDENTIAL PARKWAY
ATLANTA, GA 30340

has complied with Florida Administrative Code 64E-1,
for the examination of Environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2011 Expiration Date: June 30, 2012

Max Salfinger, M.D.
Chief, Bureau of Laboratories
Florida Department of Health
DH Form 1697, 7/04
NON-TRANSFERABLE E87582-17-07/01/2011
Supersedes all previously issued certificates

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 14, 2013

John Martiniere
Peachtree Environmental
3000 Northwoods Parkway, Suite 105
Norcross GA 30071

TEL: (770) 449-6100
FAX: (770) 513-9848

RE: Davidson Kennedy Site

Dear John Martiniere: Order No: 1311735

Analytical Environmental Services, Inc. received 3 samples on 11/8/2013 11:33:00 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' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/15.

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

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

Dorothy deBruyn
Project Manager

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

CHAIN OF CUSTODY

Work Order: 1311735

Date: 11/8/13 Page 1 of 1

COMPANY:	ADDRESS:
PEACHTREE ENVIRONMENTAL	3000 NORTHWOODS PKWY SUITE 105 NORCROSS, GEORGIA
PHONE: 770-449-6100	FAX: 770-449-6119
SAMPLED BY: JASON P. CHAPPELL	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Lead	Arsenic	Chromium	REMARKS	No # of Containers
							PRESERVATION (See codes)				
							-	-	-		
1	DK-1113-DK-19A-4'	11/8/13	9:15	✓		SO		✓			1
2	DK-1113-DK-21A-4'	11/8/13	10:00	✓		SO	✓				1
3	DK-1113-DK-43A-4'	11/8/13	11:00	✓		SO			✓		1
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

ANALYSIS REQUESTED

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:	11/8/13 11:33	1:	11/8/13 11:33
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: DAVIDSON-KENNEDY
PROJECT #: 3185
SITE ADDRESS: ATLANTA, GEORGIA
SEND REPORT TO: John Martiniere
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers

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

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

SPECIAL INSTRUCTIONS/COMMENTS:

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

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 14-Nov-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-1113-DK-19A-4'
Project Name:	Davidson Kennedy Site	**Collection Date:**	11/8/2013 9:15:00 AM
Lab ID:	1311735-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Arsenic	BRL	5.77		mg/Kg-dry	183454	1	11/13/2013 13:46	JL
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R255723	1	11/13/2013 10:00	EH

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	NC	Not confirmed
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:** 14-Nov-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-1113-DK-21A-4'
Project Name:	Davidson Kennedy Site	**Collection Date:**	11/8/2013 10:00:00 AM
Lab ID:	1311735-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	69.7	5.71		mg/Kg-dry	183454	1	11/13/2013 13:50	JL
PERCENT MOISTURE D2216								
Percent Moisture	19.4	0		wt%	R255723	1	11/13/2013 10:00	EH

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	NC	Not confirmed
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:** 14-Nov-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-1113-DK-43A-4'
Project Name:	Davidson Kennedy Site	**Collection Date:**	11/8/2013 11:00:00 AM
Lab ID:	1311735-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Chromium	68.7	2.73		mg/Kg-dry	183454	1	11/13/2013 13:54	JL
PERCENT MOISTURE D2216								
Percent Moisture	15.4	0		wt%	R255723	1	11/13/2013 10:00	EH

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	NC	Not confirmed
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.

Sample/Cooler Receipt Checklist

Client Peachtree Env Work Order Number 1311735

Checklist completed by [signature] 11/9/13
Signature Date

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

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

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

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

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.2° Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

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

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

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

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

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: Peachtree Environmental
Project Name: Davidson Kennedy Site
Workorder: 1311735

ANALYTICAL QC SUMMARY REPORT

BatchID: 183454

Sample ID: **MB-183454** Client ID: Units: **mg/Kg** Prep Date: **11/11/2013** Run No: **255537**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **183454** Analysis Date: **11/11/2013** Seq No: **5366223**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Chromium	BRL	2.50									
Lead	BRL	5.00									

Sample ID: **LCS-183454** Client ID: Units: **mg/Kg** Prep Date: **11/11/2013** Run No: **255537**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **183454** Analysis Date: **11/11/2013** Seq No: **5366217**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	44.24	5.00	50.00		88.5	80	120				
Chromium	46.37	2.50	50.00	0.1020	92.5	80	120				
Lead	45.00	5.00	50.00		90.0	80	120				

Sample ID: **1311534-001BMS** Client ID: Units: **mg/Kg-dry** Prep Date: **11/11/2013** Run No: **255537**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **183454** Analysis Date: **11/11/2013** Seq No: **5366227**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	73.91	8.82	88.16	0.6297	83.1	75	125				
Chromium	86.50	4.41	88.16	8.923	88.0	75	125				
Lead	70.44	8.82	88.16	1.520	78.2	75	125				

Sample ID: **1311534-001BMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **11/11/2013** Run No: **255537**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **183454** Analysis Date: **11/11/2013** Seq No: **5366229**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	72.84	8.80	88.03	0.6297	82.0	75	125	73.91	1.45	20	
Chromium	86.05	4.40	88.03	8.923	87.6	75	125	86.50	0.522	20	
Lead	69.24	8.80	88.03	1.520	76.9	75	125	70.44	1.71	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		

APPENDIX C

NOVEMBER 2013 SOIL BORING LOGS

Project No.	3185	**Soil Boring/ Well ID**	**DK-19A**
Site Location	Atlanta, Georgia	**Date Started**	11/8/2013
Client	Davidson-Kennedy	**Date Completed**	11/8/2013

Drilling Company	EM Services	**Soil Sampling Method**	Direct Push	**Well Screen/Riser Type**	NA
Drilling Method	Direct Push	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC	**Estimated Groundwater**	NA	**Temporary/Stick-Up/Flush**	NA

Depth (feet)	Sample ID	% Recovery	Well Construction	PID Meter Response (ppm)	Soil Description and Strata Depth	Analysis	Comments
0					CONCRETE SURFACE		
					0 - 7 feet - Red, orange silty/sandy clay		33^0 42' 26.3"
					very plastic, fine, no odor		84^0 25' 38.0"
2							
4	DK-19A-4					Arsenic	
6							
					7 - 13 feet - Orange, red, silty clay		
8	DK-19A-8				slightly mottled with foliation, no odor	Sample on Hold	
10							
12	DK-19A-12					Sample on Hold	
					Same as above with defined foliation (saprolitic) and micaceous		
14					no odor		
	DK-19A-15					Sample on Hold	
					Boring terminated @ 15ft		
16					-backfilled w/soil cuttings		
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**DK-21A**
Site Location	Atlanta, Georgia	**Date Started**	11/8/2013
Client	Davidson-Kennedy	**Date Completed**	11/8/2013

Drilling Company	EM Services	**Soil Sampling Method**	Direct Push	**Well Screen/Riser Type**	NA
Drilling Method	Direct Push	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC	**Estimated Groundwater**	NA	**Temporary/Stick-Up/Flush**	NA

Depth (feet)	Sample ID	% Recovery	Well Construction	PID Meter Response (ppm)	Soil Description and Strata Depth	Analysis	Comments
0					CONCRETE SURFACE		
					0 - 5 feet - Surface voids followed by red, orange silty/sandy clay		33^0 42' 26.4"
					very little recovery to 5 feet		84^0 25' 36.3"
2							
4	DK-21A-4					Lead	
					5 - 12 feet - Orange, red, silty clay		
6					fine to medium with some coarse fragments, no odor		
8	DK-21A-8					Sample on Hold	
10							
12	DK-21A-12				12 - 15 feet - Brown, tan, silty sand, fine to medium with	Sample on Hold	
					defined foliation (saprolitic), micaceous, no odor		
14							
	DK-21A-15					Sample on Hold	
16					Boring terminated @ 15ft		
					-backfilled w/soil cuttings		
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**DK-43A**
Site Location	Atlanta, Georgia	**Date Started**	11/8/2013
Client	Davidson-Kennedy	**Date Completed**	11/8/2013

Drilling Company	EM Services	**Soil Sampling Method**	Direct Push	**Well Screen/Riser Type**	NA
Drilling Method	Direct Push	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC	**Estimated Groundwater**	NA	**Temporary/Stick-Up/Flush**	NA

Depth (feet)	Sample ID	% Recovery	Well Construction	PID Meter Response (ppm)	Soil Description and Strata Depth	Analysis	Comments
0					GRASS COVER		
					- 5 feet - Gravel followed by dark brown organic soils and roots		33^{0} 42' 25.3"
					brown sand and silt, medium, no odor		84^{0} 25' 34.8"
2							
4	DK-43A-4					Chromium	
					5 - 15 feet - orange, red, silty clay		
6					fine to medium, no odor		
8	DK-43A-8					Sample on Hold	
10							
12	DK-43A-12				Same as above	Sample on Hold	
14							
	DK-43A-15					Sample on Hold	
					Boring terminated @ 15ft		
16					-backfilled w/soil cuttings		
18							
20							