FOURTH (4TH) SEMI-ANNUAL PROGRESS REPORT
FOR THE
DAVIDSON-KENNEDY COMPANY FACILITY
1195 VICTORY DRIVE
ATLANTA, FULTON COUNTY, GEORGIA©
HSI#10866

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THE INFORMATION CONTAINED IN THIS REPORT TITLED
"FOURTH (4TH) SEMI-ANNUAL PROGRESS REPORT
FOR THE
DAVIDSON-KENNEDY COMPANY FACILITY
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IS INTENDED FOR THE
USE OF DAVIDSON-KENNEDY COMPANY, THEIR OFFICERS
AND DESIGNEES
AND THE
GEORGIA DEPARTMENT OF NATURAL RESOURCES

Project No. 3185

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JUNE 2013

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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**.

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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. The August 2007 soil analytical results are summarized in **Table 1**.

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. Soil sampling methodology, decontamination procedures, and laboratory methods are detailed in Section 2.4. 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 has provided responses to the above comments in the attached cover letter, dated June 30, 2013.

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 November 2011 On-Property Horizontal 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. 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. A map showing prior sample locations from Kemron, EPD, and Peachtree's November 2011 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 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.

ARSENIC
Delineation criteria of 20 mg/kg was exceeded in one (1) of the 35 delineation soil borings (DK-19) on the Property.

CHROMIUM
Delineation criteria of 100 mg/kg was exceeded in one (1) of the 35 delineation soil borings (DK-43) on the Property.

BARIUM, CADMIUM, CHROMIUM, 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 data summaries of detected metals are presented on **Figure 5** and summarized on **Table 2**.

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.

Analytical data summaries of detected PAHs are presented on **Figure 6** and summarized on **Table 3**. Full copies of the analytical data reports from the November 2011 horizontal delineation sampling were previously included in Appendix F of the 1st Semi-Annual Progress Report dated December 2011.

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. EPD is currently reviewing the Geostatistical Soils Evaluation report.

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 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.

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. The May 2012 off-property soil sample locations and results are presented on **Figure 7.** 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 June 2013, based on the May 2013 detection of Benzo(a)pyrene at SB-5 in the surficial soil sample above the Type 1 RRS of 1.64 mg/kg, a horizontal delineation boring was installed and sampled to the east of SB-5. The May and June 2013 soil sample locations are presented on **Figure 8**. Sample results are discussed further in section 3.2 and 3.3 of this report.

2.4.1 Soil Sampling Methodology

Stainless steel hand auger sampling methods were used to collect the off-property 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. 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.

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, latitude, longitude, and comments. Soil boring logs are included in **Appendix B**.

Soil samples were collected according to the general rationale described in this section. Samples for laboratory analysis were collected in the surface (0 to 2 ft-bgs) and deeper intervals to delineate prior sample locations exceeding delineation criteria in the same soil horizon.

2.4.2 Sample Handling and Preservation Techniques

Soil samples were collected via stainless steel hand auger. The surface interval sample was advanced to approximately 2 ft-bgs and withdrawn from the borehole. Subsequently, the depth interval of 0 to 2 ft-bgs was collected and placed into one (1) pre-labeled, 4 ounce, un-preserved laboratory container. The deeper samples were collected by auguring to approximately 1 ft-bgs above the desired sample depth, then replacing the hand auger bucket with a decontaminated one to collect the final depth interval. The entire hand auger sampling array was properly decontaminated between each soil boring location. 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.

2.4.3 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.

2.4.4 Laboratory Methods

Analyses were performed by AES in accordance with US-EPA Standard Methods. Laboratory samples were submitted for Lead analysis via Method 6010B and PAHs analysis via 8270C. 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. 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 are presented on **Table 4** and summarized on **Figure 7**. Copies of the May 2012 laboratory analytical data report were included in Appendix D of 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 are summarized on **Table 5**. The February/April 2011 background study analytical results (and statistical analysis) and May/June 2013 analytical results are summarized on **Table 6** and **7**, respectively. The soil sample locations, analytical results, and horizontal extent contours are illustrated on **Figure 9**.

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. As depicted on **Figure 7**, 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 are summarized on **Table 7** and presented on **Figure 9**. Copies of the May and June 2013 laboratory analytical data report are included in **Appendix C**.

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. As depicted on **Figure 7**, 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') – Benzo(a)pyrene Result: <0.41 mg/kg
- SB-2-(0-2') – Benzo(a)pyrene Result: <0.41 mg/kg
- SB-3-(0-2') – Benzo(a)pyrene Result: <0.41 mg/kg

- SB-4-(0-2') – Benzo(a)pyrene Result: <0.52 mg/kg
- SB-5-(0-2') – Benzo(a)pyrene Result: 44 mg/kg
- SB-6-4' – Benzo(a)pyrene Result: <0.39 mg/kg
- SB-7-8' – Benzo(a)pyrene Result: <0.39 mg/kg
- SB-8-4' – Benzo(a)pyrene Result: <0.39 mg/kg
- SB-9-(0-2') – 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 are summarized on **Table 8** and presented on **Figure 10A** (less than 2 ft-bgs) and **Figure 10B** (greater than 2 ft-bgs). 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 are included as **Figures 11A-B, 12A-B, 13A-B, 14A-B,** and **15A-B**, respectively. Copies of the May and June 2013 laboratory analytical data report are included in **Appendix C**.

3.4 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. The vertical extent of soil impacts and updated Conceptual Site Model will be provided in the next semiannual report, due December 30, 2013.

3.5 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 to 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 May and June 2013 horizontal soil delineation sampling results, onsite soils have been horizontally delineated to applicable standards for Lead 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 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.The proposed corrective action at the Property will involve excavation and off-site disposal of impacted soils above the approved soil cleanup level. A more detailed work plan for corrective action activities will be prepared and submitted in a future report upon EPD's concurrence with the aforementioned Kriging 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 December 30, 2013.

TABLES

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

TABLE 1
AUGUST 2007 SOIL ANALYTICAL RESULTS

SAMPLE DESIGNATION	DK-1		DK-2		DK-6		DK-7		DK-8		DK-9	
SAMPLE DATE	8/27/2007		8/27/2007		8/27/2007		8/27/2007		8/27/2007		8/27/2007	
ANALYTES	LABORATORY RESULTS (MG/KG)											
RCRA Metals	Kemron	EPD	Kemron	EPD	Kemron	EPD	Kemron	EPD	Kemron	EPD	Kemron	EPD
Arsenic	**27.3**	<80	**27.4**	<80	<8.06	11	<5.63	9.9	<4.31	10	13.2	<80
Barium	160	200	155.0	240	129	120	92.3	100	183	200	160	180
Cadmium	<1.94	<100	<2.68	<100	<4.03	<10	<2.82	<10	<2.15	<100	<2.99	<100
Chromium	64	74	38.8	48	56.5	<2	45.4	53	<42.1	49	89.6	**100**
Lead	**543**	**1,200**	**434**	**750**	**468**	**330**	**244**	**260**	**419**	**420**	**1,060**	**1,300**
Mercury	<0.136	NT	<0.153	NT	<0.185	NT	0.161	NT	<0.114	NT	<0.131	NT
TCL Semivolatile Organics	LABORATORY RESULTS (MG/KG)											
2-Methylnaphthalene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Acenaphthene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Acenaphthylene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Anthracene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Benz(a)anthracene	<2.3	1.8	2	1.8	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	2.6
Benzo(a)pyrene	<2.3	1.4	**2.3**	1.6	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	2.2	1.5
Benzo(b)fluoranthene	<2.3	2	3	2.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	2.2	2.1
Benzo(g,h,i)perylene	<2.3	<1.1	2	1.3	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Benzo(k)fluoranthene	<2.3	1.7	<1.9	1.6	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	1.8
Bis(2-ethylhexyl)phthalate	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Carbazole	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Chrysene	<2.3	2	2.4	2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	2.6
Dibenz(a,h)anthracene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Dibenzofuran	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Fluoranthene	<2.3	3.4	3.1	3.5	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	2.8	5.7
Fluorene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Indeno(1,2,3-cd)pyrene	<2.3	1.2	2	1.4	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Naphthalene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	<1.2
Phenanthrene	<2.3	<1.1	<1.9	<1.2	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	<2.2	2.8
Pyrene	2.7	3.4	4.3	4	<3.0	<2.0	<2.2	<1.3	<1.9	<1.2	2.8	4.7

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TABLE 1
AUGUST 2007 SOIL ANALYTICAL RESULTS

SAMPLE DESIGNATION	DK-10		DK-11		DK-12		DK-13		DK-14	
SAMPLE DATE	8/27/2007		8/27/2007		8/27/2007		8/27/2007		8/27/2007	
ANALYTES	LABORATORY RESULTS (MG/KG)									
RCRA Metals	Kemron	EPD	Kemron	EPD	Kemron	EPD	Kemron	EPD	Kemron	EPD
Arsenic	<6.82	<80	<4.42	<80	**53.6**	**83**	**20**	**160**	<3.62	<8
Barium	253.0	180	74.2	110	526	700	105	180	**2310**	**2500**
Cadmium	<3.41	<100	<2.21	<100	**4.64**	<100	**5.78**	<100	<1.81	<10
Chromium	80.6	96	32.4	45	74.9	**140**	44	120	96.9	**160**
Lead	**306**	**1200**	**228**	**280**	**1070**	**1900**	**558**	**1500**	**291**	**420**
Mercury	**3.68**	NT	0.126	NT	<0.120	NT	<0.138	NT	<0.119	NT
TCL Semivolatile Organics	LABORATORY RESULTS (MG/KG)									
2-Methylnaphthalene	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Acenaphthene	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Acenaphthylene	3.8	<12	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Anthracene	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Benz(a)anthracene	**5.8**	<12.0	2.7	2.20	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Benzo(a)pyrene	**11**	**13**	**2.5**	**1.7**	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Benzo(b)fluoranthene	**14**	**15**	2.9	1.80	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Benzo(g,h,i)perylene	10	12	2.2	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Benzo(k)fluoranthene	4.8	<12.0	<2.1	1.50	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Bis(2-ethylhexyl)phthalate	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Carbazole	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Chrysene	**7.9**	<12.0	2.7	2.10	<2.0	<1.2	<1.9	1.3	<2.0	<1.1
Dibenz(a,h)anthracene	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Dibenzofuran	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Fluoranthene	7.7	17	5.7	5	<2.0	<1.2	<1.9	2.4	<2.0	<1.1
Fluorene	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Indeno(1,2,3-cd)pyrene	**9**	13	<2.1	1.3	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Naphthalene	<2.5	<12.0	<2.1	<1.2	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Phenanthrene	<2.5	<12.0	2.9	2.4	<2.0	<1.2	<1.9	<1.2	<2.0	<1.1
Pyrene	13	22	5.6	4.3	<2.0	<1.2	<1.9	2.0	<2.0	<1.1

NOTES:

NT - Indicates that constituent not analyzed in sample from boring location.
Concentrations in **bold** exceed the applicable Type 1 RRS.
Lead concentrations in **bold** exceed the applicable anthropogenic background concentration of 224 mg/kg.

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TABLE 2
NOVEMBER 2011 SOIL ANALYTICAL RESULTS
TOTAL METALS

Sample Designation	Sample Date	Depth (ft.)	Lead	Arsenic	Barium	Cadmium	Chromium	Mercury
			Analytical Results (mg/kg)					
DK-15	11/22/2011	0.5	124	-	-	-	-	-
DK-16	11/22/2011	0.5	364	-	-	-	-	-
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	-
DK-20	11/22/2011	0.5	48.5	<6.05	-	<2.42	26.8	-
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	-	-	-	-	0.427
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	-	-	<2.22	-	-
DK-35	11/21/2011	0.5	292	-	-	<2.08	-	-
DK-36	11/21/2011	0.5	98.0	-	-	<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	33.0	-
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	115	-
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	-	-	-	-	-
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	-	-	-	-	-

NOTES:

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

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

TABLE 3
NOVEMBER 2011 SOIL ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS

Sample Designation	Sample Date	Depth (ft.)	Benzo(a)pyrene	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Indeno(1,2,3-cd)perylene
			Analytical Results (mg/kg)				
DK-27	11/21/2011	0.5	0.59	-	-	-	-
DK-28	11/21/2011	0.5	4.20	-	-	-	-
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

NOTES:

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

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

TABLE 4
MAY 2012 OFF-PROPERTY HORIZONTAL SOIL DELINEATION DATA SUMMARY
TOTAL LEAD

Sample Designation	Sample Date	Depth (ft.)	Total Lead Analytical Results (mg/kg)
OS-1-1	5/25/2012	0.5	220
OS-1-3	5/25/2012	3.0	15.8
OS-2-1	5/25/2012	0.5	36.6
OS-2-3	5/25/2012	3.0	15.5
OS-3-1	5/25/2012	0.5	26.1
OS-3-3	5/25/2012	3.0	15.1
OS-4-1	5/25/2012	0.5	98.9
OS-4-3	5/25/2012	3.0	12.0

NOTES:

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

TABLE 5
KEMRON 2005 SOIL ANALYTICAL RESULTS - TOTAL METALS

Sample Location	Depth (ft)	Date Sampled	Arsenic (mg/Kg)	Barium (mg/Kg)	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Mercury (mg/Kg)
TMW-1A	0.5	7/25/2005	<3.34	136.0	<1.67	84.0	39.0	<3.34	<1.67	<0.0998
TMW-10	0.5	8/23/2005	<3.87	51.5	<1.93	39.4	28.4	<3.87	<1.93	<0.199
HA-3A	0.5	7/26/2005	4.58	115.0	<1.71	74.9	202.0	<3.42	<1.71	<0.0988
HA-4A	0.5	7/27/2005	<4.85	107.0	<2.42	25.7	180.0	<4.85	<2.42	<0.0996
HA-5A	0.5	7/26/2005	<2.97	72.8	<1.48	10.3	50.8	<2.97	<1.48	<0.098
HA-6A	0.5	7/27/2005	<4.36	139.0	<2.18	141.0	106.0	<4.36	<2.18	<0.0992
HA-14A	0.5	7/27/2005	7.28	124.0	<2.37	65.4	161.0	<4.73	<2.37	<0.0988
HA-15A	0-5	7/27/2005	<3.83	65.6	<1.91	35.9	50.4	<3.83	<1.91	<0.0994
BH-2	0-5	8/24/2005	15.1	95.2	<2.04	28.4	219.0	<4.07	<2.04	<0.0984
BH-4	0-5	8/23/2005	40.9	108	<2.07	36.3	163.0	<4.14	<2.07	<0.199
BH-5	0.5	8/24/2005	2.86	34.2	<1.42	22.5	18.5	<2.84	<1.42	<0.0986
BH-6	0-5	8/24/2005	<3.34	75	<1.67	37.3	50.3	<3.34	<1.67	0.107
BH-7	0.5	8/24/2005	<4.31	88.7	<2.15	28.7	87.3	<4.31	<2.15	0.127
BH-8	0-5	8/24/2005	17	111	<1.94	51.8	151	<3.87	<1.94	0.142
BH-9	0.5	8/24/2005	3.76	174	<1.48	51.9	**303**	<2.96	<1.48	<0.0998
BH-10	0-5	8/24/2005	<4.15	199	<2.07	52.1	**350**	<4.15	<2.07	<0.0975

BRL = Below Reporting Limits NA = Not Applicable

Note: RCRA Metals concentrations were BRL except for those noted above.

Soil samples summarized above represent 2005 samples remaining outside of excavation areas.

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

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

TABLE 5
KEMRON 2005 SOIL ANALYTICAL RESULTS - TOTAL METALS

Sample Location	Depth (ft)	Date Sampled	Arsenic (mg/Kg)	Barium (mg/Kg)	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Mercury (mg/Kg)
GP-1	0.5	8/24/2005	NA	NA	NA	NA	**307**	NA	NA	NA
GP-3	0.5	8/24/2005	NA	NA	NA	NA	**342**	NA	NA	NA
GP-4	0.5	8/24/2005	NA	NA	NA	NA	**278**	NA	NA	NA
GP-8	0.5	8/24/2005	NA	NA	NA	NA	74.9	NA	NA	NA
GP-9	0.5	8/25/2005	NA	NA	NA	NA	126	NA	NA	NA
GP-17	0.5	8/25/2005	NA	NA	NA	NA	140	NA	NA	NA
GP-18	0.5	8/25/2005	NA	NA	NA	NA	**325**	NA	NA	NA
GP-20	0.5	8/25/2005	NA	NA	NA	NA	166	NA	NA	NA
GP-22	0.5	8/25/2005	NA	NA	NA	NA	**305**	NA	NA	NA
GP-27	0.5	8/25/2005	NA	NA	NA	NA	19	NA	NA	NA
GP-29	0.5	8/25/2005	NA	NA	NA	NA	**254**	NA	NA	NA
GP-30A	0-5	8/25/2005	NA	NA	NA	NA	70.7	NA	NA	NA

BRL = Below Reporting Limits NA = Not Applicable

Note: RCRA Metals concentrations were BRL except for those noted above.

Soil samples summarized above represent 2005 samples remaining outside of excavation areas.

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

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

TABLE 5
KEMRON 2005 SOIL ANALYTICAL RESULTS - TOTAL METALS

Sample Location	Depth (ft)	Date Sampled	Arsenic (mg/Kg)	Barium (mg/Kg)	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Mercury (mg/Kg)
GP-36	0.5	8/25/2005	NA	NA	NA	NA	**309**	NA	NA	NA
GP-42B	0.5	8/25/2005	NA	NA	NA	NA	100	NA	NA	NA
GP-56A	0.5	8/25/2005	NA	NA	NA	NA	222	NA	NA	NA
GP-60	0.5	8/25/2005	NA	NA	NA	NA	208	NA	NA	NA
GP-61A	0.5	8/25/2005	NA	NA	NA	NA	189	NA	NA	NA
GP-62	0.5	8/25/2005	NA	NA	NA	NA	**356**	NA	NA	NA
GP-63	0.5	8/25/2005	NA	NA	NA	NA	**292**	NA	NA	NA
GP-69	0.5	8/25/2005	NA	NA	NA	NA	187	NA	NA	NA
GP-70	0.5	8/25/2005	NA	NA	NA	NA	84.3	NA	NA	NA
GP-72A	0.5	8/25/2005	NA	NA	NA	NA	20.6	NA	NA	NA
GP-73A	0.5	8/25/2005	NA	NA	NA	NA	36	NA	NA	NA
GP-76	0.5	8/26/2005	NA	NA	NA	NA	189	NA	NA	NA
GP-77	0.5	8/26/2005	NA	NA	NA	NA	102	NA	NA	NA
GP-82A	0.5	8/26/2005	NA	NA	NA	NA	129	NA	NA	NA
GP-83	0.5	8/26/2005	NA	NA	NA	NA	<4.63	NA	NA	NA
GP-87	0.5	8/26/2005	NA	NA	NA	NA	**360**	NA	NA	NA

BRL = Below Reporting Limits NA = Not Applicable

Note: RCRA Metals concentrations were BRL except for those noted above.

Soil samples summarized above represent 2005 samples remaining outside of excavation areas.

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

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

TABLE 6
FEBRUARY -APRIL 2011 BACKGROUND STUDY ANALYTICAL RESULTS

SAMPLE POINT	VRP DELINEATION CRITERIA (TYPE 1 RRS)	BG-1	BG-2	BG-3	BG-4	BG-5	BG-6	BG-7	BG-8	BG-9	BG-10	Arithmetic Mean Background Concentration (mg/kg)	Standard Deviation Concentration (mg/kg)	Background = Mean + 2 Standard Deviations (mg/kg)	Highest Detected (mg/kg)	Range of Background Concentrations (mg/kg) - Highest Detected to Mean + 2 Standard Deviations
SAMPLE DATE		02/21/11	02/21/11	02/21/11	02/21/11	02/21/11	04/06/11	04/06/11	04/06/11	04/06/11	04/06/11					
SAMPLE DEPTH		0.5 FT	0.5 FT	0.5 FT	0.5 FT	0.5 FT	0.5 FT	0.5 FT	0.5 FT	0.5 FT	0.5 FT					
ANALYTES		ANALYTICAL RESULTS (MG/KG)														
Arsenic	20	**17.4**	**12.3**	**20.8**	5.76	**8.27**	5.58	5.47	5.66	5.84	5.39	**9.25**	**5.67**	**20.59**	**20.80**	**20.59 - 20.80**
Barium	1,000	**87.2**	**121.0**	**116.0**	**61.3**	**59.0**	**74.7**	**79.6**	**58.2**	**73.6**	**142.0**	**87.26**	**29.21**	**145.69**	**142.00**	**142.00 - 145.69**
Cadmium	2	3.28	2.92	2.90	2.88	3.16	2.23	2.19	2.26	2.33	2.16	**2.63**	**0.44**	**3.51**	**3.28**	**3.28 - 3.51**
Chromium	100	**31.7**	**38.1**	**54.9**	**36.0**	**57.4**	**30.9**	**31.8**	**60.9**	**55.7**	**68.7**	**46.61**	**14.27**	**75.16**	**68.70**	**68.70 - 75.16**
Lead	75	**109.0**	**43.9**	**95.8**	**32.9**	**36.1**	**210.0**	**187.0**	**89.8**	**64.3**	**406.0**	**127.48**	**114.97**	**357.42**	**406.00**	**357.42 - 406.00**
Selenium	2	6.55	5.85	5.79	5.76	6.32	8.93	4.38	9.06	9.34	4.31	**6.63**	**1.86**	**10.35**	**9.34**	**9.34 - 10.35**
Silver	2	3.28	2.92	2.90	2.88	3.16	2.23	2.19	2.26	2.33	2.16	**2.63**	**0.44**	**3.51**	**3.28**	**3.28 - 3.51**
Mercury	0.5	**0.145**	0.124	0.121	0.115	0.133	0.110	0.108	0.120	0.122	0.116	**0.121**	**0.011**	**0.143**	**0.145**	**0.143 - 0.145**

NOTES:

Bold numbers reported at values exceeding the laboratory detection limit.

Non-bold numbers reported at values less than the laboratory detection limit . Values used in background calculations are therefore expressed as the laboratory detection limit value.

Yellow highlighted calculated background values exceed VRP Type 1 RRS delineation criteria.

Prevailing wind direction derived from Georgia State Climatology Office annual wind statistics (http://climate.engr.uga.edu/wind/atlwindpage.html).

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

TABLE 7
MAY-JUNE 2013 SOIL ANALYTICAL RESULTS
TOTAL LEAD

Sample Designation	Sample Date	Depth (ft.)	Total Lead Analytical Results (mg/kg)
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

NOTES:

None of the soil samples exceeded the background concentration of 224 mg/kg.

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

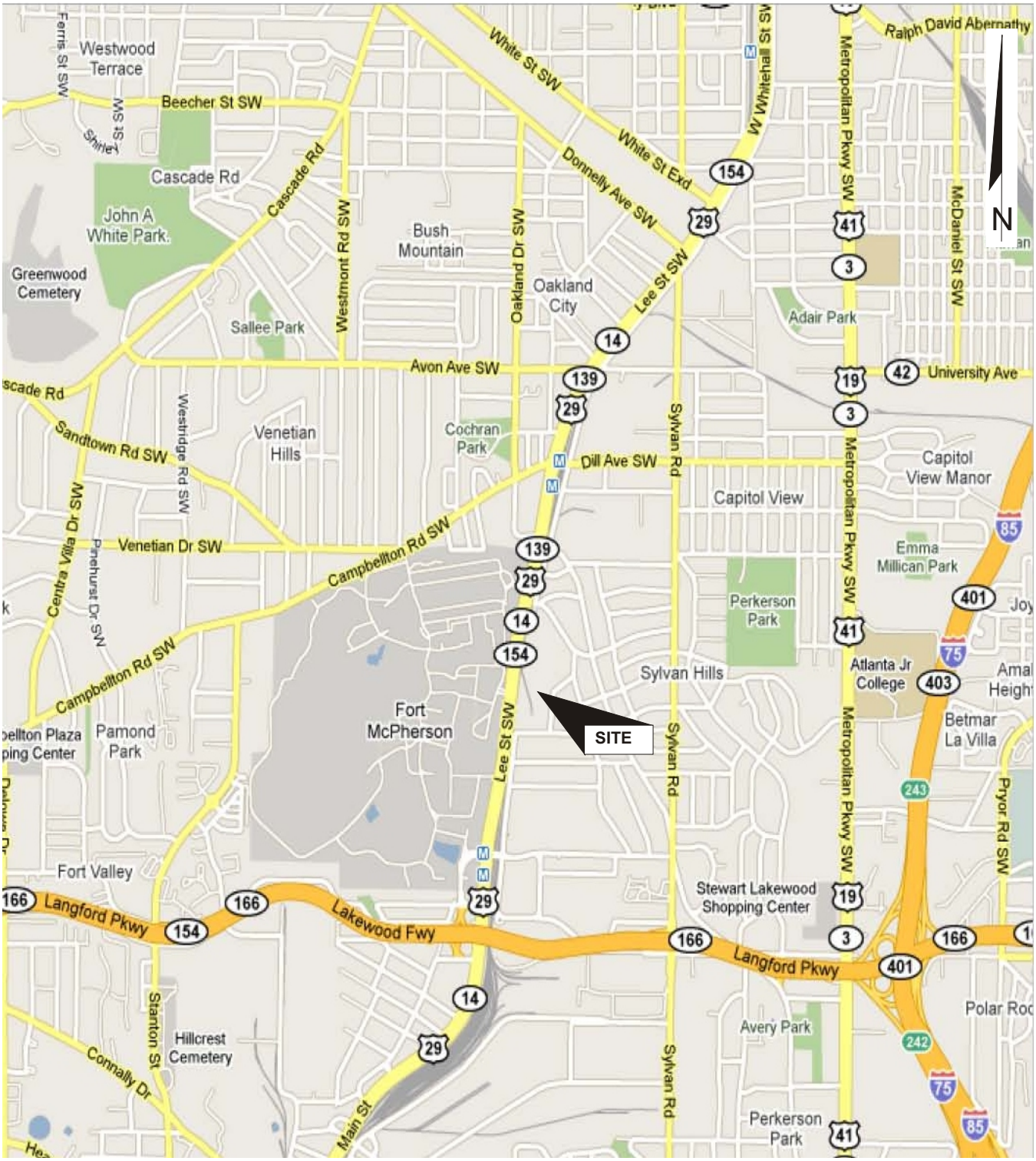
TABLE 8
MAY-JUNE 2013 SOIL ANALYTICAL RESULTS
POLYNUCLEAR AROMATIC HYDROCARBONS

Sample Designation	Sample Date	Depth (ft.)	Benzo(a)pyrene	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Indeno(1,2,3-cd)perylene
			Analytical Results (mg/kg)				
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**	-	-	-	-
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:

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

FIGURES



SCALE: 1" = 2,000 FT

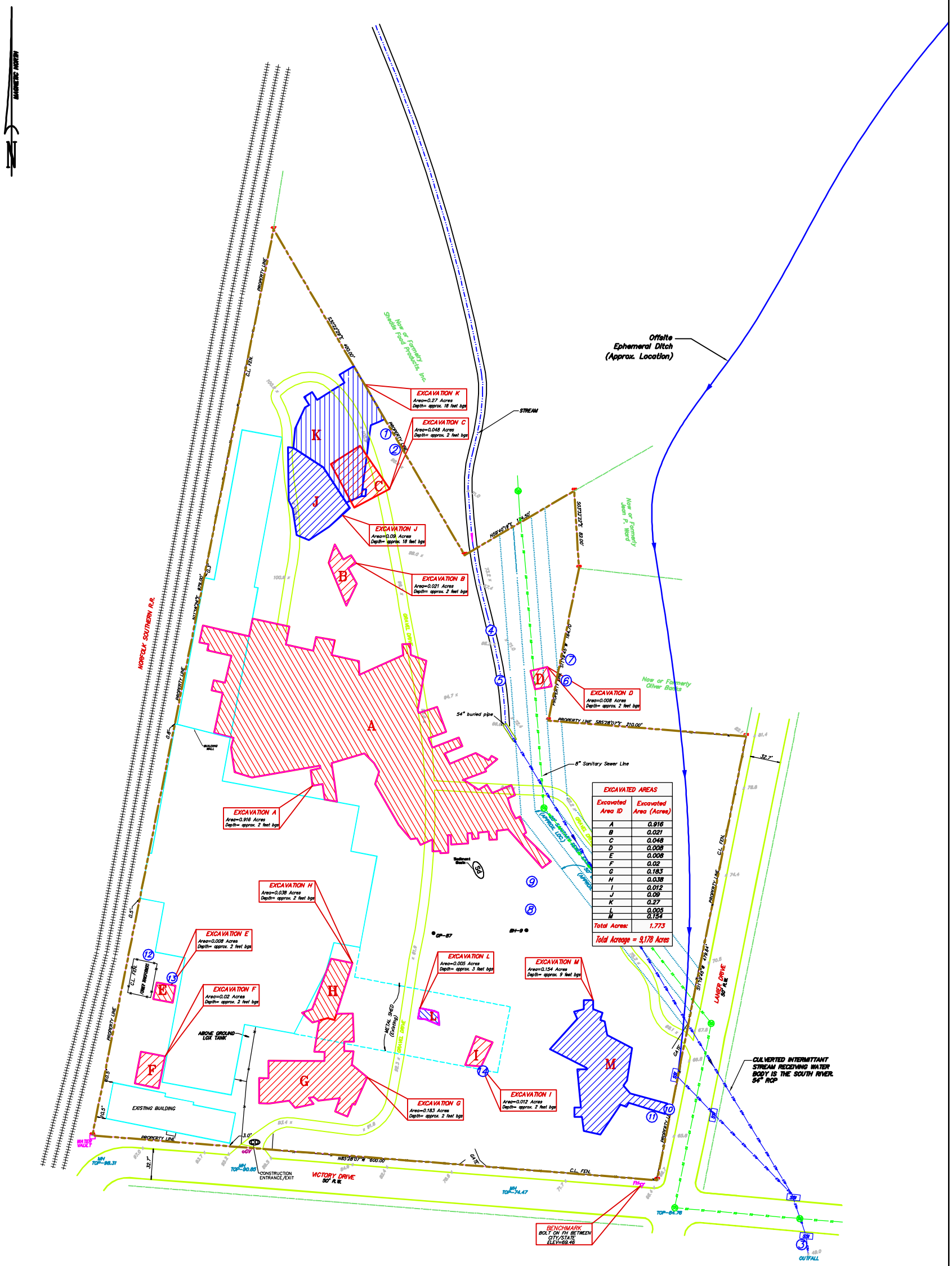
DAVIDSON-KENNEDY COMPANY
ATLANTA, FULTON COUNTY, GEORGIA
HSI#10866

FIGURE 1
PROPERTY LOCATION MAP

FOURTH 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. 2
DAVIDSON-KENNEDY 3185

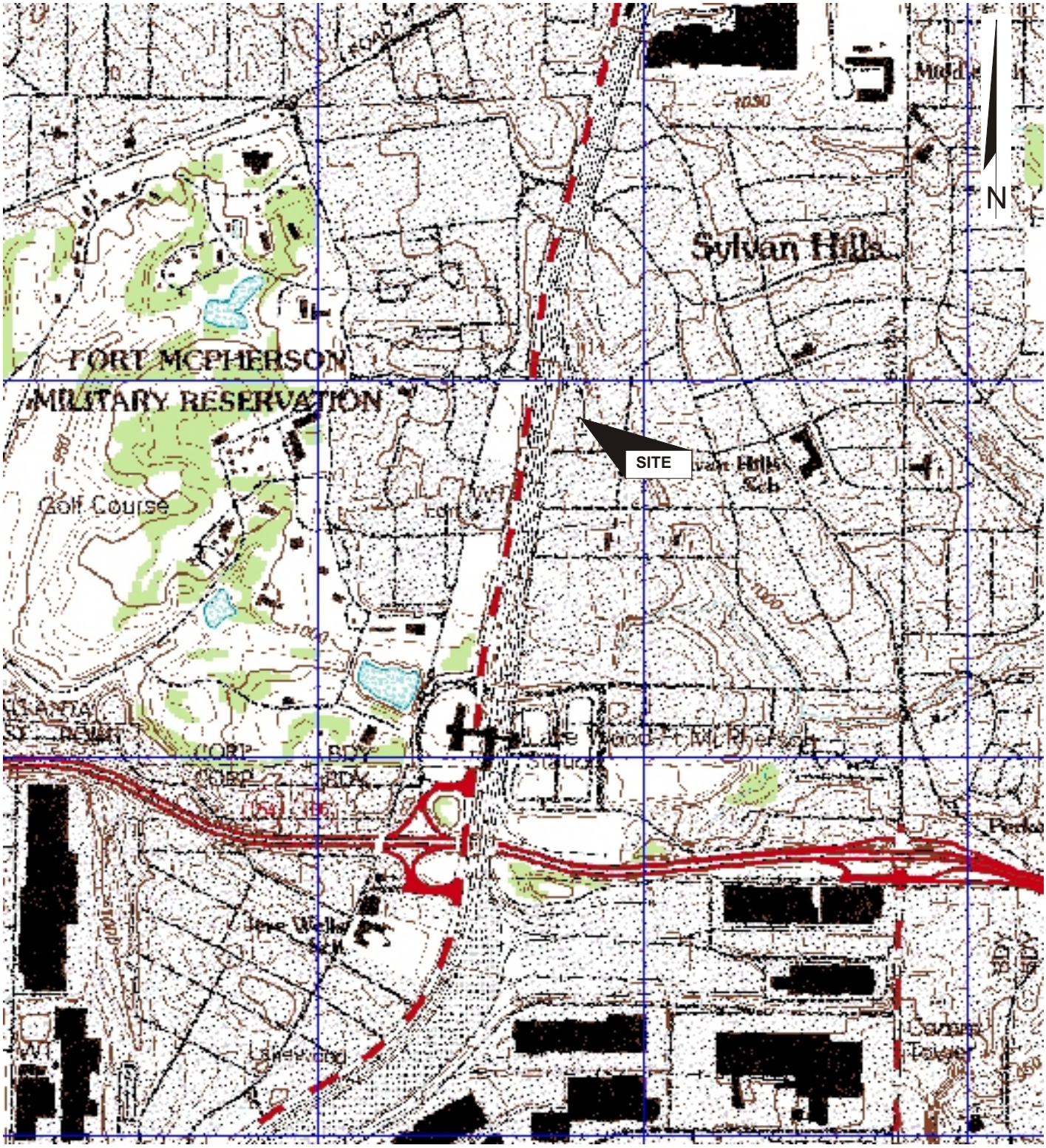
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

PROPERTY LAYOUT MAP

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 6/18/13 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

FOURTH SEMIANNUAL PROGRESS REPORT

QUADRANGLE LOCATION

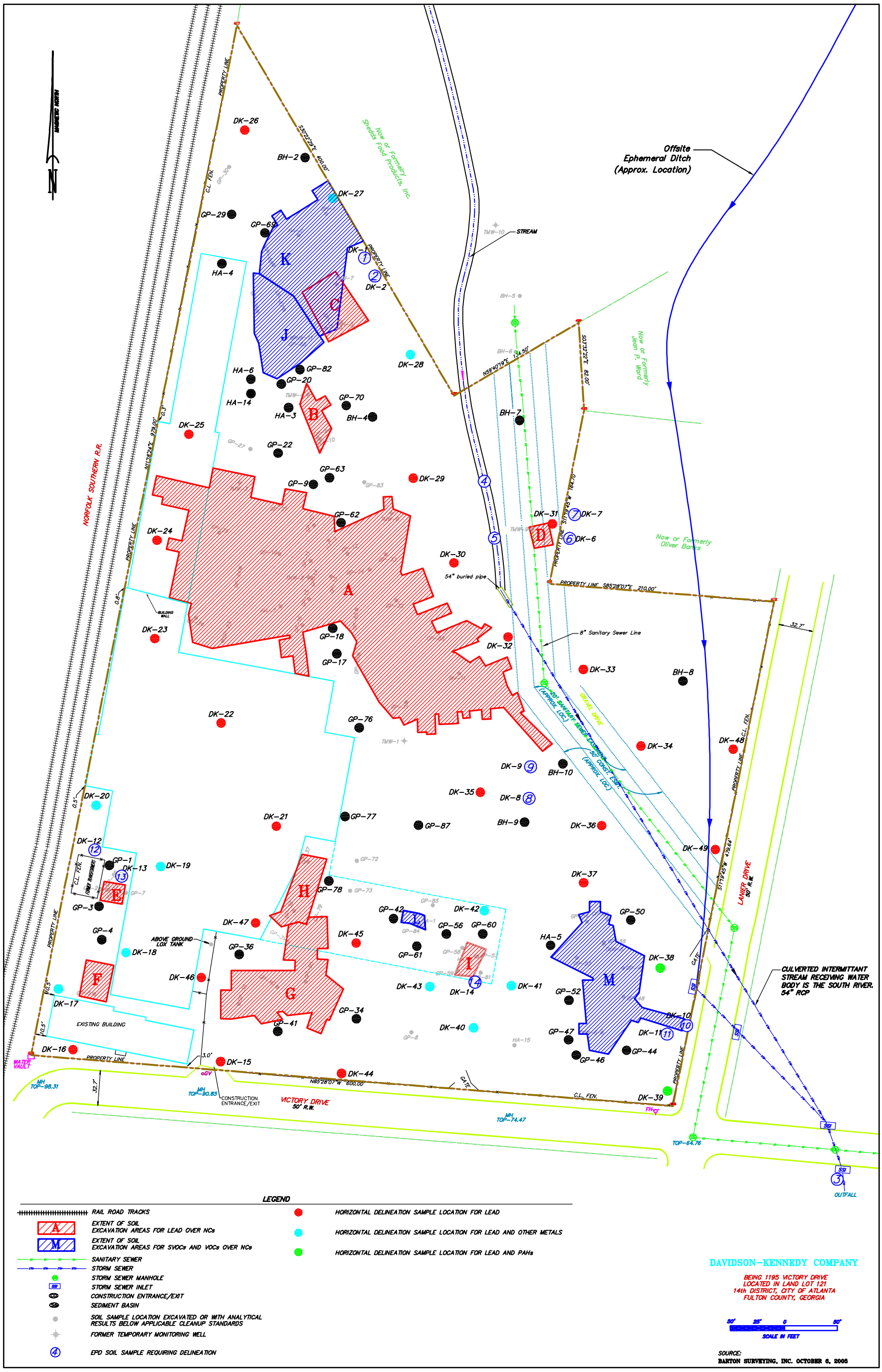


FIGURE NO. **4**

DAVIDSON-KENNEDY 3185

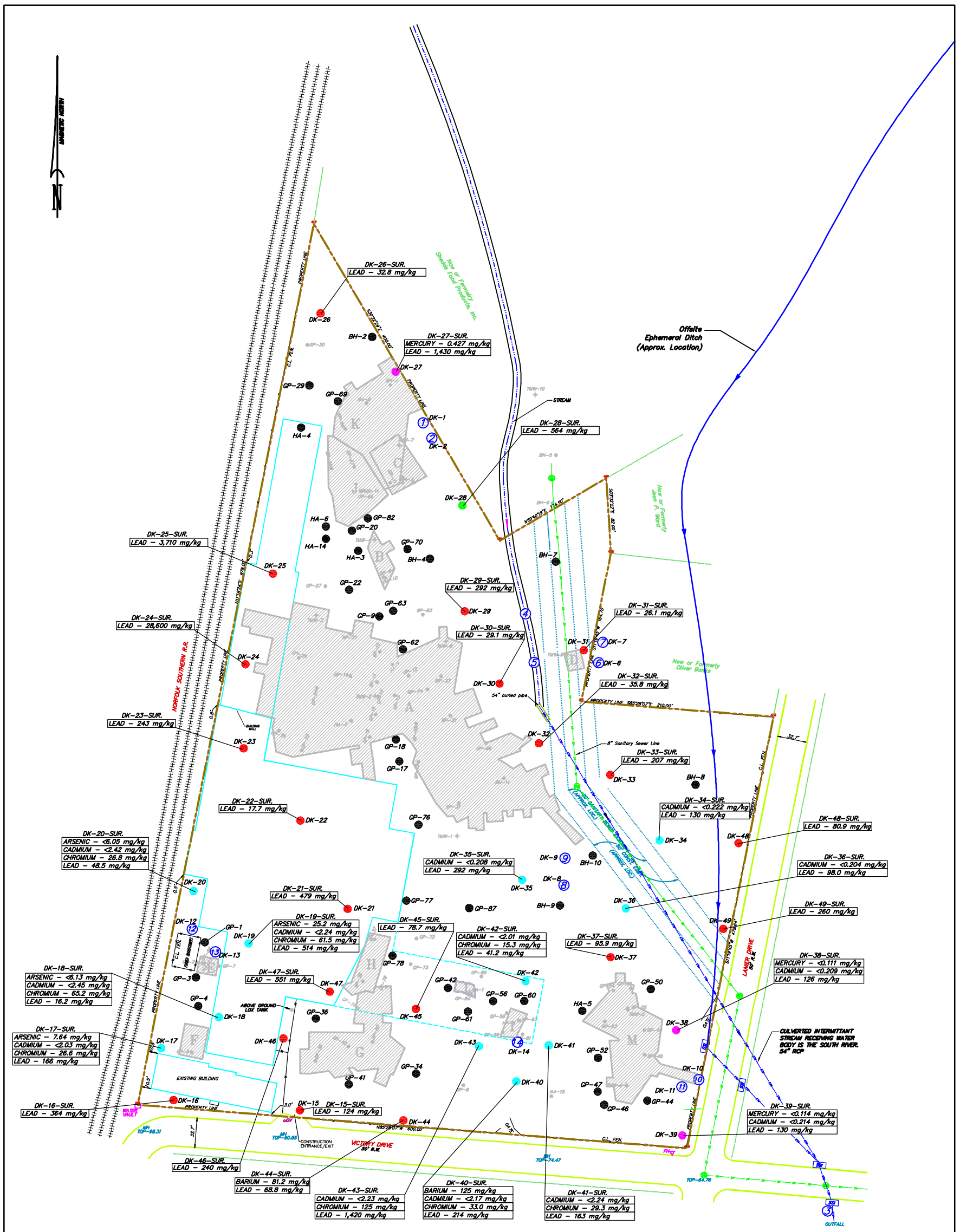
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

HISTORIC SURFACE SOIL SAMPLE LOCATION MAP

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 6/30/13 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

DK-40-SUR.
CADMIUM – <2.17 mg/kg

SOIL SAMPLE ID
SURFACE SOIL (0-6" BGS) ANALYTICAL RESULTS IN 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 NOVEMBER 2011 HORIZONTAL DELINEATION SAMPLE LOCATION FOR LEAD, OTHER METALS, AND PAHs

DAVIDSON-KENNEDY COMPANY

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

60' 30' 0 60'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **5**
DAVIDSON-KENNEDY
3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

PEACHTREE NOVEMBER 2011 ANALYTICAL RESULTS - LEAD AND OTHER METALS

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 6/30/13
DWN BY KEMRON
DES BY JPC
CHK BY JPM
APP BY CHM

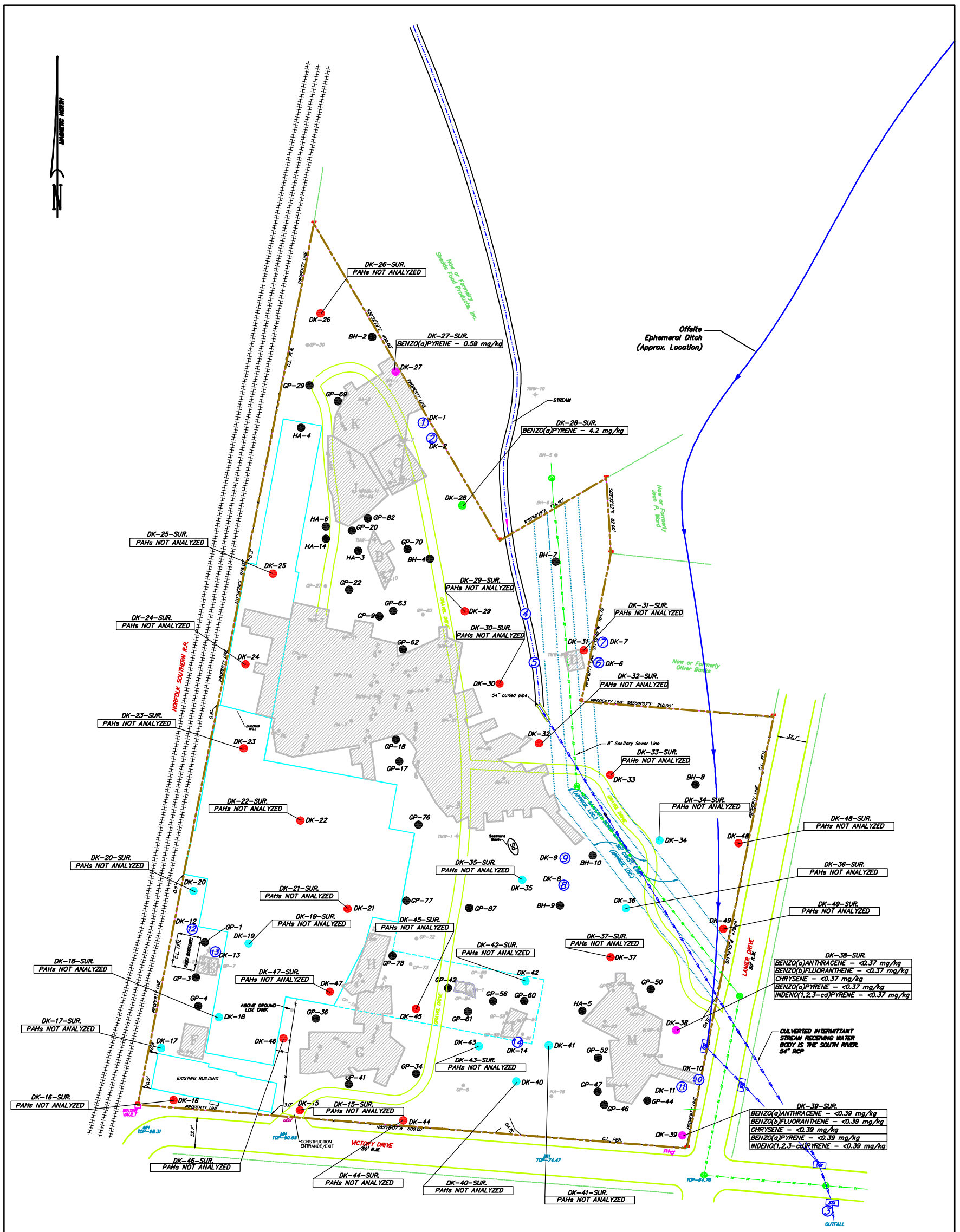


FIGURE NO. 6

DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

PEACHTREE NOVEMBER 2011 ANALYTICAL RESULTS - PAHs

Peachtree Environmental

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 6/30/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM

STREAM

429

N59°40'19"E 134.50'

S03°32'22"E 82.00'

Now or Formerly
Jean P. Ward

430

OS-4-1'
LEAD – 98.9 mg/kg
OS-4-3'
LEAD – 12.0 mg/kg

OS-3-1'
LEAD – 26.1 mg/kg
OS-3-3'
LEAD – 15.1 mg/kg

OS-4

OS-2-1'
LEAD – 36.6 mg/kg
OS-2-3'
LEAD – 15.5 mg/kg

OS-3

PROPERTY LINE S11°19'45"W 164.70'

OS-2

OS-1-1'
LEAD – 220 mg/kg
OS-1-3'
LEAD – 15.8 mg/kg

OS-1

pipe

431

PROPERTY LINE S85°28'07"E 210.00'

432

8" Sanitary Sewer Line

LEGEND

- RAIL ROAD TRACKS
- EXTENT OF SOIL EXCAVATION AREAS
- SANITARY SEWER
- STORM SEWER
- STORM SEWER MANHOLE
- STORM SEWER INLET
- CONSTRUCTION ENTRANCE/EXIT
- SEDIMENT BASIN
- OFF-SITE EPD SOIL SAMPLE REQUIRING DELINEATION
- OS-1 PEACHTREE OFF-SITE SOIL SAMPLE – MAY 2012
- LEAD – 15.5 mg/kg LEAD CONCENTRATION IN MILLIGRAMS PER KILOGRAM

DAVIDSON-KENNEDY COMPANY

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

20' 10' 0 20'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. 7
DAVIDSON-KENNEDY
3185

DAVIDSON-KENNEDY COMPANY SITE
1195 VICTORY DRIVE
ATLANTA, GEORGIA

OFF-PROPERTY SOIL SAMPLE LOCATIONS AND TOTAL LEAD RESULTS

Peachtree Environmental

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DATE OF ISSUE 6/30/13
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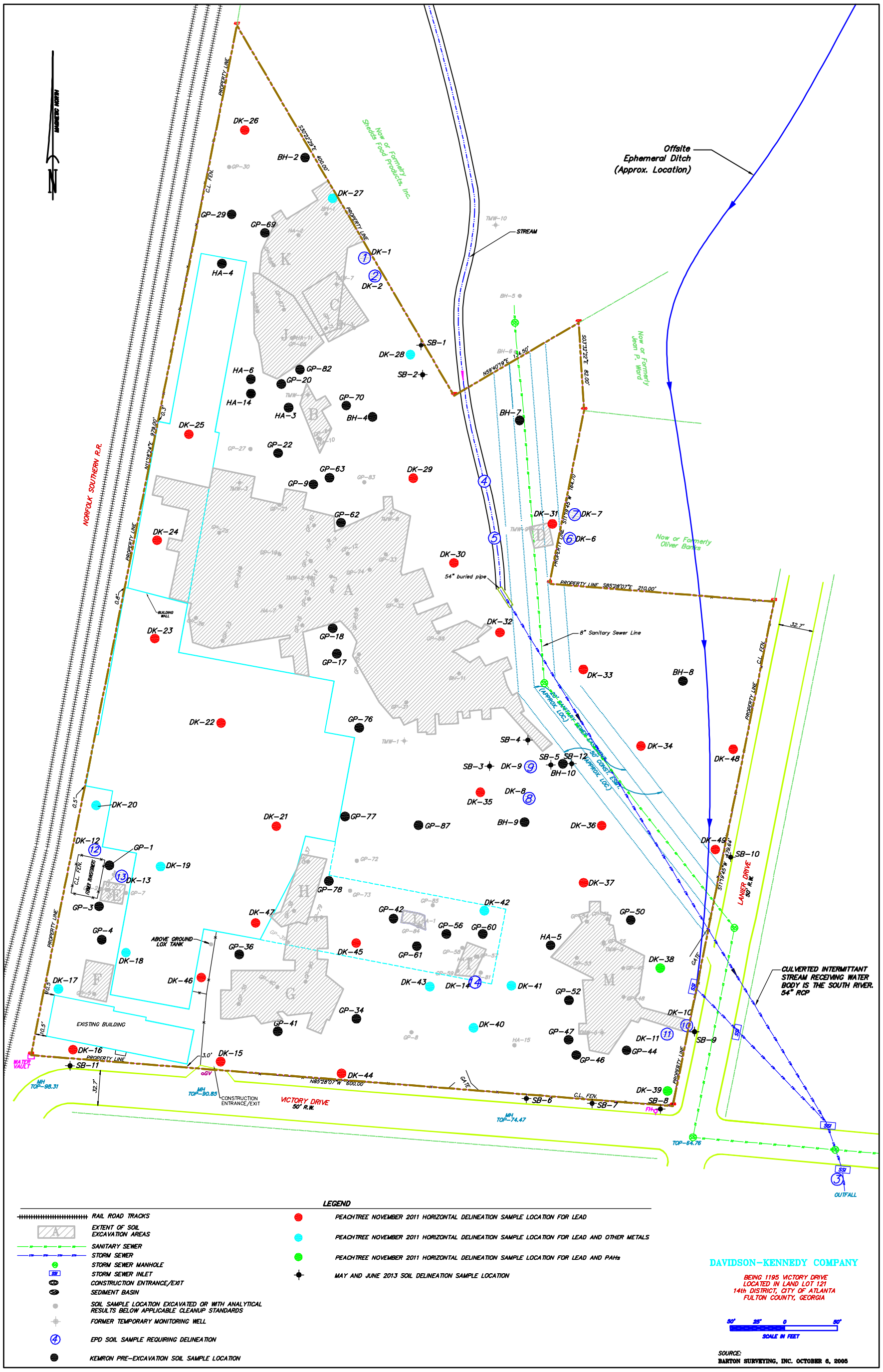

LEGEND

- 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 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
- MAY AND JUNE 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

50' 25' 0 50'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

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

DAVIDSON-KENNEDY COMPANY SITE
1195 VICTORY DRIVE
ATLANTA, GEORGIA

MAY-JUNE 2013 HORIZONTAL DELINEATION SOIL SAMPLE LOCATION MAP

Pembroke Environmental

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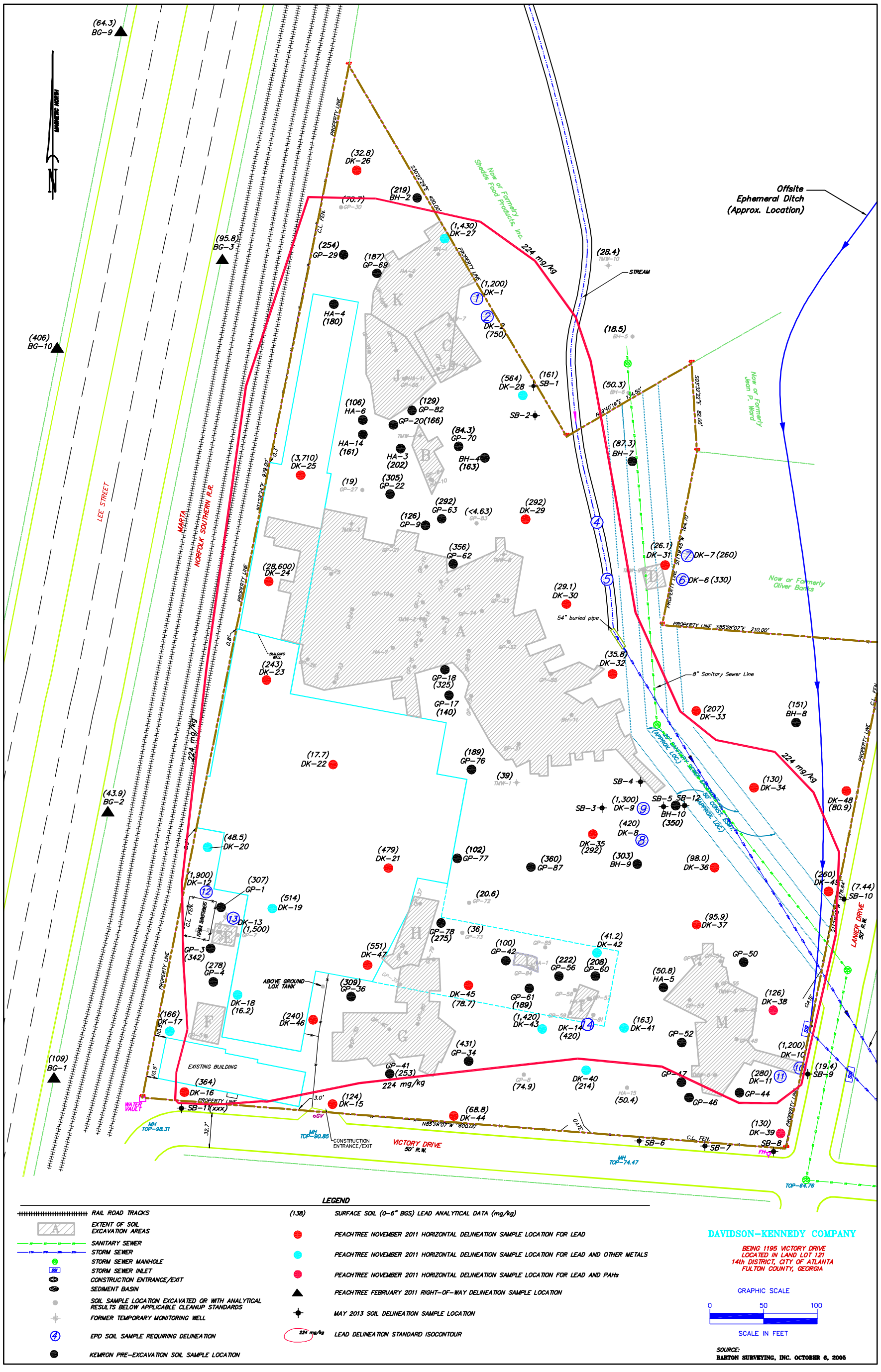
DATE OF ISSUE 6/30/13 DWN BY KEMRON DES BY JPC CHK BY TAL APP BY JPM



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
- 224 mg/kg LEAD DELINEATION STANDARD ISOCONTOUR

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. **9**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY SITE
1195 VICTORY DRIVE
ATLANTA, GEORGIA

HORIZONTAL DELINEATION OF ON-SITE LEAD (LESS THAN 2 FT-BGS)

Peachtree Environmental

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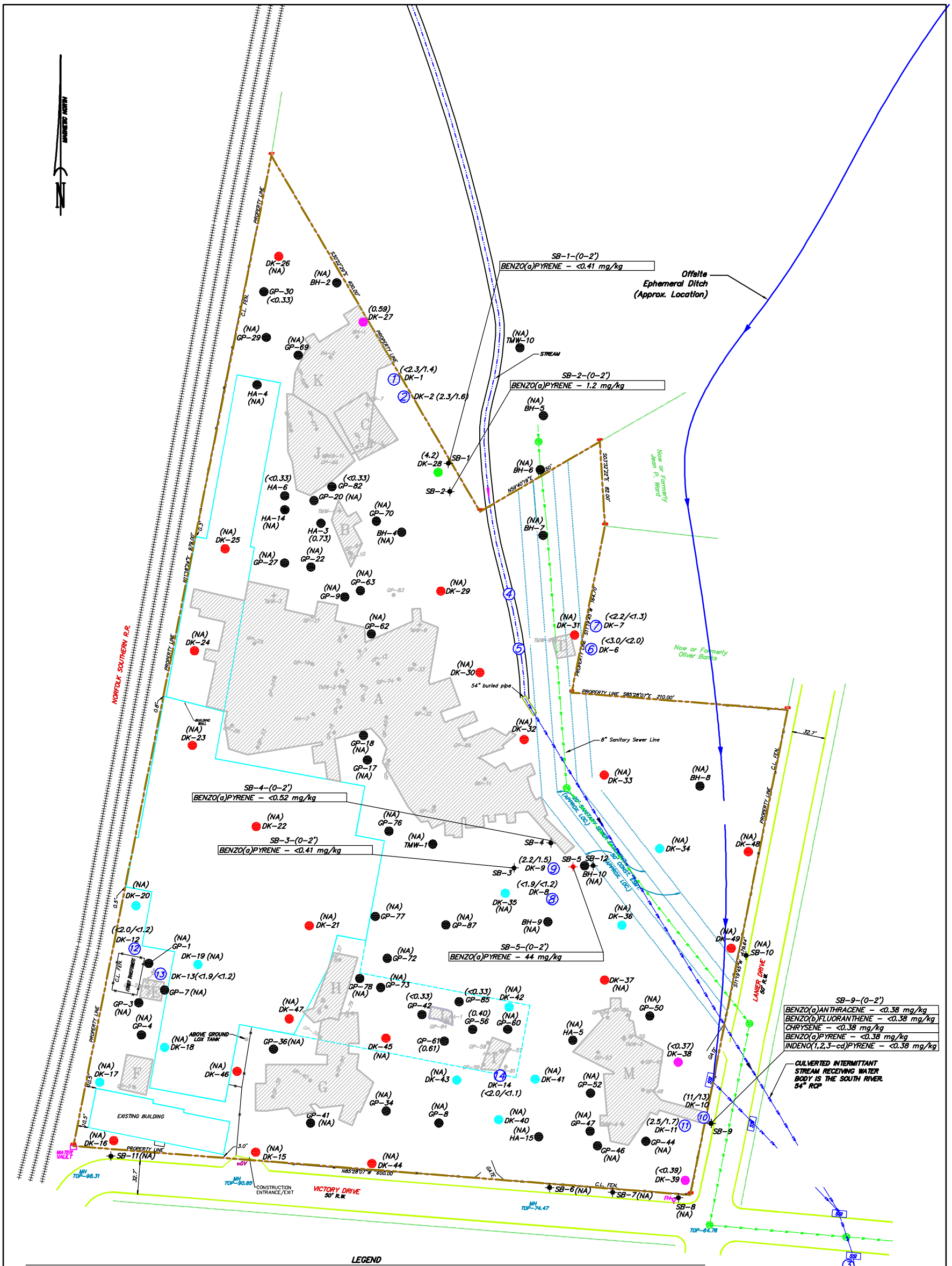

FIGURE NO.
10A
DAVIDSON-KENNEDY
3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

MAY-JUNE 2013 PAHs SOIL RESULTS (LESS THAN 2 FT-BGS)

Peachtree Environmental

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DATE OF ISSUE 6/5/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM

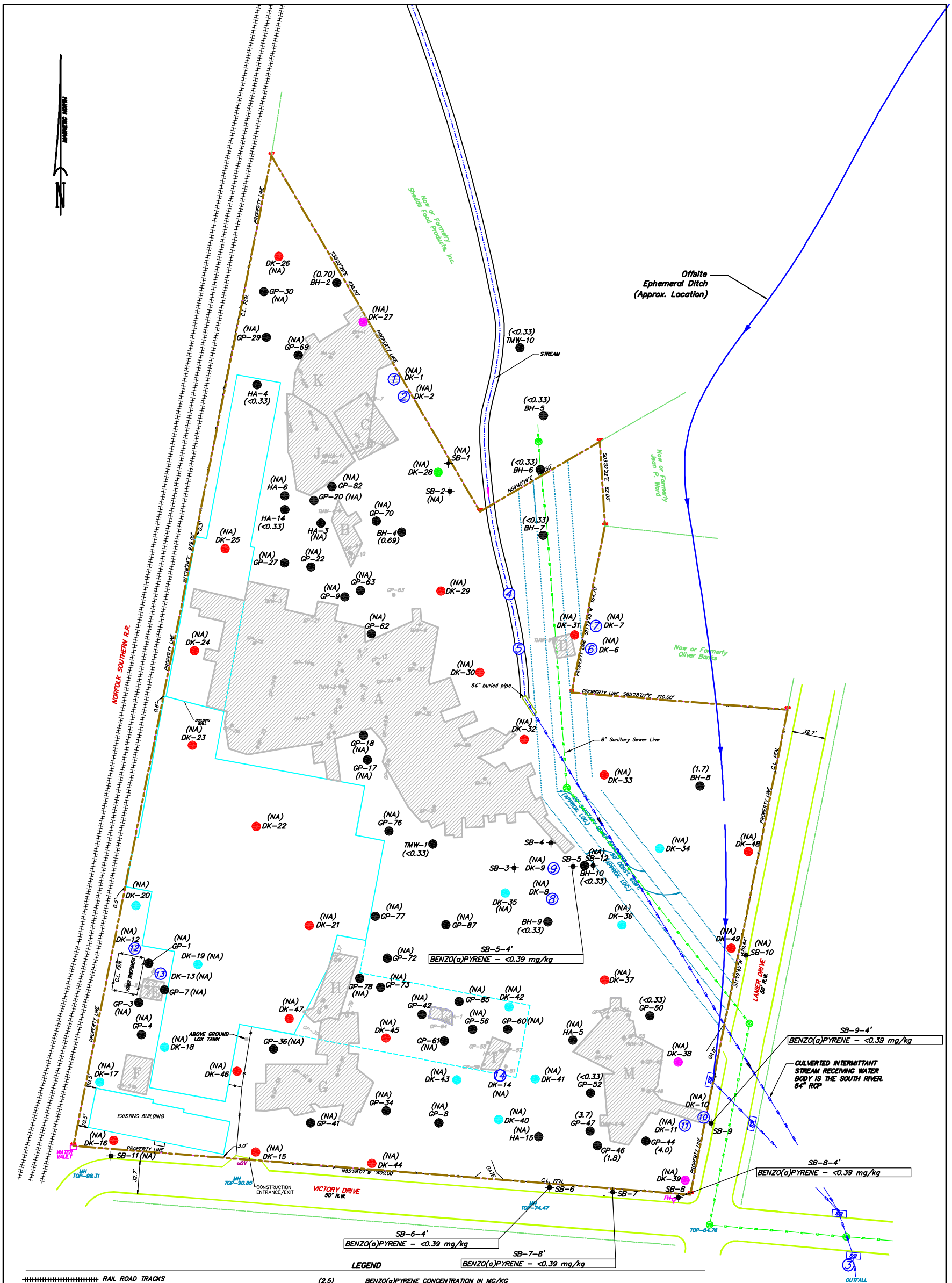

FIGURE NO.
10B
DAVIDSON-KENNEDY
3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

MAY 2013 PAHs SOIL RESULTS
(GREATER THAN 2 FT-BGS)

Peachtree Environmental

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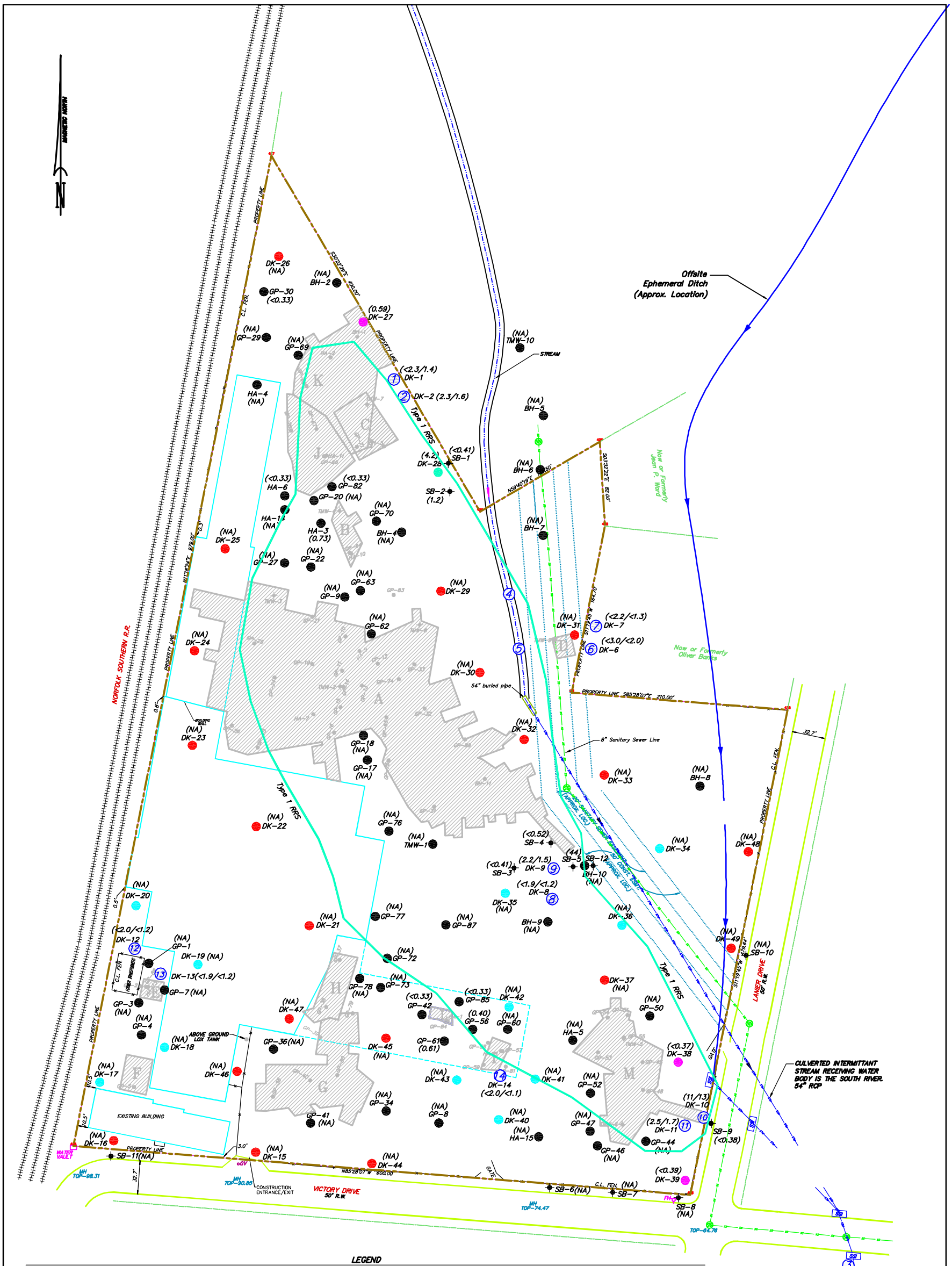
DATE OF ISSUE 6/30/13
DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM



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

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

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

Peachtree Environmental

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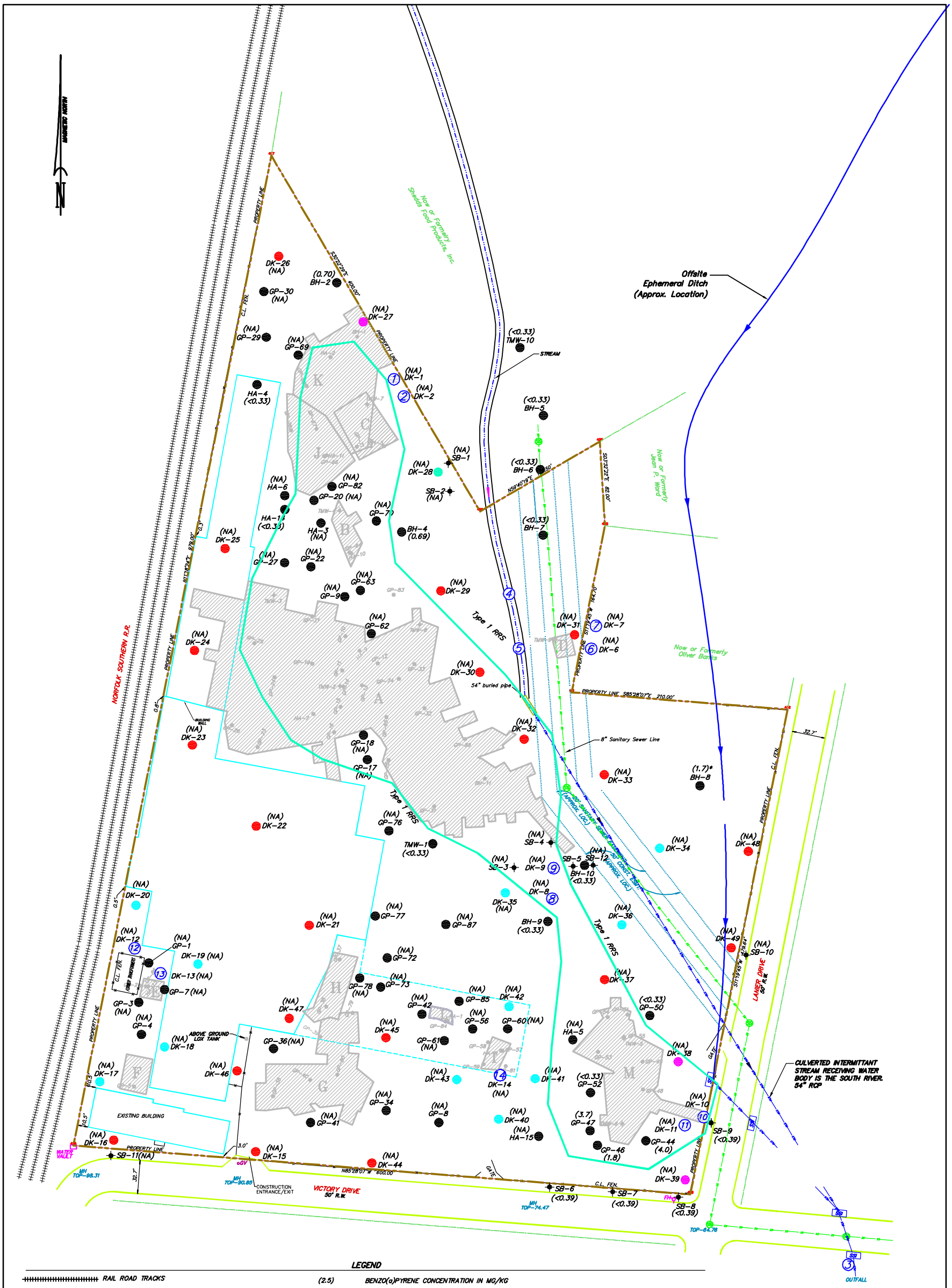
DATE OF ISSUE 6/5/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM



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.

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

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

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

Peachtree Environmental

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DATE OF ISSUE 6/30/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM

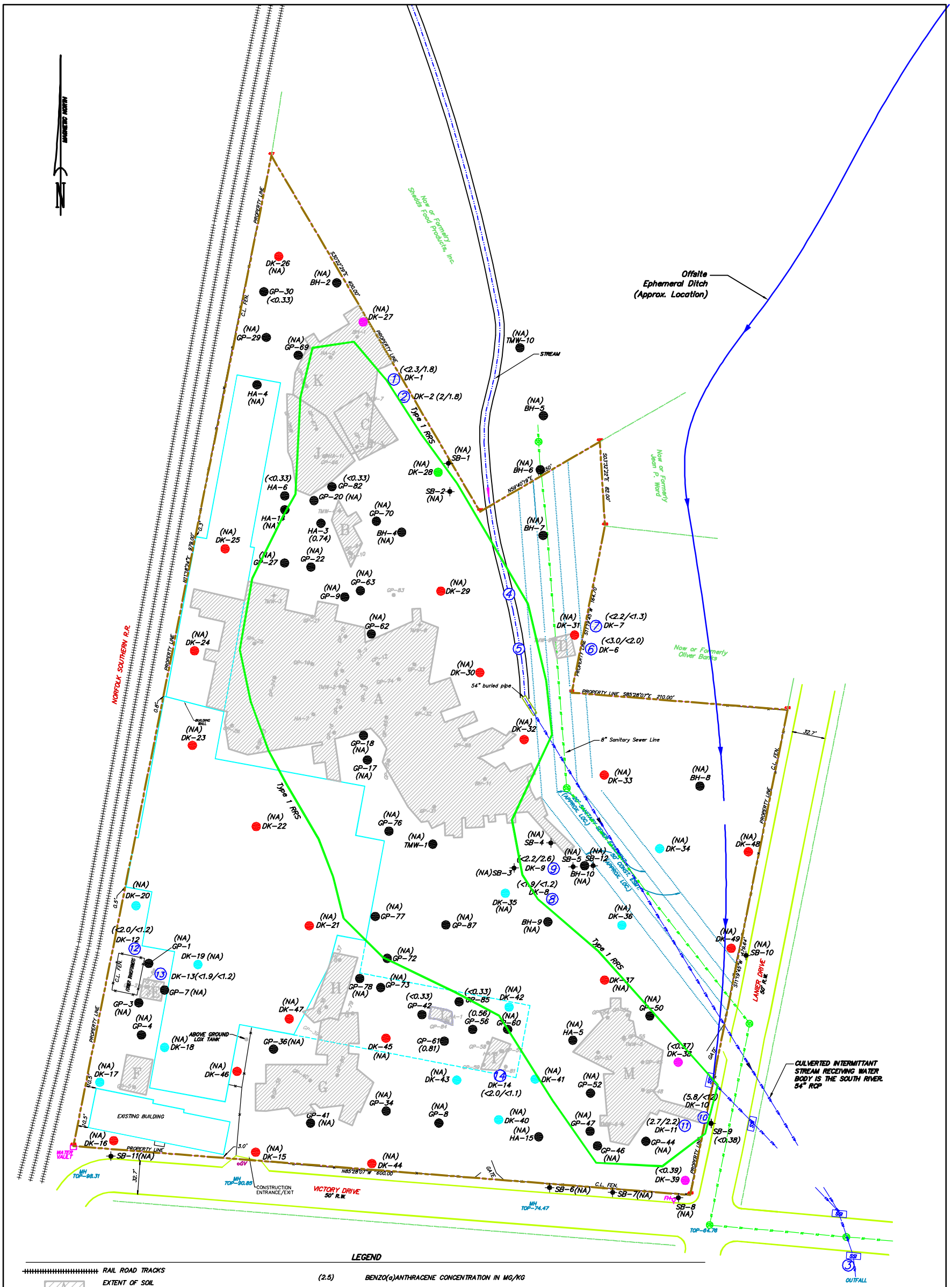

FIGURE NO. **12A**

DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

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

Peachtree Environmental

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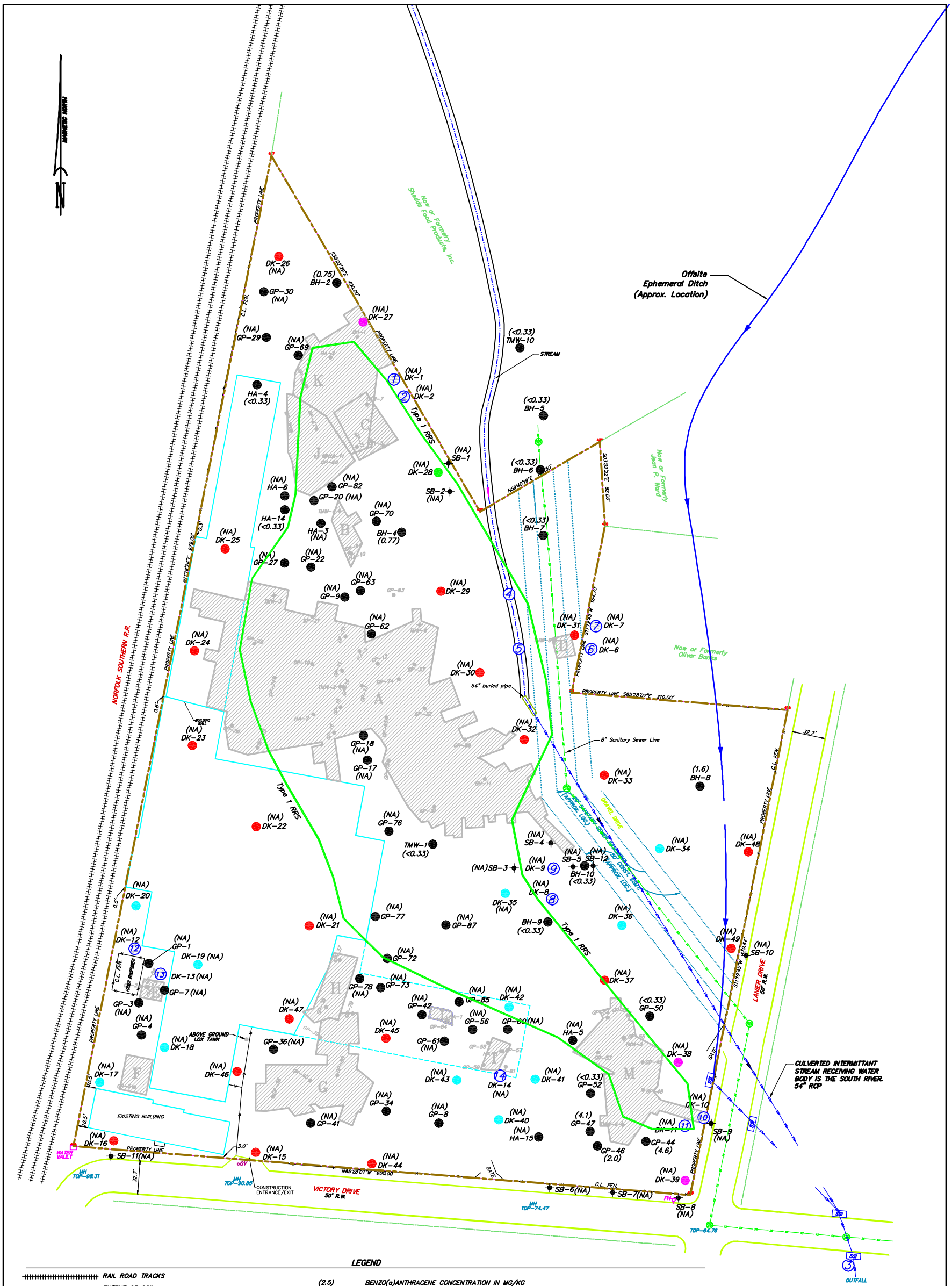

LEGEND

- 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. **12B**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

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

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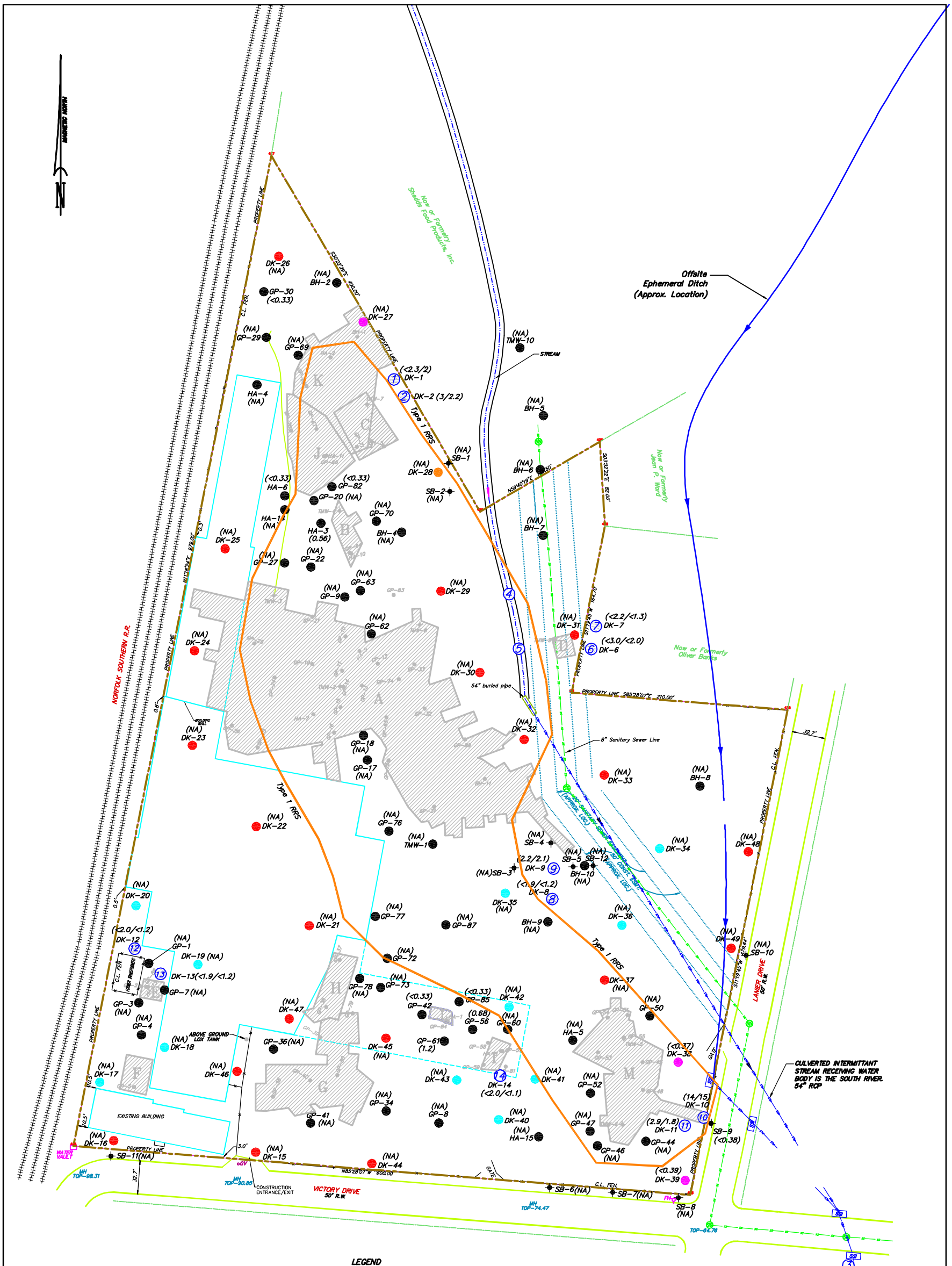

LEGEND

- 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(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
- 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(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

30' 15' 0 60'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **13A**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

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

Peachtree Environmental

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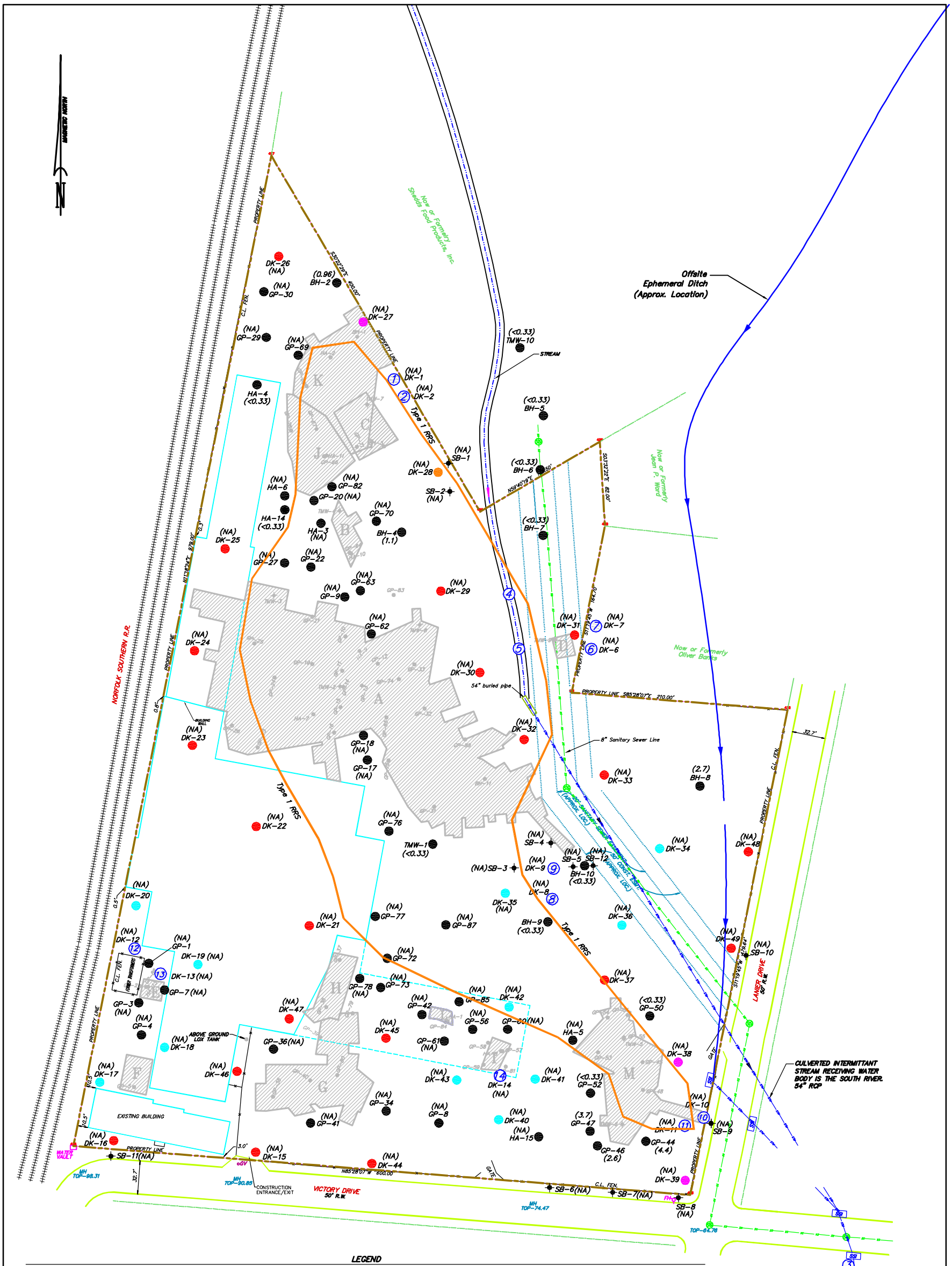

FIGURE NO. **13B**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

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

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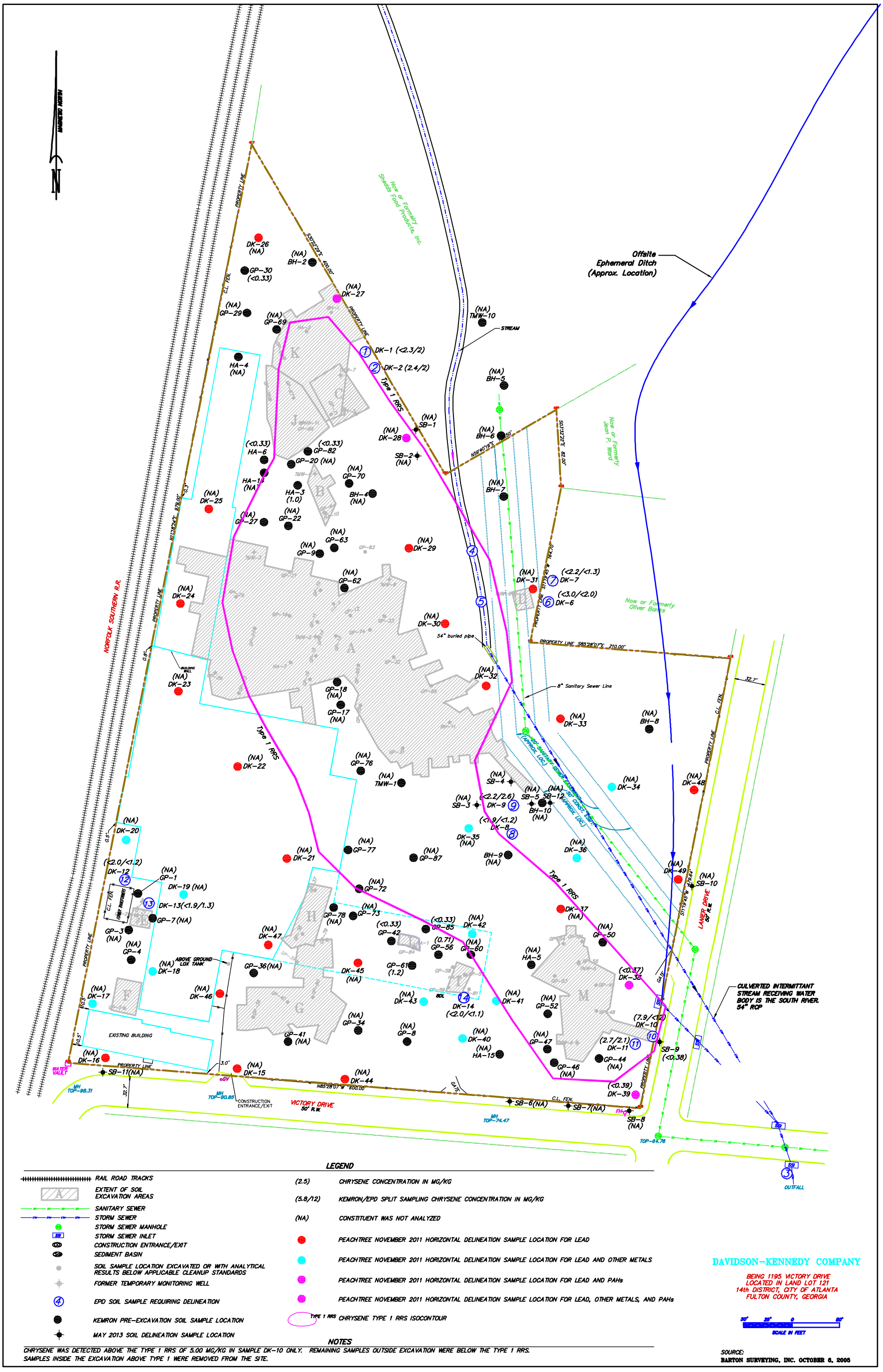

LEGEND

- 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

50' 25' 0 50'
SCALE IN FEET

SOURCE:
BARTON SURVEYING, INC. OCTOBER 6, 2005

FIGURE NO. **14A**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

CHRYSENE ISOCONTOUR MAP
(LESS THAN 2 FT-BGS)

Peachtree Environmental

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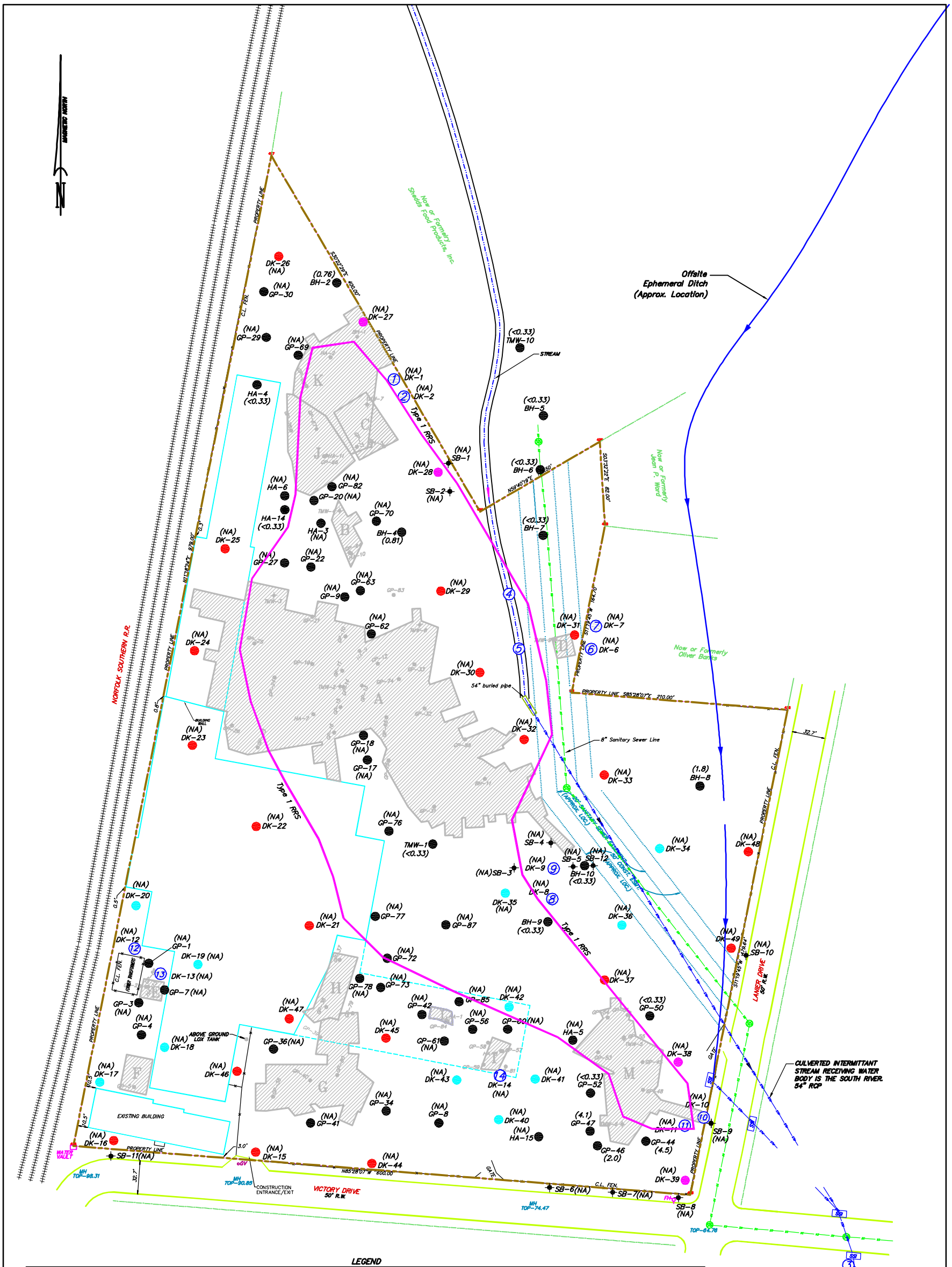
DATE OF ISSUE 6/30/13 DWN BY KEMRON DES BY JPC CHK BY TAL APP BY CHM



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. **14B**
DAVIDSON-KENNEDY 3185

DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

CHRYSENE ISOCONTOUR MAP
(GREATER THAN 2 FT-BGS)

Peachtree Environmental

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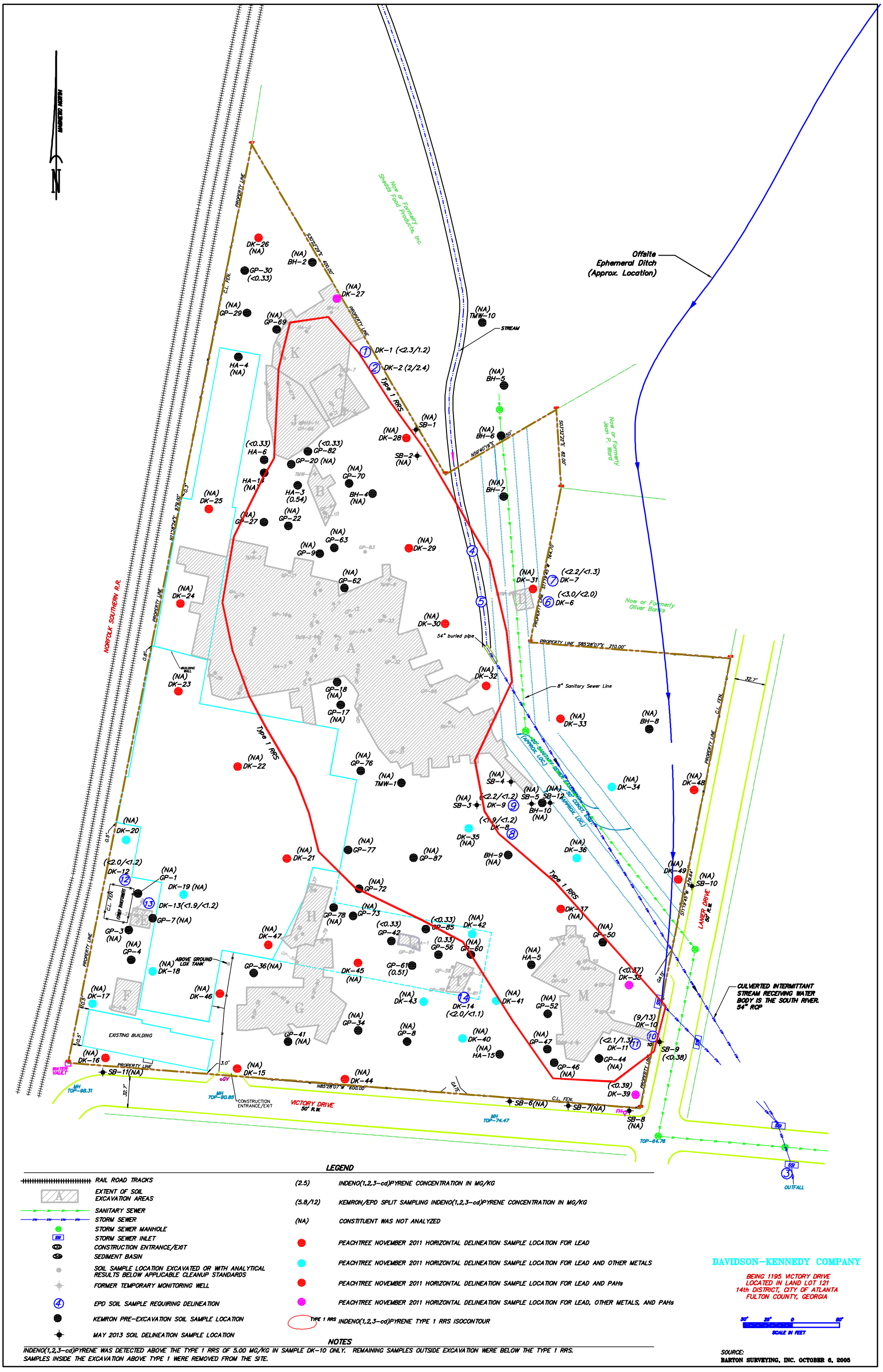
DATE OF ISSUE 6/30/13 DWN BY KEMRON DES BY JPC CHK BY JPM APP BY CHM



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. **15A**
DAVIDSON-KENNEDY 3185

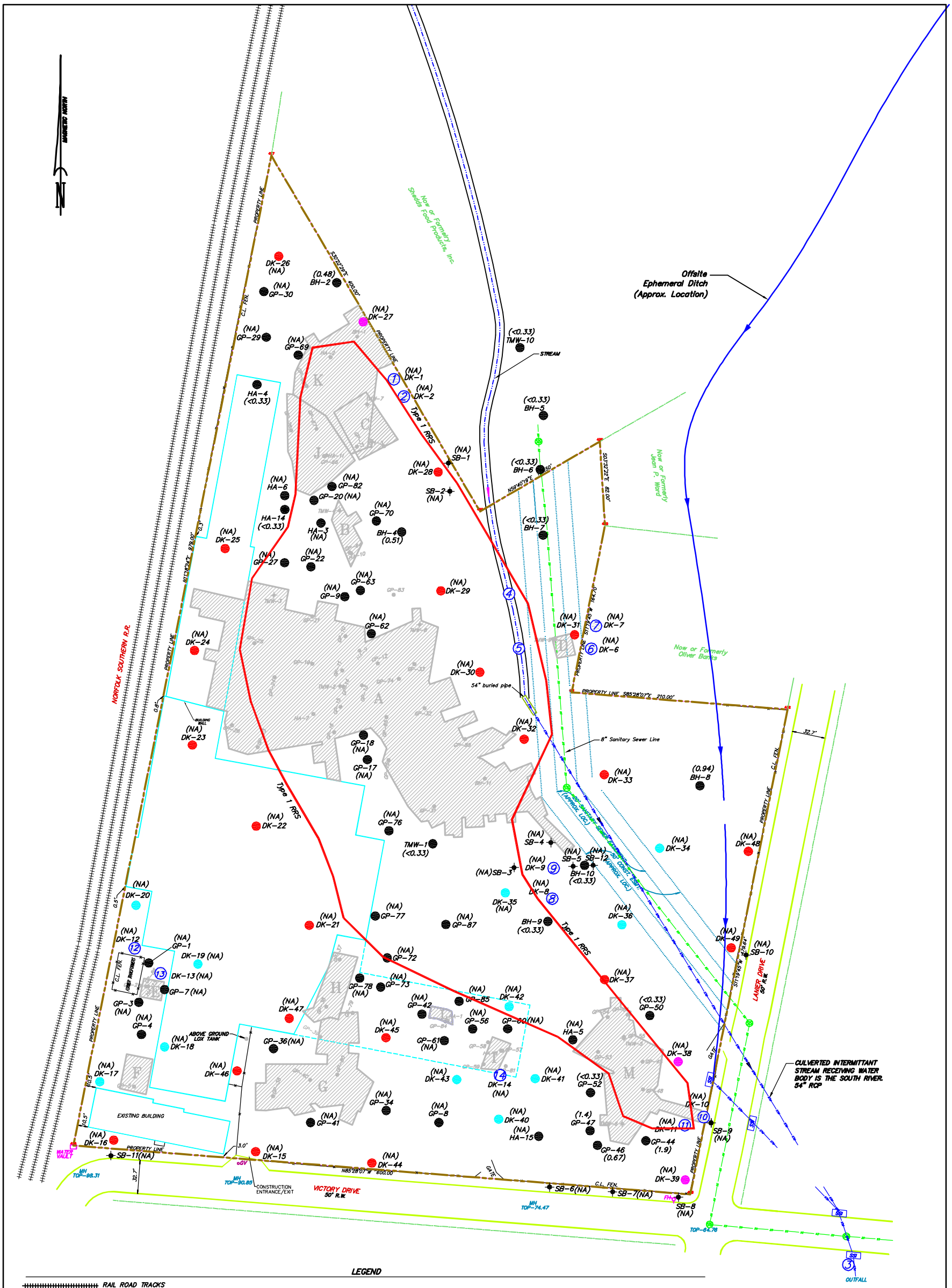
DAVIDSON-KENNEDY COMPANY
1195 VICTORY DRIVE
ATLANTA, GEORGIA

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 6/30/13 DWN BY KEMRON CHK BY TAL DES BY JPC 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. **15B**
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 5/5/13 DWN BY KEMRON CHK BY TAL DES BY JPC 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
		January 27 to February 23, 2013			
		Project Management - Ongoing Correspondence with Georgia EPD and NewFields regarding Kriging analysis			
1.00	Hours	Project Director (John P. Martiniere, P.E.)			1.00
		February 24 to March 30, 2013			
		Project Management - Ongoing correspondence with Georgia EPD and NewFields regarding Kriging analysis, Participation in Meeting with NewFields and Review NewFields Kriging methodology writeup			
11.00	Hours	Project Director (John P. Martiniere, P.E.)			11.00
		March 31 to April 27, 2013			
		Project Management - Ongoing correspondence with Georgia EPD and NewFields regarding Kriging analysis, Provide Georgia EPD with requested data for kriging model, including historic tables and figures			
4.00	Hours	Project Director (John P. Martiniere, P.E.)			4.00
		April 28 to May 25, 2013			
		Project Management - Meeting Preparation and Attendance of Project Meeting at Arnall Golden & Gregory, LLC with Davidson Kennedy Representatives and Peachtree on May 23, 2013 to Discuss Georiga EPD Letter and Future Activities; Ongoing Georgia EPD Correspondence			
4.50	Hours	Project Director (John P. Martiniere, P.E.)			4.50
		May 26 to June 29, 2013			
		Project Management - Meeting Preparation and Attendance of Project Meeting at Georgia EPD with Davidson Kennedy Representatives and Peachtree on June 12, 2013 to Discuss Georiga EPD Letter, Kriging analysis, and Future Activities; Senior Review of Fourth Semi-Annual Progress Report Figures, Analysis, Tables and Comment Response Letter;			
14.00	Hours	Project Director (John P. Martiniere, P.E.)			14.00

PE MONTHLY HOURS TOTAL => 34.50

APPENDIX B

MAY/JUNE 2013 SOIL BORING LOGS

Project No.	3185	**Soil Boring/ Well ID**	**SB-1**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Dark gray to black Silty/Sandy Clay FILL		33.7090306 Lat
					moist, with rock fragments		-84.4265402 Lon
	SB-1 (0-2')					Total Lead	
2						Benzo(a)Pyrene	
						Total Lead	
4	SB-1 4'					Benzo(a)Pyrene	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**SB-2**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Dark gray-black Silty/Sandy Clay FILL		33.70851865 Lat
					with abundant rock fragments		-84.42662638 Lon
	SB-2 (0-2')					Benzo(a)Pyrene	
2							
4	SB-2 4'				Black and orange micaceous Silty Clayw/rock FILL	Benzo(a)Pyrene	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							
							Page 1 of 1

Peachtree Environmental

Project No.	3185	**Soil Boring/ Well ID**	**SB-3**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Orange Silty Clay FILL		33.7077076 Lat
							-84.42651498 Lon
	SB-3 (0-2')					Benzo(a)Pyrene	
2							
					Orange-brown Silty Clay FILL		
4	SB-3 4'				w/rock	Benzo(a)Pyrene	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Peachtree Environmental

Project No.	3185	**Soil Boring/ Well ID**	**SB-4**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013
Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Orange-brown Silty Clay FILL		33.70772561 Lat
							-84.42626542 Lon
	SB-4 (0-2')					Benzo(a)Pyrene	
2							
					Orange-brown Silty Clay FILL		
4	SB-4 4'				w/rock	Benzo(a)Pyrene	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**SB-5**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Orange-brown Silty Clay FILL		33.70768208 Lat
					w/rock		-84.42615236 Lon
	SB-5 (0-2')					Benzo(a)Pyrene	
2							
					Orange-brown Silty Clay FILL		
4	SB-5 4'				w/rock	Benzo(a)Pyrene	
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Peachtree Environmental

Project No.	3185	**Soil Boring/ Well ID**	**SB-6**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013
Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Orange-brown Silty Clay FILL		33.7068138 Lat
							-84.42609777 Lon
2							
4	SB-6 4'					Benzo(a)Pyrene	Sample on hold
6	SB-6 6'					Benzo(a)Pyrene	
					Boring terminated @ 6ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Peachtree Environmental

Project No.	3185	**Soil Boring/ Well ID**	**SB-7**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013
Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Orange-brown Silty Clay FILL		33.70680771 Lat
							-84.42562648 Lon
2							
4							
					Reddish-brown Silty Clay FILL		
6							
					Tan-brown Silty Clay FILL		
8	SB-7 8'					Benzo(a)Pyrene	
					Boring terminated @ 8ft		
					-backfilled w/soil cuttings		
10							
12							
14							
16							
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**SB-8**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Orange-brown Silty Clay FILL		33.70657087 Lat
							-84.42577905 Lon
2							
	SB-8 4'					Benzo(a)Pyrene	
4							
	SB-8 6'					Benzo(a)Pyrene	Sample on hold
6					Boring terminated @ 6ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**SB-9**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Reddish-brown Silty Clay FILL		33.70696075 Lat
					w/rock fragments		-84.42560672 Lon
						Total Lead	
2	SB-9 (0-2')					PAHs	
4	SB-9 4'					Benzo(a)Pyrene	
6	SB-9 6'				some roots @6ft	Benzo(a)Pyrene	Sample on hold
					Boring terminated @ 6ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							
							Page 1 of 1

Project No.	3185	**Soil Boring/ Well ID**	**SB-10**
Site Location	Atlanta, Georgia	**Date Started**	5/23/2013
Client	Davidson-Kennedy	**Date Completed**	5/23/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**Groundwater Sampling Method**	NA	**Well Diameter**	NA
Logged By	JPC/TAL	**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					Reddish-orange Silty Clay FILL		33.70736611 Lat
							-84.42538009 Lon
2	SB-10 (0-2')					Total Lead	
4	SB-10 4'					Total Lead	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Project No.	3185	**Soil Boring/ Well ID**	**SB-11**
Site Location	Atlanta, Georgia	**Date Started**	6/19/2013
Client	Davidson-Kennedy	**Date Completed**	6/19/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**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					Reddish-orange Silty Sand Clay FILL		33.70728756 Lat
							-84.42693341 Lon
2	SB-11 (0-2')					Total Lead	
4	SB-11 4'					Total Lead	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

Peachtree Environmental

Project No.	3185	**Soil Boring/ Well ID**	**SB-12**
Site Location	Atlanta, Georgia	**Date Started**	6/18/2013
Client	Davidson-Kennedy	**Date Completed**	6/18/2013

Drilling Company	NA	**Soil Sampling Method**	Hand Auger	**Well Screen/Riser Type**	NA
Drilling Method	NA	**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					Reddish-orange to tan Silty Clay FILL		33.70786705 Lat
							-84.42579998 Lon
2	SB-12 (0-2')					Benzo(a)Pyrene	
4	SB-12 4'					Benzo(a)Pyrene	Sample on hold
6					Boring terminated @ 4ft		
					-backfilled w/soil cuttings		
8							
10							
12							
14							
16							
18							
20							

APPENDIX C

LABORATORY ANALYTICAL RESULTS

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 31, 2013

Jason Chappell
Peachtree Environmental
3000 Northwoods Parkway, Suite 105
Norcross GA 30071

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

RE: Davidson Kennedy

Dear Jason Chappell: Order No: 1305N30

Analytical Environmental Services, Inc. received 11 samples on 5/24/2013 1:55:00 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 07/01/12-06/30/13.
-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 09/01/13.

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.

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: 1305 N30

Date: 5/24/13 Page 1 of 1

COMPANY:	ADDRESS:
PEACHTREE ENVIRONMENTAL	3000 NORTHWOODS PARKWAY SUITE 105 NORCROSS, GEORGIA
PHONE: 770-449-6100	FAX: 770-449-6119
SAMPLED BY: JASON CHAPPELL / THOM LAWRENCE	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Total Lead	Benzo(a)Pyrene	Select PAHs*	PRESERVATION (See codes) –	PRESERVATION (See codes) I	PRESERVATION (See codes) I	REMARKS	No # of Containers
1	DK-0513-SB-1-(0-2')	5/23/13	1000	✓		SO	✓	✓		✓	✓			2
2	DK-0513-SB-2(0-2')		1035	✓		SO		✓			✓			1
3	DK-0513-SB-3(0-2')		1100	✓		SO		✓			✓			1
4	DK-0513-SB-4(0-2')		1110	✓		SO		✓			✓			1
5	DK-0513-SB-5(0-2')		1120	✓		SO		✓			✓			1
6	DK-0513-SB-6-4'		1155	✓		SO		✓			✓			1
7	DK-0513-SB-7-8'		1225	✓		SO		✓			✓			1
8	DK-0513-SB-8-4'		1240	✓		SO		✓			✓			1
9	DK-0513-SB-9(0-2')		1300	✓		SO	✓		✓					2
10	DK-0513-SB-10-(0-2')		1320	✓		SO	✓							1
11	DK-0513-SB-9-4'		1305	✓		SO		✓						1
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:	5/24/13 1355	1: Calloyo P 5/24/13 1:55p	
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:
* PAHs, only – Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(g)pyrene Chrysene, + Indeno(1,2,3-cd)pyrene

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

PROJECT INFORMATION
PROJECT NAME: DAWSON-KENNEDY
PROJECT #: 3105
SITE ADDRESS: ATLANTA, GEORGIA
SEND REPORT TO: JASON CHAPPELL
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- (L) 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 ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION 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: 31-May-13

Client: Peachtree Environmental
Project: Davidson Kennedy
Lab ID: 1305N30

Case Narrative

PAH Analysis by Method 8270D:

Batch 176712 QC sample 1305N30-006AMSD recoveries and RPD values for Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benz(a)anthracene, Chrysene, Benzo(b)luoranthene, Benzo(a)pyrene, Benzo(g,h,I)perylene and Indeno(1,2,30cd)pyrene were outside advisory control limits due to a suspected error during extraction/concentration. Recoveries are demonstrated by the LCS and MS and no analytical samples were affected. The non-spiked sample, 1305N30-006A was reextracted to check recoveries and the original results were confirmed.

Analytical Environmental Services, Inc **Date:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-1(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 10:00:00 AM
Lab ID:	1305N30-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	176712	1	05/30/2013 10:20	EI
Surr: 2-Fluorobiphenyl	76.2	51.9-120		%REC	176712	1	05/30/2013 10:20	EI
Surr: 4-Terphenyl-d14	94.3	60.2-120		%REC	176712	1	05/30/2013 10:20	EI
Surr: Nitrobenzene-d5	73.2	45.6-120		%REC	176712	1	05/30/2013 10:20	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Lead	161	5.96		mg/Kg-dry	176745	1	05/30/2013 12:43	MR
PERCENT MOISTURE D2216								
Percent Moisture	19.8	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-2(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 10:35:00 AM
Lab ID:	1305N30-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	1.2	0.36		mg/Kg-dry	176712	1	05/30/2013 10:46	EI
Surr: 2-Fluorobiphenyl	80.5	51.9-120		%REC	176712	1	05/30/2013 10:46	EI
Surr: 4-Terphenyl-d14	99.6	60.2-120		%REC	176712	1	05/30/2013 10:46	EI
Surr: Nitrobenzene-d5	74.1	45.6-120		%REC	176712	1	05/30/2013 10:46	EI
PERCENT MOISTURE D2216								
Percent Moisture	7.83	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-3(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 11:00:00 AM
Lab ID:	1305N30-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	176712	1	05/30/2013 11:12	EI
Surr: 2-Fluorobiphenyl	71.3	51.9-120		%REC	176712	1	05/30/2013 11:12	EI
Surr: 4-Terphenyl-d14	90	60.2-120		%REC	176712	1	05/30/2013 11:12	EI
Surr: Nitrobenzene-d5	68.7	45.6-120		%REC	176712	1	05/30/2013 11:12	EI
PERCENT MOISTURE D2216								
Percent Moisture	20.6	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-4(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 11:10:00 AM
Lab ID:	1305N30-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.52		mg/Kg-dry	176712	1	05/30/2013 11:38	EI
Surr: 2-Fluorobiphenyl	81.1	51.9-120		%REC	176712	1	05/30/2013 11:38	EI
Surr: 4-Terphenyl-d14	98.9	60.2-120		%REC	176712	1	05/30/2013 11:38	EI
Surr: Nitrobenzene-d5	77.6	45.6-120		%REC	176712	1	05/30/2013 11:38	EI
PERCENT MOISTURE D2216								
Percent Moisture	37.1	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-5(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 11:20:00 AM
Lab ID:	1305N30-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	44	9.4		mg/Kg-dry	176712	25	05/30/2013 15:31	EI
Surr: 2-Fluorobiphenyl	83	51.9-120		%REC	176712	1	05/30/2013 12:04	EI
Surr: 4-Terphenyl-d14	98.1	60.2-120		%REC	176712	1	05/30/2013 12:04	EI
Surr: Nitrobenzene-d5	85.6	45.6-120		%REC	176712	1	05/30/2013 12:04	EI
PERCENT MOISTURE D2216								
Percent Moisture	12.6	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-6-4'
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 11:55:00 AM
Lab ID:	1305N30-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	176712	1	05/30/2013 09:19	EI
Surr: 2-Fluorobiphenyl	63.1	51.9-120		%REC	176712	1	05/30/2013 09:19	EI
Surr: 4-Terphenyl-d14	74.3	60.2-120		%REC	176712	1	05/30/2013 09:19	EI
Surr: Nitrobenzene-d5	63	45.6-120		%REC	176712	1	05/30/2013 09:19	EI
PERCENT MOISTURE D2216								
Percent Moisture	16.2	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-7-8'
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 12:25:00 PM
Lab ID:	1305N30-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	176712	1	05/30/2013 12:30	EI
Surr: 2-Fluorobiphenyl	72.8	51.9-120		%REC	176712	1	05/30/2013 12:30	EI
Surr: 4-Terphenyl-d14	93.6	60.2-120		%REC	176712	1	05/30/2013 12:30	EI
Surr: Nitrobenzene-d5	69.9	45.6-120		%REC	176712	1	05/30/2013 12:30	EI
PERCENT MOISTURE D2216								
Percent Moisture	15.5	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-8-4'
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 12:40:00 PM
Lab ID:	1305N30-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	176712	1	05/30/2013 12:06	EI
Surr: 2-Fluorobiphenyl	72.9	51.9-120		%REC	176712	1	05/30/2013 12:06	EI
Surr: 4-Terphenyl-d14	92.4	60.2-120		%REC	176712	1	05/30/2013 12:06	EI
Surr: Nitrobenzene-d5	71.2	45.6-120		%REC	176712	1	05/30/2013 12:06	EI
PERCENT MOISTURE D2216								
Percent Moisture	15.6	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-9(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 1:00:00 PM
Lab ID:	1305N30-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benz(a)anthracene	BRL	0.38		mg/Kg-dry	176712	1	05/30/2013 10:59	EI
Chrysene	BRL	0.38		mg/Kg-dry	176712	1	05/30/2013 10:59	EI
Benzo(b)fluoranthene	BRL	0.38		mg/Kg-dry	176712	1	05/30/2013 10:59	EI
Benzo(a)pyrene	BRL	0.38		mg/Kg-dry	176712	1	05/30/2013 10:59	EI
Indeno(1,2,3-cd)pyrene	BRL	0.38		mg/Kg-dry	176712	1	05/30/2013 10:59	EI
Surr: 2-Fluorobiphenyl	75.6	51.9-120		%REC	176712	1	05/30/2013 10:59	EI
Surr: 4-Terphenyl-d14	87.5	60.2-120		%REC	176712	1	05/30/2013 10:59	EI
Surr: Nitrobenzene-d5	72.3	45.6-120		%REC	176712	1	05/30/2013 10:59	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Lead	19.4	5.31		mg/Kg-dry	176745	1	05/30/2013 12:47	MR
PERCENT MOISTURE D2216								
Percent Moisture	13.6	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-10(0-2')
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 1:20:00 PM
Lab ID:	1305N30-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C (SW3050B)								
Lead	7.44	5.50		mg/Kg-dry	176745	1	05/30/2013 12:52	MR
PERCENT MOISTURE D2216								
Percent Moisture	14.2	0		wt%	R245020	1	05/30/2013 08:30	DM

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:** 31-May-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0513-SB-9-4'
Project Name:	Davidson Kennedy	**Collection Date:**	5/23/2013 1:05:00 PM
Lab ID:	1305N30-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	176712	1	05/30/2013 11:32	EI
Surr: 2-Fluorobiphenyl	67.7	51.9-120		%REC	176712	1	05/30/2013 11:32	EI
Surr: 4-Terphenyl-d14	88.9	60.2-120		%REC	176712	1	05/30/2013 11:32	EI
Surr: Nitrobenzene-d5	78.6	45.6-120		%REC	176712	1	05/30/2013 11:32	EI
PERCENT MOISTURE D2216								
Percent Moisture	14.6	0		wt%	R245020	1	05/30/2013 08:30	DM

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 1305N30

Checklist completed by [signature] 5.28.13
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 3.6 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
Workorder: 1305N30

ANALYTICAL QC SUMMARY REPORT

BatchID: 176712

Sample ID: **MB-176712** Client ID: Units: **mg/Kg** Prep Date: **05/28/2013** Run No: **244878**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **176712** Analysis Date: **05/28/2013** Seq No: **5129538**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	BRL	0.33	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	0.33	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	0.33	0	0	0	0	0	0	0	0	
Chrysene	BRL	0.33	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	0.33	0	0	0	0	0	0	0	0	
Surr: 2-Fluorobiphenyl	1.248	0	1.667	0	74.9	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1.638	0	1.667	0	98.3	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1.209	0	1.667	0	72.5	45.6	120	0	0	0	

Sample ID: **LCS-176712** Client ID: Units: **mg/Kg** Prep Date: **05/28/2013** Run No: **244938**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **176712** Analysis Date: **05/29/2013** Seq No: **5129691**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	1.669	0.33	1.667	0	100	64.1	120	0	0	0	
Benzo(a)pyrene	1.478	0.33	1.667	0	88.7	60	120	0	0	0	
Benzo(b)fluoranthene	1.619	0.33	1.667	0	97.2	62.5	120	0	0	0	
Chrysene	1.491	0.33	1.667	0	89.5	61	120	0	0	0	
Indeno(1,2,3-cd)pyrene	1.846	0.33	1.667	0	111	60.1	120	0	0	0	
Surr: 2-Fluorobiphenyl	1.436	0	1.667	0	86.2	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1.717	0	1.667	0	103	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1.488	0	1.667	0	89.3	45.6	120	0	0	0	

Sample ID: **1305N30-006AMS** Client ID: **DK-0513-SB-6-4'** Units: **mg/Kg-dry** Prep Date: **05/29/2013** Run No: **244938**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **176712** Analysis Date: **05/29/2013** Seq No: **5129695**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	1.884	0.39	1.988	0	94.8	52.4	120	0	0	0	
Benzo(a)pyrene	1.651	0.39	1.988	0	83.0	50.4	120	0	0	0	

Qualifiers:

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

Client: Peachtree Environmental
Project Name: Davidson Kennedy
Workorder: 1305N30

ANALYTICAL QC SUMMARY REPORT

BatchID: 176712

Sample ID: **1305N30-006AMS**	Client ID: **DK-0513-SB-6-4'**			Units: **mg/Kg-dry**	Prep Date: **05/29/2013**	Run No: **244938**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS**	**SW8270D**		BatchID: **176712**	Analysis Date: **05/29/2013**	Seq No: **5129695**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.886	0.39	1.988	0	94.9	54.1	120	0	0	0	
Chrysene	1.661	0.39	1.988	0	83.5	51.6	120	0	0	0	
Indeno(1,2,3-cd)pyrene	2.028	0.39	1.988	0	102	50	120	0	0	0	
Surr: 2-Fluorobiphenyl	1.583	0	1.988	0	79.6	51.9	120	0	0	0	
Surr: 4-Terphenyl-d14	1.897	0	1.988	0	95.4	60.2	120	0	0	0	
Surr: Nitrobenzene-d5	1.613	0	1.988	0	81.1	45.6	120	0	0	0	

Sample ID: **1305N30-006AMSD**	Client ID: **DK-0513-SB-6-4'**			Units: **mg/Kg-dry**	Prep Date: **05/29/2013**	Run No: **244938**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS**	**SW8270D**		BatchID: **176712**	Analysis Date: **05/29/2013**	Seq No: **5129696**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benz(a)anthracene	3.052	0.39	1.988	0	154	52.4	120	1.884	47.3	26.6	SR
Benzo(a)pyrene	2.441	0.39	1.988	0	123	50.4	120	1.651	38.6	28.4	SR
Benzo(b)fluoranthene	3.243	0.39	1.988	0	163	54.1	120	1.886	52.9	30.2	SR
Chrysene	2.657	0.39	1.988	0	134	51.6	120	1.661	46.1	20.5	SR
Indeno(1,2,3-cd)pyrene	2.591	0.39	1.988	0	130	50	120	2.028	24.3	26.6	S
Surr: 2-Fluorobiphenyl	1.467	0	1.988	0	73.8	51.9	120	1.583	0	0	
Surr: 4-Terphenyl-d14	1.752	0	1.988	0	88.1	60.2	120	1.897	0	0	
Surr: Nitrobenzene-d5	1.509	0	1.988	0	75.9	45.6	120	1.613	0	0	

Qualifiers:

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

Client: Peachtree Environmental
Project Name: Davidson Kennedy
Workorder: 1305N30

ANALYTICAL QC SUMMARY REPORT

BatchID: 176745

Sample ID: **MB-176745** Client ID: Units: **mg/Kg** Prep Date: **05/29/2013** Run No: **244983**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **176745** Analysis Date: **05/30/2013** Seq No: **5130150**

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-176745** Client ID: Units: **mg/Kg** Prep Date: **05/29/2013** Run No: **244983**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **176745** Analysis Date: **05/30/2013** Seq No: **5130149**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	49.26	5.00	50.00	0	98.5	80	120	0	0	0	

Sample ID: **1305M03-011AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **05/29/2013** Run No: **244983**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **176745** Analysis Date: **05/30/2013** Seq No: **5130153**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	112.5	5.77	57.72	47.90	112	75	125	0	0	0	

Sample ID: **1305M03-011AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **05/29/2013** Run No: **244983**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **176745** Analysis Date: **05/30/2013** Seq No: **5130154**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	88.99	5.78	57.77	47.90	71.1	75	125	112.5	23.3	20	SR

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		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 24, 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: 1306F96

Analytical Environmental Services, Inc. received 2 samples on June 18, 2013 1:20 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 07/01/12-06/30/13.
-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 09/01/13.

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.

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: 1306F96

Date: 6/18/13 Page 1 of 1

COMPANY: PEACHTREE ENVIRONMENTAL
ADDRESS: 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)	Benzo(a)Pyrene Lead	PRESERVATION (See codes) 1	PRESERVATION (See codes) -	REMARKS	No # of Containers
1	DK-0613-SB-11-(0-2')	6/18/13	1145	✓		SO			✓		1
2	DK-0613-SB-11-4'		1200	✓		SO				HOLD	1
3	DK-0613-SB-12-(0-2')		1230	✓		SO		✓			1
4	DK-0613-SB-12-4'		1240	✓		SO				HOLD	1
5											
6											
7											
8											
9											
10											
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:	6/18/12 1328	1:	6/18/12 1320
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: Davidson-Kennedy
PROJECT #: 3185
SITE ADDRESS: ATLANTA, GEORGIA
SEND REPORT TO: Jason Chappell
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- (1) 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: HOLD 4' Samples.

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

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION 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:** 24-Jun-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0613-SB-11 (0-2')
Project Name:	Davidson Kennedy Site	**Collection Date:**	6/18/2013 11:45:00 AM
Lab ID:	1306F96-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C					**(SW3050B)**			
Lead	20.3	5.97		mg/Kg-dry	177551	1	06/19/2013 22:46	MR
PERCENT MOISTURE D2216								
Percent Moisture	18.8	0		wt%	R246628	1	06/21/2013 12:00	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:** 24-Jun-13

Client:	Peachtree Environmental	**Client Sample ID:**	DK-0613-SB-12 (0-2')
Project Name:	Davidson Kennedy Site	**Collection Date:**	6/18/2013 12:30:00 PM
Lab ID:	1306F96-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Benzo(a)pyrene	BRL	0.41		mg/Kg-dry	177603	1	06/19/2013 17:48	EI
Surr: 2-Fluorobiphenyl	67.4	51.9-120		%REC	177603	1	06/19/2013 17:48	EI
Surr: 4-Terphenyl-d14	90.8	60.2-120		%REC	177603	1	06/19/2013 17:48	EI
Surr: Nitrobenzene-d5	71.9	45.6-120		%REC	177603	1	06/19/2013 17:48	EI
PERCENT MOISTURE D2216								
Percent Moisture	19.3	0		wt%	R246628	1	06/21/2013 12:00	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.

Sample/Cooler Receipt Checklist

Client Peachtree Work Order Number 1306F96

Checklist completed by MJ 6/18/13
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 3.1° 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 ✓

Sample Condition: Good ✓ Adjusted? _____ Checked by _____

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: 1306F96

ANALYTICAL QC SUMMARY REPORT

BatchID: 177551

Sample ID: **MB-177551**	Client ID:			Units: **mg/Kg**	Prep Date: **06/19/2013**	Run No: **246389**
SampleType: **MBLK**	TestCode: **METALS, TOTAL**	**SW6010C**		BatchID: **177551**	Analysis Date: **06/19/2013**	Seq No: **5161952**

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									

Sample ID: **LCS-177551**	Client ID:			Units: **mg/Kg**	Prep Date: **06/19/2013**	Run No: **246389**
SampleType: **LCS**	TestCode: **METALS, TOTAL**	**SW6010C**		BatchID: **177551**	Analysis Date: **06/19/2013**	Seq No: **5161949**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	49.00	5.00	50.00		98.0	80	120				

Sample ID: **1306F21-002AMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **06/19/2013**	Run No: **246389**
SampleType: **MS**	TestCode: **METALS, TOTAL**	**SW6010C**		BatchID: **177551**	Analysis Date: **06/19/2013**	Seq No: **5161957**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	41.69	4.80	48.03	14.33	57.0	75	125				S

Sample ID: **1306F21-002AMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **06/19/2013**	Run No: **246389**
SampleType: **MSD**	TestCode: **METALS, TOTAL**	**SW6010C**		BatchID: **177551**	Analysis Date: **06/19/2013**	Seq No: **5161960**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	41.39	4.79	47.90	14.33	56.5	75	125	41.69	0.714	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 Site
Workorder: 1306F96

ANALYTICAL QC SUMMARY REPORT

BatchID: 177603

Sample ID: **MB-177603**	Client ID:			Units: **mg/Kg**	Prep Date: **06/19/2013**	Run No: **246402**
SampleType: **MBLK**	TestCode: **POLYAROMATIC HYDROCARBONS**	**SW8270D**		BatchID: **177603**	Analysis Date: **06/19/2013**	Seq No: **5163369**

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									
Surr: 2-Fluorobiphenyl	1.188	0	1.667		71.3	51.9	120				
Surr: 4-Terphenyl-d14	1.547	0	1.667		92.8	60.2	120				
Surr: Nitrobenzene-d5	1.290	0	1.667		77.4	45.6	120				

Sample ID: **LCS-177603**	Client ID:			Units: **mg/Kg**	Prep Date: **06/19/2013**	Run No: **246402**
SampleType: **LCS**	TestCode: **POLYAROMATIC HYDROCARBONS**	**SW8270D**		BatchID: **177603**	Analysis Date: **06/19/2013**	Seq No: **5163371**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.207	0.33	1.667		72.4	60	120				
Surr: 2-Fluorobiphenyl	1.336	0	1.667		80.2	51.9	120				
Surr: 4-Terphenyl-d14	1.608	0	1.667		96.5	60.2	120				
Surr: Nitrobenzene-d5	1.413	0	1.667		84.8	45.6	120				

Sample ID: **1306F17-001BMS**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **06/19/2013**	Run No: **246402**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS**	**SW8270D**		BatchID: **177603**	Analysis Date: **06/20/2013**	Seq No: **5163385**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.199	0.39	1.979		60.6	50.4	120				
Surr: 2-Fluorobiphenyl	1.233	0	1.979		62.3	51.9	120				
Surr: 4-Terphenyl-d14	1.538	0	1.979		77.7	60.2	120				
Surr: Nitrobenzene-d5	1.356	0	1.979		68.5	45.6	120				

Sample ID: **1306F17-001BMSD**	Client ID:			Units: **mg/Kg-dry**	Prep Date: **06/19/2013**	Run No: **246503**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS**	**SW8270D**		BatchID: **177603**	Analysis Date: **06/20/2013**	Seq No: **5165920**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.191	0.39	1.981		60.1	50.4	120	1.199	0.662	28.4	

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: 1306F96

ANALYTICAL QC SUMMARY REPORT

BatchID: 177603

Sample ID: **1306F17-001BMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **mg/Kg-dry** Prep Date: **06/19/2013** Run No: **246503**
BatchID: **177603** Analysis Date: **06/20/2013** Seq No: **5165920**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	1.290	0	1.981		65.1	51.9	120	1.233	0	0	
Surr: 4-Terphenyl-d14	1.641	0	1.981		82.9	60.2	120	1.538	0	0	
Surr: Nitrobenzene-d5	1.336	0	1.981		67.5	45.6	120	1.356	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		