PHASE I ENVIRONMENTAL SITE ASSESSMENT

PARAMOUNT PARKWAY FIRE STATION
APPROXIMATELY 4.14 ACRES
MORRISVLILLE, NORTH CAROLINA 27560

PREPARED FOR:

TOWN OF MORRISVILLE
260 TOWN HALL DRIVE, SUITE B
MORRISVILLE, NORTH CAROLINA 27560

PREPARED BY:

TIMMONS GROUP
5410 TRINITY ROAD, SUITE 102
RALEIGH, NORTH CAROLINA 27607

Inspection Date: March 26, 2026
Report Publication Date: April 15, 2026
Report Expiration Date: September 22, 2026

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STATEMENT OF QUALIFICATIONS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed "all appropriate inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

Alyssa Grecky, WPIT
Environmental Scientist I

Tallis Donnelly
Environmental Scientist I

Lauren Norris-Heflin
Environmental Project Manager

1.0 EXECUTIVE SUMMARY

At the request of the Town of Morrisville (hereafter the "User"), and in accordance with 40 CFR Part 312 and ASTM Standard E 1527-21, Timmons Group completed a Phase I Environmental Site Assessment (ESA) of a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina (hereafter the "Subject Property"). Based on our understanding, the Subject Property is under evaluation for development of a fire station.

This assessment was completed to evaluate the presence of Recognized Environmental Conditions (RECs) associated with the Subject Property or adjoining properties based on a review of reasonably available environmental resource information and/or site observations. The assessment was also performed to allow the User to qualify for Landowner Liability Protections (LLPs), including the Bona Fide Prospective Purchaser (BFPP) liability protection, available under federal and state law. RECs are defined by ASTM standards as 1) *the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment;* 2) *the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; and* 3) *the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.*

Likewise, this Phase I ESA evaluated the presence of Historical RECs (HRECs) and/or Controlled RECs (CRECs) as defined by ASTM standards. A HREC is defined as *when contamination on a property has been addressed to the satisfaction of the regulatory agency and no use or other restrictions remain on the property.* A CREC is defined as *a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity use limitations, institutional controls and/or engineering controls).*

Subject Property Description

The Subject Property is comprised of a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina. Undeveloped forest and maintained grassy strip compose the Subject Property.

Bordering the Subject Property are: undeveloped forest, Paramount Parkway, commercial office buildings and parking lots to the north; Paramount Parkway and a parking lot border to the east; a commercial office building and parking lot border to the south; and undeveloped forest borders to the west.

Environmental Conditions on the Subject Property and Adjoining Properties

As a result of the Phase I ESA, RECs were not identified for the Subject Property or adjoining properties as defined by ASTM Standard E 1527-21.

Data Gaps

No significant data gaps were encountered during the completion of this Phase I ESA.

Conclusions and Recommended Response Actions

Timmons Group completed a Phase I ESA of a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina. Based on the results, RECs were not identified for the Subject Property or adjoining properties as defined by ASTM Standard E 1527-21. Therefore, Timmons Group recommends no further action.

2.0 INTRODUCTION

2.1 General Subject Property Description

The Subject Property is comprised of a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina (Appendix 1). Property information, collected from Wake County GIS, is included in Appendix 2.

2.2 Current Use of the Subject Property

The Subject Property consists of undeveloped forest and maintained lawn.

2.3 Description of Subject Property Structures

No structures are present on the Subject Property.

2.4 Subject Property Utilities

A fiber optic cable and water supply infrastructure are present along the periphery of the Subject Property along Paramount Parkway.

2.5 Current Use of Adjoining Properties

Adjoining Properties	
North:	Undeveloped forest, Paramount Parkway, commercial office buildings, and parking lots
East:	Paramount Parkway and a parking lot
South:	Commercial office building and parking lot
West:	Undeveloped forest

2.6 Purpose and Scope of Services

This Phase I ESA was conducted in accordance with 40 CFR Part 312 and ASTM Standard E 1527-21 and was performed to identify RECs based on a review of reasonably accessible environmental resource information in conjunction with site observations. The assessment was also performed to allow the User to qualify for LLPs, including BFPP liability protection, available under federal and state law. RECs are defined by ASTM as *the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to release to the environment; under conditions indicative of a release to the environment or under conditions that pose a material threat of future release*. The term includes hazardous substances or petroleum products even under conditions of regulatory compliance. The term is not intended to include *de minimis* conditions that *generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies*.

The purpose of this report is to provide the User with a Phase I ESA of a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina. The scope of work for preparing this assessment included the following:

- reviewing reasonably available federal and state environmental regulatory records,
- site reconnaissance,
- interviews,
- reviewing and evaluating reasonably available historical maps and data regarding the Subject Property and immediate vicinity, and
- preparing a Phase I ESA report.

2.7 Limitations and Exceptions of the Assessment

This report was prepared solely for the User in accordance with the agreed upon scope of services. The conclusions provided in this report are based only on the information contained in this document. Additional information with respect to this site or nearby sites, which was not available at the time this assessment was prepared, could modify the conclusions stated herein. This report has been prepared in accordance with ASTM Standard E 1527-21; no other warranty, expressed or implied, is made as to the professional advice provided under the terms of the agreement between the User and Timmons Group, as discussed below.

Timmons Group was retained to complete a Phase I ESA to evaluate the presence of RECs and/or areas of potential environmental concern either on-site or on the adjoining properties that could affect the environmental integrity of the Subject Property. In addition, per ASTM Standard E 1527-21, this Phase I ESA is only valid up to 180 days following the earliest date of any of the five main EPA All Appropriate Inquiry components (interview with owners, operators, and occupants; review of government records; site reconnaissance; declaration by the environmental professional; and searches for recorded environmental cleanup liens). Estimates, plans or specifications, soil and/or groundwater testing, asbestos inspection, lead-based paint inspection, geotechnical or remedial recommendations or activities other than described herein were not included under the scope of services.

All Appropriate Inquiry Components	Publication Date	Expiration Date
Site Reconnaissance	03/26/2026	09/22/2026
Declaration by the Environmental Professional	04/15/2026	10/12/2026
Searches for Recorded Environmental Cleanup Liens	04/07/2026	10/04/2026
User Questionnaire	04/07/2026	10/04/2026
Property Owner Questionnaire	03/26/2026	09/22/2026
Database Report	03/26/2026	09/22/2026

2.8 Special Terms and Conditions

No special terms or conditions applied to the completion of this Phase I ESA.

2.9 Methodology Used

This Phase I ESA was performed in conformance with the scope and limitations of ASTM Standard E 1527-21. Timmons Group reviewed reasonably available federal and state environmental regulatory records, historical maps, and data regarding the Subject Property and immediate vicinity. The User (i.e., the party for whom the Phase I ESA was prepared), current landowner and government officials were contacted, as necessary, to obtain additional information pertaining to the Subject Property. Alyssa Grecky of Timmons

Group completed site reconnaissance on March 26, 2026, to determine if any RECs and/or areas of potential environmental concern were present on the Subject Property.

2.10 User Reliance

This Phase I ESA (the “Report”) was prepared exclusively for the User, their affiliated entities, successors and/or assigns, and reliance is accordingly extended to designated third parties. All limitations and conditions associated with the Report therefore remain in effect and transfer along with this authorization of reliance. Reliance is subject to the scope of work and the terms and conditions under which the Report was prepared for the User.

3.0 USER PROVIDED INFORMATION

In order to qualify for LLPs under the *Comprehensive Environmental Response, Compensation, and Liability Act* (CERCLA), the User (i.e., the prospective property owner) or the User's chosen representative must complete the ASTM Standard E 1527-21 User Questionnaire. Failure to provide this information could result in the determination that "all appropriate inquiry" is not complete, and therefore, the forfeiture of CERCLA protection. Eric J Pearson, representative of the Town of Morrisville, completed the ASTM Standard E 1527-21 User Questionnaire (Appendix 3), and the information recited thereto is incorporated herein by reference. This questionnaire satisfies the requirement for User-provided information.

4.0 RECORDS REVIEW

4.1 Physical Setting

4.1.1 Regional Geology

The Subject Property is located in the Piedmont Physiographic Province of North Carolina, which generally consists of rolling, well-rounded hills, and ridges with a few hundred feet of elevation difference between the hills and valleys. Elevations in the Piedmont range from 300 to 600 feet above sea level near its border with the Coastal Plain to 1,500 feet at the foot of the Blue Ridge Province. The Piedmont Physiographic Province is also underlain by crystalline bedrock formations that exhibit a high degree of geologic complexity and are overlain by a mantle of residual soil and saprolite. Saprolite is the product of in-situ chemical weathering of the crystalline bedrock that often retains the fabric, texture and structure of the parent rock. Saprolite is typically thickest on hilltops and in stream valleys and thinnest or absent altogether on hillsides (Medina, Reid, and Carpenter, 2004).

With reference to the above, the 2004 Generalized Geologic Map of North Carolina identifies the Subject Property as being underlain by Newark Supergroup, Chatham Group; Chatham Group, Undivided (map label TRc) which is described as: *conglomerate, fanglomerate, sandstone, and mudstone. Conglomerate and fanglomerate shown by pattern.*

4.1.2 Hydrogeology

The 2022 U.S. Geological Survey (USGS) Cary, North Carolina 7.5 Minute Topographic Quadrangle Map was reviewed to extrapolate groundwater characteristics in the area of the Subject Property. Groundwater is generally expected to flow to the east towards Stirrup Iron Creek (Appendix 1).

4.1.3 Topography

According to the 2022 USGS Cary, North Carolina 7.5 Minute Topographic Quadrangle Map, and visual observations, the topography on the majority of the Subject Property slopes downgradient towards the eastern boundary with approximate elevations from 370 to 350 feet above mean sea level (Appendix 1). The southwestern corner of the Subject Property slopes downgradient towards the western boundary with approximate elevations from 370 to 360 feet above mean sea level.

4.1.4 Soils

The U.S. Department of Agriculture Natural Resources Conservation Service soil data was utilized to detail the nature of the underlying soil units of the Subject Property (Appendix 1). Following review, the underlying soils of the Subject Property are classified as Carbonton-Brickhaven complex (2-6% slopes), Carbonton-Brickhaven complex (6-10% slopes), Creedmoor-Green Level complex (6-10% slopes), and Urban Land. All units are classified as non-hydric.

4.1.5 Floodplain

The Federal Emergency Management Agency National Flood Hazard Layer (NFHL) was utilized to determine if the Subject Property is located within a floodplain (Appendix 1). According to the NFHL, the Subject Property is located in Zone X, which is outside of the 0.2% annual chance flood hazard zone.

4.1.6 Wetlands

The National Wetland Inventory (NWI) dataset was utilized to identify areas of potential wetlands (Appendix 1). The NWI does not depict any features within the Subject Property. Timmons Group recently conducted a wetland delineation which will be submitted under separate cover.

4.2 Regulatory Database Review

Timmons Group retained Environmental Risk Information Services (ERIS) to complete a computer regulatory database search to identify contemporary and/or past uses of the Subject Property and surrounding properties that may currently present a material threat of a release, or have contributed to a release, of hazardous materials and petroleum products, with the potential to impact the Subject Property or that may have already impacted the Subject Property (Appendix 4). Timmons Group reviewed the ASTM listed databases, at the specified search radii as detailed by the following table, in addition to proprietary databases provided by ERIS.

Federal Databases	Search Radius	Government Publication Date[1]
NPL (National Priority List)	1 mile	01/18/2026
DELETED NPL	0.5 mile	01/18/2026
SEMS (Superfund Enterprise Management System)	0.5 mile	12/26/2025
SEMS-ARCHIVE	0.5 mile	12/26/2025
RCRA CORRACTS (Resource Conservation and Recovery Act – Corrective Action Report)	1 mile	11/30/2025
RCRA-TSD (RCRA – Treatment, Storage and Disposal)	0.5 mile	11/30/2025
RCRA-LQG (RCRA – Large Quantity Generators)	0.25 mile[2]	11/30/2025
RCRA-SQG (RCRA – Small Quantity Generators)	0.25 mile[2]	11/30/2025
RCRA-VSQG (RCRA – Very Small Quantity Generators)	0.25 mile[2]	11/30/2025
FED ENG (Federal Engineering Controls)	0.25 mile[2]	01/30/2026
FED INST (Federal Institutional Controls)	0.25 mile[2]	01/30/2026
ERNS (Emergency Response Notification System)	Subject Property Only	11/30/2025
State Databases	**Search Radius**	**Government Publication Date[1]**
SWF/LF (Solid Waste Facilities and Landfills)	0.5 mile	02/09/2026
LUST (Leaking Petroleum Storage Tanks)	0.5 mile	09/25/2025
LAST (Leaking Aboveground Storage Tanks)	0.5 mile	07/18/2025
UST (Underground Storage Tanks)	0.25 mile[2]	03/02/2026
AST (Aboveground Storage Tanks)	0.25 mile[2]	08/22/2025
INST (State Institutional Controls)	0.25 mile[2]	07/02/2025
VCP (Responsible Party Voluntary Action Sites)	0.5 mile	07/02/2025
BROWNFIELDS	0.5 mile	02/26/2026

Notes:
1. Government Publication Date = Per the Appendix regarding Database Descriptions within the ERIS Database Report, the extent of historical information varies with each database and current information is determined by what is publicly available at the time of update per ASTM standards (ASTM Standard E 1527-21/2247-23, Section 8.1.8).
2. The referenced databases were expanded beyond the ASTM standards of "Subject Property only" or "Subject Property and adjoining properties" to include properties within 0.25–0.5 mile radius.

4.2.1 Federal Database Review

According to the ERIS Database Report, the Subject Property is not identified on any of the reviewed federal databases (Appendix 4). One *NPL*, one *RCRA NON GEN (RCRA Non-Generator)*, and one *Superfund ROD* (*Superfund Decision Document*) listings are identified in the vicinity of the Subject Property and within the specified search radii. However, following review and based on regulatory status, distance, and/or the extrapolated direction of groundwater flow, the listings do not represent RECs.

4.2.2 State Database Review

According to the ERIS Database Report, the Subject Property is not identified on any of the reviewed state databases (Appendix 4). Two *SHWS (Inactive Hazardous Sites and Federal Remediation Branch Sites)* one *HSDS (Hazard Substance Disposal Sites)*, and one *LUST*, listings are identified in the vicinity of the Subject Property and within the specified search radii. However, following review and based on regulatory status, distance, and/or the extrapolated direction of groundwater flow, the listings do not represent RECs.

4.2.3 Supplementary Database Review

According to the ERIS Database Report, the Subject Property is not identified on any of the reviewed supplementary environmental databases (Appendix 4). One *ALT FUELS (Alternative Fueling Stations)*, one *SSTS (Registered Pesticide Establishments)*, one *HAZ (Hazardous Waste Site)*, and three *Tier 2 (Tier 2 Report)* listings are identified in the vicinity of the Subject Property and within the specified search radii. However, following review and based on regulatory status, distance, and/or the extrapolated direction of groundwater flow, the listings do not represent RECs.

4.2.4 Unplottable Summary

Unplottable sites are facilities with inadequate address information to map correctly. The ERIS Database Report identified three unplottable sites within the vicinity of the Subject Property (Appendix 4). However, following review and based on regulatory status, distance, and/or the extrapolated direction of groundwater flow, the listings do not represent RECs.

4.3 Historical Use Information

4.3.1 Historical Aerial Photographs

Historical aerial photographs were obtained from ERIS for various years between 1938 and 2025, with Google Earth historical imagery also being utilized for further analysis of the Subject Property and surrounding area (Appendix 5). The Subject Property has historically consisted of undeveloped forest and agricultural fields. Paramount Parkway was developed along the eastern boundary of the Subject Property sometime between 1998 and 2004. The adjoining properties have historically consisted of forested areas and agricultural fields with increased commercial and residential development since 1998.

4.3.2 Historical Directories

ERIS conducted a historical address directory search for the area surrounding the Subject Property for various years from 1967 to 2024 (Appendix 6). No published listings appear for the area until 1996. The Subject Property address was not referenced. Over time, the adjoining properties have largely consisted of commercial and light industrial businesses such as Atlantic Telecom, CSP Operating Partnership LP, Furiex Pharmaceuticals Inc, LSSI Data, Pharmaceutical Product Development, Thermo Fisher Scientific, Garman Homes, UCB Biosciences Inc, Spectrum, Time Warner Cable, Liggettt Vector Brands Inc, and Bayer.

4.3.3 Historical Topographic Maps

Historical topographic maps for the Subject Property and surrounding area were obtained through ERIS for various years from 1943 to 2022 (Appendix 7). Historically, the Subject Property has been depicted as forested and cleared land. The adjoining properties have historically consisted of forested areas and cleared land. The forested areas decreased over time as commercial and residential development expanded.

4.3.4 Fire Insurance Maps

Per ERIS, fire insurance maps were unavailable for the Subject Property and surrounding area (Appendix 8).

4.3.5 Environmental Lien Search

Through User-provided information and a FOIA request sent to the Town of Morrisville, no environmental liens or activity and use limitations were identified for the Subject Property (Appendix 3).

4.3.6 Previous Reports

Timmons Group was provided with a previous Phase I ESA completed by Tetra Tech, Inc. (Tetra Tech) for the adjacent property to the west dated November 4, 2020 (Appendix 9). The previous Phase I ESA did not identify any RECs for the 2.5-acre site or the adjoining properties.

Timmons Group was provided with a Limited Environmental Review by Mid-Atlantic Associates, Inc. (Mid-Atlantic) completed on May 31, 2022 (Appendix 9). The report included the Subject Property and an adjoining property. The Limited Environmental Review contained a summary of two Phase I ESA's and a Phase II Limited Environmental Site Assessment. No RECs were identified for the Subject Property or adjoining properties.

4.3.7 Interviews

The ASTM Standard E 1527 Property Owner Questionnaire was completed by Margaret Sutter, Director of Wake County Public School System Real Estate Services, on March 26, 2026. The questionnaire indicated a Stormwater Control Measure (SCM) pond was present on site. The referenced SCM is located on the same parcel as the Subject Property but is not within the Subject Property boundary. The questionnaire confirmed that the current use is vacant wooded land (Appendix 3).

Alyssa Grecky of Timmons Group submitted a FOIA request to the Town of Morrisville, via the Town's online records request system on March 24, 2026, to request Town records and obtain emergency response information on any RECs in connection with the Subject Property. On April 14, 2026, the Town of Morrisville Clerk responded with six reports associated with the parcel that the Subject Property is a portion of (Appendix 9). The reports include:

- A Limited Environmental Review by Mid-Atlantic Associates dated May 31, 2022. This report was also provided by the User and detailed in Section 4.3.6.
- A Reliance Letter for the Limited Environmental Review by Mid-Atlantic dated May 31, 2022
- A Preliminary Geotechnical Report by S&ME dated July 8, 2022.
- A Phase I ESA by Tetra Tech dated November 4, 2020. This report was also provided by the User and detailed in Section 4.3.6.
- A Letter from Eric Pearson with the Town of Morrisville reviewing the Phase I ESA by Tetra Tech. After review of the Phase I ESA, the Town of Morrisville determined they could move forward with the purchase and development of the site.
- A Phase II Limited Environmental Site Assessment (LESA) by Withers & Ravenel dated May 25, 2005. The Phase II LESA assessed an 81.36-acre property that included the southwestern portion of the Subject Property. The Phase II LESA was completed to assess soil conditions in areas of the site containing ASTs, containers with petroleum, and tobacco barns. All areas of concern are located outside of and are sloping away from the Subject Property, with the nearest area located approximately 0.08-miles south-southwest. The tanks, buckets, and drums were removed from the site. Some soil contamination was found under buckets of petroleum and under drums containing a thick oil substance. Contaminated soil was removed. Soil samples taken after excavation showed all constituents were below laboratory detection limits or below NC DEQ standards. The report recommended that no additional assessment was needed.

5.0 SITE RECONNAISSANCE

Alyssa Grecky of Timmons Group completed site reconnaissance on March 26, 2026, which included walking the site perimeter and transects across the Subject Property to visually observe existing conditions and identify RECs and/or areas of potential environmental concern. Photographs documenting the site reconnaissance are included as Appendix 9.

5.1 Hazardous Substances and/or Petroleum Products

No hazardous substances or petroleum products were observed on the Subject Property.

5.2 Storage Tanks

No storage tanks were observed on the Subject Property.

5.3 Vapor Migration

Per ASTM Standard E 2600-22, as referenced by ASTM Standard E 1527-21, evidence of suspect vapor migration or potential sources of subsurface vapors were not identified for the Subject Property.

5.4 Poly-Chlorinated Biphenyls (PCBs)

No machinery containing PCBs was observed on the Subject Property.

5.5 Heating and Cooling

No heating and cooling systems are present on the Subject Property.

5.6 Stained Soil/Pavement and/or Stressed Vegetation

No stained soil/pavement and/or stressed vegetation was observed on the Subject Property.

5.7 Pits, Ponds and/or Lagoons/Pools of Liquids

No pits, ponds, and/or lagoons/pools of liquids are present on the Subject Property.

5.8 Odors

Strong, pungent, or noxious odors were not detected on the Subject Property.

5.9 Drains and/or Sumps

A culvert is located in the southeastern corner of the Subject Property that is suspected to discharge into the local stormwater management system. However, based on the historical usage of the Subject Property, the culvert does not represent a REC.

5.10 Railroad Tracks

Railroad tracks were not observed on the Subject Property.

5.11 Wells

No groundwater wells were observed on the Subject Property.

5.12 Discarded and Solid Waste Materials

A minimal volume of solid waste is present on the Subject Property that largely consists of general debris and refuse. Such solid waste qualifies as a *de minimis* condition and does not represent a REC.

5.13 Adjoining Properties

As a result of site reconnaissance and information gained from the ERIS regulatory database search, the following observations were made for the adjoining properties:

Hazardous Substances and/or Petroleum Products
No evidence of hazardous substances and/or petroleum products was observed on the adjoining properties.

Storage Tanks
No storage tanks were observed on the adjoining properties.

Vapor Migration
Per ASTM Standard E 2600-22, as referenced by ASTM Standard E 1527-21, potential sources of vapor migration are not suspected of originating from the adjoining properties.

Poly-Chlorinated Biphenyls (PCBs)
No machinery containing PCBs was observed on the adjoining properties.

Heating and Cooling
The immediately adjoining properties utilize electrically powered and/or propane-fueled heating systems and electrically powered air conditioning systems, none of which represent RECs.

Stained Soil/Pavement and/or Stressed Vegetation
Light petroleum staining is present in the adjoining parking lots and roadways. Such staining is considered typical based on the usage and does not represent a REC.

Pits, Ponds and/or Lagoons/Pools of Liquid
There are stormwater ponds located on several adjoining properties. Based on use, these ponds do not represent RECs.

Odors
No odors were found to be emanating from the adjoining properties.

Drains and/or Sumps
Several storm drains are located on the adjoining properties and roadways that are suspected to discharge into the county/city stormwater management system. However, based on the current usage, the storm drains do not represent RECs.

Railroad Tracks
Railroad tracks were not observed on the adjoining properties.

Wells
No groundwater wells were observed on the adjoining properties.

Discarded and Solid Waste Materials
A minimal volume of solid waste is present on the adjoining properties and roadways that largely consists of general household debris. Such solid waste qualifies as a *de minimis* condition, which does not represent a REC.

6.0 EVALUATION

6.1 Findings

Timmons Group has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527 a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina. Any exceptions to, or deletions from, this practice are described in Sections 2.6 and 2.7 of this report. This assessment has revealed no evidence of RECs for the Subject Property or adjoining properties.

6.2 Data Gaps

No significant data gaps were encountered during the completion of this Phase I ESA.

6.3 Opinions for Additional Investigation

Following a review of reasonably accessible federal and state environmental regulatory records and standard historical resources, in conjunction with site reconnaissance, Timmons Group recommends no further assessment to satisfy due diligence requirements as prescribed by ASTM standards.

6.4 Conclusions and Recommendations

Timmons Group completed a Phase I ESA of a portion of one parcel (PIN: 0746961763) totaling approximately 4.14 acres located at 4001 Paramount Parkway in the Town of Morrisville, Wake County, North Carolina. Based on the results, RECs were not identified for the Subject Property or adjoining properties as defined by ASTM Standard E 1527-21. Therefore, Timmons Group recommends no further action.

7.0 REFERENCES

ASTM Standard E 1527-21 Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental Risk Information Services Inc., March 26, 2026. City Directory. Report ID: 26032400823.

Environmental Risk Information Services Inc., March 26, 2026. Database Report. Report ID: 26032400823.

Environmental Risk Information Services Inc., March 25, 2026. Fire Insurance Maps. Report ID: 26032400823.

Environmental Risk Information Services Inc., March 27, 2026. Historical Aerials. Report ID: 26032400823.

Environmental Risk Information Services Inc., March 25, 2026. Physical Setting Report. Report ID: 26032400823p.

Environmental Risk Information Services Inc., March 25, 2026. Topographic Maps. Report ID: 26032400823.

Federal Emergency Management Agency, 2026. National Flood Hazard Layer, Flood Insurance Rate Map, Wake County, North Carolina.

Medina, M.A., Reid, J.C., and Carpenter, R.H., 2004. North Carolina Geological Survey, Division of Land Resources, Physiography of North Carolina.

State of North Carolina, Division of Land Resources, Physiography of North Carolina, 2004.

United States Fish and Wildlife Service, 2026. National Wetlands Inventory Map: Town of Morrisville, North Carolina.

USDA Natural Resource Conservation Service, 2026. Web Soil Survey, National Cooperative Soil Survey, Town of Morrisville, North Carolina.

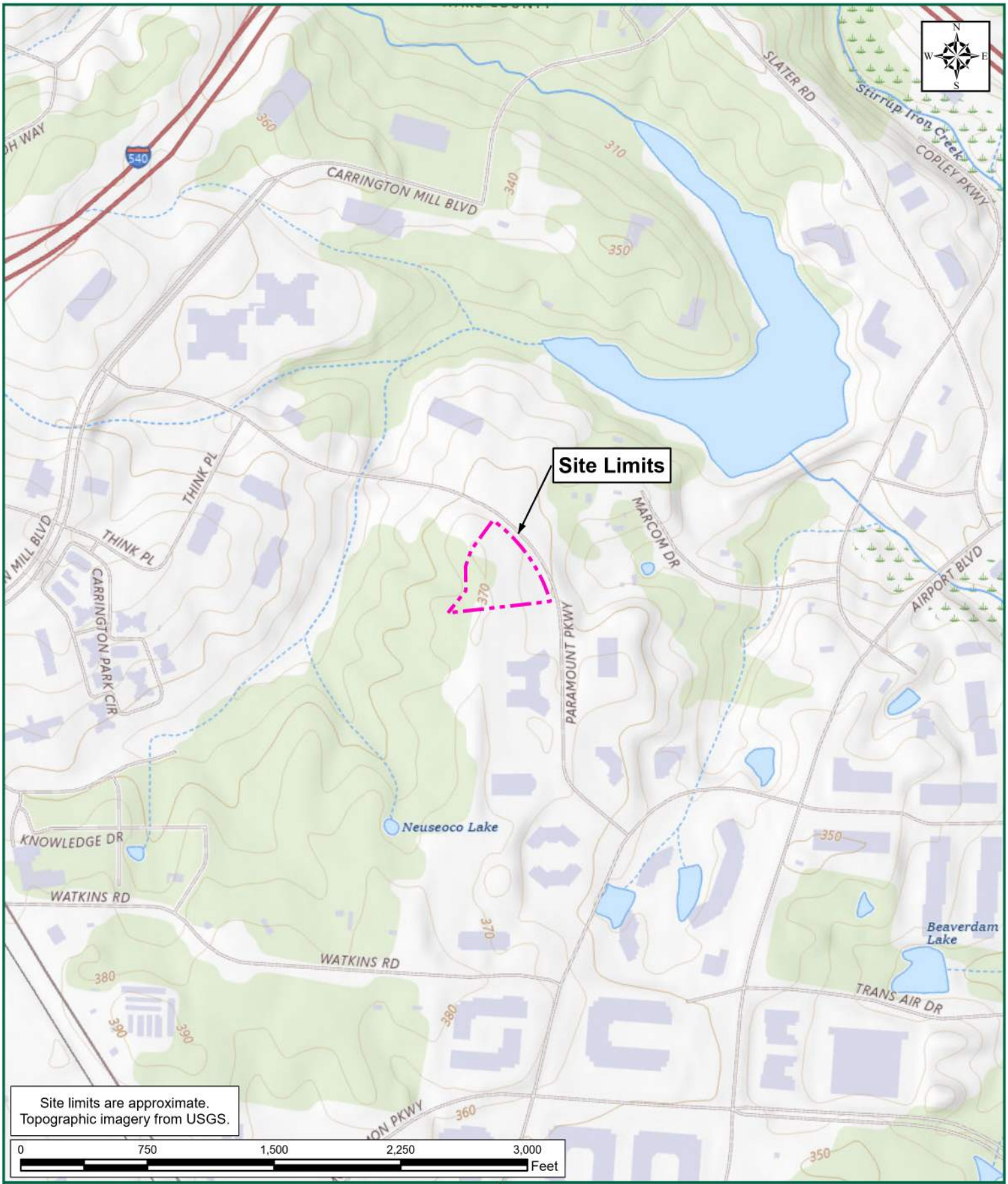
USGS 2022, 7.5 Minute Series Cary, North Carolina, Topographic Quadrangle Map, 1:24000 scale.

APPENDICES

APPENDIX 1

Subject Property Mapping and Physical Setting Report

Path: Y:\805\69593.003 - Morrisville Fire Station 22\GIS\MorrisvilleFireStation22Mapping\MorrisvilleFireStation22Mapping.aprx



Site limits are approximate.
Topographic imagery from USGS.

0 750 1,500 2,250 3,000 Feet

Paramount Parkway Fire Station

WAKE COUNTY, NORTH CAROLINA

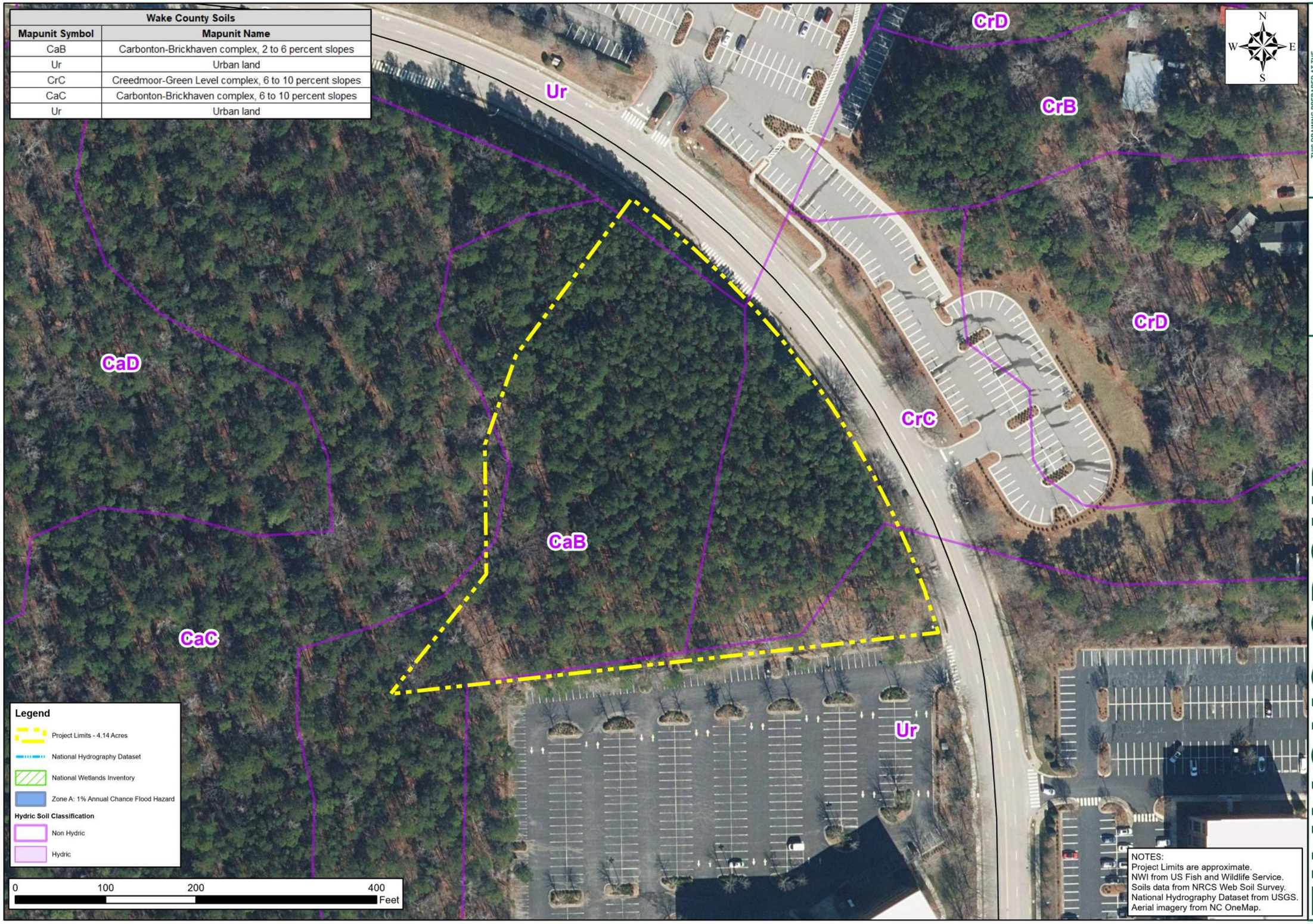
VICINITY MAP

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

TIMMONS GROUP JOB NUMBER: *69593.003*
PROJECT STUDY LIMITS: *4.14 ACRES*
LATITUDE: *35.8575624°N*
LONGITUDE: *-78.8313547°W*

U.S.G.S. QUADRANGLE(S): *CARY, NC*
DATE(S): *2022*
WATERSHED(S): *UPPER NEUSE (NEUSE RIVER BASIN)*
HYDROLOGIC UNIT CODE(S): *03020201*

Wake County Soils	
Mapunit Symbol	**Mapunit Name**
CaB	Carbonton-Brickhaven complex, 2 to 6 percent slopes
Ur	Urban land
CrC	Creedmoor-Green Level complex, 6 to 10 percent slopes
CaC	Carbonton-Brickhaven complex, 6 to 10 percent slopes
Ur	Urban land



Legend

- Project Limits - 4.14 Acres
- National Hydrography Dataset
- National Wetlands Inventory
- Zone A: 1% Annual Chance Flood Hazard

Hydric Soil Classification

- Non Hydric
- Hydric

0 100 200 400 Feet

NOTES:
Project Limits are approximate.
NWI from US Fish and Wildlife Service.
Soils data from NRCS Web Soil Survey.
National Hydrography Dataset from USGS.
Aerial imagery from NC OneMap.

THIS DRAWING PREPARED AT THE CORPORATE OFFICE
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Site Development | Residential | Infrastructure | Technology | Environmental

DATE	REVISION DESCRIPTION

DATE 03/31/2026
DRAWN BY E. MITCHELL
DESIGNED BY E. MITCHELL
CHECKED BY A. GRECKY
SCALE 1" = 100'

TIMMONS GROUP

Paramount Parkway Fire Station
WAKE COUNTY, NORTH CAROLINA

ENVIRONMENTAL INVENTORY MAP

JOB NUMBER 69593.003
SHEET NO. 1 OF 1

Path: Y:\80\69593.003 - Morrisville Fire Station 22\GIS\MorrisvilleFireStation22Mapping\MorrisvilleFireStation22Mapping.aprx

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		26032400823p
Date Completed:		March 25, 2026
Project Number:		69593.003
Project Property:		Wake Tech Community College - Fire Station Paramount Parkway Morrisville NC
Coordinates:		
	Latitude:	35.85756958
	Longitude:	-78.83135784
	UTM Northing:	3970322.4397 Meters
	UTM Easting:	695820.2138 Meters
	UTM Zone:	UTM Zone 17S
	Elevation:	365.80 ft
	Slope Direction:	ENE

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information

Current USGS Topo (2022)

0 0.17 0.35 0.7 Miles

N

Quadrangle(s): Cary,NC

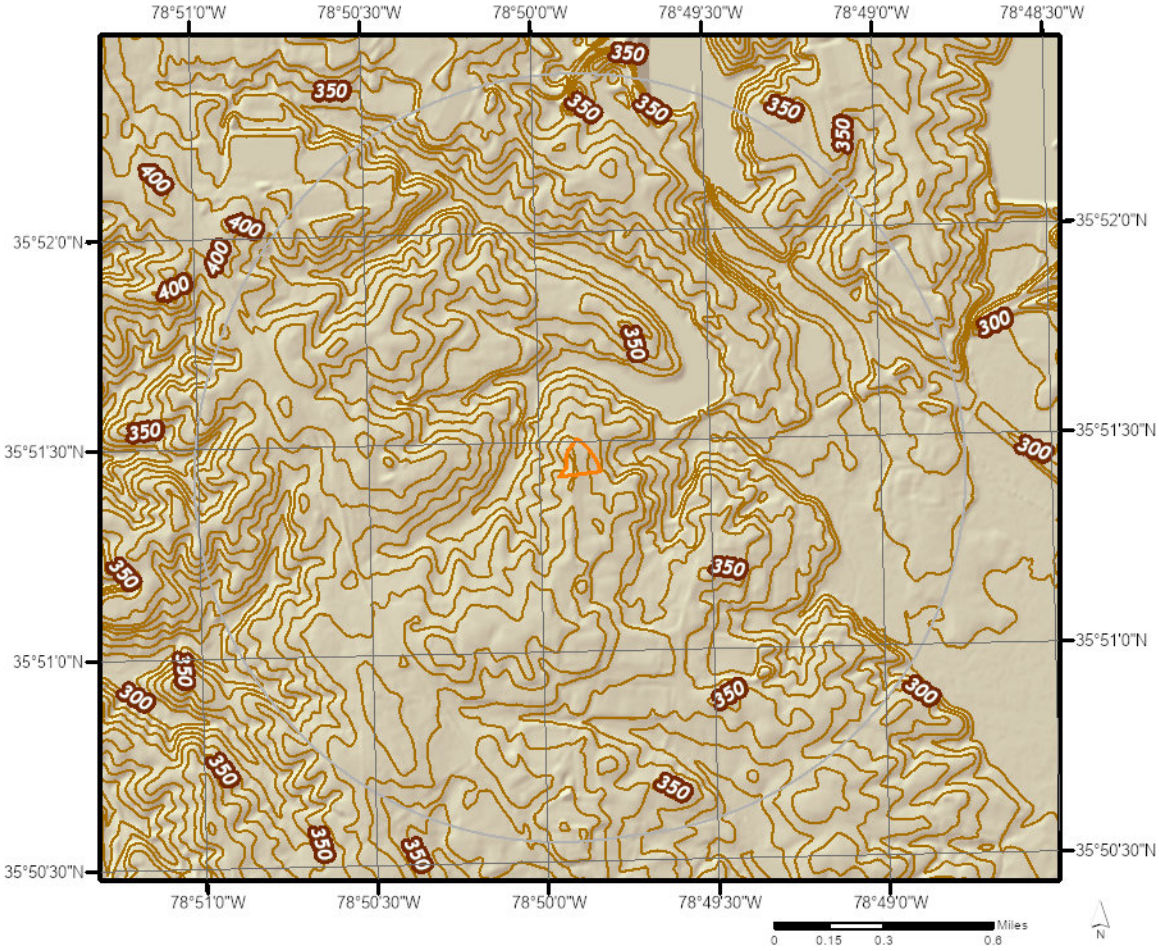
Source: USGS 7.5 Minute Topographic Map

Topographic Information

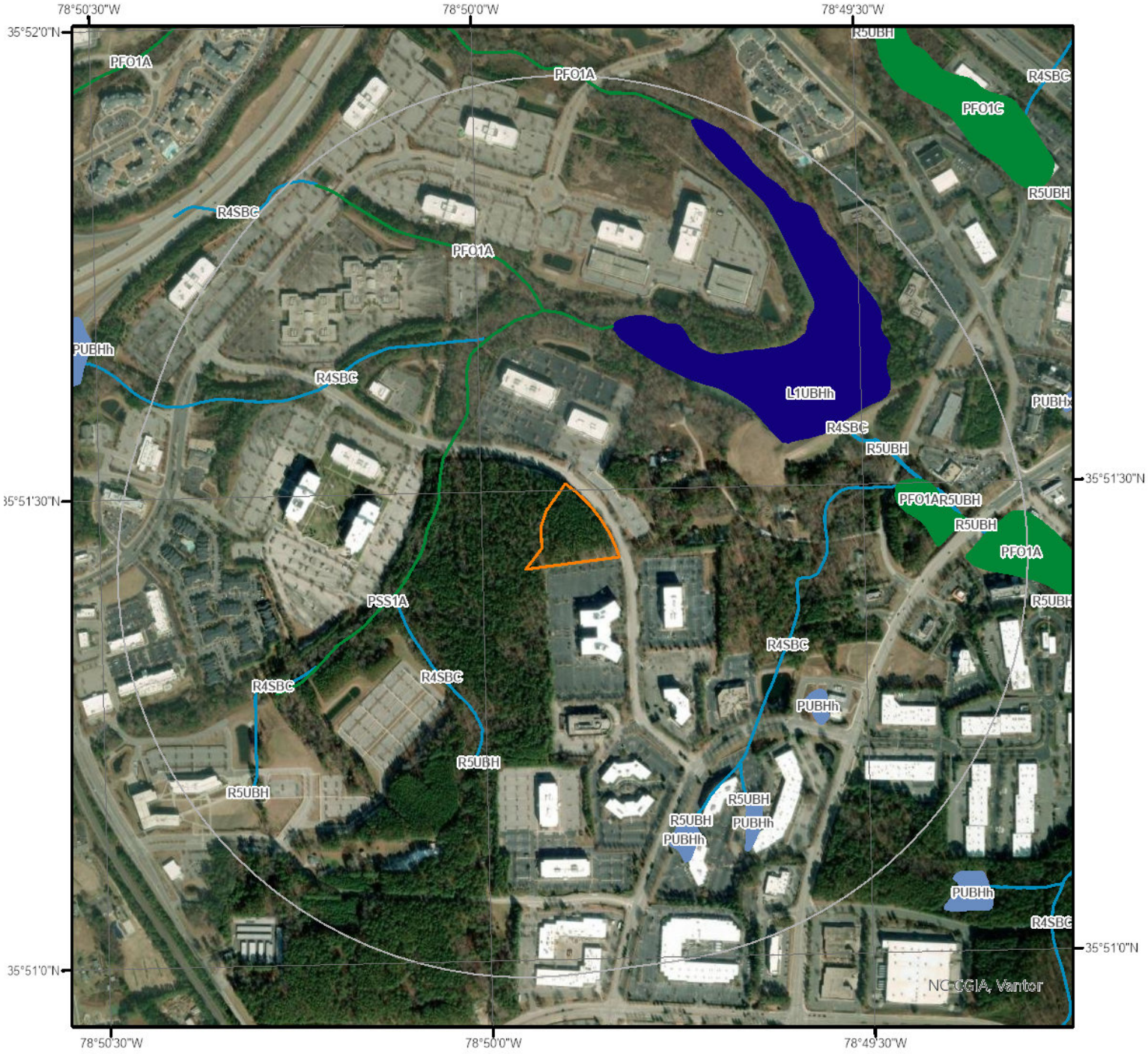
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	365.80 ft
Slope Direction:	ENE



Hydrologic Information



Wetland

Miles
0 0.15 0.3

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information

Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlayed. An absent FIRM panel represents no data available.

Miles
0 0.1 0.19

N

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Cary,NC

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Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	3720074600K(effective:2022-07-19) 3720075600K(effective:2022-07-19)

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone AE-11

Zone:	AE
Zone subtype:	FLOODWAY

Flood Zone X-07

Zone:	X
Zone subtype:	1 PCT FUTURE CONDITIONS

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

N

0 0.1 0.3 Miles

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Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit TRc

Unit Name:	Newark Supergroup, Chatham Group; Chatham Group, Undivided
Unit Age:	Triassic
Primary Rock Type:	Conglomerate
Secondary Rock Type:	Sandstone
Unit Description:	Conglomerate, fanglomerate, sandstone, and mudstone. Conglomerate and fanglomerate shown by pattern.

Soil Information

SSURGO Soils

N

0 0.1 0.3 Miles

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

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Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit CaB (8.32%)

Map Unit Name:	Carbonton-Brickhaven complex, 2 to 6 percent slopes
Bedrock Depth - Min:	86cm
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Carbonton(55%)	
horizon A(0cm to 30cm)	Silt loam
horizon Bt(30cm to 71cm)	Silty clay
horizon BCt(71cm to 86cm)	Silty clay loam
horizon Cr(86cm to 203cm)	Bedrock
Brickhaven(45%)	
horizon A(0cm to 18cm)	Silt loam
horizon Bt(18cm to 94cm)	Silty clay
horizon BCt(94cm to 130cm)	Silty clay loam
horizon Cr(130cm to 203cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CaB - Carbonton-Brickhaven complex, 2 to 6 percent slopes

Component: Carbonton (55%)
The Carbonton component makes up 55 percent of the map unit. Slopes are 2 to 6 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Component: Brickhaven (45%)
The Brickhaven component makes up 45 percent of the map unit. Slopes are 2 to 6 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Map Unit CaC (6.84%)

Map Unit Name:	Carbonton-Brickhaven complex, 6 to 10 percent slopes
Bedrock Depth - Min:	86cm
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Somewhat poorly drained

Soil Information

Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Carbonton(55%)

horizon A(0cm to 30cm)	Silt loam
horizon Bt(30cm to 71cm)	Silty clay
horizon BCt(71cm to 86cm)	Silty clay loam
horizon Cr(86cm to 203cm)	Bedrock

Brickhaven(45%)

horizon A(0cm to 18cm)	Silt loam
horizon Bt(18cm to 94cm)	Silty clay
horizon BCt(94cm to 130cm)	Silty clay loam
horizon Cr(130cm to 203cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CaC - Carbonton-Brickhaven complex, 6 to 10 percent slopes

Component: Carbonton (55%)
The Carbonton component makes up 55 percent of the map unit. Slopes are 6 to 10 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Component: Brickhaven (45%)
The Brickhaven component makes up 45 percent of the map unit. Slopes are 6 to 10 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Map Unit CaD (0.78%)

Map Unit Name:	Carbonton-Brickhaven complex, 10 to 15 percent slopes
Bedrock Depth - Min:	86cm
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Carbonton(55%)

horizon A(0cm to 30cm)	Silt loam
horizon Bt(30cm to 71cm)	Silty clay
horizon BCt(71cm to 86cm)	Silty clay loam
horizon Cr(86cm to 203cm)	Bedrock

Brickhaven(45%)

horizon A(0cm to 18cm)	Silt loam
horizon Bt(18cm to 94cm)	Silty clay
horizon BCt(94cm to 130cm)	Silty clay loam
horizon Cr(130cm to 203cm)	Bedrock

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CaD - Carbonton-Brickhaven complex, 10 to 15 percent slopes

Component: Carbonton (55%)
The Carbonton component makes up 55 percent of the map unit. Slopes are 10 to 15 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Component: Brickhaven (45%)
The Brickhaven component makes up 45 percent of the map unit. Slopes are 10 to 15 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Map Unit ChA (8.89%)

Map Unit Name:	Chewacla and Wehadkee soils, 0 to 2 percent slopes, frequently flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Chewacla(50%)	
horizon A(0cm to 10cm)	Loam
horizon Bw1(10cm to 66cm)	Silty clay loam
horizon Bw2(66cm to 97cm)	Loam
horizon Bw3(97cm to 152cm)	Clay loam
horizon C(152cm to 203cm)	Loam
Wehadkee(45%)	
horizon A(0cm to 18cm)	Silt loam
horizon Bg(18cm to 124cm)	Clay loam
horizon Cg(124cm to 203cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: ChA - Chewacla and Wehadkee soils, 0 to 2 percent slopes, frequently flooded

Component: Chewacla (50%)
The Chewacla, frequently flooded component makes up 50 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on river valleys. The parent material consists of loamy alluvium derived from igneous and metamorphic rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria.

Soil Information

Component: Wehadkee (45%)
The Wehadkee, frequently flooded component makes up 45 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on river valleys. The parent material consists of loamy alluvium derived from igneous and metamorphic rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Riverview (5%)
Generated brief soil descriptions are created for major soil components. The Riverview, frequently flooded soil is a minor component.

Map Unit CrB (5.37%)

Map Unit Name:	Creedmoor-Green Level complex, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	38cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Creedmoor(60%)	
horizon Ap(0cm to 25cm)	Sandy loam
horizon Bt(25cm to 114cm)	Clay
horizon C(114cm to 203cm)	Sandy clay loam
Green Level(40%)	
horizon Ap(0cm to 25cm)	Sandy loam
horizon Btss(25cm to 130cm)	Clay
horizon BCg(130cm to 165cm)	Clay loam
horizon C(165cm to 203cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CrB - Creedmoor-Green Level complex, 2 to 6 percent slopes

Component: Creedmoor (60%)
The Creedmoor component makes up 60 percent of the map unit. Slopes are 2 to 6 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Green Level (40%)
The Green Level component makes up 40 percent of the map unit. Slopes are 2 to 6 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 10 within 30 inches of the soil surface.

Map Unit CrC (6.44%)

Map Unit Name:	Creedmoor-Green Level complex, 6 to 10 percent slopes
Bedrock Depth - Min:	null

Soil Information

Watertable Depth - Annual Min:	38cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Creedmoor(60%)

horizon Ap(0cm to 25cm)	Sandy loam
horizon Bt(25cm to 114cm)	Clay
horizon C(114cm to 203cm)	Sandy clay loam

Green Level(40%)

horizon A(0cm to 25cm)	Sandy loam
horizon Btss(25cm to 130cm)	Clay
horizon BCg(130cm to 165cm)	Clay loam
horizon C(165cm to 203cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CrC - Creedmoor-Green Level complex, 6 to 10 percent slopes

Component: Creedmoor (60%)
The Creedmoor component makes up 60 percent of the map unit. Slopes are 6 to 10 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Green Level (40%)
The Green Level component makes up 40 percent of the map unit. Slopes are 6 to 10 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 10 within 30 inches of the soil surface.

Map Unit CrD (9.36%)

Map Unit Name:	Creedmoor-Green Level complex, 10 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	38cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Creedmoor(60%)

horizon Ap(0cm to 25cm)	Sandy loam
horizon Bt(25cm to 114cm)	Clay
horizon C(114cm to 203cm)	Sandy clay loam

Green Level(40%)

horizon A(0cm to 25cm)	Sandy loam
horizon Btss(25cm to 130cm)	Clay
horizon BCg(130cm to 165cm)	Clay loam
horizon C(165cm to 203cm)	Sandy loam

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CrD - Creedmoor-Green Level complex, 10 to 15 percent slopes

Component: Creedmoor (60%)
The Creedmoor component makes up 60 percent of the map unit. Slopes are 10 to 15 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Green Level (40%)
The Green Level component makes up 40 percent of the map unit. Slopes are 10 to 15 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 10 within 30 inches of the soil surface.

Map Unit DAM (1.28%)

Map Unit Name:	Dam

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: DAM - Dam

Component: Dam (95%)
Generated brief soil descriptions are created for major soil components. The Dam is a miscellaneous area.

Component: Udorthents (5%)
Generated brief soil descriptions are created for major soil components. The Udorthents, loamy soil is a minor component.

Map Unit PkF (0.95%)

Map Unit Name:	Pinoka gravelly fine sandy loam, 15 to 30 percent slopes
Bedrock Depth - Min:	69cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Pinoka(90%)

horizon A(0cm to 25cm)	Gravelly fine sandy loam
horizon E(25cm to 48cm)	Gravelly fine sandy loam
horizon Bt(48cm to 69cm)	Loam
horizon Cr(69cm to 203cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: PkF - Pinoka gravelly fine sandy loam, 15 to 30 percent slopes

Component: Pinoka (90%)
The Pinoka component makes up 90 percent of the map unit. Slopes are 15 to 30 percent. This component is on interfluves on uplands. The parent material consists of residuum weathered from mudstone and/or shale and siltstone and/or sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The soil has a maximum sodium adsorption ratio of 0 within 30 inches of the soil surface.

Component: Creedmoor (10%)
Generated brief soil descriptions are created for major soil components. The Creedmoor soil is a minor component.

Map Unit Ur (47.3%)

Map Unit Name: Urban land

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ur - Urban land

Component: Urban land (100%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Map Unit W (4.49%)

Map Unit Name: Water

No more attributes available for this map unit

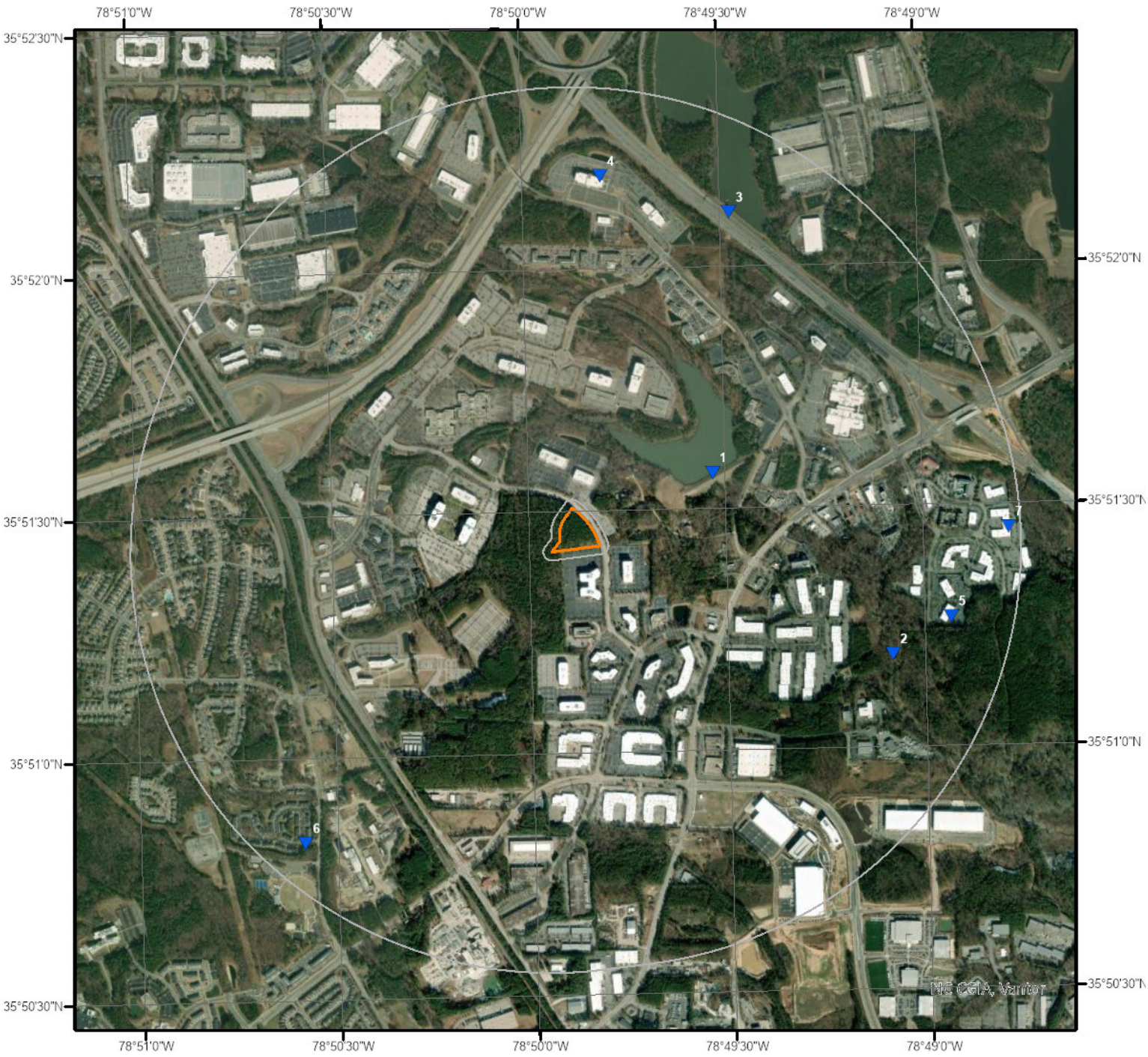
Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Loc Identifier	Distance (ft)	Direction
1	USGS-0208724125	1664.38	ENE
2	USGS-0208724148	3918.56	ESE
3	USGS-0208723965	4201.08	NNE
4	USGS-355211078494901	4180.23	N
5	USGS-355116078485601	4492.47	ESE
6	USGS-355049078503601	4781.76	SW
7	USGS-355127078484701	5127.33	E

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Supply Sources

Map Key	ID	Distance (ft)	Direction
	No records found		

Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Distribution Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Wells and Additional Sources Detail Report

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	ENE	0.32	1,664.38	302.14	FED USGS

Loc Identifier:	USGS-0208724125	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.85956111111111	Well Hole Depth:	
Longitude:	-78.82551111111111	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.85956111111111	Loc HUC Code:	030202010801
Loc Longitude Stnd:	-78.82551111111111	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Lake, Reservoir, Impoundment		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	SORRELLS GROVE RESERVOIR AT DAM NR MORRISVILLE, NC		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ESE	0.74	3,918.56	282.49	FED USGS

Loc Identifier:	USGS-0208724148	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.85319444444445	Well Hole Depth:	
Longitude:	-78.81804444444444	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.85319444444445	Loc HUC Code:	030202010801
Loc Longitude Stnd:	-78.81804444444444	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Stream		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	STIRRUP IRON CR BLW AIRPORT BVD AT MORRISVILLE, NC		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNE	0.80	4,201.08	303.40	FED USGS

Loc Identifier:	USGS-0208723965	Well Depth:	
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.86853055555556	Well Hole Depth:	
Longitude:	-78.82458888888888	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.86853055555556	Loc HUC Code:	030202010801
Loc Longitude Stnd:	-78.82458888888888	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Lake, Reservoir, Impoundment		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	PAGE LAKE AT INTERSTATE 40 NEAR MORRISVILLE, NC		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	N	0.79	4,180.23	354.91	FED USGS

Loc Identifier:	USGS-355211078494901	Well Depth:	91.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.8698706510886	Well Hole Depth:	
Longitude:	-78.8300066362884	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.8698706510886	Loc HUC Code:	030202010801
Loc Longitude Stnd:	-78.8300066362884	Loc Aquifer Code:	230SDMR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	WK-022		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	ESE	0.85	4,492.47	293.91	FED USGS

Loc Identifier:	USGS-355116078485601	Well Depth:	250.0

Date Drilled:		Well Depth Unit:	ft
Latitude:	35.85444444444445	Well Hole Depth:	
Longitude:	-78.81555555555555	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.85444444444445	Loc HUC Code:	
Loc Longitude Stnd:	-78.81555555555555	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	WK-2665 NR MORRISVILLE, NC TRIASSIC		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.91	4,781.76	362.98	FED USGS

Loc Identifier:	USGS-355049078503601	Well Depth:	200.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.8470933370824	Well Hole Depth:	
Longitude:	-78.8430624454814	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	35.8470933370824	Loc HUC Code:	030300020605
Loc Longitude Stnd:	-78.8430624454814	Loc Aquifer Code:	230SDMR
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	WK-112		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	E	0.97	5,127.33	304.45	FED USGS

Loc Identifier:	USGS-355127078484701	Well Depth:	624.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	35.8575	Well Hole Depth:	
Longitude:	-78.81305555555555	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America

Wells and Additional Sources Detail Report

Loc Latitude Stnd:	35.8575	Loc HUC Code:	
Loc Longitude Stnd:	-78.81305555555555	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	WK-2666 NR MORRISVILLE, NC TRIASSIC		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *WAKE* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *WAKE* County

No Measures/Homes:	755
Arithmetic Mean:	2.5
Maximum:	30
Minimum:	0
Notes on Data Table:	TABLE 1. Summary of screening indoor radon data in North Carolina from the EPA/State Residential Radon Survey, the North Carolina Cooperative Extension Service Radon Survey, and non-random data collected from vendors of charcoal canister radon detectors. Data represent 2-7 day screening tests.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). WQX3.0 is the newest version of the data standard that is delivered from the WQP, and this updated version holds new profiles containing USGS data added since March 11, 2024 sourced from their beta version website.

State Sources

Oil and Gas Wells **OGW**

As of NC state regulatory agencies, FracTracker Alliance - state of North Carolina confirmed not to have any active (drilled but not plugged) oil and gas wells.

Public Water Supply Sources **PWSS**

The North Carolina Department of Environmental Quality (DEQ), Division of Environmental Health, Public Water Supply Section in cooperation with the NC Center for Geographic Information and Analysis, tracks the locations of public water supply system sources in North Carolina.

Underground Injection Control Wells **UIC**

This list of Underground Injection Control (UIC) Wells is made available by the North Carolina Department of Environment Quality (NCDEQ) Division of Water Resources. The list only includes Class V UIC wells because only Class V UIC wells can be installed in North Carolina.

Water Distribution Wells **WATER WELLS**

The North Carolina Rural Economic Development Center (NCREDC) in conjunction with Hobbs, Upchurch & Associates developed digital well locations data by individual system owners as required by contract. The data collected was to facilitate planning, siting and impact analysis in the 70 individual counties of North Carolina. This data contains information on groundwater intake wells, including: Well ID, construction date, latest renovation date, and safe yield. There has been no plan by the NCREDC or Hobbs, Upchurch & Associates to update this database.

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APPENDIX 2

Property Information

Wake County Real Estate Data
Account Summary

Real Estate ID **0504620** PIN # **0746961763**

Location Address
0 PARAMOUNT PKWY

Property Description
WAKE COUNTY BOARD OF EDU (H14 SITE)
BM2023-00685

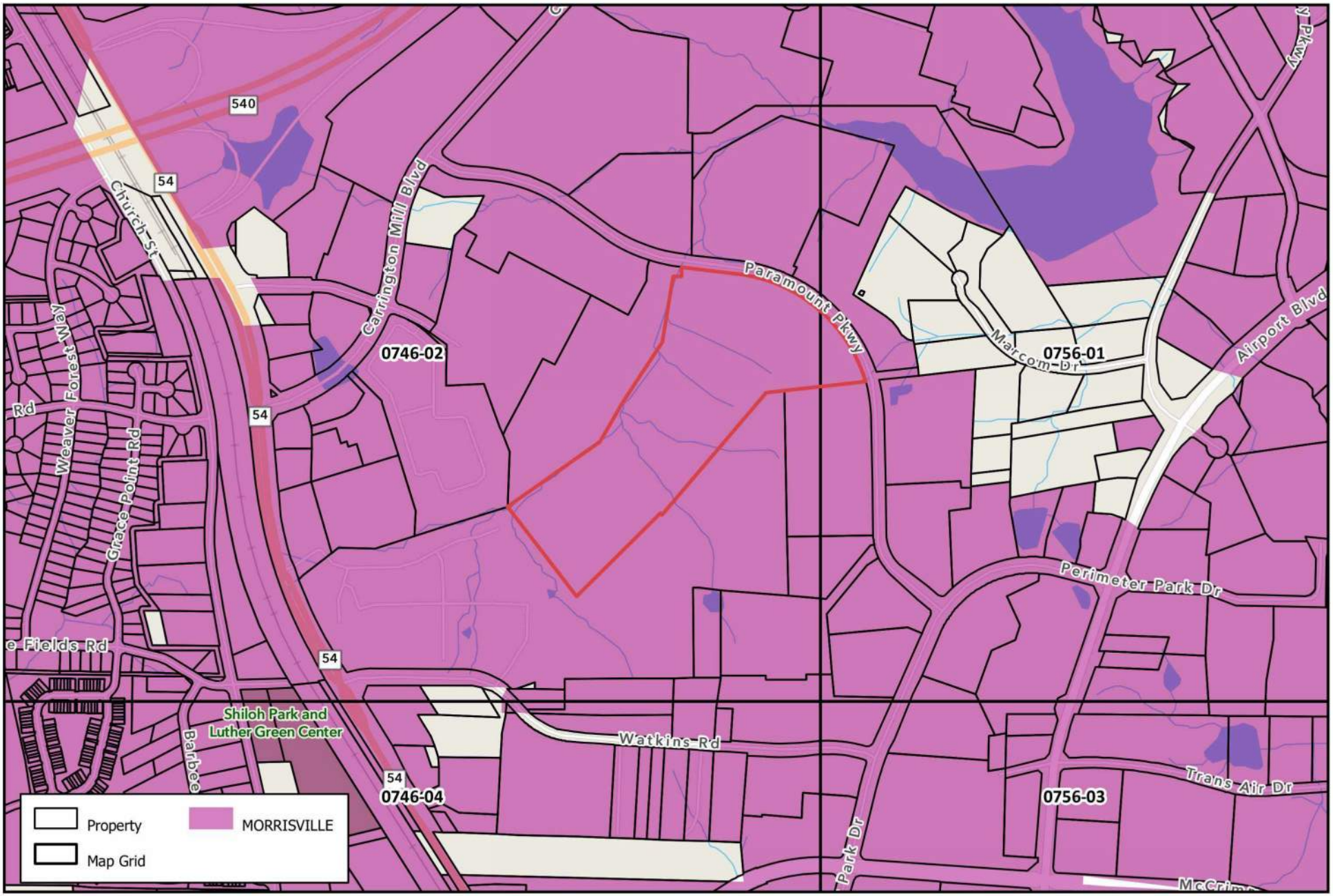
Property Owner	Owner's Mailing Address	Property Location Address
THE WAKE COUNTY BOARD OF EDUCATION (Use the Deeds link to view any additional owners)	**WCPSS REAL ESTATE SENIOR DIRECTOR** **111 CORNING RD STE 100** **CARY NC 27518-9299**	**0 PARAMOUNT PKWY** **MORRISVILLE NC 27560-**

Administrative Data		**Transfer Information**		**Assessed Value**	
Old Map #	**371--**				
Map/Scale	**0746 02**	Deed Date	**3/17/2023**	Land Value Assessed	**$10,856,546**
VCS	**RPMO001**	Book & Page	**19286 0801**	Bldg. Value Assessed	**$497,250**
City	**MORRISVILLE**	Revenue Stamps			
Fire District		Pkg Sale Date			
Township	**CEDAR FORK**	Pkg Sale Price		Tax Relief	
Land Class	**EXEMPT**	Land Sale Date			
ETJ	**MO**	Land Sale Price		Land Use Value	
Spec Dist(s)				Use Value Deferment	
Zoning	**C-OI**	**Improvement Summary**		Historic Deferment	
History ID 1				Total Deferred Value	
History ID 2		Total Units	**0**		
Acreage	**36.03**	Recycle Units	**0**		
Permit Date		Apt/SC Sqft		Use/Hist/Tax Relief Assessed	
Permit #		Heated Area		Total Value Assessed*	**$11,353,796**

*Wake County assessed building and land values reflect the market value as of January 1, 2024, which is the date of the last county-wide revaluation. Any inflation, deflation or other economic changes occurring after this date does not affect the assessed value of the property and cannot be lawfully considered when reviewing the value for adjustment.

The January 1, 2024 values will remain in effect until the next county-wide revaluation. Until that time, any real estate accounts created or new construction built is assessed according to the 2024 Schedule of Values.

For questions regarding the information displayed on this site, please contact the Department of Tax Administration at Taxhelp@wake.gov or call 919-856-5400.



PIN: 0746961763

N

0 400 800 1,600 ft

1 inch equals 800 feet

Disclaimer

*iMaps makes every effort to produce and publish the most current and accurate information possible. However, the maps are produced for information purposes, and are **NOT** surveys. No warranties, expressed or implied ,are provided for the data therein, its use,or its interpretation.*

APPENDIX 3

Interviews

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

ENVIRONMENTAL QUESTIONNAIRE
(To be completed by the User as defined by ASTM E 1527-21)

Property Address: *Paramount Parkway*

City: *Morrisville* County: *Wake* State: *NC* Zip: *27560*

Legal Description: *PIN: 0746961763*

Current Property Use: Vacant

Occupied by Whom: _____ Phone: _____

1. As defined by ASTM E 1527-21, a lien is a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt obligation or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property including, but not limited to, liens imposed pursuant to CERCLA 42 USC §§ 9607(l) and 9607(r) and similar state or local laws. In accordance with ASTM E 1527-21 and 40 CFR 312, Timmons Group, through inquiry of the User, completed a lien search for the subject property.

   As the User, are you aware of any environmental liens for the subject property? ☐ Yes ☒ No

   If "yes", please explain in the spaces provided below:

2. Activity and Use Limitations (AULs) are legal or physical restrictions or limitations on the use of, or access to a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

   As the User, are you aware of any activity use limitations for the subject property? ☐ Yes ☒ No

   If "yes", please explain in the spaces provided below:

3. The User must take into account their specialized knowledge of the subject property, the area surrounding the subject property, the conditions of adjoining properties, and any other experience relevant to the inquiry, for the purpose of identifying conditions indicative of releases or threatened releases of hazardous material at the subject property.

   As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? ☐ Yes ☒ No

   If "yes", please describe any specialized knowledge of the subject site in the spaces provided:

4. The User must consider whether the purchase price of the subject property reasonably reflects the fair market value of the property. If the purchase price of the subject property does not reasonably reflect the fair market value of that property, the User should consider whether or not the differential in purchase price and fair market value is due to the presence of releases or threatened releases of hazardous substances.

   Does the purchase price of the subject property reflect the fair market value? ☒ Yes ☐ No

   If "no", does the price of the subject property reflect the occurrence of a release of hazardous material? If not please explain in the spaces below:

5. It is the responsibility of the User to convey any commonly known or reasonably ascertainable information regarding the subject property in identifying potential conditions indicative of releases or threatened releases.

   As the User, are you aware of commonly known or reasonably ascertainable information about the property that would help an environmental professional to identify conditions indicative of releases or threatened releases? For example, as the User:

   a. Do you know the past use of the property?

      No

   b. Do you know of specific chemicals that are present or once were present at the property?

      No

   c. Do you know of spills or other chemical releases that have taken place at the property?

      No

   d. Do you know of any environmental cleanups that have taken place at the property?

      No

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6. It is the responsibility of the User to convey any degree of obvious information that represents the detection of a release or threatened release of a hazardous substance at, in, on or to the subject property.

   As the User of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?
   ☐ Yes ☒ No

   If "yes", please explain in the spaces below:

   _____

   _____

In addition, certain information should be collected, if available, and provided to the environmental professional selected to conduct the Phase I. This information is intended to assist the environmental professional but is not necessarily required to qualify for one of the *LLPs*. The information includes:

- the reason why the Phase I is required,
- the type of property and type of property transaction, for example, sale, purchase, exchange, and so forth,
- the complete and correct address for the property (a map or other documentation showing property location and boundaries is helpful),
- the scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered),
- identification of all parties who will rely on the Phase I report,
- identification of the site contact and how the contact can be reached,
- any special terms and conditions which must be agreed upon by the environmental professional,
- any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, and so forth, concerning the property and its environmental condition).

Please provide any comments to the above in the space below:

The Phase I is requested in anticipation of the Town developing the property for a future Fire Station. The property was acquired via a land swap and is being leased, pursuant to a lease agreement. The address 4001 Paramount Parkway has been assigned to the property. The Phase I will be relied upon by the Town and the selected Design-Build Team who will be responsible for designing and constructing the Fire Station. Eric Pearson can be the site contact. The lease agreement and ILA have been provided.

I certify that to the best of my knowledge the above statements and facts are true and correct. To the best of my knowledge no material facts have been suppressed or misstated.

Name: Eric J. Pearson Date: 4/7/2026

Signature: _____

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ENVIRONMENTAL QUESTIONNAIRE
(To be completed by the current property owner as defined by ASTM E 1527-21)

Property Address: *Paramount Parkway*

City: *Morrisville* County: *Wake* State: *NC* Zip: *27560*

Legal Description: *PIN: 0746961763*

Current Property Use: Vacant wooded parcel

Occupied by Whom: _____ Phone: _____

1. To the best of your knowledge has the property or any adjoining property ever been used for an industrial or manufacturing use? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

2. To the best of your knowledge has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

3. To the best of your knowledge have there ever been any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals stored on or used at the property? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

4. To the best of your knowledge have there ever been any industrial drums or sacks of chemicals located at the property? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

5. Has fill dirt been brought onto the property from any other site? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

6. To the best of your knowledge have there ever been any pits, ponds, or lagoons located on the site? ☒ Yes ☐ No ☐ Unknown

   If yes, please identify and explain: There is a SCM on site that has been managed by Wake Tech.

7. To the best of your knowledge, have there ever been any stained or discolored soils on the property? ☐ Yes ☐ No ☒Unknown

   If yes, please identify and explain:

8. To the best of your knowledge have there ever been any registered or unregistered storage tanks (above or below ground level) located on the property? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

9. To the best of your knowledge have there ever been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property? ☐ Yes ☐ No ☒ Unknown

   If yes, please identify and explain:

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10. To the best of your knowledge have there ever been any drains, flooring, or walls located within the facility that are stained by substances other than water or are emitting foul odors? ☐ Yes ☐ No ☒ Unknown

    If yes, please identify and explain:

11. Has there ever been any type of well or non-public watering system located on the property? If so, have any contaminants been identified in the well or system that exceed guidelines applicable to the water system? ☐ Yes ☐ No ☒ Unknown

    If yes, please identify and explain:

12. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property? ☐ Yes ☒ No ☐ Unknown

    If yes, please identify and explain:

13. Have you or any occupant of the property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property? ☐ Yes ☒ No ☐ Unknown

    If yes, please identify and explain:

14. Do you or any occupant have knowledge of any environmental site assessment of the property that indicated the presence of hazardous substances or petroleum products on, or contamination of the property, or recommended further assessment of the property? ☐ Yes ☒ No ☐ Unknown

    If yes, please identify and explain:

15. Does the property discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system? ☐ Yes ☐ No ☒ Unknown

    If yes, please identify and explain:

16. To the best of your knowledge have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above-grade, buried and/or burned on the property? ☐ Yes ☐ No ☒ Unknown

    If yes, please identify and explain:

17. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of polychlorinated biphenyls (PCBs)? ☐ Yes ☐ No ☒ Unknown

    If yes, please identify and explain:

18. Are you aware of any prior environmental site assessments (Phase I or Phase II) that have been conducted on the property for any purpose? If so, please indicate the approximate date of the assessment or investigation and provide the location of the reports. ☒ Yes ☐ No ☐ Unknown

    If yes, please identify and explain: See attached.

I certify that to the best of my knowledge the above statements and facts are true and correct. To the best of my knowledge no material facts have been suppressed or misstated.

Name: Margaret Sutter, Director, WCPSS Real Estate Services Date: 3 / 2 6 / 2 0 2 6

Signature: Margaret Sutter

Public Records Request

Public Records are available for public inspection by request.

When you submit this form, it will not automatically collect your details like name and email address unless you provide it yourself.

* Required

1. Contact Me Before Triggering a Fee? *

- (●) Yes
- ( ) No

2. Name: *

Alyssa Grecky

3. Phone Number: *

919-532-3247

4. Email: *

alyssa.grecky@timmons.com

5. Request Description: *

Good afternoon,

My company has been contracted to complete a Phase I ESA on a portion of one parcel (PIN: 0746961763) located along Paramount Parkway in Morrisville, NC. Does the Town of Morrisville have any files concerning aboveground storage tanks (ASTs), underground storage tanks (USTs), storage of hazardous material, environmental spills and/or releases, or historical or current environmental liens?

Alyssa Grecky

From: Kayla Bertling <KBertling@morrisvillenc.gov>
Sent: Tuesday, April 14, 2026 12:44 PM
To: Alyssa Grecky
Subject: Re: Public Records Request
Attachments: OneDrive_1_4-14-2026 (4).zip

Good morning Alyssa,

Please find the requested records attached.

Sincerely,

Kayla

--
Kayla Bertling, MPA
Town Clerk
919-463-1633
www.morrisvillenc.gov

From: Kayla Bertling <kbertling@morrisvillenc.gov>
Sent: Tuesday, March 24, 2026 8:32 AM
To: alyssa.grecky@timmons.com <alyssa.grecky@timmons.com>
Subject: Public Records Request

Hello Alyssa Grecky,
Your public records request has been received by the Town of Morrisville. As our team works to gather these records, I will reach out if we need any further clarifying information.
Sincerely,
Kayla
--

Kayla Bertling, MPA
Town Clerk
919-463-1633

APPENDIX 4

Regulatory Database Review

DATABASE REPORT

Project Property:	*Wake Tech Community College - Fire Station* *Paramount Parkway* *Morrisville NC*
Project No:	*69593.003*
Report Type:	*Database Report*
Order No:	*26032400823*
Requested by:	*Timmons Group, Inc.*
Date Completed:	*March 26, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Wake Tech Community College - Fire Station* *Paramount Parkway Morrisville NC*
Project No:	*69593.003*

Coordinates:

Latitude:	*35.85756958*
Longitude:	*-78.83135784*
UTM Northing:	*3,970,322.44*
UTM Easting:	*695,820.21*
UTM Zone:	*UTM Zone 17S*

Elevation: *366 FT*

Order Information:

Order No:	*26032400823*
Date Requested:	*March 24, 2026*
Requested by:	*Timmons Group, Inc.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Product Summary	*Product Summary for Aerials, FIMs & Topos*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	**1**	**1**
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	**1**	-	-	**1**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	**1**	**1**
State								
SHWS	Y	1	0	0	0	0	**2**	**2**
LUST TRUST	Y	0.5	0	0	0	0	-	0
DELISTED SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
OLD LF	Y	0.5	0	0	0	0	-	0
COAL ASH LF	Y	0.5	0	0	0	0	-	0
HSDS	Y	1	0	0	0	0	**1**	**1**
LUST	Y	0.5	0	0	0	**1**	-	**1**
LAST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
TANK	Y	0.25	0	0	0	-	-	0
DTNK	Y	0.25	0	0	0	-	-	0
SOIL REM PERMITS	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	0	0	-	0
LUR	Y	0.5	0	0	0	0	-	0
FUEL STATIONS	Y	0.25	0	0	0	-	-	0
DELISTED FSS	Y	0.25	0	0	0	-	-	0
VCP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

County ***No County standard environmental record sources available for this State.***

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	**1**	-	-	**1**
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	**1**	-	-	**1**
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0
HIST RISK	Y	0.125	0	0	-	-	-	0
NPDES BIOSOLIDS	Y	PO	0	-	-	-	-	0
State								
DRYC DSCA	Y	0.5	0	0	0	0	-	0
DRYC HIST BOILER	Y	0.25	0	0	0	-	-	0
DRYC CITY DIR	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
MGP	Y	1	0	0	0	0	0	0
PFAS	Y	0.5	0	0	0	0	-	0
SWRCY	Y	0.5	0	0	0	0	-	0
HAZ	Y	0.25	0	0	**1**	-	-	**1**
SDTF	Y	0.125	0	0	-	-	-	0
TIER 2	Y	0.125	0	**3**	-	-	-	**3**
UIC	Y	PO	0	-	-	-	-	0
AIR PERMIT	Y	0.25	0	0	0	-	-	0
FEEDLOTS	Y	0.5	0	0	0	0	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
	Total:		0	**3**	**4**	**1**	**5**	**13**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	TIER 2	NC-4647_Time Warner Cable	4200 Paramount Pkwy Morrisville NC	NW	0.07 / 361.81	-22	19
1	TIER 2	NC-4647_Charter Communications, Paramount Office	4200 Paramount Parkway Morrisville NC	NW	0.07 / 361.81	-22	19
2	TIER 2	ligget vector Group	3800 paramount parkway, suite 200 Morrisville NC	SE	0.09 / 477.98	-5	19
3	ALT FUELS	PERIM PARK O-LP 1600 ADA	1600 Perimeter Park Dr Morrisville NC 27560 ***Station ID:*** 331219	SE	0.18 / 963.79	-14	19
4	HAZ	BAYER CROPSCIENCE	3500 PARAMOUNT PKWY MORRISVILLE NC 27560	S	0.20 / 1,048.54	2	21
4	RCRA NON GEN	BASF CORPORATION	3500 PARAMOUNT PKWY MORRISVILLE NC 27560 ***Handler ID | Recycler Activity?:*** NCR000136077 | YES	S	0.20 / 1,048.54	2	22
4	SSTS	BAYER CROPSCIENCE LP	3500 PARAMOUNT PKWY, MORRISVILLE, NC NC ***Establishment No:*** 000264-NC -005	S	0.20 / 1,048.54	2	39
5	LUST	RTP CONNECTION	809 AIRPORT BOULEVARD MORRISVILLE NC 27560-9192 ***Incident No:*** 26687 ***Incid Phase Desc:*** Close Out	ESE	0.29 / 1,548.80	-35	39
6	HSDS	KOPPERS CO INC	NC	SW	0.63 / 3,309.10	16	42
7	NPL	KOPPERS CO., INC. (MORRISVILLE PLANT)	HWY 54 W MORRISVILLE NC 27560 ***EPA ID:*** NCD003200383	SW	0.67 / 3,526.92	15	42
8	SHWS	KOPPERS COMPANY, INC.	HWY 54 WEST MORRISVILLE NC ***EPA ID:*** NCD003200383	SSW	0.76 / 3,996.61	4	43
9	SUPERFUND ROD	KOPPERS CO., INC. (MORRISVILLE PLANT)	HWY 54 W MORRISVILLE NC 2756	SW	0.87 / 4,575.93	16	44

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	SHWS	DEHAVEN	413 AIRPORT BLVD. MORRISVILLE NC ***EPA ID:*** NONCD0001598	SSE	0.94 / 4,943.13	-21	45

Executive Summary: Summary by Data Source

Standard

Federal

NPL - National Priority List

A search of the NPL database, dated Jan 18, 2026 has found that there are 1 NPL site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KOPPERS CO., INC. (MORRISVILLE PLANT)	HWY 54 W MORRISVILLE NC 27560 ***EPA ID**: NCD003200383*	SW	0.67 / 3,526.92	7

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Nov 30, 2025 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BASF CORPORATION	3500 PARAMOUNT PKWY MORRISVILLE NC 27560 ***Handler ID**	**Recycler Activity?**: NCR000136077 | YES*	S	0.20 / 1,048.54	4

SUPERFUND ROD - Superfund Decision Documents

A search of the SUPERFUND ROD database, dated Jan 30, 2026 has found that there are 1 SUPERFUND ROD site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KOPPERS CO., INC. (MORRISVILLE PLANT)	HWY 54 W MORRISVILLE NC 2756	SW	0.87 / 4,575.93	9

State

SHWS - Inactive Hazardous Sites and Federal Remediation Branch Sites

A search of the SHWS database, dated Jul 2, 2025 has found that there are 2 SHWS site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KOPPERS COMPANY, INC.	HWY 54 WEST MORRISVILLE NC ***EPA ID**: NCD003200383*	SSW	0.76 / 3,996.61	8

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DEHAVEN	413 AIRPORT BLVD. MORRISVILLE NC ***EPA ID**: NONCD0001598*	SSE	0.94 / 4,943.13	10

LUST - Incident Management Database (Regional Underground Storage Tanks)

A search of the LUST database, dated Sep 25, 2025 has found that there are 1 LUST site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
RTP CONNECTION	809 AIRPORT BOULEVARD MORRISVILLE NC 27560-9192 ***Incident No**: 26687* ***Incid Phase Desc**: Close Out*	ESE	0.29 / 1,548.80	5

HSDS - Hazard Substance Disposal Sites

A search of the HSDS database, dated Jan 1, 1999 has found that there are 1 HSDS site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KOPPERS CO INC	NC	SW	0.63 / 3,309.10	6

Non Standard

Federal

ALT FUELS - Alternative Fueling Stations

A search of the ALT FUELS database, dated Dec 16, 2025 has found that there are 1 ALT FUELS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PERIM PARK O-LP 1600 ADA	1600 Perimeter Park Dr Morrisville NC 27560 ***Station ID**: 331219*	SE	0.18 / 963.79	3

SSTS - Registered Pesticide Establishments

A search of the SSTS database, dated Sep 26, 2025 has found that there are 1 SSTS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAYER CROPSCIENCE LP	3500 PARAMOUNT PKWY, MORRISVILLE, NC NC ***Establishment No**: 000264-NC -005*	S	0.20 / 1,048.54	4

State

HAZ - Hazardous Waste Sites

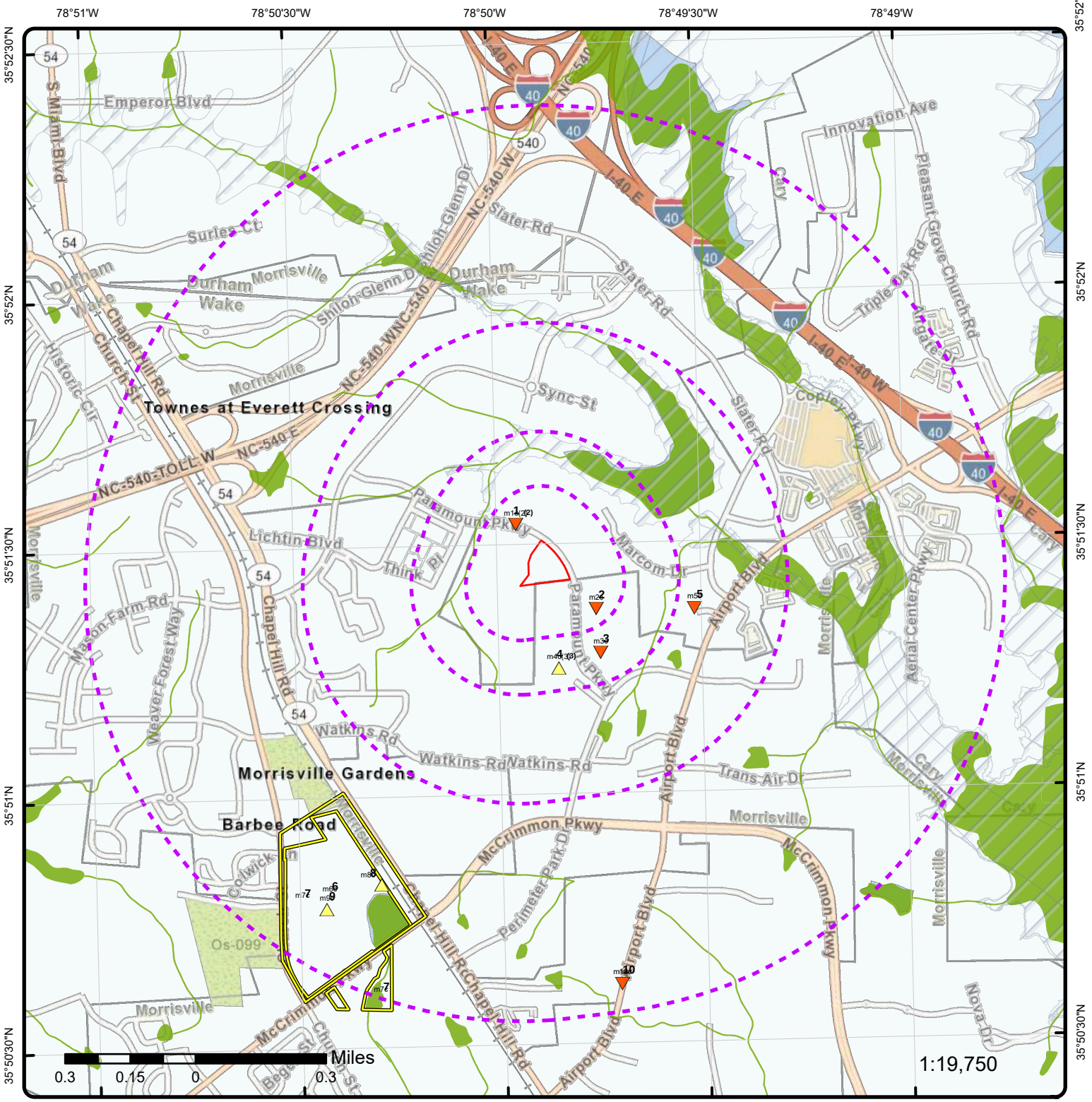
A search of the HAZ database, dated May 29, 2024 has found that there are 1 HAZ site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAYER CROPSCIENCE	3500 PARAMOUNT PKWY MORRISVILLE NC 27560	S	0.20 / 1,048.54	4

TIER 2 - Tier 2 Report

A search of the TIER 2 database, dated Oct 30, 2020 has found that there are 3 TIER 2 site(s) within approximately 0.12miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
NC-4647_Time Warner Cable	4200 Paramount Pkwy Morrisville NC	NW	0.07 / 361.81	1
NC-4647_Charter Communications, Paramount Office	4200 Paramount Parkway Morrisville NC	NW	0.07 / 361.81	1
ligget vector Group	3800 paramount parkway, suite 200 Morrisville NC	SE	0.09 / 477.98	2



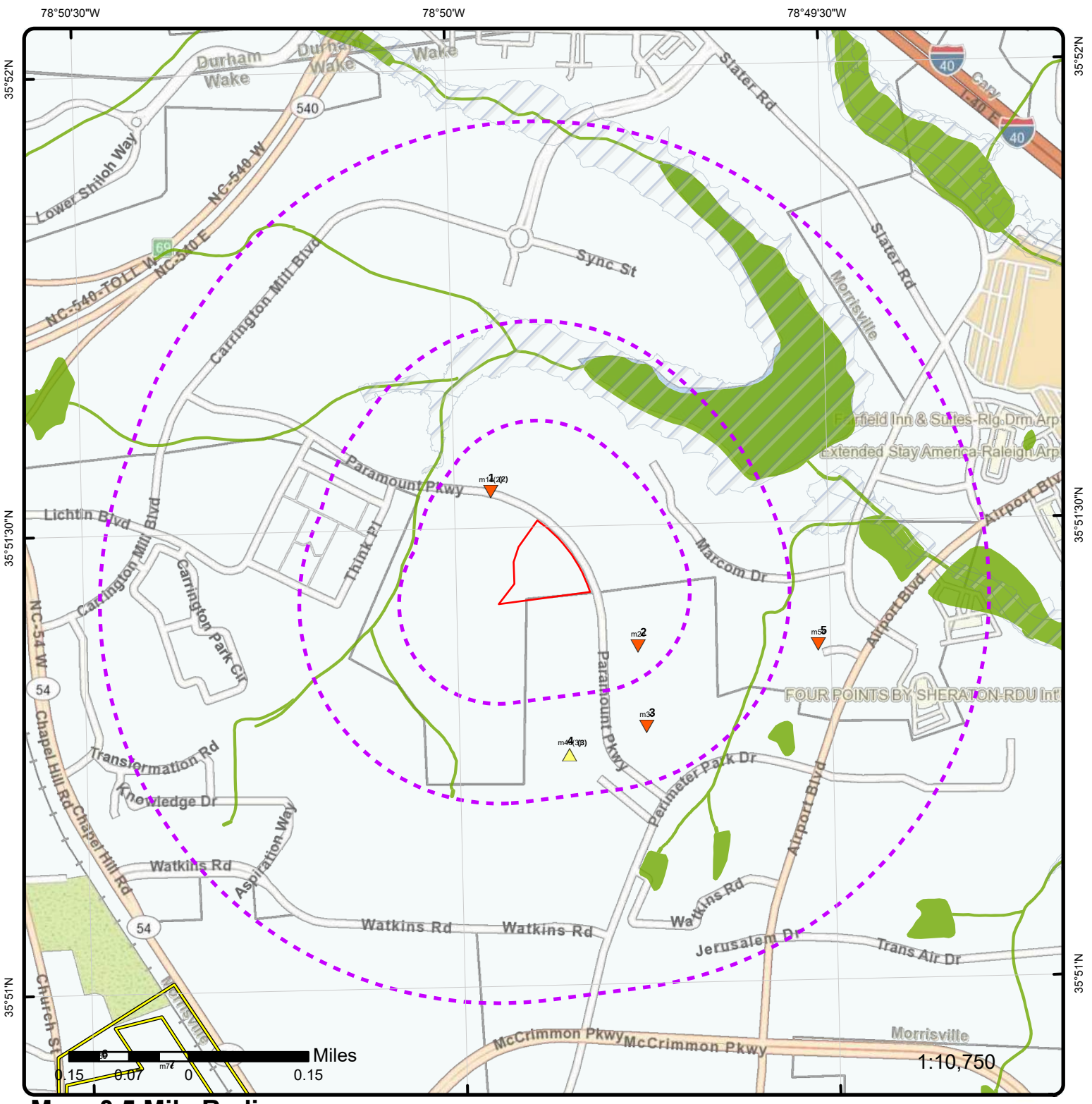
Map: 1.0 Mile Radius

Order Number: 26032400823

Address: Paramount Parkway, Morrisville, NC

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

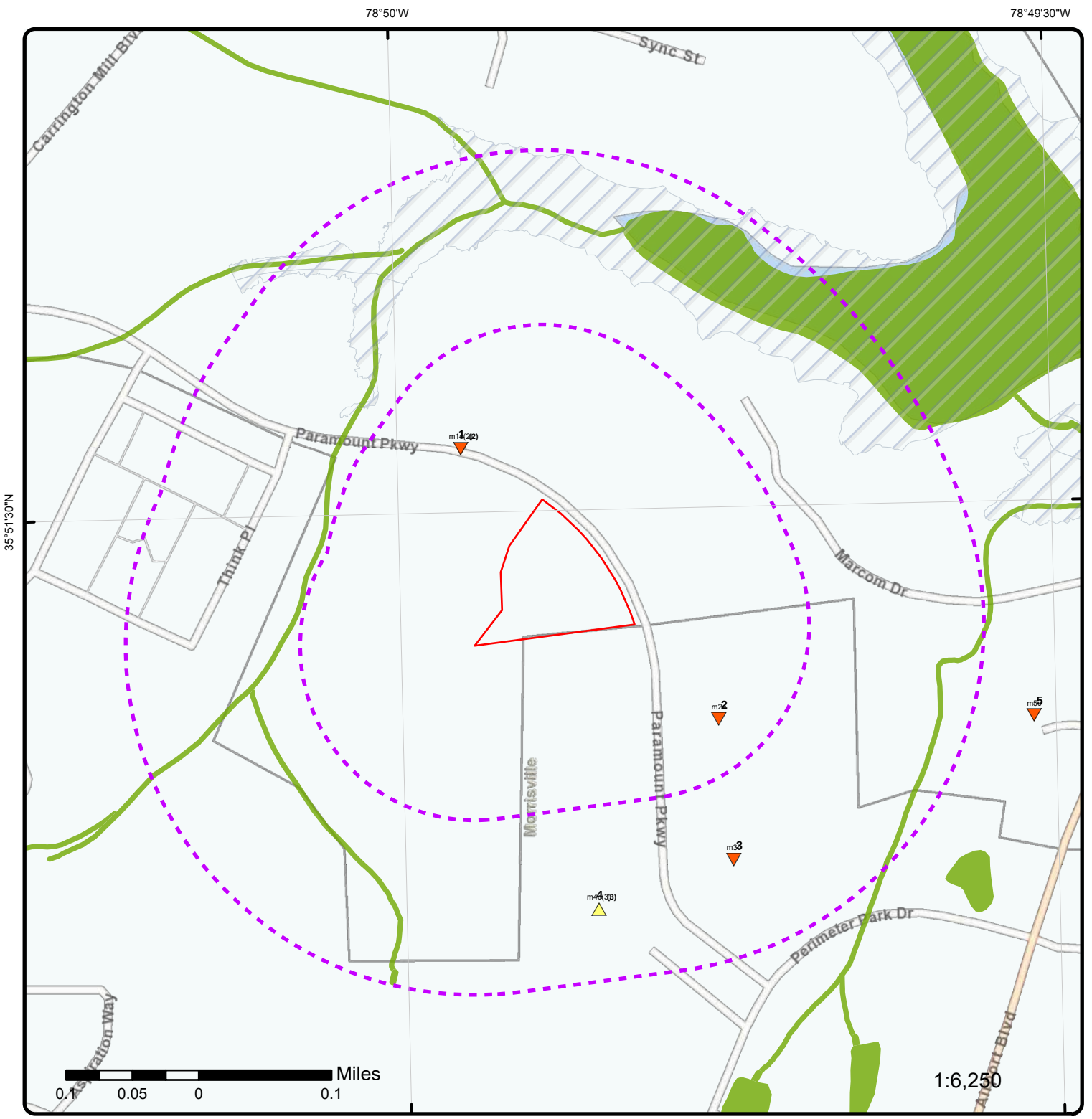


Map: 0.5 Mile Radius

Order Number: 26032400823

Address: Paramount Parkway, Morrisville, NC

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



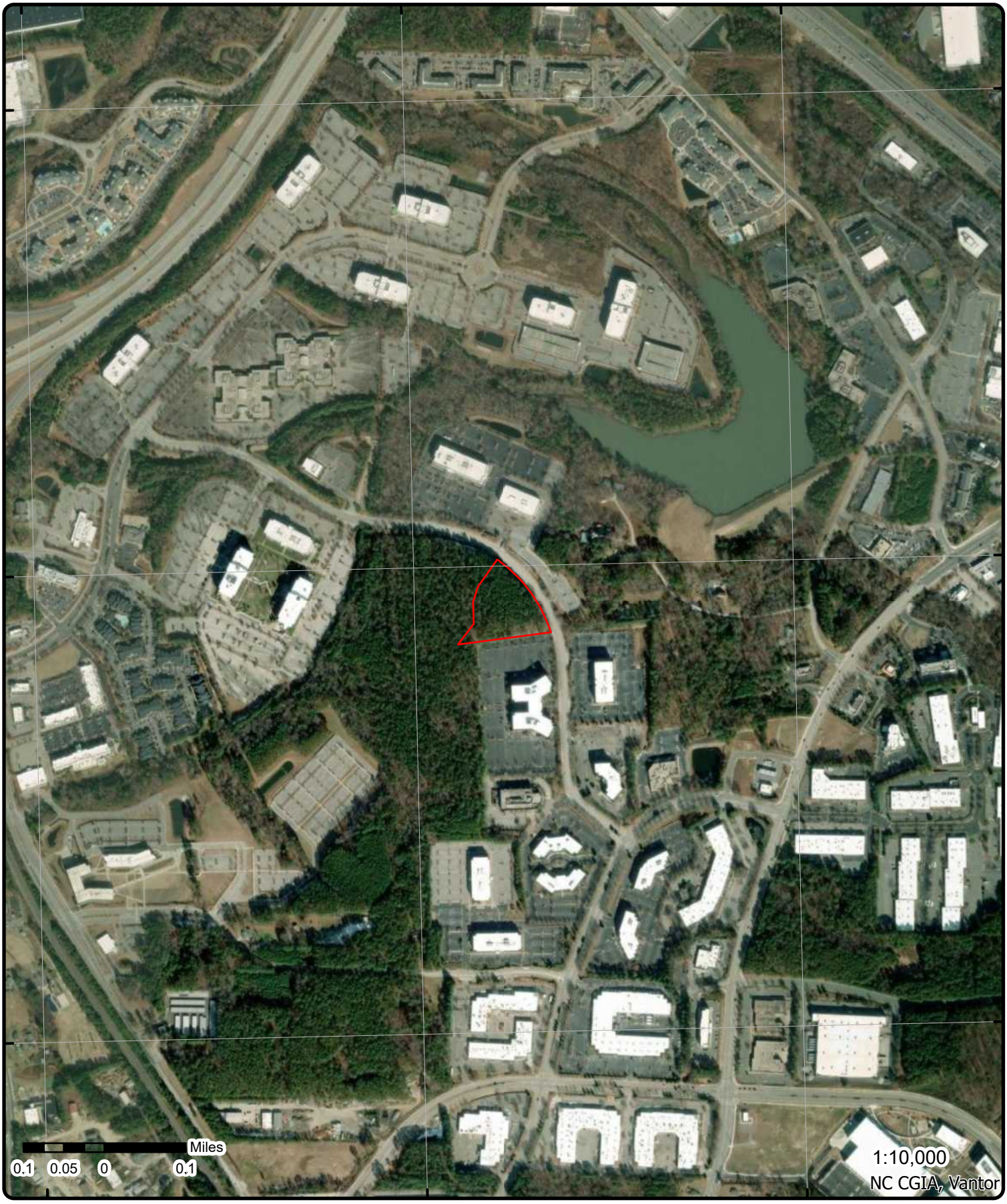
Map: 0.25 Mile Radius

Order Number: 26032400823

Address: Paramount Parkway, Morrisville, NC

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

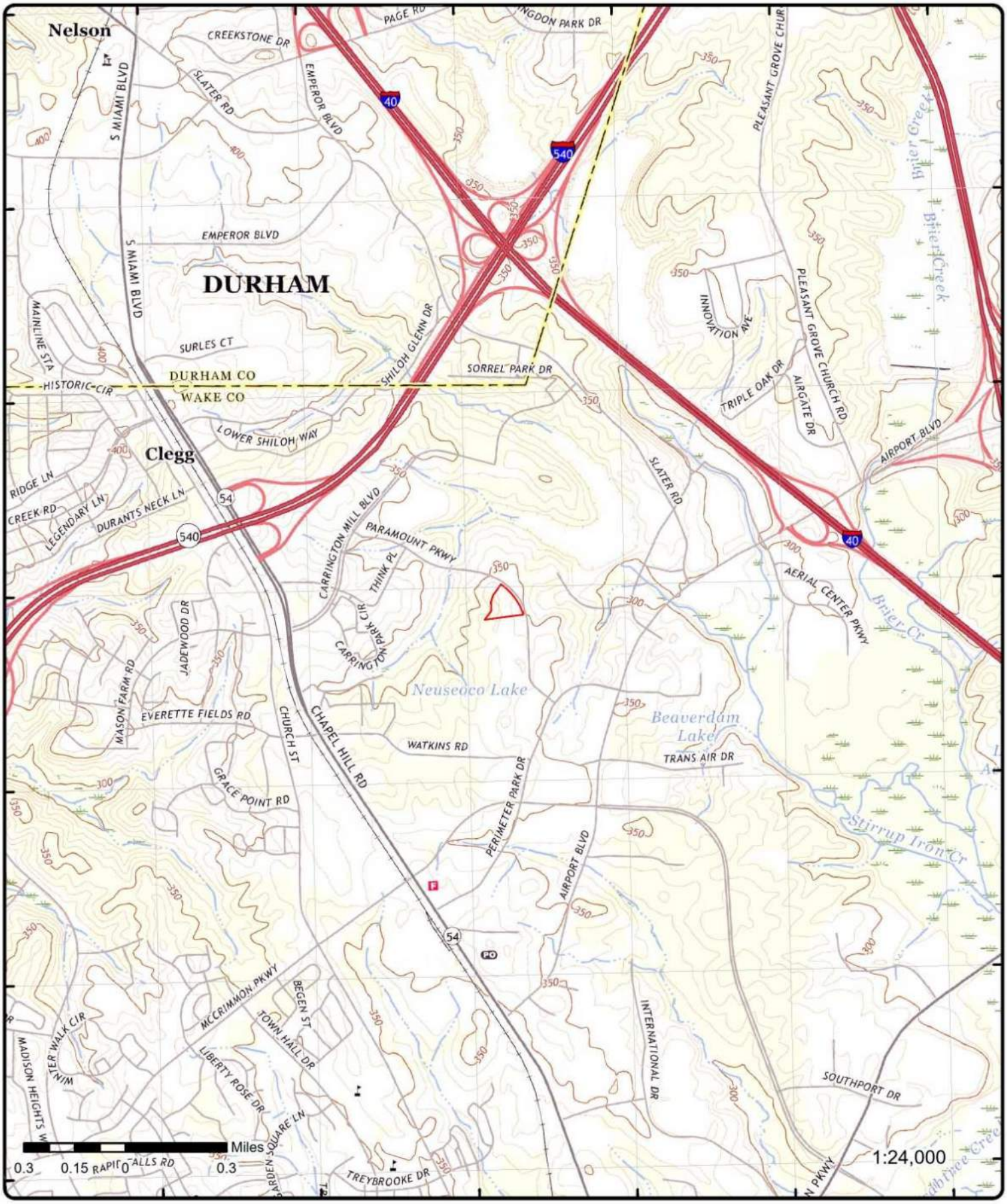


Aerial **Year: 2025**

Order Number: 26032400823

Address: Paramount Parkway, Morrisville, NC

Source: ESRI World Imagery



Topographic Map

Year: 2022

Order Number: 26032400823

Address: Paramount Parkway, NC

Quadrangle(s): Southeast Durham NC, Cary NC

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of2	NW	0.07 / 361.81	343.92 / -22	NC-4647_Time Warner Cable 4200 Paramount Pkwy Morrisville NC	TIER 2

PCS ID:	4030814	**GW Risk RA:**	
Swap ID:	TII3693	**SW Risk RA:**	
PCS Type:	TII	**County:**	Wake
PCS Type T:		**X:**	-78.8287400094391
HML Swap R:	H	**Y:**	35.8533660036681
Data Source:	Tier II Sites used in the 2014 SWAP Reports		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of2	NW	0.07 / 361.81	343.92 / -22	NC-4647_Charter Communications, Paramount Office 4200 Paramount Parkway Morrisville NC	TIER 2

PCS ID:	6359497	**GW Risk RA:**	Higher
Swap ID:	TII151	**SW Risk RA:**	Higher
PCS Type:	TII	**County:**	Wake
PCS Type T:	Tier II Sites	**X:**	-78.8323026722402
HML Swap R:	H	**Y:**	35.8603070888599
Data Source:	Tier II Site locations used in the 2020 SWAP reports		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of1	SE	0.09 / 477.98	360.78 / -5	ligget vector Group 3800 paramount parkway, suite 200 Morrisville NC	TIER 2

PCS ID:	6387187	**GW Risk RA:**	Higher
Swap ID:	TII4240	**SW Risk RA:**	Higher
PCS Type:	TII	**County:**	Wake
PCS Type T:	Tier II Sites	**X:**	-78.8290576707546
HML Swap R:	H	**Y:**	35.8563770887552
Data Source:	Tier II Site locations used in the 2020 SWAP reports		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of1	SE	0.18 / 963.79	351.70 / -14	PERIM PARK O-LP 1600 ADA 1600 Perimeter Park Dr Morrisville NC 27560	ALT FUELS

Station ID:	331219	**Station Name:**	PERIM PARK O-LP 1600 ADA
Station Name (MAP):	PERIM PARK O-LP 1600 ADA	**Street Address:**	1600 Perimeter Park Dr
Address (MAP):	1600 Perimeter Park Dr	**City:**	Morrisville
City (MAP):	Morrisville	**State:**	NC
State (MAP):	NC	**Zip:**	27560
Zipcode (MAP):	27560	**Country:**	US
Country (MAP):	US	**Latitude:**	35.854107
Latitude (MAP):	35.854107	**Longitude:**	-78.82924
Longitude (MAP):	-78.82924		
Source:	Alternative Fueling Station Locator (as of 16 Dec 2025);U.S. Dept of Energy Alt Fuels Data Center (MAP) (as of 16 Dec 2025)		

Alt Fuel Stats Details

Facility Type:
Status Code: E

Status Type Desc: Open: The station is open.
Expected Date:
Dt Last Confirmed: 2025-12-16
Plus4:
Access Days Time: 24 hours daily
Cards Accepted:
Bd Blends:
Federal Agency ID:
Federal Agency Nm:
Open Date: 2024-03-28
Updated At: 2025-12-16 02:37:54 UTC
Country: US
Restricted Access: false
Intersection Dir: Front Right
Station Phone: 888-758-4389
Nps Unit Name:
Max Vehicle Class:
Ev Workplace Charging: false
Ev Level1 Evse No:
Ev Level2 Evse No: 1
Ev Dc Fast Count:
Ev Other Info:
Ev Network: ChargePoint Network
Ev Network Web: https://www.chargepoint.com
Ev Connector Types: J1772
Ev Pricing:
Ev Pricing French :
Ev On Site Renewable Source:
E85 Other Ethanol Blends:
E85 Blender Pump Desc:
E85 Blender Pump:
Access Code: public
Access Detail Code:
Groups with Access Code: Public
Access Groups Desc: Publicly available to all customers.
Lng Vehicle Class:
Lng On Site Renewable Source:
Lng Station Sells Renewable:
Rd Blends:
Rd Blends French :
Rd Blended With Biodiesel:
Rd Maximum Biodiesel Level:
Cng Dispenser No:
Cng On Site Renewable Src:
Cng Total Compression Cap:
Cng Storage Capacity:
Cng Fill Type Code:
Cng Psi:
Cng Vehicle Class:
Cng Station Sells Renewable:
Intersection Directions French:
Access Days Time French :
Bd Blends French :
Groups With Access Code Fr: Public
Ng Vehicle Class:
Ng Vechile Class Desc:

Geocode Status: GPS
Geocode Status Desc: The location is from a real GPS readout at the station.
Fuel Type Code: ELEC
Fuel Type Desc: ELEC: Electric
Owner Type Code:
Owner Type Desc:
Lpg Primary:
LPG Primary Desc:
Lpg Nozzle Types:
Ng Fill Type Code:
NG Fill Type Desc:
Ng Psi:
Hydrogen Is Retail:
Hydrogen Pressures:
Hydrogen Standards:
Hydrogen Status Link:
Federal Agency Code:
Funding Sources:

U.S. Dept of Energy Alt Fuels Data Center Details

Current Status: E
Current Status Desc: Available
Facility Type:
Facility Type Desc:
Availability Date:

Lpg Nozzle Types:
Lpg Primary Station:
Accessability: Public
Access Details:
Access Details Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Availability Date Dt:		**Access Hours:**	24 hours daily
Open Date:	1711584000000	**Access Hours French:**	
Open Date Dt:	2024-03-28 00:00:00 UTC	**Country Desc:**	United States
E85 Blender Pump:		**Directions:**	Front Right
E85 Ethanol Blends:		**Directions French:**	
Federal Owner:		**Geocode Status:**	GPS
Federal Owner Desc:		**Geocode Status Desc:**	GPS
Fuel Type:	ELEC	**Point X:**	-78.8292373293116
Fuel Type Desc:	Electric	**Point Y:**	35.854099911969364
Hy Is Retail:		**Zipcode Route:**	
Hy Pressures:		**Ownership Type:**	
Hy Standards:		**Owner Type Desc:**	
Hy Status Link:		**Payment Methods:**	
Restricted Access:	False	**Phone No:**	888-758-4389
Biodiesel Blends:			
Biodiesel Blends French:			
Cng Compression:			
Cng Dispensers:			
Cng Fill Type:			
Cng Fill Type Desc:			
Cng Pressures:			
Cng Renewable Source:			
Cng Renewable Src Desc:			
Cng Storage:			
Cng Vehicle Size:			
Cng Vehicle Size Desc:			
Date Last Confirmed:	1765843200000		
Date Last Confirmed Dt:	2025-12-16 00:00:00 UTC		
Date Last Update:	1765852674000		
Date Last Update Dt:	2025-12-16 02:37:54 UTC		
Ev Connector Types:	J1772		
Ev Dc Fast Ports:			
Ev Level1 Evse Ports:			
Ev Level2 Evse Ports:	1		
Ev Network:	ChargePoint Network		
Ev Network Desc:	ChargePoint		
Ev Network ID:	USCPIL13314721		
Ev Network Link:	https://www.chargepoint.com		
Ev Other Evse Ports:			
Ev Pricing:			
Ev Pricing French:			
Ev Renewable Source:			
Ev Renewable Source Desc:			
Lng Renewable Source:			
Lng Renewable Source Desc:			
Lng Vehicle Size:			
Lng Vehicle Size Desc:			
Rd Blended With Biodiesel:			
Rd Blends:			
Rd Blends French:			
Rd Max Biodiesel:			

4	**1 of3**	**S**	**0.20 / 1,048.54**	**367.45 / 2**	**BAYER CROPSCIENCE** **3500 PARAMOUNT PKWY** **MORRISVILLE NC 27560**	**HAZ**

Handler ID:	NCR000136077	**HSWA Permit:**	
Loc County:	WAKE	**FID:**	92
Contact Name:	DANNY C TAYLOR	**Lat:**	35.85408
Contact Phone:	919-461-6522	**Long :**	-78.831068
Generator:	SQG	**X:**	-78.83106532883414
Transporter:	N	**Y:**	35.854072911897276
Land Unit:		**Treater:**	
Storer:		**HCS Ref:**	BATCHGEO.COM - YAHOO API
HCS Code:	40	**HCS Res:**	ROOFTOP
Note:	Documents related to facilities in NC can be searched on the NC DEQ Laser Fiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of3	S	0.20 / 1,048.54	367.45 / 2	BASF CORPORATION 3500 PARAMOUNT PKWY MORRISVILLE NC 27560	RCRA NON GEN

Handler ID: NCR000136077
Generator Status: N
Recycler Activity?: YES
Recycler Activity Note: This facility has been identified as a Recycler Facility with indication of Reclamation and Recovery in the RCRA Biennial Report Module for Management Methods
H010 - Metals recovery including retorting, smelting, chemical, etc.
H011 - Mercury recovery (includes mercury retorting, bulb/lamp crushing and mercury vapor recovery, thermostat recovery, mercury from medical equipment recovery, mercury car switch recovery, etc.)
H015 - Deployment/deactivation of airbag waste followed by metals recovery
H020 - Solvents recovery
H039 - Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc.
H050 - Energy recovery at this site; used as fuel (includes on-site fuel blending before energy recovery)
H061 - Fuel blending prior to energy recovery at another site (waste generated on-site or received from off-site)

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Nov 2025.

Violation Details

Viol Type: 262.C
Citation:
Determined Date: 20060214
Scheduled Compliance Date: 20060320
Eval Activity Location: NC
Viol Determined By Agency: State
Viol Short Desc: Generators - Pre-transport
Actual Rtc Date: 20060309
Found Violation: Yes
Rtc Qualifier: Documented

Enforcement Details

Enf Type: 120
Enf Type Desc: WRITTEN INFORMAL
Enf Action Date: 20060216
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Violation Details

Viol Type: 262.D
Citation:
Determined Date: 20060214
Scheduled Compliance Date: 20060320
Eval Activity Location: NC
Viol Determined By Agency: State
Viol Short Desc: Generators - Records/Reporting
Actual Rtc Date: 20060309
Found Violation: Yes
Rtc Qualifier: Documented

Enforcement Details

Enf Type: 120
Enf Type Desc: WRITTEN INFORMAL
Enf Action Date: 20060216
Disposition Status Desc:
Disposition Status Date:

Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Violation Details

Viol Type: 262.C
Citation:
Determined Date: 20031104
Scheduled Compliance Date: 20031210
Eval Activity Location: NC
Viol Determined By Agency: State
Viol Short Desc: Generators - Pre-transport
Actual Rtc Date: 20040108
Found Violation: Yes
Rtc Qualifier: Documented

Enforcement Details

Enf Type: 120
Enf Type Desc: WRITTEN INFORMAL
Enf Action Date: 20031115
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Violation Details

Viol Type: 262.A
Citation:
Determined Date: 20020321
Scheduled Compliance Date: 20020422
Eval Activity Location: NC
Viol Determined By Agency: State
Viol Short Desc: Generators - General
Actual Rtc Date: 20020424
Found Violation: Yes
Rtc Qualifier: Documented

Enforcement Details

Enf Type: 120
Enf Type Desc: WRITTEN INFORMAL
Enf Action Date: 20020321
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Violation Details

Viol Type: 262.C
Citation:
Determined Date: 20020321
Scheduled Compliance Date: 20020422
Eval Activity Location: NC
Viol Determined By Agency: State
Viol Short Desc: Generators - Pre-transport
Actual Rtc Date: 20020424
Found Violation: Yes
Rtc Qualifier: Documented

Enforcement Details

Enf Type: 120

Enf Type Desc: WRITTEN INFORMAL
Enf Action Date: 20020321
Disposition Status Desc:
Disposition Status Date:
Enf Agency: State
Proposed Amount:
Final Amount:
Paid Amount:

Evaluation Details

Eval Start Date: 20070418
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 20060523
Eval Type Desc: COMPLIANCE ASSISTANCE VISIT
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 20060309
Eval Type Desc: COMPLIANCE SCHEDULE EVALUATION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 20060214
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - Pre-transport
Actual Rtc Date: 20060309
Eval Agency: State

Eval Start Date: 20060214
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - Records/Reporting
Actual Rtc Date: 20060309
Eval Agency: State

Eval Start Date: 20040712
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 20040108
Eval Type Desc: COMPLIANCE SCHEDULE EVALUATION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 20031104
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - Pre-transport
Actual Rtc Date: 20040108
Eval Agency: State

Eval Start Date: 20020424
Eval Type Desc: COMPLIANCE SCHEDULE EVALUATION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Eval Start Date: 20020321
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - Pre-transport

Actual Rtc Date: 20020424
Eval Agency: State

Eval Start Date: 20020321
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc: Generators - General
Actual Rtc Date: 20020424
Eval Agency: State

Handler Summary

Importer:	No	**Used Oil Transpor:**	No
Mixed Waste Gen:	No	**Used Oil Trans Fac:**	No
Transporter:	No	**Used Oil Processor:**	No
Transfer Facility:	No	**Used Oil Refiner:**	No
Recycler:	No	**Used Oil Burner:**	No
Onsite Burner Exem:	No	**Commercial TSD:**	No
Furnace Exemption:	No	**Recycl Nonstorage:**	No
Underground Injec:	No		

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Additional Handler Summary Details

Source Type:	D	**NAIC 1:**	541714
Seq No:	1	**NAIC 2:**	
Non Notifier:		**NAIC 3:**	
Receive Date:	20230622	**NAIC 4:**	
Active Site:	-----	**State:**	NC
Land Type:	P	**Location Latitude:**	35.858763
In Handler Univ:	N	**Location Longitude:**	-78.8319
In A Universe:	N	**Loc GIS Primary:**	N
Gen Status:	N	**Loc GIS Origin:**	AG
Report Cycle:		**State District Owner:**	
Accessibility:		**State District:**	
Region:	04		

Fed Waste Gen Owner: HQ
State Waste Generator Owner: NC
State Waste Generator: F
Short Term Generator: N
Uni Waste: N
Universal Waste Dest Facility: N
Federal Universal Waste: N
As Federally Regulated Tsdf: ------
As Converter Tsdf: ------
As State Regulated Tsdf: ------
As State Regulated Handler: ---
Federal Indicator: ---
Hsm: N
Subpart K: ----
GPRA Permit: N
GPRA Renewal: N
Permit Renewal Wrkld: ------
Permwrk ID: ------
Perm Prog: ------
Pcwrkld: ------
Closwrkld: ------
GPRA Ca: N
Cawrkld: N
Subjca Tsd Discretion: N
NCAPS: N
EC Indicator: N
Ca725 Indicator: N
Ca750 Indicator: N
Operating Tsdf: ------
Full Enforcement: ------
Snc: N

Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	-----
Hhandler Last Change:	20230622
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	BASF CORPORATION
Location Street No:	3500
Location Street1:	PARAMOUNT PKWY
Location Street2:	
Location City:	MORRISVILLE
Location State:	NC
Location Zip:	27560
Location County Code:	NC183
Location County Name:	WAKE
Location Country:	US
Contact Name:	MICHAEL SHAWVER
Contact Street No:	3500
Contact Street1:	PARAMOUNT PKWY
Contact Street2:	
Contact City:	MORRISVILLE
Contact State:	NC
Contact Zip:	27560
Contact Country:	US
Contact Phone & Ext:	919-547-7775
Contact Fax:	
Contact Email Address:	MICHAEL.SHAWVER@BASF.COM
Contact Title:	EHS MANAGER
Owner Name:	BMR-3500 PARAMOUNT PKWY C/O CUSHMAN & WAKEFIELD
Owner Type:	P
Owner Seq:	1
Operator Name:	BASF CORPORATION
Operator Type:	P
Operator Seq:	2
Public Notes:	

Hazardous Waste Handler Details

Seq No:	1
Receive Date:	20010314
Handler Name:	SARCO INC
Fed Waste Generator:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification
TSD Activity:	N

Hazardous Waste Handler Details

Seq No:	2
Receive Date:	20011031
Handler Name:	SARCO INC
Fed Waste Generator:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Notification
TSD Activity:	N

Waste Code Details

Waste Code:	D001

Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D018
Waste Code Desc: BENZENE

Waste Code: D019
Waste Code Desc: CARBON TETRACHLORIDE

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: D038
Waste Code Desc: PYRIDINE

Waste Code: F001
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 20020220
Handler Name: PPD DISCOVERY INC
Fed Waste Generator: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Seq No: 2
Receive Date: 20040226
Handler Name: SARCO, INC., DBA PPD DISCOVERY, INC.
Fed Waste Generator: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D018
Waste Code Desc: BENZENE

Waste Code: D019
Waste Code Desc: CARBON TETRACHLORIDE

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: D038
Waste Code Desc: PYRIDINE

Waste Code: F001
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 8
Receive Date: 20050523
Handler Name: TRIMERIS INC
Fed Waste Generator: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D018
Waste Code Desc: BENZENE

Waste Code: D019

Waste Code Desc: CARBON TETRACHLORIDE

Waste Code: D022
Waste Code Desc: CHLOROFORM

Waste Code: D038
Waste Code Desc: PYRIDINE

Waste Code: F001
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 3
Receive Date: 20060210
Handler Name: TRIMERIS, INC.
Fed Waste Generator: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D011
Waste Code Desc: SILVER

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL

BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U052
Waste Code Desc: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Waste Code: U154
Waste Code Desc: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U213
Waste Code Desc: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Hazardous Waste Handler Details

Seq No: 4
Receive Date: 20080127
Handler Name: TRIMERIS INC
Fed Waste Generator: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D003
Waste Code Desc: REACTIVE WASTE

Waste Code: F001
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON

DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 9
Receive Date: 20080205
Handler Name: TRIMERIS INC.
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 10
Receive Date: 20100412
Handler Name: BAYER CROPSCIENCE INNOVATION CENTER
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 11
Receive Date: 20120503
Handler Name: BAYER CROPSCIENCE
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 12
Receive Date: 20180824
Handler Name: BASF AGRICULTURAL SOLUTIONS
Fed Waste Generator: 2

Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 13
Receive Date: 20190724
Handler Name: BASF CORPORATION
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT

SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 14
Receive Date: 20200618
Handler Name: BASF CORPORATION
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 15
Receive Date: 20210712
Handler Name: BASF CORPORATION
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 16
Receive Date: 20220513
Handler Name: BASF CORPORATION
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 20230622
Handler Name: BASF CORPORATION
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Deactivation
TSD Activity: N

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: BMR-3500 PARAMOUNT PKWY C/O CUSHMAN & WAKEFIELD
Dt Became Current: 20180801
Street No: 701
Street1: WEST MAIN STREET
Street2:
City: DURHAM

Dt Ended Current:		**State:**	NC
Phone:	919-683-4076	**Country:**	US
Source Type:	Deactivation	**Zip:**	27701
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	3151 S 17TH ST EXT
Name:	PPD INC	**Street2:**	
Dt Became Current:	17760101	**City:**	WILMINGTON
Dt Ended Current:		**State:**	NC
Phone:	910-251-0081	**Country:**	
Source Type:	Notification	**Zip:**	28412
Owner/Operator Ind:	Current Operator	**Street No:**	2
Type:	Private	**Street1:**	TW ALEXANDER DR
Name:	BAYER CROPSCIENCE	**Street2:**	
Dt Became Current:	20090401	**City:**	RTP
Dt Ended Current:		**State:**	NC
Phone:	919-549-2910	**Country:**	US
Source Type:	Notification	**Zip:**	27709
Owner/Operator Ind:	Current Owner	**Street No:**	701
Type:	Private	**Street1:**	WEST MAIN STREET
Name:	BMR-3500 PARAMOUNT PKWY C/O CUSHMAN & WAKEFIELD	**Street2:**	
Dt Became Current:	20180801	**City:**	DURHAM
Dt Ended Current:		**State:**	NC
Phone:	919-683-4076	**Country:**	US
Source Type:	Notification	**Zip:**	27701
Owner/Operator Ind:	Current Operator	**Street No:**	3500
Type:	Private	**Street1:**	PARAMOUNT PKWY
Name:	BASF CORPORATION	**Street2:**	
Dt Became Current:	20180801	**City:**	MORRISVILLE
Dt Ended Current:		**State:**	NC
Phone:	987-287-2808	**Country:**	US
Source Type:	Notification	**Zip:**	27560
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	
Name:	TRIMERIS INC	**Street2:**	
Dt Became Current:	20050101	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	
Name:	TRIMERIS INC	**Street2:**	
Dt Became Current:	20050101	**City:**	
Dt Ended Current:		**State:**	NC
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	
Name:	PPD, INC.	**Street2:**	
Dt Became Current:	20000201	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip:**	
Owner/Operator Ind:	Current Owner	**Street No:**	9600
Type:	Private	**Street1:**	BLACKWELL RD
Name:	BAYER CROPSCIENCE	**Street2:**	
Dt Became Current:	20090401	**City:**	ROCKVILLE
Dt Ended Current:		**State:**	MD
Phone:	301-279-0214	**Country:**	US
Source Type:	Notification	**Zip:**	20850

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	3500
Type:	Private	**Street1:**	PARAMOUNT PKWY
Name:	BASF CORPORATION	**Street2:**	
Dt Became Current:	20180801	**City:**	MORRISVILLE
Dt Ended Current:		**State:**	NC
Phone:	987-287-2808	**Country:**	US
Source Type:	Deactivation	**Zip:**	27560

Owner/Operator Ind:	Current Operator	**Street No:**	3500
Type:	Private	**Street1:**	PARAMOUNT PKWY
Name:	BASF AGRICULTURE SOLUTIONS	**Street2:**	
Dt Became Current:	20180801	**City:**	MORRISVILLE
Dt Ended Current:		**State:**	NC
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	27560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street1:**	
Name:	TRIMERIS INC	**Street2:**	
Dt Became Current:	20050101	**City:**	
Dt Ended Current:		**State:**	NC
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	

Owner/Operator Ind:	Current Owner	**Street No:**	600
Type:	Private	**Street1:**	E 96TH ST
Name:	DUKE REALTY CORP	**Street2:**	SUITE 100
Dt Became Current:	19990101	**City:**	INDIANAPOLIS
Dt Ended Current:		**State:**	IN
Phone:		**Country:**	US
Source Type:	Notification	**Zip:**	46240

Owner/Operator Ind:	Current Owner	**Street No:**	600
Type:	Private	**Street1:**	E 96TH ST
Name:	DUKE REALTY CORP	**Street2:**	SUITE 100
Dt Became Current:	19990101	**City:**	INDIANAPOLIS
Dt Ended Current:		**State:**	IN
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip:**	46240

Owner/Operator Ind:	Current Owner	**Street No:**	1800
Type:	Private	**Street1:**	PERIMETER PARK DR. STE 200
Name:	WEEKS REALTY LP	**Street2:**	
Dt Became Current:	19981231	**City:**	MORRISVILLE
Dt Ended Current:		**State:**	NC
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip:**	27560

Owner/Operator Ind:	Current Owner	**Street No:**	2
Type:	Private	**Street1:**	TW ALEXANDER DR
Name:	BAYER CROPSCIENCE	**Street2:**	
Dt Became Current:	20090401	**City:**	RTP
Dt Ended Current:		**State:**	NC
Phone:	919-549-2910	**Country:**	US
Source Type:	Notification	**Zip:**	27709

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street1:**	3151 S 17TH ST EXT
Name:	PPD INC	**Street2:**	
Dt Became Current:		**City:**	WILMINGTON
Dt Ended Current:		**State:**	NC
Phone:	910-251-0081	**Country:**	
Source Type:	Notification	**Zip:**	28412

Owner/Operator Ind:	Current Operator	**Street No:**	9600
Type:	Private	**Street1:**	BLACKWELL RD
Name:	BAYER CROPSCIENCE	**Street2:**	
Dt Became Current:	20090401	**City:**	ROCKVILLE
Dt Ended Current:		**State:**	MD

Phone:	301-279-0214	***Country:***	US
Source Type:	Notification	***Zip:***	20850
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	
Name:	DUKE REALTY	***Street2:***	
Dt Became Current:	20000201	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip:***	
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street1:***	
Name:	TRIMERIS, INC.	***Street2:***	
Dt Became Current:	20050101	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip:***	

Historical Handler Details

Receive Dt:	20220513
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF CORPORATION
Receive Dt:	20210712
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF CORPORATION
Receive Dt:	20200618
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF CORPORATION
Receive Dt:	20190724
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF CORPORATION
Receive Dt:	20180824
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF AGRICULTURAL SOLUTIONS
Receive Dt:	20120503
Generator Code Description:	Small Quantity Generator
Handler Name:	BAYER CROPSCIENCE
Receive Dt:	20100412
Generator Code Description:	Small Quantity Generator
Handler Name:	BAYER CROPSCIENCE INNOVATION CENTER
Receive Dt:	20080205
Generator Code Description:	Very Small Quantity Generator
Handler Name:	TRIMERIS INC.
Receive Dt:	20080127
Generator Code Description:	Large Quantity Generator
Handler Name:	TRIMERIS INC
Receive Dt:	20060210
Generator Code Description:	Large Quantity Generator
Handler Name:	TRIMERIS, INC.
Receive Dt:	20050523
Generator Code Description:	Large Quantity Generator
Handler Name:	TRIMERIS INC
Receive Dt:	20040226
Generator Code Description:	Large Quantity Generator
Handler Name:	SARCO, INC., DBA PPD DISCOVERY, INC.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20020220
Generator Code Description: Large Quantity Generator
Handler Name: PPD DISCOVERY INC

Receive Dt: 20011031
Generator Code Description: Large Quantity Generator
Handler Name: SARCO INC

Receive Dt: 20010314
Generator Code Description: Small Quantity Generator
Handler Name: SARCO INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	3 of3	S	0.20 / 1,048.54	367.45 / 2	BAYER CROPSCIENCE LP 3500 PARAMOUNT PKWY, MORRISVILLE, NC NC	SSTS

EPA Region: 4
Establishment No: 000264-NC -005
Est Create Update Date: 03/17/2010 / 01/02/2015
Est Site County: Wake
Est Site Country:
Est Mailing Address: 3500 PARAMOUNT PKWY, MORRISVILLE, NC 27560
Est Mailing Address Line 2:
Est Mail City:
Est Mail State:
Est Mail Zip:
Est Mail Country:

Details

Company Name: BAYER CROP SCIENCE LP
Company HQ Addr 1: 2 T W ALEXANDER DR, RESEARCH TRIANGLE PARK, NC 27709
Company HQ Addr 2:
Company HQ City:
Company HQ State:
Company HQ Zip:
Company HQ Country:
Co HQ Mailing Addr 1: PO BOX 12014, RESEARCH TRIANGLE PARK, NC 27709
Co HQ Mailing Addr 2:
Co HQ City:
Co HQ State:
Co HQ Zip:
Co HQ Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of1	ESE	0.29 / 1,548.80	330.74 / -35	RTP CONNECTION 809 AIRPORT BOULEVARD MORRISVILLE NC 27560-9192	LUST

Facility ID:
UST No:
Incident No: 26687
Contam Type:
Current Status:
Status Title:
Date Occurred:
Close Out:
Cleanup:
Zip Code:
County:
Incident Name:
Address:
City Town:
Incident Name (Map): RTP CONNECTION
Address (Map): 809 AIRPORT BOULEVARD

UST No (Map): RA-465
County (Map): WAKE
Zip Code (Map): 27560-9192
UST No (DWM Map): RA-465
Curr Stat(DWM Map): Archived
County (DWM Map): WAKE
Zip Code (DWM Map): 27560-9192
Lat (DWM Map): 35.85610391156562
Lon (DWM Map): -78.82527533059049
Latitude:
Longitude:

City Town (Map):	MORRISVILLE
Incdnt Nm(DWM Map):	RTP CONNECTION
Address (DWM Map):	809 AIRPORT BOULEVARD
City (DWM Map):	MORRISVILLE
UST No (IMD):	RA-465
Note:	Documents related to facilities in NC can be searched on the NC DEQ LaserFiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx
Data Source:	Division of Waste Management Site Locator Tool - UST Incidents (as of 25 Sep 2025); Underground Storage Tank Incidents - RUST (Map) (as of 25 Sep 2025); Incident Management Database - Weekly RUST Incident Report (as of 18 Jul 2025); Incident Management Database - RUST RRA Audit Logs; RUST Incident Management Database (RPTS); RUST Incident Management Database (ASSIGNID); RUST Incident Management Database (PIRF); RUST Incident Management Database (STATUS)

Incident Information

Src Contamination:	3
Date Entered:	03-Sep-2004 00:00:00

Incident Details

Release Code:	2	***Samples Taken By:***	y
Release Cause:		***Samples Include:***	
Release Source:	C	***7.5 Min Quad:***	
Type:	4	***5 Min Quad:***	
Location:	7	***Submitted Date:***	20-May-2002 00:00:00
Site Priority:		***I Ownership:***	4
Priority Update:		***Owner Operator:***	
Source Type:	C	***Ownership:***	4
ERR Type:		***Ownership Desc:***	Private
PIRF Min Soil:		***Operation Type:***	3
Wells Affected Y/N:	u	***Operation Desc:***	Residential
Wells Affected:			
Description of Incident:			

Incident Report

PRT ID:	1045166
Report Type:	20DAY
Report Type Description:	20 Day Report
Request Date:	
Received Date:	20-May-2002 00:00:00
Reviewed Date:	11-Jun-2002 00:00:00
Approved Date:	11-Jun-2002 00:00:00
Implement Date:	
Due Date:	
Comment:	

minor soil contamination below cleanup levels **Note: Many records provided by the department have a truncated [Comment] field.

Incident Status

Last Modified:	11-Jun-2002 00:00:00
Incident Phase:	CO
Incid Phase Desc:	Close Out
NOV Issued:	
NORR Issued:	
45 Day Report:	
Public Meeting Held:	
Corrective Act Plan:	
SOC Signed:	
Reclassification Rep:	
RS Designation:	
Closure Req Date:	

UST Incidents

Facility ID:		**RRA Dt:**	
Current Status:	A	**RRA Risk:**	
RO Code:	RAL	**RRA Rank Curr:**	
CD No:	233	**RRA Abate:**	
Date Reported:	2002-05-21 00:00:00 UTC	**RRA Rank:**	
Date Occured:	2002-04-23 00:00:00 UTC	**MGR:**	JFM
Close Out Dt:	2002-06-12 00:00:00 UTC	**Incident Name:**	RTP CONNECTION
Land Use:	RES	**Address:**	809 AIRPORT BOULEVARD
LUR Filed Dt:		**City Town:**	MORRISVILLE
Lur Resc Dt:		**Zip Code:**	27560-9192
LUR State:		**County:**	WAKE
Comm:	N	**Lat:**	35.856111
Reg:	N	**Long:**	-78.825278
Conf Risk:	L	**Point X:**	-78.82527533059049
Risk:	L	**Point Y:**	35.85610391156562
Docs Link:	http://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand=%7B%5BWM%5D%3A%5BProgram_ID%5D%3D%22%2ARA-465%2A%22%7D		

Division of Waste Management Site Locator Tool - UST Incidents

MGR:	JFM	**CD NO:**	233
RO Code:	RAL	**LUR Filed Dt:**	
Date Occurred:	2002-04-23 00:00:00 UTC	**Lur Resc Dt:**	
Closeout Dt:	2002-06-12 00:00:00 UTC	**LUR State:**	
Date Reported:	2002-05-21 00:00:00 UTC	**SL MGR:**	
Date Reported FY:	2002	**SL Cleanup Strt Dt:**	
Date Occured FY:	2002	**SL Cleanup End Dt:**	
Comm:	N	**SL Site Stat:**	
Reg:	N	**SL FTFRecDte:**	
Perc Com Fnd Elig:		**Rra Dt:**	
TOT Paid:		**RRA Risk:**	
Conf Risk:	L	**RRA Rank Curr:**	0
Risk:	L	**RRA Abate:**	
Landuse:	RES	**RRA Rank:**	
Inc Stat:	Closed	**X:**	-78.825278
Closeout FY:	2002	**Y:**	35.856111
Docs Link:	http://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand=%7B%5BWM%5D%3A%5BProgram_ID%5D%3D%22%2ARA-465%2A%22%7D		
Comment:			

Weekly RUST Incident Reports

Release Date:		**Book:**	
Release Cause:		**Page:**	
Source:	Underground Storage Tank	**Product:**	
Commercial:	Non Commercial	**Cleanup End:**	
Regulated:	Non Regulated	**Cdnum:**	233
NORR Issued:		**Current Rank:**	
NOV Issued:		**Current Abatement:**	
Priority:		**Discovered:**	4/22/2002 8:00:00 AM
Reported:	5/20/2002 8:00:00 AM	**Discovery Method:**	
Risk:	L	**Landowner Rp :**	
Current Risk:		**Operation Type:**	Residential
Contamination:	SL - Soil	**Ownership:**	
Contam Source:		**Type :**	
Intercons:		**Status:**	Resolved
Land Use:	RES	**Reported By:**	
Cap Type:		**Rcmethod:**	
Rbca Gw:	S3 - Soil to Groundwater	**Rbcs Sl:**	
Close Out:	6/11/2002 8:00:00 AM	**Priority Code:**	Low
Supply Well:	0	**Location:**	
Well Mtbe:	0	**City:**	
GW Mtbe:		**County:**	WAKE
MTBE Edb:		**Zip Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Rccode:
LUR Filed:
LUR Rescinded:
LUR State:
Facil ID:
Rpl Ust Sys Owner Accnt A:
Rpop Ust Sys Owner Accnt:
Rpow Ust Sys Owner Accnt:
Company Primary Rp Rp : RTP CONNECTION (PARTNERSHIP)
Contact Primary Rp Rp :
Address Primary Rp Rp : 207 BEACH ROAD
City Primary Rp Rp : WIMINGTON
State Primary Rp Rp : NC
Zip Code Primary Rp Rp :
Hcs Ref Accuracy Accuracy :
Hcs Res Accuracy Accuracy :
Accuracy:
Acc Ref:
Acc Res:
Comments:
Email Address:
Incident Manager: John Maloy
Region: ral

RUST RRA Audit Logs

Incident: [26687] RTP CONNECTION
Rank:
Risk:
Abatement:

Incident: [26687] RTP CONNECTION
Rank:
Risk:
Abatement:

6	*1 of1*	*SW*	*0.63 / 3,309.10*	*381.88 / 16*	***KOPPERS CO INC*** ***NC***	***HSDS***

Superfund ID: 003 200 383
Haz Subst. Disposal Sites1298: 275
Haz Subst. Disp Sites1298 ID: 270
SIS:
NONCD:
SSF:
State or Federal Code: 1
Total Area in Coverage Units: 249291.046875
Total Perim in Coverage Units: 2015.58740234
X Coordinate in Feet: 2047352
Y Coordinate in Feet: 763212.125
Long: 78 50 24.811509
Lat: 35 50 49.106075
Note: Documents related to facilities in NC can be searched on the NC DEQ LaserFiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx

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7	*1 of1*	*SW*	*0.67 / 3,526.92*	*381.29 / 15*	***KOPPERS CO., INC. (MORRISVILLE PLANT)*** ***HWY 54 W*** ***MORRISVILLE NC 27560***	***NPL***

EPA ID: NCD003200383
Data Source: U.S. EPA Superfund Program. Source: SEMS Superfund Public User Database. FOIA4 All Final NPL Sites. (as of 26 Dec 2025); U.S. EPA Site Boundaries Shapefile Download (as of 18 Jan 2026); Superfund NPR Sites with Status Information (as of 8 Jan 2026)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NPL (FOIA-004 All Final NPL Sites)

NPL Status Dt:	03/31/89	***Region:***	04
Federal Facility:	No	***County:***	WAKE
SAA (Superfund Alt):		***Latitude:***	+35.846300
NAI:	No	***Longitude:***	-78.840600
NA Entity (NAI Status):			
Site Name:	KOPPERS CO., INC. (MORRISVILLE PLANT)		
Address:	HWY 54 W		
City:	MORRISVILLE		
Zip:	27560		
State:	NC		

NPL (Superfund Sites List)

SEMS ID:	402647	***Constr Complete No:***	455
SITS ID:	1156	***Constr Complete Dt:***	09/11/1997
Site Score:	41.89	***Region:***	4
Status:	NPL Site	***State:***	North Carolina
Proposed Date:	06/24/1988	***County:***	Wake
Listing Date:	03/31/1989	***Latitude:***	35.8463
NOID Date:		***Longitude:***	-78.8406
Deletion Date:			
Notice of Data Availability:			
Site Name:	Koppers Co., Inc. (Morrisville Plant)		
City:	Morrisville		
Site Listing Narrative URL:	https://semspub.epa.gov/src/document/04/11121318		
Site Progress Profile URL:	https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0402647		
Proposed Fr Notice URL:	https://semspub.epa.gov/src/document/11/189648		
Final Fr Notice URL:	https://semspub.epa.gov/src/document/11/189631		
NOID Fr Notice URL:			
Deletion Fr Notice URL:			
Restoration Fr Notice URL:			
Site Partial Deletion URL:	https://www.epa.gov/superfund/partially-deleted-national-priorities-list-npl-sites-site-name		

NPL (EPA Boundaries)

EPA Program:	Superfund Remedial	***GIS Area:***	.08120037
Npl Status Code:	F	***GIS Area Units:***	Square Miles
Federal Facility Deter Code:	No	***Primary Telephone No:***	(404) 562-8814
Region Code:	4		
County:	WAKE		
Site Contact Name:	Beth Walden		
Site Contact Email:	walden.beth@epa.gov		
Feature Info Url:			
Feature Info Url Desc:			
Site Feature Class:	5		
Site Feature Type:	Site Boundary		
Site Feature Name:	Site Boundary		
Site Feature Source:	Unknown		
Site Feature Description:	Approximate Site Boundary		
Projection:			
Sf Geospatial Data Disclaimer:	The Agency is providing this geospatial information as a public service and does not vouch for the accuracy, completeness, or currency of data. Data provided by external parties is not independently verified by EPA. This data is made available to the public strictly for informational purposes. Data does not represent EPA's official position, viewpoint, or opinion, express or implied. This information is not intended for use in establishing liability or calculating Cost Recovery Statutes of Limitations and cannot be relied upon to create any rights, substantive or procedural, enforceable by any party in litigation with the United States or third parties. EPA reserves the right to change these data at any time without public notice.		
Addr Comment:			
URL Alias Txt:	https://www.epa.gov/superfund/koppers-morrisville		

8	***1 of1***	***SSW***	***0.76 / 3,996.61***	***369.47 / 4***	***KOPPERS COMPANY, INC. HWY 54 WEST***	***SHWS***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					MORRISVILLE NC	

EPA ID: NCD003200383
County (DL): WAKE
Latitude (DL): 35.855233395949774
Longitude (DL): -78.84022541916666
County (Web): Wake
Zip (Web): 27560
Site Name (DL): KOPPERS COMPANY, INC.
Address(DL): HWY 54 WEST
City (DL): MORRISVILLE
Site Name (Web): Koppers Co. (Morrisville Plant)
Addr (Web): Mccrimmon Parkway
City (Web): Morrisville
Site Name:
Addr:
City:
Point Y (Web): 35.84709291395388
Point X (Web): -78.83832732712078
County:
Point Y:
Point X:
Original Source(s): Inactive Hazardous Sites Inventory Database (DL) (as of 30 Jun 2025); NC Dept. of Environmental Quality Online GIS - Federal Remediation Branch (Web) (as of 3 Apr 2025)
Note: Documents related to facilities in NC can be searched on the NC DEQ Laser Fiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx

Division of Waste Management Site Locator Tool - Federal Remediation Branch Layer

Alt Site N: 0
Update Dt: 2024-05-09 00:00:00 UTC
Oversight: NPL
Collect Method: INTERPOLATION - DIGITAL MAP SRCE (TIGER)
X:
Y:
Hor Datum: NAD83
Site Manager: David Mattison
Phone: (919) 707-8336
Email: David.Mattison@deq.nc.gov
Longitude: -78.83833
Latitude: 35.8471
EPA Info URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0402647
Doc Link: https://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand={[WM]:[Program_ID]=%22*NCD003200383*%22}

NCDEQ - Location Detail

Source: USGS 7.5 Minute Quad
Geolocation Code Desc: Hard Copy Map (24,000 Resolution)

NCDEQ - Site Categories Detail

SPL Score:
Category: Other Agency Lead
Partial AA: FALSE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of1	SW	0.87 / 4,575.93	382.24 / 16	KOPPERS CO., INC. (MORRISVILLE PLANT) HWY 54 W MORRISVILLE NC 2756	SUPERFUND ROD

EPA ID: NCD003200383
Site ID: 0402647
NPL Status: Final
Non NPL Status:
Region: 04
EPA ID (SFDB): NCD003200383
Site Name (SFDB): KOPPERS CO., INC. (MORRISVILLE PLANT)
State (SFDB): NC
Region (SFDB): 04
Data Source(s): SEMS Superfund Public User Database (as of 30 Jan 2026); Searchable Superfund Decision Documents Database (SFDB) (as of 26 Jan 2026)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Superfund Decision Documents Details (SFDB)

Doc ID: 10902134
Date: 08/21/2012
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/04/10902134
Title: EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD), KOPPERS SUPERFUND SITE, MORRISVILLE, NORTH CAROLINA.

Doc ID: 10570439
Date: 12/23/1992
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/04/10570439
Title: RECORD OF DECISION, KOPPERS CO. INC. SITE (MORRISVILLE PLANT), MORRISVILLE, WAKE COUNTY, NORTH CAROLINA.

Historical Document Information

Doc ID: 10903413
Title: "EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD), KOPPERS SUPERFUND SITE, MORRISVILLE, NORTH CAROLINA," EPA REGION 4.(34 pp, 11.7 MB, PDF)
Date: 08/21/2012
Pub No:
Description:
PDF Link: http://semspub.epa.gov/src/document/04/10903413

Completed RODs, ROD Amendments and ESDs (FOIA 2) Details

Seq ID: 1
Actual Comp Date: 8/21/2012 5:00:00 AM
Action Name: Explanation Of Significant Differences (ESD)
Operable Unit Name: OU01

Seq ID: 1
Actual Comp Date: 12/23/1992 5:00:00 AM
Action Name: Record of Decision (ROD)
Operable Unit Name: OU01

10	1 of1	SSE	0.94 / 4,943.13	345.12 / -21	DEHAVEN 413 AIRPORT BLVD. MORRISVILLE NC	SHWS

EPA ID: NONCD0001598
County (DL): Wake
Latitude (DL): 35.843611
Longitude (DL): -78.83
County (Web):
Zip (Web):
Site Name (DL): DEHAVEN
Address(DL): 413 AIRPORT BLVD.
City (DL): MORRISVILLE
Site Name (Web):
Addr (Web):
City (Web):
Site Name: DEHAVEN
Addr: 413 AIRPORT BLVD.
City: MORRISVILLE
Original Source(s): NC Dept. of Environmental Quality Online GIS - Inactive Hazardous Sites (as of 6 Jan 2025) (as of 2 Jul 2025); Inactive Hazardous Sites Inventory Database (DL) (as of 30 Jun 2025)
Note: Documents related to facilities in NC can be searched on the NC DEQ Laser Fiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx

Point Y (Web):
Point X (Web):
County: WAKE
Point Y: 35.84360391440338
Point X: -78.82999732983015

Division of Waste Management Site Locator Tool - Inactive Hazardous Waste Layer

Land Use Restrict:	FALSE	***Source:***	ACMEMAPPER
Voluntary Cleanup:	FALSE	***Longitude:***	-78.83
Update Dt:	2025-07-02 00:00:00 UTC	***Latitude:***	35.843611
Geo Location Code:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP		
Laser Fiche:	https://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand={[WM]:[Program_ID]=%22*NONCD0001598*%22}		

NCDEQ - Location Detail

Source:	AcmeMapper
Geolocation Code Desc:	On Screen Placement On Georeferenced Map

NCDEQ - Site Categories Detail

SPL Score:	35.29
Category:	SPL
Partial AA:	FALSE

Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
LUST	AVIS - RDU AIRPORT	AIRPORT BLVD	RALEIGH NC	27609-	825345481
LUST	FAA - MORRISVILLE	RALEIGH DURHAM AIRPORT BLVD.	MORRISVILLE NC	27560-	825345580
SHWS	AUBURN CHURCH ROAD DRUM	AUBURN CHURCH ROAD ***EPA ID:*** NCD981929615	RALEIGH NC		819097820

Unplottable Report

Site: ***AVIS - RDU AIRPORT***
AIRPORT BLVD RALEIGH NC 27609-

LUST

Facility ID:	00-0-0000005347	***UST No (Map):***	RA-4123
UST No:		***County (Map):***	WAKE
Incident No:		***Zip Code (Map):***	27609-
Contam Type:		***UST No (DWM Map):***	RA-4123
Current Status:		***Curr Stat(DWM Map):***	Archived
Status Title:		***County (DWM Map):***	WAKE
Date Occurred:		***Zip Code (DWM Map):***	27609-
Close Out:		***Lat (DWM Map):***	-0.000002080306851459655
Cleanup:		***Lon (DWM Map):***	-0.00002030160970046835
Zip Code:		***Latitude:***	
County:		***Longitude:***	
Incident Name:			
Address:			
City Town:			
Incident Name (Map):	AVIS - RDU AIRPORT		
Address (Map):	AIRPORT BLVD		
City Town (Map):	RALEIGH		
Incdnt Nm(DWM Map):	AVIS - RDU AIRPORT		
Address (DWM Map):	AIRPORT BLVD		
City (DWM Map):	RALEIGH		
UST No (IMD):			
Note:	Documents related to facilities in NC can be searched on the NC DEQ LaserFiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx		
Data Source:	Division of Waste Management Site Locator Tool - UST Incidents (as of 25 Sep 2025); Underground Storage Tank Incidents - RUST (Map) (as of 25 Sep 2025)		

UST Incidents

Facility ID:	00-0-0000005347	***RRA Dt:***	
Current Status:	A	***RRA Risk:***	
RO Code:	RAL	***RRA Rank Curr:***	
CD No:	27	***RRA Abate:***	
Date Reported:	1990-03-27 00:00:00 UTC	***RRA Rank:***	
Date Occured:	1990-03-27 00:00:00 UTC	***MGR:***	
Close Out Dt:	1990-03-27 00:00:00 UTC	***Incident Name:***	AVIS - RDU AIRPORT
Land Use:		***Address:***	AIRPORT BLVD
LUR Filed Dt:		***City Town:***	RALEIGH
Lur Resc Dt:		***Zip Code:***	27609-
LUR State:		***County:***	WAKE
Comm:	C	***Lat:***	0
Reg:	R	***Long:***	0
Conf Risk:	L	***Point X:***	-0.00002030160970046835
Risk:		***Point Y:***	-0.000002080306851459655
Docs Link:	http://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand=%7B%5BWM%5D%3A%5BProgram_ID%5D%3D%22%2ARA-4123%2A%22%7D		

Division of Waste Management Site Locator Tool - UST Incidents

MGR:		***CD NO:***	27
RO Code:	RAL	***LUR Filed Dt:***	
Date Occurred:	1990-03-27 00:00:00 UTC	***Lur Resc Dt:***	
Closeout Dt:	1990-03-27 00:00:00 UTC	***LUR State:***	
Date Reported:	1990-03-27 00:00:00 UTC	***SL MGR:***	
Date Reported FY:	1990	***SL Cleanup Strt Dt:***	
Date Occured FY:	1990	***SL Cleanup End Dt:***	
Comm:	C	***SL Site Stat:***	
Reg:	R	***SL FTFRecDte:***	

Perc Com Fnd Elig:		***Rra Dt:***	
TOT Paid:		***RRA Risk:***	
Conf Risk:	L	***RRA Rank Curr:***	0
Risk:		***RRA Abate:***	
Landuse:		***RRA Rank:***	
Inc Stat:	Closed	***X:***	0
Closeout FY:	1990	***Y:***	0

Docs Link: http://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand=%7B%5BWM%5D%3A%5BProgram_ID%5D%3D%22%2ARA-4123%2A%22%7D

Comment: All samples less than 10 ppm TPH. 8,000 gal gasoline UST removed 9/13/89.

Site: ***FAA - MORRISVILLE***
RALEIGH DURHAM AIRPORT BLVD. MORRISVILLE NC 27560- LUST

Facility ID:	00-0-0000005729	***UST No (Map):***	RA-4133
UST No:		***County (Map):***	WAKE
Incident No:		***Zip Code (Map):***	27560-
Contam Type:		***UST No (DWM Map):***	RA-4133
Current Status:		***Curr Stat(DWM Map):***	Archived
Status Title:		***County (DWM Map):***	WAKE
Date Occurred:		***Zip Code (DWM Map):***	27560-
Close Out:		***Lat (DWM Map):***	-0.000002080306851459655
Cleanup:		***Lon (DWM Map):***	-0.00002030160970046835
Zip Code:		***Latitude:***	
County:		***Longitude:***	
Incident Name:			
Address:			
City Town:			
Incident Name (Map):	FAA - MORRISVILLE		
Address (Map):	RALEIGH DURHAM AIRPORT BLVD.		
City Town (Map):	MORRISVILLE		
Incdnt Nm(DWM Map):	FAA - MORRISVILLE		
Address (DWM Map):	RALEIGH DURHAM AIRPORT BLVD.		
City (DWM Map):	MORRISVILLE		
UST No (IMD):			

Note: Documents related to facilities in NC can be searched on the NC DEQ LaserFiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx

Data Source: Division of Waste Management Site Locator Tool - UST Incidents (as of 25 Sep 2025); Underground Storage Tank Incidents - RUST (Map) (as of 25 Sep 2025)

UST Incidents

Facility ID:	00-0-0000005729	***RRA Dt:***	
Current Status:	A	***RRA Risk:***	
RO Code:	RAL	***RRA Rank Curr:***	
CD No:	27	***RRA Abate:***	
Date Reported:	1993-02-09 00:00:00 UTC	***RRA Rank:***	
Date Occured:	1993-02-09 00:00:00 UTC	***MGR:***	
Close Out Dt:	1993-05-13 00:00:00 UTC	***Incident Name:***	FAA - MORRISVILLE
Land Use:		***Address:***	RALEIGH DURHAM AIRPORT BLVD.
LUR Filed Dt:		***City Town:***	MORRISVILLE
Lur Resc Dt:		***Zip Code:***	27560-
LUR State:		***County:***	WAKE
Comm:	C	***Lat:***	0
Reg:	R	***Long:***	0
Conf Risk:	L	***Point X:***	-0.00002030160970046835
Risk:		***Point Y:***	-0.000002080306851459655

Docs Link: http://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand=%7B%5BWM%5D%3A%5BProgram_ID%5D%3D%22%2ARA-4133%2A%22%7D

Division of Waste Management Site Locator Tool - UST Incidents

MGR:		***CD NO:***	27
RO Code:	RAL	***LUR Filed Dt:***	
Date Occurred:	1993-02-09 00:00:00 UTC	***Lur Resc Dt:***	
Closeout Dt:	1993-05-13 00:00:00 UTC	***LUR State:***	
Date Reported:	1993-02-09 00:00:00 UTC	***SL MGR:***	
Date Reported FY:	1993	***SL Cleanup Strt Dt:***	
Date Occured FY:	1993	***SL Cleanup End Dt:***	

Comm:	C	***SL Site Stat:***	
Reg:	R	***SL FTFRecDte:***	
Perc Com Fnd Elig:		***Rra Dt:***	
TOT Paid:		***RRA Risk:***	
Conf Risk:	L	***RRA Rank Curr:***	0
Risk:		***RRA Abate:***	
Landuse:		***RRA Rank:***	
Inc Stat:	Closed	***X:***	0
Closeout FY:	1993	***Y:***	0

Docs Link: http://edocs.deq.nc.gov/WasteManagement/Search.aspx?dbid=0&searchcommand=%7B%5BWM%5D%3A%5BProgram_ID%5D%3D%22%2ARA-4133%2A%22%7D

Comment:

Site: ***AUBURN CHURCH ROAD DRUM***
AUBURN CHURCH ROAD RALEIGH NC

SHWS

EPA ID:	NCD981929615	***Point Y (Web):***	
County (DL):	WAKE	***Point X (Web):***	
Latitude (DL):	35.72413	***County:***	
Longitude (DL):	-78.57762	***Point Y:***	
County (Web):		***Point X:***	
Zip (Web):			

Site Name (DL): AUBURN CHURCH ROAD DRUM
Address(DL): AUBURN CHURCH ROAD
City (DL): RALEIGH
Site Name (Web):
Addr (Web):
City (Web):
Site Name:
Addr:
City:
Original Source(s): Inactive Hazardous Sites Inventory Database (DL) (as of 30 Jun 2025)
Note: Documents related to facilities in NC can be searched on the NC DEQ Laser Fiche WebLink: https://edocs.deq.nc.gov/WasteManagement/Search.aspx

NCDEQ - Location Detail

Source: AcmeMapper
Geolocation Code Desc: On Screen Placement On Georeferenced Map

NCDEQ - Site Categories Detail

SPL Score:
Category: NFA
Partial AA: FALSE

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Currently on the Final NPL (F)' and/or the 'Site is Part of NPL Site (A)'. These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 18, 2026

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Dec 26, 2025

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Dec 26, 2025

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 30, 2025

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Nov 30, 2025

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste. This list also includes RCRAInfo sites that have notified as LQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Nov 30, 2025

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month. This list also includes RCRAInfo sites that have notified as SQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: Nov 30, 2025

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 30, 2025

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 30, 2025

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Nov 30, 2025

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 30, 2026

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jan 30, 2026

Land Use Controls Information System: LUCIS

The Land Use Controls Information System (LUCIS) database is sourced from the U.S. Department of the Navy (DON). This data contains information for former Base Realignment and Closure (BRAC) properties across the United States. DON's BRAC office was tasked with tracking certain base closures while requiring the prevention of risks to human health and the environment of those properties with LUCs in place. Regarding currently available LUC Sites data, the sites listing is limited to centroid point locations for the overall installation property boundaries. Formerly obtained LUC Sites data may reflect site details that applied previously for a BRAC property.

Government Publication Date: Jun 13, 2024

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Jan 18, 2026

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 30, 2025

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 8, 2025

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. The list includes FRP facilities sourced from the EPA FOIA office and from previously available Homeland Infrastructure Foundation-Level Data (HIFLD) file/s. Disclaimer: Per the EPA FOIA Office, the verification process for current requested FRP data is undergoing review and revision, and any similar reporting will be made public in Fiscal Year 2026. For this reason, the latest available FOIA file may be incomplete.

Government Publication Date: Jun 1, 2025

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jun 1, 2025

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 5, 2025

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Dec 26, 2025

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Jan 30, 2026

State

Inactive Hazardous Sites and Federal Remediation Branch Sites: SHWS

Sites on the Inactive Hazardous Sites Inventory and Federal Remediation Branch sites made available by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ). "Inactive Hazardous Sites" by definition are any areas where a hazardous substance release has come to be located and would include active and inactive facilities and a variety of property types. The term "inactive" refers to the fact that cleanup was inactive at large numbers of sites at the time of program enactment. The Federal Remediation Branch works cooperatively with the US Environmental Protection Agency (EPA) to implement the federal Superfund program under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) as amended.

Government Publication Date: Jul 2, 2025

State Trust Funds Database: LUST TRUST

The Trust Fund Branch administers the Leaking Petroleum Underground Storage Tank Cleanup Funds and Environmental Protection Agency (EPA) grants. The Underground Storage Tank (UST) funds provide reimbursement for costs incurred during the cleanup of soil and groundwater contamination resulting from a release of petroleum from an underground storage tank. Two funds, the Commercial Trust Fund and the Non-Commercial Trust Fund, have been established to reimburse tank owners, operators, and landowners for costs associated with cleanups. This was made available by the Division of Waste Management in the Department of Environmental Quality (DEQ).

Government Publication Date: Jan 10, 2025

Delisted Inactive Hazardous Sites Inventory: DELISTED SHWS

List of sites that were once included in - and have since been removed from - the inventory of Inactive Hazardous Sites made available by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ).

Government Publication Date: Jul 2, 2025

Solid Waste Facilities and Landfills: SWF/LF

List of permitted solid waste facilities, landfills, and septage waste sites made available by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ).

Government Publication Date: Feb 9, 2026

Old Landfill Inventory: OLD LF

The Old Landfill Inventory, made available by North Carolina Department of Environment Quality (NCDEQ), lists locations of pre-1983 non-industrial landfills and dumps. Legislation in 2007 (SB1492) resulted in adding new provisions to the Inactive Hazardous Sites Response Act for addressing these landfills. These pre-regulatory landfills are defined as any land area, whether publicly or privately owned, on which municipal solid waste disposal occurred prior to January 1, 1983, but not thereafter, and does not include any landfill used primarily for the disposal of industrial solid waste. The inventory is managed by the Pre-Regulatory Landfill Unit within the NCDEQ's Inactive Hazardous Sites Branch. The North Carolina Department of Environment and Natural Resources (NCDENR) was the former name of the agency now known as the NCDEQ. The name change occurred in 2015 to better reflect the agency's focus on environmental quality and stewardship.

Government Publication Date: Oct 29, 2025

Coal Ash Disposal Sites: COAL ASH LF

The Department of Environmental Quality (DEQ) Division of Waste Management's Solid Waste Program regulates coal combustion residuals (CCR) from coal-fired electric power plants that are disposed of on land in accordance with North Carolina General Statute 130a, which includes the Coal Ash Management Act of 2014 (SL 2014-122 on August 20, 2014). CCRs primarily consist of coal bottom and fly ash, and flue gas desulfurization residuals.

Government Publication Date: Aug 4, 2021

Hazard Substance Disposal Sites: HSDS

A list of Hazard Substance Disposal Sites that are maintained by North Carolina Center for Geographic Information and Analysis. This list monitors the locations of unregulated and uncontrolled hazard waste sites. This list is the state equivalent of National Priority List (NPL).

Government Publication Date: Jan 1, 1999

Incident Management Database (Regional Underground Storage Tanks): LUST

List of sites where there has been a release of petroleum to the soil and/or groundwater, from an Underground Storage Tank (UST) system. Data is extracted from the Regional Underground Storage Tank (RUST) database made available by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ).

Government Publication Date: Sep 25, 2025

Aboveground Incident Management Database (Regional Aboveground Storage Tanks): LAST

This list of sites where there has been a discharge of petroleum to the soil and/or groundwater, from a source other than an Underground Storage Tank (UST) system (i.e., Aboveground Storage Tank (AST) system, spills, dumping, etc.) is provided by The Division of Waste Management (DWM) in the North Carolina Department of Environmental Quality (DEQ). The data is compiled from the DEQ's Aboveground Incident Management Database (Regional Aboveground Storage Tanks), Online GIS Data Set, and DWM's Site Locator Map Tool.

Government Publication Date: Jul 18, 2025

Delisted Leaking Storage Tanks: DELISTED LST

List of leaking storage tank sites which were once included, but have since been removed from the Incident Management Databases made available by the North Carolina Department of Environmental Quality (DEQ)'s Division of Waste Management.

Government Publication Date: Jul 18, 2025

Registered Tanks Database: UST

List of registered underground storage tanks made available by the Division of Waste Management in North Carolina's Department of Environmental Quality (DEQ).

Government Publication Date: Mar 2, 2026

Aboveground Storage Tanks: AST

A listing of registered Aboveground Storage Tank sites made available by the North Carolina Department of Environmental Quality (DEQ). Note that aboveground storage tanks are only required to be registered with NC DEQ if they meet the definition of an Oil Terminal Facility.

Government Publication Date: Aug 22, 2025

Petroleum Storage Tanks: TANK

A list of petroleum storage tanks made available by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ).

Government Publication Date: Mar 2, 2026

Delisted Storage Tanks: DTNK

List of sites which were once included, but have since been removed from the Underground or Aboveground Storage Tank databases made available by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ).

Government Publication Date: Mar 2, 2026

Petroleum Contaminated Soil Remediation Permits: SOIL REM PERMITS

A list of sites that have received a permit or Certificate of Approval from the North Carolina Underground Storage Tank Section, under the Petroleum Contaminated Soil Remediation Permit Program. This list is made available by the North Carolina Department of Environmental Quality (NCDEQ), Division of Waste Management (DWM).

Government Publication Date: Aug 9, 2022

No Further Action Sites with Land Use Restrictions Monitoring: INST

This list of No Further Action Sites with Land Use Restrictions recorded as part of the remedy, originates from the North Carolina Department of Environmental Quality (DEQ), Division of Waste Management's Inactive hazardous Sites data.

Government Publication Date: Jul 2, 2025

Land Use Restriction and/or Notices: LUR

Locations of sites or projects managed by the NCDEQ, Division of Waste Management (DWM) having a Notice and/or Land Use Restrictions recorded at a local register of deeds office. The location data is a combined collection from eight (8) sections or programs operating within the DWM. The Notice and/or Land Use Restrictions are allowed based on the following North Carolina General Statutes: Notice of Open Dump; G.S. §130A-301(f); Notice of Inactive Hazardous Substance or Waste Disposal Site; G.S. §130A-310.8; Notice of Brownfields Property; G.S. §130A-310.35; Notice of Oil or Hazardous Substance Discharge Site; G.S. §143-215.85A; Notice of Dry-Cleaning Solvent Remediation; G.S. §143-215.104M; Notice of Contaminated Site; G.S. §143B-279.10; Notice of Residual Petroleum; G.S. §143B-279.11; Notice of Residual Contamination; G.S. §130A-310.71(e).

Government Publication Date: Jun 26, 2024

Fuel Service Stations: FUEL STATIONS

List of active fuel service stations made available by the North Carolina Department of Agriculture & Consumer Services (NCDA&CS). The NCDA&CS have responsibilities in regulatory and service areas covering agronomy including weights and measures and gas and oil inspection.

Government Publication Date: Sep 8, 2025

Delisted Fuel Service Stations: DELISTED FSS

A list of Fuel Service Stations that has been delisted from the active fuel service stations list which is made available by the North Carolina Department of Agriculture & Consumer Services (NCDA&CS).

Government Publication Date: Sep 8, 2025

Responsible Party Voluntary Action Sites: VCP

List of Responsible Party Voluntary Action Sites administered by the Inactive Hazardous Sites Branch of the Superfund Section of the North Carolina Department of Environmental Quality (DEQ). This site listing originates from the DEQ's Inactive Hazardous Sites data.

Government Publication Date: Jul 2, 2025

Brownfields Projects Inventory: BROWNFIELDS

A "brownfields site" is an abandoned, idled or underused property where the threat of environmental contamination has hindered redevelopment. The North Carolina Brownfields Program, which is administered by the Division of Waste Management in the North Carolina Department of Environmental Quality (DEQ), is the state's effort to break this barrier to the redevelopment of these sites.

Government Publication Date: Feb 26, 2026

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes North Carolina, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes North Carolina, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's (EPA) Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. This dataset is sourced from the EPA's PFAS Analytic Tools, and it includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified as PFAS based on EPA's CompTox Chemicals Dashboard lists of PFAS with defined and undefined structures. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

Government Publication Date: Mar 2, 2026

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Oct 8, 2025

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Jan 1, 2026

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 29, 2025

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2025 per agency entity dataset. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: May 30, 2025

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Aug 1, 2025

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Feb 16, 2026

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Dec 16, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Feb 2, 2026

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest: PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Feb 14, 2026

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The dataset was developed from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors, based on the North American Industry Classification System (NAICS) Codes and Standard Industrial Classification (SIC) Codes associated federal regulatory programs (e.g., Clean Water Act, Clean Air Act, and Resource Conservation and Recovery Act) at the facility level; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Feb 16, 2026

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 28, 2025

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Dec 26, 2025

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Oct 18, 2025

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 24, 2026

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites which once appeared on - and have since been removed from - the list of drycleaner facilities included in Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 24, 2026

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Jul 10, 2025

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Aug 8, 2025

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Oct 30, 2025

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). The intent of the site location is to provide a general reference point to the site on a national scale. The coordinates of each site point can be the location of a site monument, the centroid of the site boundary, or a general location of the site. This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Nov 6, 2025

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the U.S. Department of Energy's (DOE) Alternative Fuels Data Center (AFDC) and National Renewable Energy Laboratory (NREL). The DOE's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Dec 16, 2025

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Dec 30, 2025

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 26, 2025

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Aug 12, 2025

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Jun 5, 2025

Historical Business Activity Risk: HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

Government Publication Date: Jan 1, 1960

NPDES Biosolids Program Permit Holders: NPDES BIOSOLIDS

This Water National Pollutant Discharge Elimination System (NPDES) Biosolids Permits list is sourced from the U.S. Environmental Protection Agency's (EPA) Enforcement and Compliance History Online data. EPA's Integrated Compliance Information System (ICIS) for NPDES includes facility and compliance information for NPDES permits in the ECHO Biosolids facility universe. Per the EPA, when sewage from households and businesses (and sometimes wastewater from industrial dischargers) is sent to a wastewater treatment plant, the liquids are separated from the solids, producing a semi-solid, nutrient-rich product known as "sewage sludge" or "biosolids". The EPA typically uses the term "biosolids" to mean sewage sludge that has been treated to meet the agency's regulatory requirements and is intended to be land applied as a soil conditioner or fertilizer.

Government Publication Date: Feb 7, 2026

State

Dry Cleaning Contamination and Solvent Cleanup Act (DSCA) Program: DRYC DSCA

List of Dry Cleaning sites known to the Division of Waste Management in the Department of Environmental Quality (DEQ), including: sites that have been certified into the Dry-Cleaning Solvent Cleanup Act Program (DSCA) Program; sites that are being investigated by the DSCA Program for dry-cleaning solvent contamination; sites that have been investigated and determined not to have been contaminated by dry-cleaning solvent contamination. Made available by the North Carolina Department of Environmental Quality.

Government Publication Date: Feb 27, 2026

Drycleaning Historical Boiler Inspections: DRYC HIST BOILER

North Carolina Department of Labor drycleaner boiler inspections between the years of 1970 and 2005. Made available by the North Carolina Department of Environmental Quality in their Online GIS, for visual reference of possible historical dry-cleaning activity.

Government Publication Date: Dec 6, 2021

Drycleaning City Directories: DRYC CITY DIR

Names and address of dry-cleaning businesses collected from historical city directories, made available by the North Carolina Department of Environmental Quality.

Government Publication Date: Jan 29, 2026

Dry Cleaning Facilities: DRYCLEANERS

A list of dry cleaners made available by the North Carolina Department of Environmental Quality (DEQ), Division of Waste Management. This listing includes active and inactive facilities that are subject to compliance inspections and also closed facilities that are no longer subject to compliance inspections.

Government Publication Date: Feb 26, 2025

Delisted Dry Cleaning Facilities: DELISTED DRYCLEANERS

List of dry cleaner locations which were once included, but no longer appear on, the list of dry cleaner locations made available by the Division of the Waste Management of North Carolina Department of Environmental Quality (DEQ).

Government Publication Date: Jan 29, 2026

Incident Management Database (Spills): SPILLS

This list of spill incidents is provided by the North Carolina Department of Environmental Quality (DEQ). The DEQ's Division of Water Resources is responsible for communications and coordination of cleanups from discharges related to oil spills, sewage spills, and fish kills or algal blooms, that threaten to reach surface waters. The listing includes various types of incidents reported to the DEQ since the early 2000's.
Government Publication Date: Oct 13, 2023

Manufactured Gas Plant (MGP) Sites: MGP
A list of Manufactured Gas Plant (MGP) sites participating in the MGP Assessment and Remediation Program as described in the Administrative Order on Consent 00-SF-192. This list is made available by the North Carolina Environmental Quality (NCDEQ) Division of Waste Management.
Government Publication Date: Mar 22, 2023

Per- and Polyfluoroalkyl Substances (PFAS): PFAS
A list of sites where Per- and Polyfluoroalkyl Substances (PFAS) has been identified, made available by the North Carolina Department of Environment Quality.
Government Publication Date: Aug 27, 2020

Recycling Markets Directory: SWRCY
List of recycling facilities made available by the Division of Environmental Assistance and Customer Service (DEACS) of the NC Department of Environmental Quality. Information is based on data supplied by the listed organizations to DEACS. DEACS is a non-regulatory state agency, does not regularly inspect facilities, and does not represent that the companies are, or are not, in compliance with applicable federal, state and local laws.
Government Publication Date: Feb 28, 2023

Hazardous Waste Sites: HAZ
A list of sites within North Carolina that are regulated by the hazardous waste portions of the Resource Conservation and Recovery Act (RCRA). This list is provided by the North Carolina Department of Environmental Quality (NC DEQ), Division of Waste Management.
Government Publication Date: May 29, 2024

Permitted Septage Sites: SDTF
List of active and permitted Septage Detention and Treatment Facility (SDTF) sites in North Carolina, made available by the North Carolina Department of Environmental Quality.
Government Publication Date: Dec 4, 2025

Tier 2 Report: TIER 2
A list of Tier 2 facilities in North Carolina. This list is made available by the North Carolina Department of Environmental Quality (NC DEQ).
Government Publication Date: Oct 30, 2020

Underground Injection Control Wells: UIC
This list of Underground Injection Control (UIC) Wells is made available by the North Carolina Department of Environment Quality (NCDEQ) Division of Water Resources. The list only includes Class V UIC wells because only Class V UIC wells can be installed in North Carolina.
Government Publication Date: Jan 27, 2026

Air Permitted Facilities: AIR PERMIT
This list of facilities with air quality permits is made available by the Air Quality Division of the North Carolina Department of Environment and Natural Resources.
Government Publication Date: Jul 21, 2020

Animal Feeding Operation Permits: FEEDLOTS
The Water Quality section of the North Carolina Department of Environmental Quality (NCDEQ) provides this list of permits for animal feeding operations and animal facilities.
Government Publication Date: Nov 4, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 5

Historical Aerial Photographs

HISTORICAL AERIALS

Project Property: Wake Tech Community College -
Fire Station
Paramount Parkway
Morrisville NC

Project No: 69593.003

Requested By: Timmons Group, Inc.

Order No: 26032400823

Date Completed: March 27,2026

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
1938	Agricultural Stabilization & Conserv. Service	1" = 500'	
1940	Agricultural Stabilization & Conserv. Service	1" = 500'	
1949	Agricultural Stabilization & Conserv. Service	1" = 500'	
1954	Agricultural Stabilization & Conserv. Service	1" = 500'	
1959	Agricultural Stabilization & Conserv. Service	1" = 500'	
1964	United States Air Force	1" = 500'	
1972	United States Geological Survey	1" = 500'	
1983	United States Geological Survey	1" = 500'	
1993	United States Geological Survey	1" = 500'	
1998	United States Geological Survey	1" = 500'	
2004	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2008	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2020	United States Department of Agriculture	1" = 500'	
2022	United States Department of Agriculture	1" = 500'	
2024	United States Department of Agriculture	1" = 500'	
2025	United States Department of Agriculture	1" = 500'	

Year: 1938
Source: ASCS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

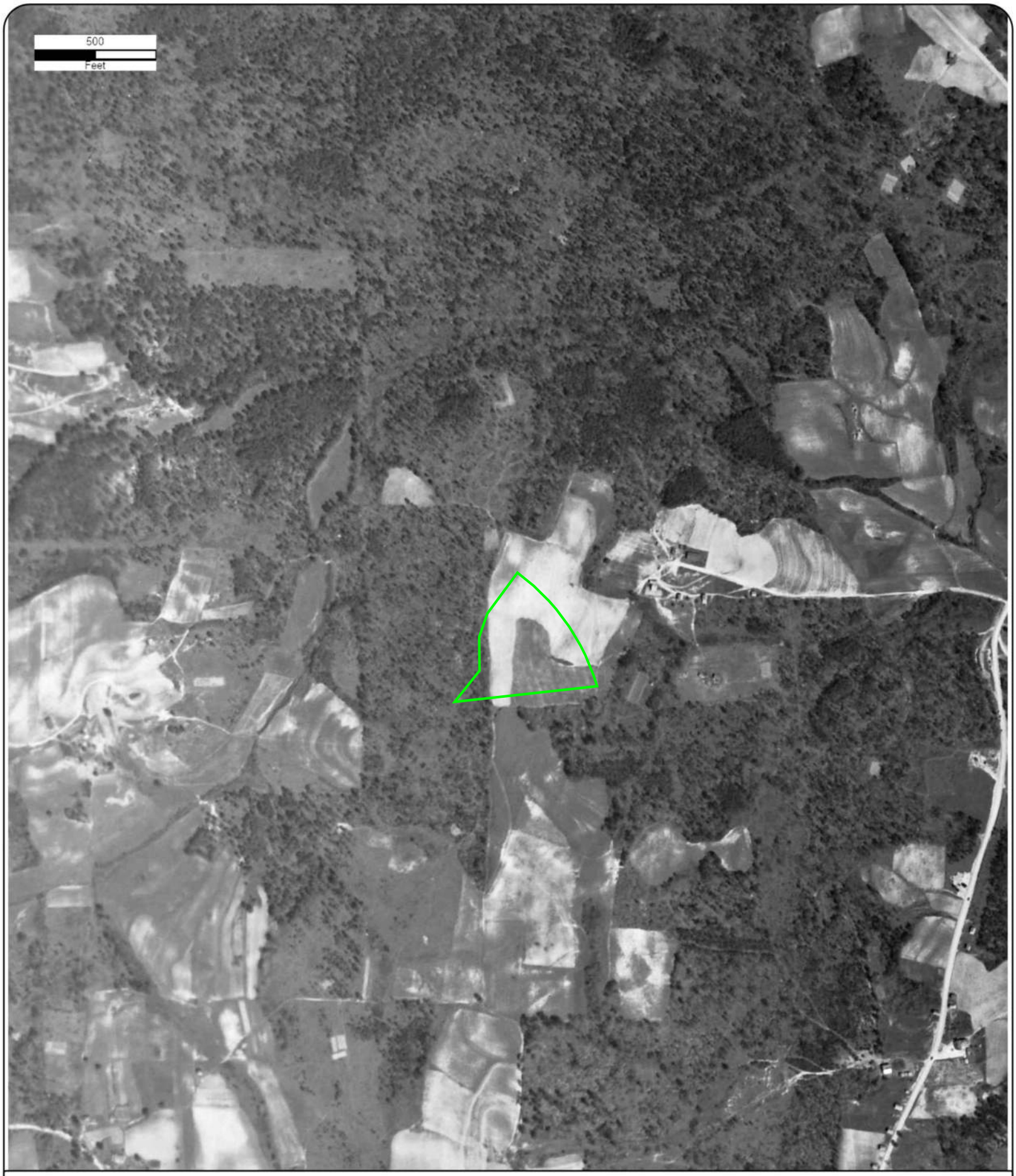
TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1940
Source: ASCS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



Year: 1949
Source: ASCS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1954
Source: ASCS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1959
Source: ASCS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1964
Source: USAF
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1972
Source: USGS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1983
Source: USGS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1993
Source: USGS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

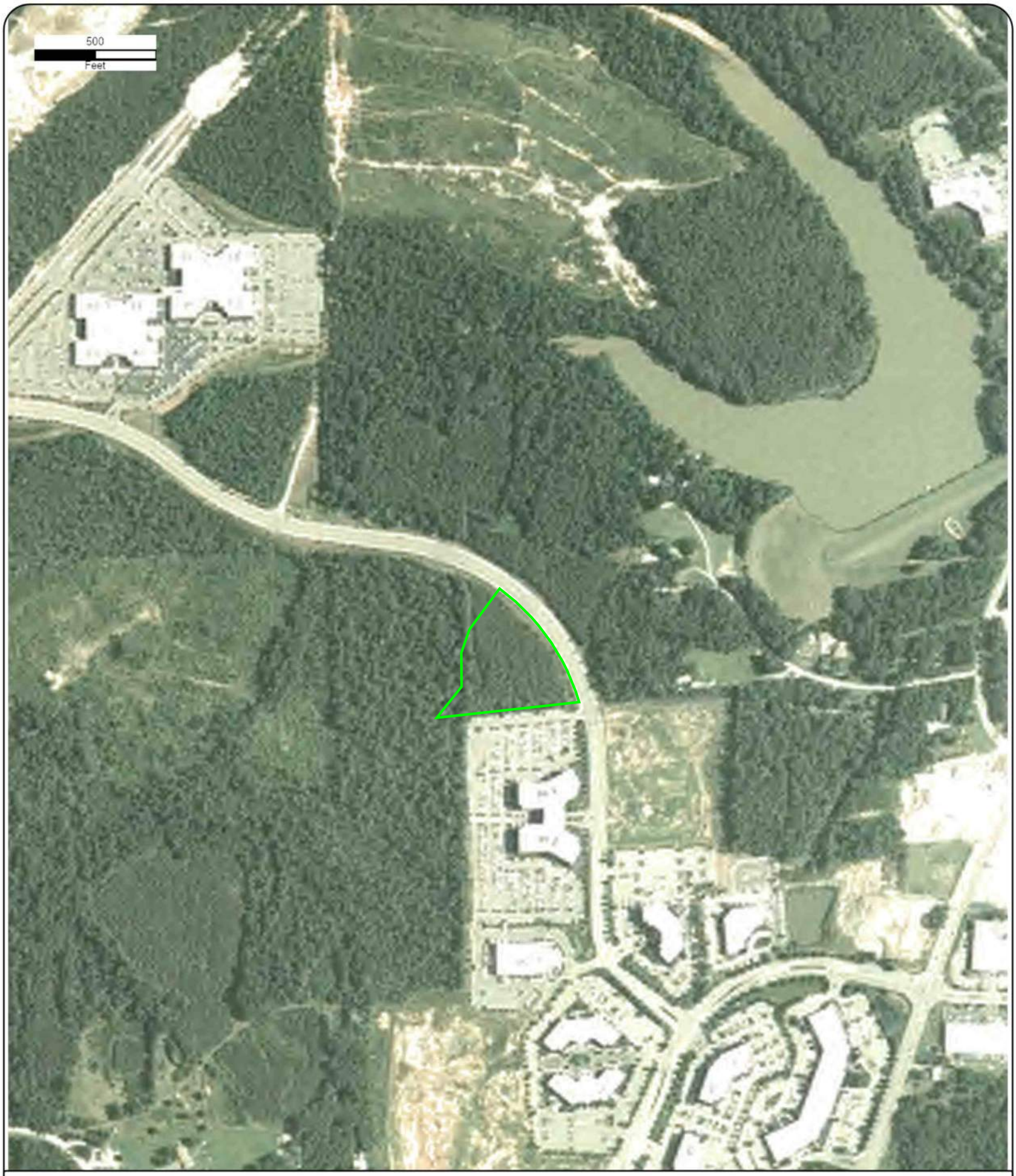
TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 1998
Source: USGS
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

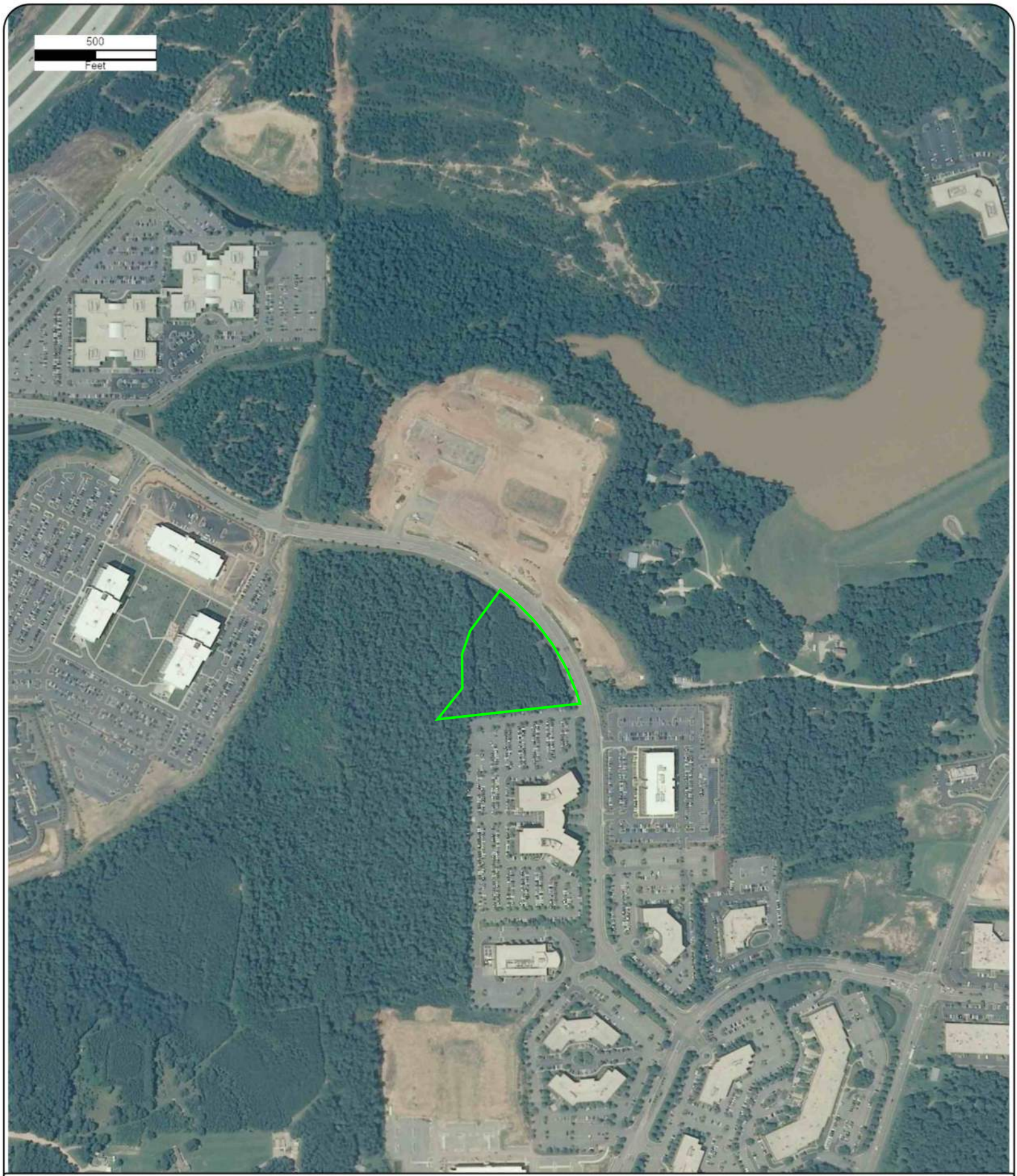
TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

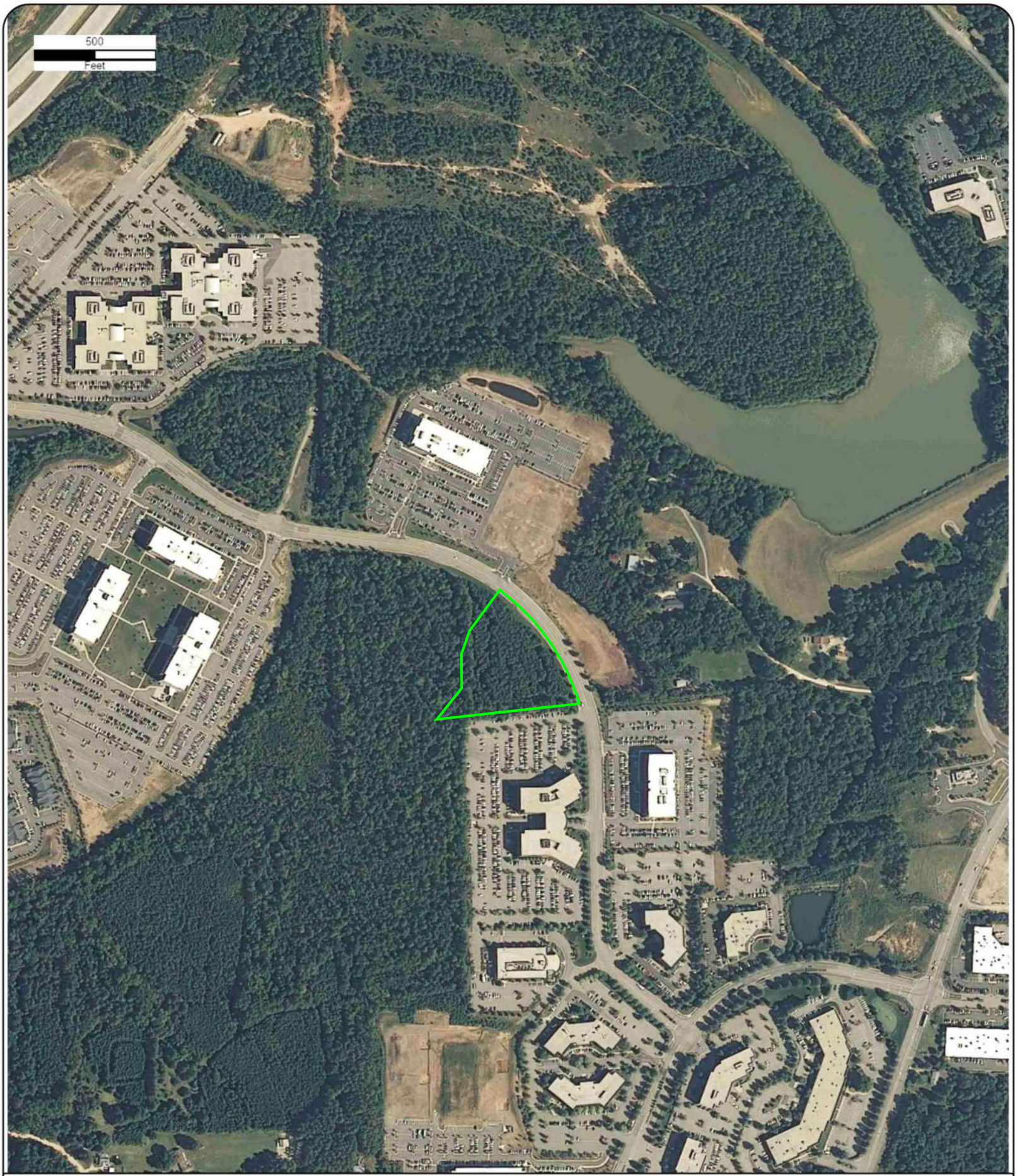


Year: 2008
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

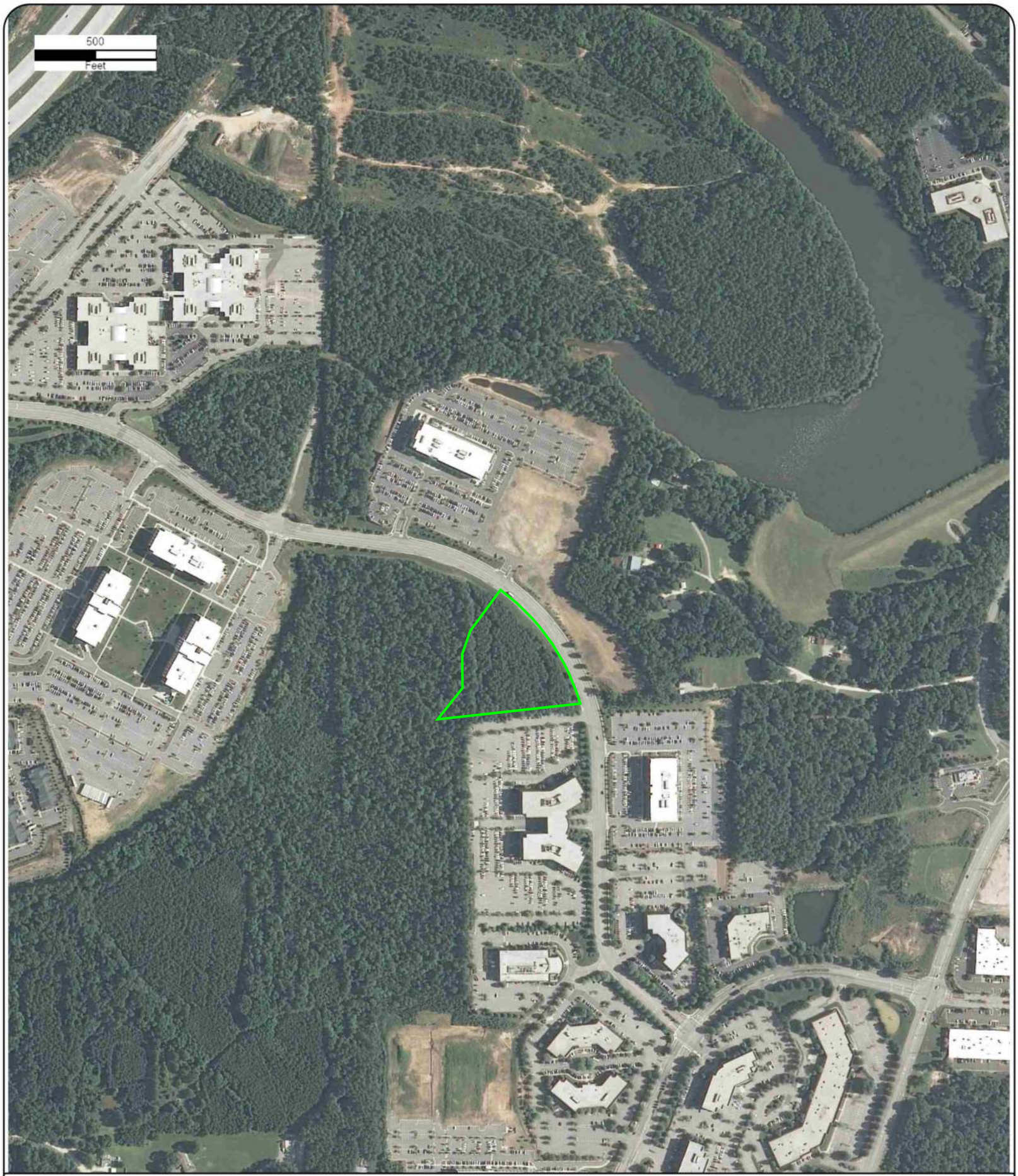


Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

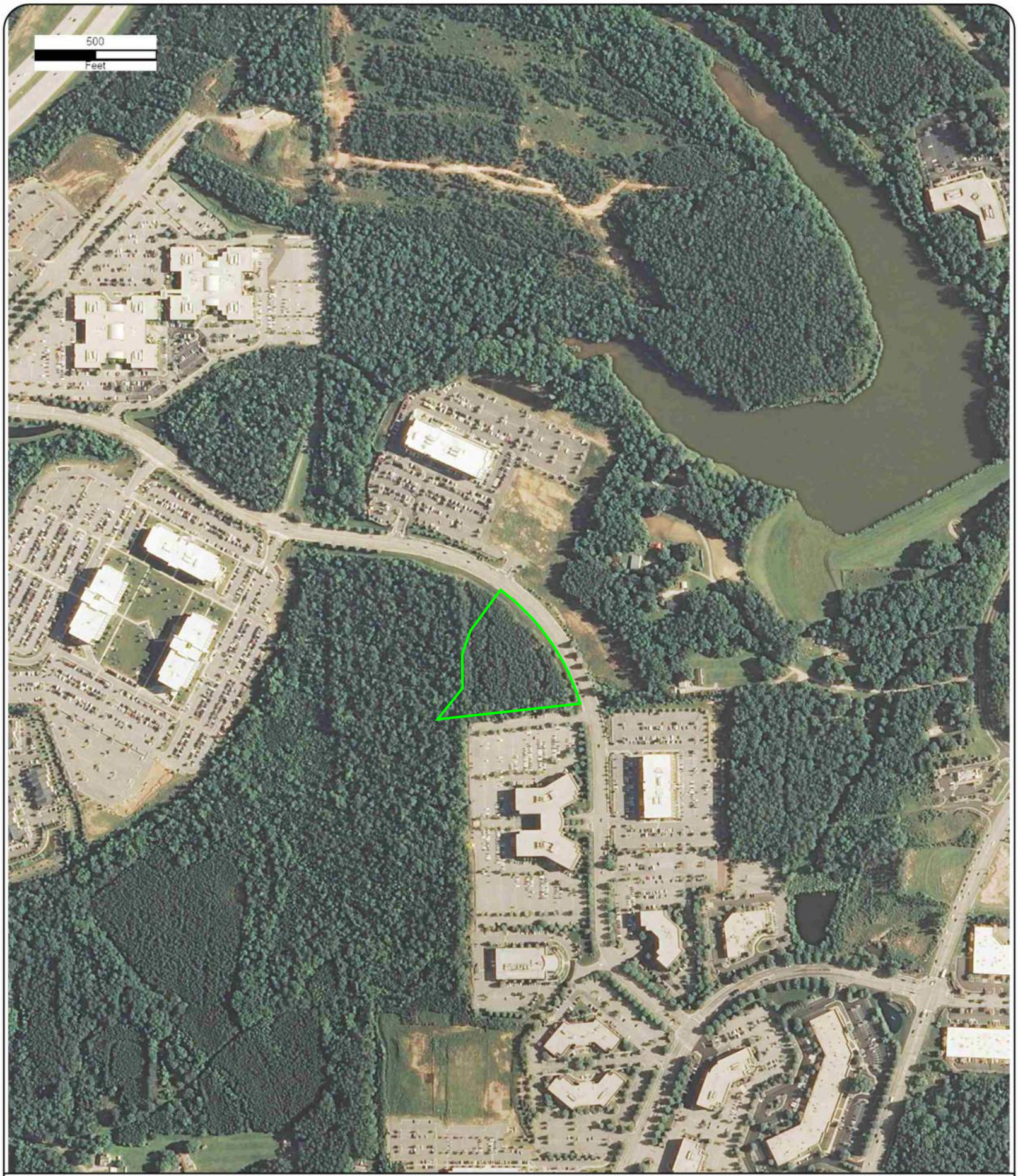


Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

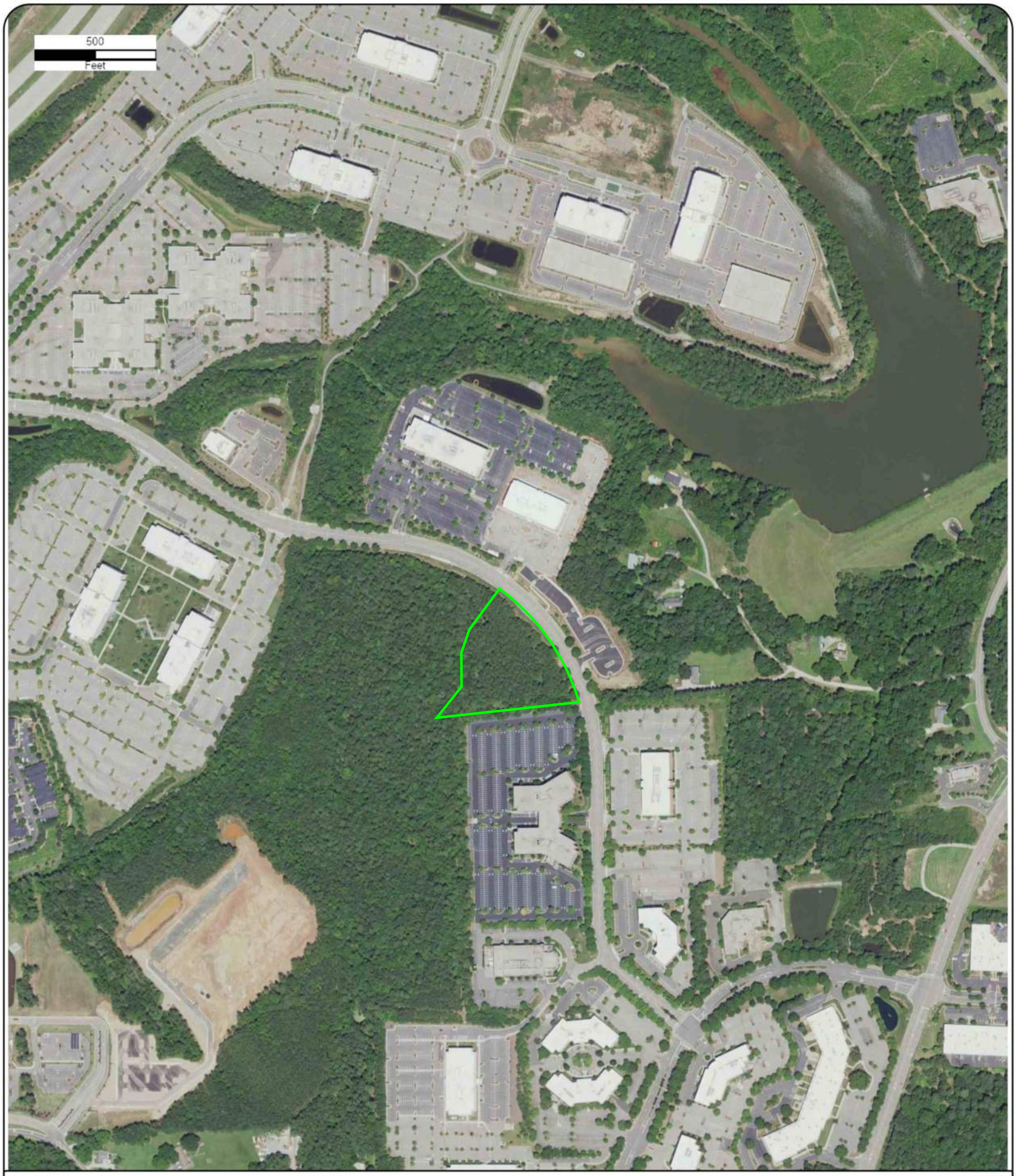
TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

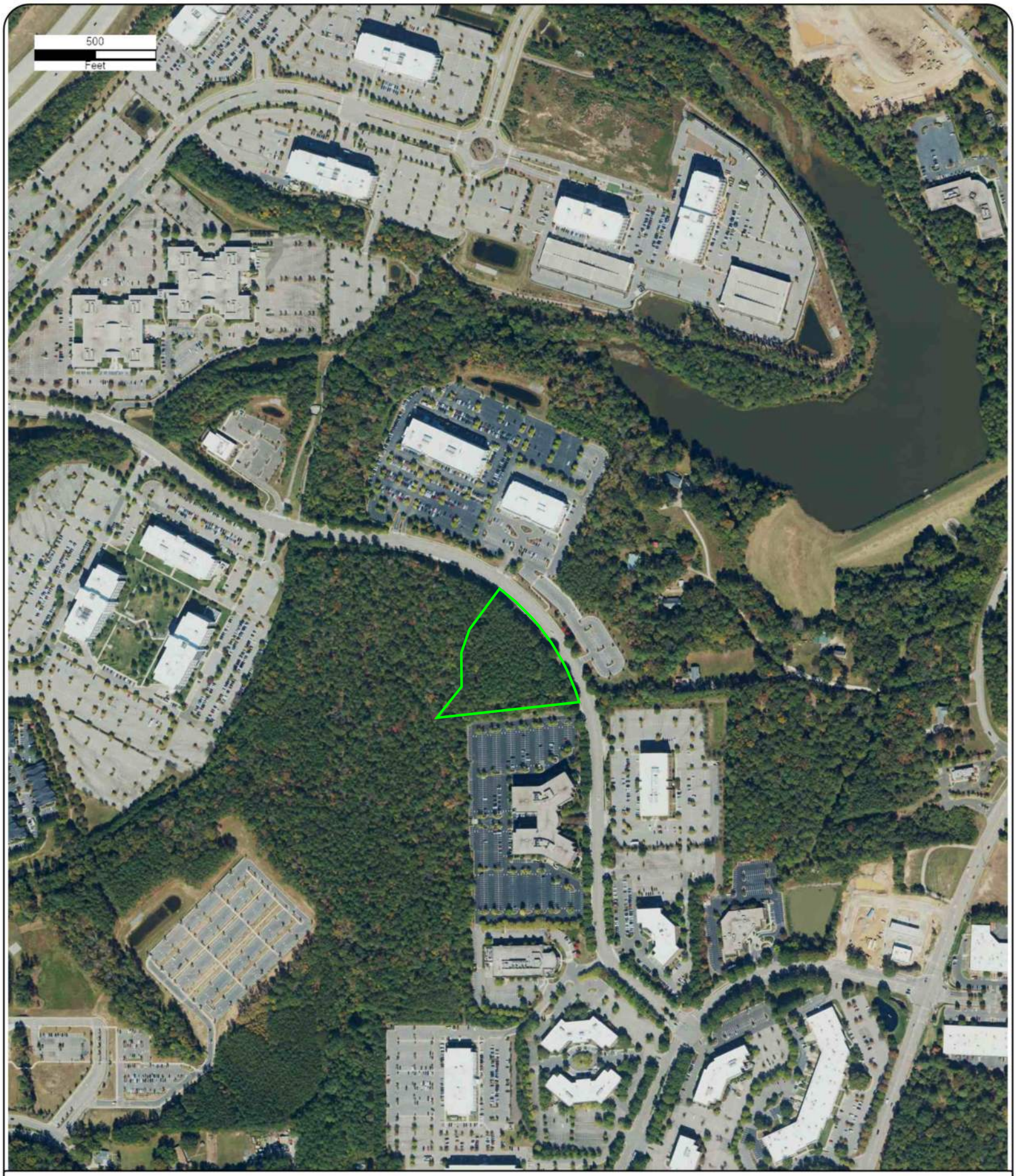


Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

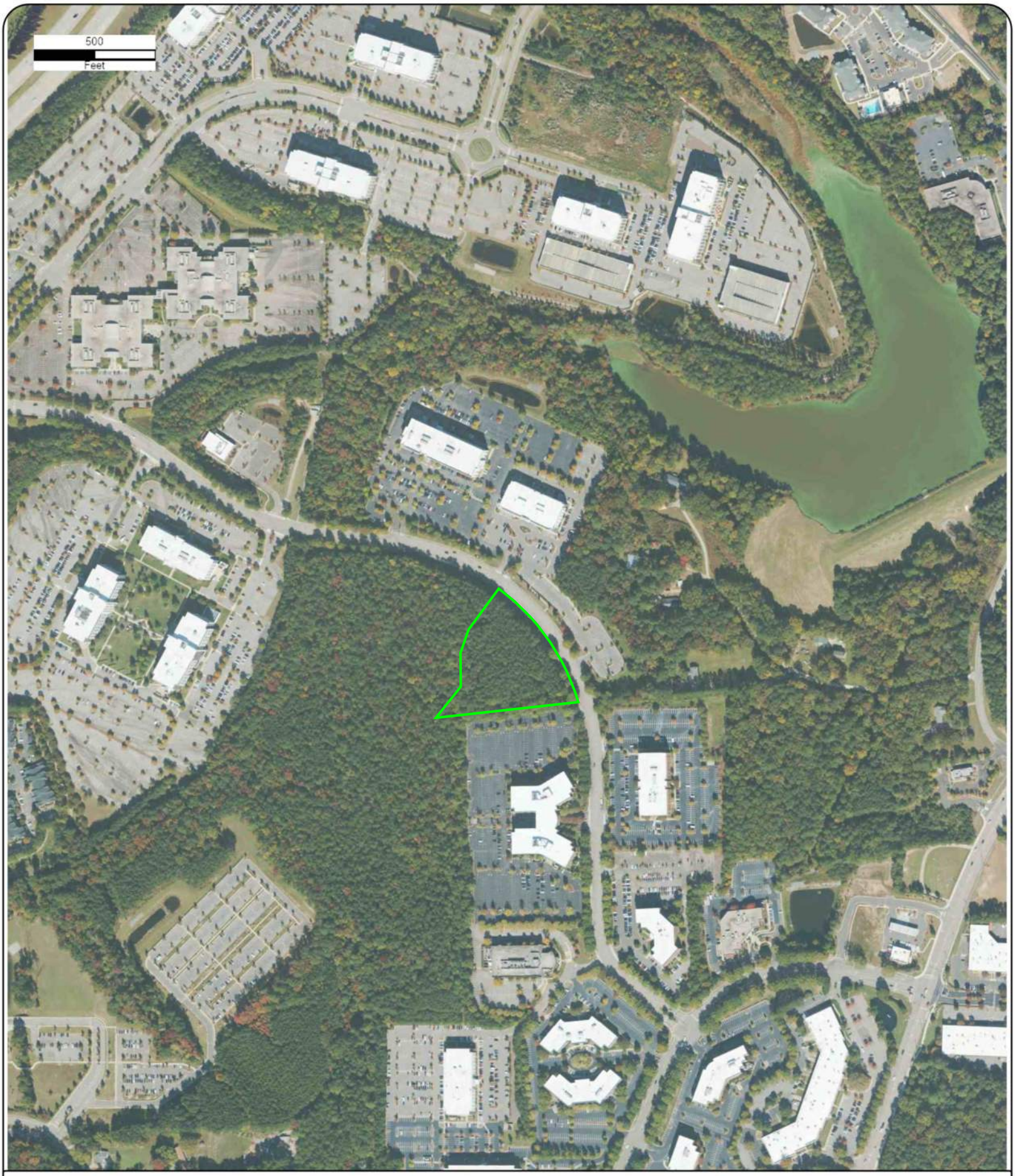


Year: 2022
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



Year: 2024
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

Year: 2025
Source: USDA
Scale: 1" = 500'
Comment:

Address: Paramount Parkway, Morrisville, NC
Approx Center: -78.83135784,35.85756958

Order No: 26032400823

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

APPENDIX 6

Historical City Directories

ERIS

CITY DIRECTORY

Project Property:	*Wake Tech Community College - Fire Station* *Paramount Parkway* *Morrisville,NC*
Project No:	*69593.003*
Requested By:	*Timmons Group, Inc.*
Order No:	*26032400823*
Date Completed:	*March 26, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

March 26, 2026
RE: CITY DIRECTORY RESEARCH
Paramount Parkway
Morrisville,NC

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
ALL of Paramount Pkwy
ALL of Perimeter Park Dr
Search Notes:

Search Results Summary

Date	Source	Comment
2024	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2011	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996	POLKS	
1993	POLKS	
1989	POLKS	
1984-85	POLKS	
1980	HILLS	
1975	HILLS	
1970	HILLS	
1967	HILLS	

3300 **DERMAVANT SCIENCES INC**...*LABORATORIES-RESEARCH & DEVELOPMENT*
3300 **MERITAGE HOMES CAROLINAS**...*HOME BUILDERS*
3500 **BAYER**...*PHARMACEUTICAL PREPARATIONS*
3500 **BAYER CROPSCIENCE**...*BUSINESS MANAGEMENT CONSULTANTS*
3800 **ANDERSON-BROWN, TEDRA L MD**...*PHYSICIANS & SURGEONS*
3800 **BROOKE PRIVATE EQUITY ADVISORS**...*PERSONAL CREDIT INSTITUTIONS*
3800 **CLINIPACE WORLDWIDE**...*MEDICAL RESEARCH*
3800 **COOK, COLLEEN M**...*COUNSELORS-LICENSED PROFESSIONAL*
3800 **DSECUREDHOMES**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **FUJIFILM MEDICAL SYSTEMS USA**...*MAGNETIC/OPTICAL RECORDING MEDIA*
3800 **HALL, RANOTA T MD**...*PHYSICIANS & SURGEONS*
3800 **INQUICK BOOK**...*BOOK DEALERS-RETAIL*
3800 **INSIDERFARES**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **INSIDERFARES**...*AIRLINE COMPANIES*
3800 **LIGGETT VECTOR BRANDS INC**...*CIGAR CIGARETTE & TOBACCO-MANUFACTURERS*
3800 **LIVE PC EXPERT**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **LVB**...*TOBACCO BUYERS*
3800 **MAX POINT INTERACTIVE INC**...*BUSINESS & TRADE ORGANIZATIONS*
3800 **PARAGON BIOMEDICAL**...*RESEARCH SERVICE*
3800 **PARAGON BIOMEDICAL INC**...*BUSINESS CONSULTING SERVICES*
3800 **PREMIER RESEARCH**...*LABORATORIES-RESEARCH & DEVELOPMENT*
3800 **REGULUS PHARMACEUTICAL CNSLTNG**...*PHARMACEUTICAL PRODUCTS - WHOLESALE*
3800 **SCHENKEL SHULTZ ARCHITECTURE**...*ARCHITECTS*
3800 **TARGET HEALTH INC**...*HEALTH INFORMATION & REFERRAL PROGRAMS*
3800 **TRIANGLE PRIVATE PENSIONS**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **TVCHANNELOFFERS**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **VALUE OPTIONS**...*HEALTH CARE MANAGEMENT*
3800 **ZOOM E-CIGS LLC**...*ELECTRONIC CIGARETTES*
3900 **ANDRES, EILEEN S PA**...*PHYSICIANS ASSISTANTS*
3900 **ATLANTIC TELECOM**...*TELECOMMUNICATIONS SERVICES*
3900 **C S P OPERATING PARTNERSHIP LP**...*NONCLASSIFIED ESTABLISHMENTS*
3900 **FURIEX PHARMACEUTICALS INC**...*DRUG MANUFACTURING*
3900 **FURLEX PHARMACEUTICALS INC**...*PHARMACEUTICAL CONSULTANTS*
3900 **LSSI DATA**...*INFORMATION TECHNOLOGY SERVICES*
3900 **PHARMACEUTICAL PRODUCT DEVMNT**...*RESEARCH SERVICE*
3900 **PPD INC**...*PHARMACEUTICAL RESEARCH LABORATORIES*
3900 **PPD PHARMACEUTICAL**...*LABORATORIES-RESEARCH & DEVELOPMENT*
3900 **RIGNEY, JORDAN M**...*SCIENCE OF MIND PRACTITIONERS*
3900 **THERMO FISHER SCIENTIFIC**...*RETAIL-EATING PLACES*
4000 **GARMAN HOMES**...*REAL ESTATE AGENTS AND MANAGERS*
4000 **UCB BIOSCIENCES INC**...*EDUCATIONAL RESEARCH*
4200 **ATM**...*AUTOMATED TELLER MACHINES*
4200 **EUGENE KIRTON**...*RESIDENTIAL*
4200 **SPECTRUM**...*CABLE/PAY TELEVISION SERVICE INFORMATION RETRIEVAL*
4200 **TIME WARNER CABLE**...*TELEVISION-CABLE & CATV*
5180 **NOAH'S EVENT VENUE**...*BANQUET ROOMS*
5180 **NOAH'S MORRISVILLE**...*NONCLASSIFIED ESTABLISHMENTS*
5200 **ALLIANCE BEHAVIORAL HEALTH**...*SPECIALTY OUTPATIENT CLINICS NEC*
5200 **ALLIANCE HEALTH**...*HEALTH SERVICES*
5200 **HELM, CHRISTIE L**...*COUNSELORS*
5200 **ORACLE**...*NONCLASSIFIED ESTABLISHMENTS*
5200 **ORACLE**...*DATA PROCESSING EQUIPMENT (WHOLESALE*
5200 **SEAN OWNBEY**...*RESIDENTIAL*
5200 **TALARI NETWORKS INC**...*INTERNET SVCS-NETWORK DESIGNERS/CONSLNT*
5200 **TEKELEC**...*INTERNET SVCS-NETWORK DESIGNERS/CONSLNT*
5201 **DUKE REALTY CORP**...*REAL ESTATE*
5201 **LENOVO**...*COMPUTER SOFTWARE*
5201 **SHERWOOD FISHER**...*RESIDENTIAL*
5221 **AGENCYCOM LTD**...*INSURANCE AGENTS, BROKERS, AND SERVICE, NEC*
5221 **CREDIT SUISSE**...*FINANCIAL ADVISORY SERVICES*
5221 **CREDIT SUISSE**...*NONCLASSIFIED ESTABLISHMENTS*

197 total records. Part 1 of 4

100 **BROADCOM CORP**...*SEMICONDUCTORS & DEVICES*
100 **GANYMEDE SOFTWARE INC**...*BUSINESS ORIENTED COMPUTER SOFTWARE*
100 **GENAISSANCE PHARMACEUTICALS**...*PHARMACEUTICAL PRODUCTS - WHOLESALE*
100 **IKONISYS INC**...*NONCLASSIFIED ESTABLISHMENTS*
100 **ILS GENOMICS**...*LABORATORIES-RESEARCH & DEVELOPMENT*
100 **JF PETROLEUM GROUP TRAINING CENTER**...*EMPLOYMENT AGENCIES*
100 **LVL& SYSTEMS INC**...*PREPACKAGED SOFTWARE*
200 **ARROW ELECTRONICS INC**...*WHOLESALE ELECTRONIC EQUIPMENT & SUPPLIES*
200 **FIRST INDUSTRIAL REALTY TRUST**...*REAL ESTATE INVESTMENT TRUSTS*
200 **NORESCO LLC**...*ENGINEERING SERVICES*
200 **TRIANGLE VISIONS OPTOMETRY**...*OPTOMETRISTS OD*
200 **TRIANGLE VISIONS OPTOMETRY**...*OPTICIANS*
200 **UDO, MFON NSE MD**...*PHYSICIANS & SURGEONS*
200 **UNIFIED WOMEN'S HEALTHCARE LLC**...*PHYSICIANS & SURGEONS*
300 **ASCOM AG**...*COMMUNICATIONS*
300 **ASCOM WIRELESS SOLUTIONS INC**...*CELLULAR TELEPHONES (SERVICES)*
300 **CAROLINA CONFERENCE CTR & STD**...*CONVENTION & MEETING FACILITIES & SVC*
300 **CHARLES & COLVARD DIRECT LLC**...*JEWELRY MANUFACTURER*
300 **DIVERSIFIED OPERATIONS**...*AEROSPACE INDUSTRIES*
300 **MOISSANITE.COM LLC**...*E-COMMERCE*
300 **SENSIBLE DATA SOLUTIONS**...*NONCLASSIFIED ESTABLISHMENTS*
300 **TECHNICAL INNOVATION**...*NONCLASSIFIED ESTABLISHMENTS*
400 **DIVERSIFIED INFORMATION TECH**...*INFORMATION MANAGEMENT*
400 **EDM AMERICAS**...*INFORMATION MANAGEMENT*
500 **LAB CORP**...*LABORATORIES-TESTING*
500 **LABORATORY CORPORATION**...*BUSINESS SERVICES NEC*
500 **LIPO SCIENCE INC**...*LABORATORIES-MEDICAL*
800 **CATAPULT COMMUNICATIONS**...*COMMUNICATION SERVICES, NEC*
800 **IXIA**...*COMPUTER SOFTWARE*
800 **KEYSIGHT TECHNOLOGIES**...*MFG ELECTRICAL MEASURING INSTRUMENTS*
800 **NHANCED SEMICONDUCTORS INC**...*SEMICONDUCTORS & RELATED DEVICES*
800 **NOVATI TECHNOLOGIES INC**...*NONCLASSIFIED ESTABLISHMENTS*
800 **ZIPTRONIX INC**...*SEMICONDUCTORS & RELATED DEVICES*
900 **ATLANTIC TELECOM LLC**...*TELECOMMUNICATIONS SERVICES*
900 **CASTLE WORLDWIDE INC**...*TESTING - ACADEMIC*
900 **ELMARCO INC**...*NONCLASSIFIED ESTABLISHMENTS*
900 **JEFFREY LARICHE**...*RESIDENTIAL*
900 **MEDFUSION INC**...*NONCLASSIFIED ESTABLISHMENTS*
900 **PYE-BARKER FIRE & SAFETY**...*BURGLAR ALARMS (WHOLESALE*
900 **SILER, SEAN M DO**...*PHYSICIANS & SURGEONS*
900 **SWEENEY, RANDALL J**...*SCIENCE OF MIND PRACTITIONERS*
900 **TBI MORTGAGE CO**...*REAL ESTATE LOANS*
900 **THUNDERBIRD TECHNOLOGIES INC**...*SEMICONDUCTOR DEVICE MANUFACTURERS*
900 **TOLL BROTHERS**...*HOME BUILDERS*
900 **TOLL BROTHERS INC DESIGN STD**...*GENERAL CONTRACTORS*
1000 **ANUTRA INNOVATIONS LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1000 **BECKMAN COULTER**...*SURGICAL & MEDICAL INSTRUMENTS & APPARATUS*
1000 **COMMON GROUNDS**...*COFFEE SHOPS*
1000 **NEONOVA NETWORK SERVICES**...*TELEPHONE & TELEGRAPH APPARATUS*
1000 **NET100 LIMITED**...*NONCLASSIFIED ESTABLISHMENTS*
1000 **PRESIDIO NETWORKED SOLUTIONS**...*DATA COMMUNICATIONS SYSTEMS-NETWORKS*
1000 **WEATHERLY, JAIME**...*SOCIAL WORKERS*
1000 **WESTAT MORRIS**...*STATISTICAL SERVICE*
1100 **ACTERNA**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **ACTERNA LLC**...*MFG INTERCOMMUNICATION SYSTEMS*
1100 **ADONAI HOME-FAMILY OUTREACH CR**...*STAIR TREADS*
1100 **APEX UNITED METHODIST CHURCH**...*CHURCHES*
1100 **APRIA HEALTHCARE**...*HOME HEALTH & HEALTH CARE EQUIPMENT*
1100 **ASHBOURNE NORTH OWNERS ASSN**...*ASSOCIATIONS*
1100 **BIOMEDOMICS**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **BUEHLER MOTOR INC**...*ELECTRIC SUPPLIES*
1100 **CENTERLINE # 2121**...*EMPLOYMENT CONTRACTORS-TEMPORARY HELP*
1100 **CORAM HEALTHCARE**...*HOME HEALTH SERVICE*

Part 2 of 4

1100 **CORAM SPECIALTY INFUSION SVC**...*HOME HEALTH SERVICE*
1100 **DESIGN CENTER BY CALATLANTIC**...*HOME BUILDERS*
1100 **PEOPLEREADY**...*PERSONNEL CONSULTANTS*
1100 **PERIMETER STUDIO CONFERENCE**...*CONFERENCE CENTERS*
1100 **PLUGLESS POWER**...*ELECTRIC AUTO EQUIPMENT*
1100 **SALEM POINTE OWNERS ASSN INC**...*HOME OWNERS ASSOCIATIONS*
1100 **SPECTRUM**...*COMMUNICATIONS*
1100 **STANDARD PACIFIC HOMES**...*HOME BUILDERS*
1100 **T W C OFFICE MATTHEW BROWN**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **TRUEBLUE**...*EMPLOYMENT CONTRACTORS-TEMPORARY HELP*
1100 **YELLOW BRICK SOLUTIONS**...*NONCLASSIFIED ESTABLISHMENTS*
1400 **FERGUSON, MICHAEL**...*SCIENCE OF MIND PRACTITIONERS*
1400 **HUMAN RESOURCES**...*HUMAN RESOURCE CONSULTANTS*
1400 **PHARMACEUTICAL PRODUCT DEVELOPMENT**...*LABORATORIES-RESEARCH & DEVELOPMENT*
1400 **PPD DEVELOPMENT**...*PHARMACEUTICAL CONSULTANTS*
1400 **PPD DEVELOPMENT CLINIC**...*LABORATORIES-RESEARCH & DEVELOPMENT*
1400 **PPD INC**...*PHARMACEUTICAL RESEARCH LABORATORIES*
1500 **D-WISE**...*COMPUTER RELATED SERVICES NEC*
1500 **IXL LEARNING**...*SERVICES-OFFICES & CLINICS OF DOCTORS OF MEDICINE*
1500 **KIMBERLY RILEY**...*RESIDENTIAL*
1500 **NOVARETE**...*PREPACKAGED SOFTWARE*
1500 **REVERBNATION**...*NONCLASSIFIED ESTABLISHMENTS*
1500 **TELE TRACKING TECHNOLOGIES INC**...*MEDICAL ALARMS (WHOLESALE*
1500 **TKXS LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1500 **XS INC**...*NONCLASSIFIED ESTABLISHMENTS*
1500 **ZC STERLING**...*INSURANCE AGENTS, BROKERS, AND SERVICE*
1500 **ZC STERLING CORPORATION**...*INSURANCE AGENTS, BROKERS, AND SERVICE*
1600 **AECOM-SOUTHLAND JV**...*NONCLASSIFIED ESTABLISHMENTS*
1600 **BEAL, MARGARET R**...*PHYSICIANS ASSISTANTS*
1600 **BEAL, MARGARET R PA**...*PHYSICIANS ASSISTANTS*
1600 **DE VRY UNIVERSITY**...*SCHOOLS-UNIVERSITIES & COLLEGES ACADEMIC*
1600 **DEVRY EDUCATION GROUP**...*EDUCATIONAL SERVICE-BUSINESS*
1600 **EASTERN RESEARCH GROUP INC**...*RESEARCH SERVICE*
1600 **GIBSON, VIRGINIA**...*DIETITIANS*
1600 **RADIAN CORP**...*NONCLASSIFIED ESTABLISHMENTS*
1600 **U N C P N BILLING SVC LLC**...*BILLING SERVICE*
1600 **URS CORP**...*ENGINEERS-CONSULTING*
1700 **FREDERICK, LAURETTA S MD**...*PHYSICIANS & SURGEONS*
1700 **IQVIA BIOTECH**...*SERVICES-OFFICES & CLINICS OF DOCTORS OF MEDICINE*
1800 **AMERICAN TELEPHONE TELEGRAPH**...*TELEPHONE COMPANIES*
1800 **CROSS, NANCY V MD**...*PHYSICIANS & SURGEONS*
1800 **DIGNIFY THERAPEUTICS INC**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **DUKE REALTY CORPORATION**...*REAL ESTATE AGENTS AND MANAGERS*
1800 **FAST LANE US**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **FASTLANE CONSULTING & EDU SVC**...*COMMUNICATIONS CONSULTANTS*
1800 **KB HOME**...*OPERATIVE BUILDERS*
1800 **S T V INC**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **TRIANGLE COMMUNITY COALITION**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **WEEKS REALTY**...*REAL ESTATE*
2000 **ARNBURG, JASON D PA**...*PHYSICIANS ASSISTANTS*
2000 **BARKER, KIMBERLY L OD**...*OPTOMETRISTS OD*
2000 **BRADBURY, ANDERSON NP**...*NURSES-PRACTITIONERS*
2000 **BRADY, REBECCA**...*SCIENCE OF MIND PRACTITIONERS*
2000 **CARNEY, KELLY A MD**...*PHYSICIANS & SURGEONS*
2000 **DAHM, CHRISTOPHER PT**...*PHYSICAL THERAPISTS*
2000 **DEX ONE CORP**...*SERVICES-ADVERTISING*
2000 **DOWNTAIN, SARAH E**...*SOCIAL WORKERS*
2000 **FLETCHER, HANNAH R**...*SOCIAL WORKERS*
2000 **GALTER, TERI**...*DIETITIANS*
2000 **GIANFORCARO, ROBERT L DO**...*PHYSICIANS & SURGEONS*
2000 **HINCKLEY, MARIA J**...*SOCIAL WORKERS*
2000 **KEPPLER, REBECCA**...*SOCIAL WORKERS*
2000 **NORTH CAROLINA WESLEYAN CLG**...*EDUCATIONAL PROGRAMS*
2000 **UNC HEALTH RALEIGH ORTHO CLNC**...*PHYSICIANS & SURGEONS*
2000 **UNC PHYSICIANS NETWORK**...*GENERAL AND FAMILY PRACTICE, PHYSICIAN/SURGEON*

2024 PERIMETER PARK DR
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 3 of 4

2000 **WHITE, LINDA**...*NURSES-PRACTITIONERS*
2250 **BE ACTIVE NORTH CAROLINA**...*NON-PROFIT ORGANIZATIONS*
2250 **CENTER INFORMATION SERV**...*SOCIAL SERVICES NEC*
2250 **DIALOG LLC**...*INFORMATION EQUIP & SYSTEMS*
2250 **PFIZER**...*NONCLASSIFIED ESTABLISHMENTS*
2250 **PLEXUS INSIGHTS**...*NONCLASSIFIED ESTABLISHMENTS*
2250 **POLICY REPORTER**...*PHARMACEUTICAL INFORMATION*
2250 **Q B E HOLDINGS**...*HOLDING COMPANIES - NON-BANK*
2250 **QBE FIRST**...*INSURANCE-HOMEOWNERS*
2250 **QBE FIRST**...*INSURANCE*
2250 **SFN GROUP**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
2250 **SPHERLON**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
2250 **STERLING NATIONAL CORPO**...*INSURANCE-INSPECTION & AUDITS*
2250 **TECHNEKES**...*MARKET RESEARCH & ANALYSIS*
2250 **TRIALCARD**...*MARKETING PROGRAMS & SERVICES*
2250 **TRIALCARD**...*PHARMACEUTICAL PRODUCTS - WHOLESALE*
2250 **TRIALCARD INC**...*PHARMACEUTICAL PRODUCTS - WHOLESALE*
2250 **VARONIS SYSTEMS**...*DATA PROCESSING SOFTWARE*
2250 **ZC STERLING INSURANCE A**...*INSURANCE AGENTS, BROKERS, AND SERVICE*
2250 **ZC STERLING INSURANCE AGENCY INC**...*INSURANCE AGENTS, BROKERS, AND SERVICE*
2400 **CABRINI COLLEGE**...*STATE GOVERNMENT-LIBRARIES*
2400 **FUJIFILM HOLDINGS AMERICA CORP**...*MAGNETIC/OPTICAL RECORDING MEDIA*
2400 **NETSERTIVE**...*MARKETING PROGRAMS & SERVICES*
2400 **UNITED WAY**...*SOCIAL SERVICES NEC*
2400 **WEEKS CONSTRUCTION**...*CONSTRUCTION COMPANIES*
2400 **YOUTH THRIVE**...*YOUTH ORGANIZATIONS & CENTERS*
2450 **I CONTACT CORP**...*FILTERING-INTERNET & EMAIL*
2450 **KBR INC**...*HEAVY CONSTRUCTION PROJECTS*
2450 **MEDLINE INDUSTRIES**...*MANUFACTURERS*
2450 **MORRISVILLE PARK TAVERN**...*BARS*
2450 **NETSERTIVE**...*ADVERTISING NEC*
2450 **SPECTRUM**...*TELEVISION-CABLE & CATV*
2600 **APRIA HEALTHCARE**...*PHYSICIAN & SURGEON EQUIPMENT*
2600 **SCHNEIDER ELECTRIC**...*ELECTRIC CONTRACTORS*
2600 **SCHNEIDER ELECTRIC**...*CONTROL SYSTEMS/REGULATORS*
2700 **ACTION PRODUCTS**...*GENERAL MERCHANDISE*
2700 **ADT**...*SECURITY SYSTEMS SV*
2700 **ADT SECURITY SVC**...*SECURITY SYSTEMS*
2700 **CAPITAL PACKAGING**...*PACKAGING SERVICE*
2700 **CIRCLE SUPPLY OF RALEIGH**...*WHOLESALE TERRAZZO*
2700 **CIRCLE SUPPLY OF RALEIGH**...*GENERAL MERCHANDISE*
2700 **DB SCHENKER**...*FREIGHT-CONSOLIDATING*
2700 **DB SCHENKER USA**...*AIR CARGO SERVICE*
2700 **DUKE WEEKS REALTY**...*REAL ESTATE*
2700 **HOUSE OF FLOORS RALEIGH DURHAM**...*FLOOR RESURFACING*
2700 **NITEL MORRISVILLE**...*NONCLASSIFIED ESTABLISHMENTS*
2700 **RED BULL DISTRIBUTION**...*DISTRIBUTION SERVICES*
2700 **RED BULL NORTH AMERICA**...*BEVERAGES - WHOLESALE*
2700 **SNYDER'S-LANCE INC**...*POTATO CHIPS - WHOLESALE*
2800 **ACCELERATED INC**...*NONCLASSIFIED ESTABLISHMENTS*
2800 **ANIXTER**...*POWER PLANT EQUIPMENT (WHOLESALE*
2800 **ANIXTER INC**...*ELECTRIC WIRE & CABLE (WHOLESALE*
2800 **APEX LOGISTICS INC**...*FREIGHT-FORWARDING*
2800 **BODY RX**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
2800 **EXTREME EXPRESS**...*TRANSPORTATION SERVICES*
2800 **GUARDIAN FULFILLMENT SOLUTIONS**...*FREIGHT-FORWARDING*
2800 **MID INC**...*DISTRIBUTING SERVICE-CIRCULAR & SAMPLE*
2800 **O'ROURKE BROTHERS DISTRIBUTING**...*SATELLITE EQUIPMENT & SYSTEMS-RETAIL*
2800 **UNDERWRITERS LABORATORIES**...*NONCLASSIFIED ESTABLISHMENTS*
2800 **WHOLE FOODS GLUTEN FREE BAKE**...*BAKERS*
2900 **DAYCON PRODUCTS**...*GENERAL MERCHANDISE*
2900 **FOAM RECYCLE CTR**...*RECYCLING CENTERS - WHOLESALE*
2900 **MENASHA PACKAGING**...*PACKAGING SERVICE*
2900 **PLASTIC PIPING SYSTEMS**...*PLASTICS-PRODUCTS-RETAIL*
2900 **RYDER INTEGRATED LOGISTICS INC**...*LOGISTICS*
2900 **TRIANGLE TABLE TENNIS LLC**...*TABLE TENNIS FACILITIES*
3000 **PREMIRR PLASTICS LLC**...*PLASTICS-PRODUCTS-RETAIL*

2024 PERIMETER PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

Part 4 of 4

3000 **PRICE MODERN OF RALEIGH**...*NONCLASSIFIED ESTABLISHMENTS*

3000 **PRICE MODERN OF RALEIGH**...*WHOLESALE OFFICE FURNITURE AND EQUIPMENT*

2020 PARAMOUNT PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

3500 **BAYER CROPSCIENCE**...*BUSINESS MANAGEMENT CONSULTANTS*

3800 **BEACON HEALTH OPTIONS**...*MENTAL HEALTH SERVICES*

3800 **BROOKE PRIVATE EQUITY ADVISORS**...*LOANS*

3800 **CLINIPACE WORLDWIDE**...*MEDICAL INFORMATION SERVICES*

3800 **CLINIPACE WORLDWIDE**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*

3800 **FUJIFILM MEDICAL SYSTEMS USA**...*MAGNETIC/OPTICAL RECORDING MEDIA (MFRS)*

3800 **IN TECHNOLOGIES**...*TELEVISION-CABLE & CATV*

3800 **INQUICK BOOK**...*BOOK DEALERS-RETAIL*

3800 **INSIDERFARES**...*NONCLASSIFIED ESTABLISHMENTS*

3800 **LIGGETT VECTOR BRANDS INC**...*CIGAR CIGARETTE & TOBACCO DEALERSWHLS*

3800 **LIGGETT VECTOR BRANDS INC**...*CIGAR CIGARETTE & TOBACCO-MANUFACTURERS*

3800 **LIVE PC EXPERT**...*NONCLASSIFIED ESTABLISHMENTS*

3800 **MAX POINT INTERACTIVE INC**...*BUSINESS & TRADE ORGANIZATIONS*

3800 **MAXPOINT INTERACTIVE INC**...*NONCLASSIFIED ESTABLISHMENTS*

3800 **RJ20 INC**...*INVESTMENT ADVICE*

3800 **SEINTERACTIVE**...*NONCLASSIFIED ESTABLISHMENTS*

3800 **TRIANGLE PRIVATE PENSIONS**...*NONCLASSIFIED ESTABLISHMENTS*

3800 **VALUE OPTIONS**...*HEALTH CARE MANAGEMENT*

3800 **VALUE OPTIONS**...*HOSPITAL CONSULTANTS*

3800 **WORLDWIDE CLINICAL TRIALS**...*PHARMACEUTICAL RESEARCH LABORATORIES*

3800 **WORLDWIDE CLINICAL TRIALS**...*LABORATORIESRESEARCH & DEVELOPMENT*

3900 **ATLANTIC TELECOM**...*ALL OTHER TELECOMMUNICATIONS*

3900 **LSSI DATA**...*INFORMATION TECHNOLOGY SERVICES*

3900 **PPD INC**...*PHARMACEUTICAL RESEARCH LABORATORIES*

3900 **RIGNEY, JORDAN M**...*PHARMACISTS*

3900 **STELLPFLUG, KAREN ROSE MD**...*PHYSICIANS & SURGEONS*

4200 **TIME WARNER CABLE**...*SATELLITE EQUIPMENT & SYSTEMSRETAIL*

4200 **TIME WARNER CABLE**...*TELEVISION-CABLE & CATV*

5180 **NOAH'S EVENT VENUE**...*BANQUET ROOMS*

5180 **NOAH'S EVENT VENUE**...*WEDDING & RECEPTION SITES*

5180 **TRI CITY LIFEHOUSE CHURCH**...*CHURCHES*

5200 **ALLIANCE HEALTH**...*HEALTH SERVICES*

5200 **HELM, CHRISTIE L**...*COUNSELORS*

5200 **ORACLE**...*DATA PROCESSING SOFTWARE*

5200 **ORACLE**...*COMPUTER & PERIPHERAL EQUIP/SOFTWARE MRCHNT WHLSRS*

5201 **IBM LENOVO CORP**...*COMPUTERS-ELECTRONIC-MANUFACTURERS*

5221 **CREDIT SUISSE**...*FINANCIAL ADVISORY SERVICES*

5241 **LENOVO INC**...*NONCLASSIFIED ESTABLISHMENTS*

197 total records. Part 1 of 4

100 **BROADCOM CORP**...SEMICONDUCTORS & RELATED DEVICES MANUFACTURING
100 **BROADCOM CORP**...MINING EQUIPMENT (WHLS)
100 **I L S GENOMICS**...LABORATORIES-RESEARCH & DEVELOPMENT
100 **I L S GENOMICS**...NONCLASSIFIED ESTABLISHMENTS
100 **IKONISYS INC**...NONCLASSIFIED ESTABLISHMENTS
300 **ASCOM AG**...NONCLASSIFIED ESTABLISHMENTS
300 **ASCOM WIRELESS SOLUTIONS INC**...CELLULAR TELEPHONES (SERVICES)
300 **CARRIER CORP**...NONCLASSIFIED ESTABLISHMENTS
300 **CHARLES COVARD LTD**...NONCLASSIFIED ESTABLISHMENTS
300 **CHARLES & COLVARD DIRECT LLC**...JEWELRY-MANUFACTURERS
300 **CHARLES & COLVARD LTD**...CRYSTALS-INDUSTRIAL (MFRS)
300 **CHARLES & COLVARD LTD**...IMPORTERS (WHLS)
300 **MOISSANITE.COM LLC**...E-COMMERCE
300 **SENSIBLE DATA SOLUTIONS**...NONCLASSIFIED ESTABLISHMENTS
400 **DIVERSIFIED INFORMATION TECH**...SPECIAL WAREHOUSING & STORAGE NEC
400 **DIVERSIFIED INFORMATION TECH**...SCANNING SERVICE
400 **DIVERSIFIED INFORMATION TECH**...CONSTRUCTION COMPANIES
400 **DIVERSIFIED INFORMATION TECH**...INFORMATION MANAGEMENT
400 **DIVERSIFIED INFORMATION TECH**...FEDERAL GOVERNMENT CONTRACTORS
400 **EDM AMERICAS**...SCANNING SERVICE
400 **EDM AMERICAS**...INFORMATION MANAGEMENT
500 **ISSUER DIRECT CORP**...PRINTERS (MFRS)
500 **ISSUER DIRECT CORP**...INFORMATION MANAGEMENT
500 **ISSUER DIRECT CORP**...COMMERCIAL PRINTING NEC (MFRS)
500 **ISSUER DIRECT CORP**...SCANNING SERVICE
500 **LAB CORP**...CONCRETEREADY MIXED
500 **LAB CORP**...PHYSICIANS & SURGEONS
500 **LAB CORP**...LABORATORIES-TESTING
800 **IXIA**...INTERNET SERVICE
800 **IXIA**...COMPUTER SERVICES
800 **IXIA**...COMPUTER SOFTWARE
800 **NOVATI TECHNOLOGIES INC**...NONCLASSIFIED ESTABLISHMENTS
900 **ATLANTIC TELECOM LLC**...TELECOMMUNICATIONS SERVICES
900 **CASTLE WORLDWIDE INC**...EDUCATIONAL ASSESSEMENT
900 **CASTLE WORLDWIDE INC**...CONSTRUCTION COMPANIES
900 **CASTLE WORLDWIDE INC**...FEDERAL GOVERNMENT CONTRACTORS
900 **ELMARCO INC**...NONCLASSIFIED ESTABLISHMENTS
900 **MEDFUSION INC**...NONCLASSIFIED ESTABLISHMENTS
900 **SWEENEY, RANDALL J**...PHARMACISTS
900 **TBI MORTGAGE CO**...LOANS
900 **TBI MORTGAGE CO**...REAL ESTATE LOANS
900 **THUNDERBIRD TECHNOLOGIES INC**...SEMICONDUCTORMFRS' EQUIP/SUPLS (WHLS)
900 **THUNDERBIRD TECHNOLOGIES INC**...SEMICONDUCTOR DEVICES (MFRS)
900 **TOLL BROTHERS**...GENERAL CONTRACTORS
1000 **ANUTRA MEDICAL INC**...HEALTH SERVICES
1000 **PRESIDIO NETWORKED SOLUTIONS**...DATA COMMUNICATIONS SYSTEMS-NETWORKS
1000 **PRESIDIO NETWORKED SOLUTIONS**...CHEMICALS (WHLS)
1000 **WEATHERLY, JAIME**...SOCIAL WORKERS
1100 **AIRDAT LLC**...FEDERAL GOVERNMENT CONTRACTORS
1100 **AIRDAT LLC**...WEATHER INSTRUMENTS (WHLS)
1100 **AIRDAT LLC**...CONSTRUCTION COMPANIES
1100 **APEX UNITED METHODIST CHURCH**...CHURCHES
1100 **APRIA HEALTHCARE**...HOME HEALTH & HEALTH CARE EQUIPMENT
1100 **BIOMEDOMICS**...NONCLASSIFIED ESTABLISHMENTS
1100 **CATERING ON DEMAND**...CATERERS
1100 **CENTERLINE # 2121**...EMPLOYMENT CONTRACTORS-TEMPORARY HELP
1100 **CORAM HEALTHCARE**...HOME HEALTH SERVICE
1100 **DESIGN CENTER BY CALATLANTIC**...HOME BUILDERS
1100 **M IS GOOD**...ADVERTISING-AGENCIES & COUNSELORS
1100 **PEOPLE READY**...EMPLOYMENT CONTRACTORS-TEMPORARY HELP
1100 **PEOPLEREADY**...PERSONNEL CONSULTANTS
1100 **PLUGLESS POWER**...AUTOMOBILE ELECTRIC EQUIPMENT
1100 **SPECTRUM**...COMMUNICATIONS
1100 **STANDARD PACIFIC HOMES**...HOME BUILDERS
1100 **TALARI NETWORKS INC**...INTERNET SVCS-NETWORK DESIGNERS/CONSLNT

2020 PERIMETER PARK DR
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 4

1100 **TIME WARNER CABLE**...TELEVISION-CABLE & CATV
1400 **HUMAN RESOURCES**...HUMAN RESOURCE CONSULTANTS
1400 **PPD DEVELOPMENT**...PHARMACEUTICAL CONSULTANTS
1500 **D-WISE**...COMPUTER RELATED SERVICES NEC
1500 **DATA DIRECT TECHNOLOGIES**...COMPUTER SERVICES
1500 **KIMBERLY RILEY**...RESIDENTIAL
1500 **TELE TRACKING TECHNOLOGIES INC**...RADAR-MANUFACTURERS & SERVICE
1500 **TELE TRACKING TECHNOLOGIES INC**...MEDICAL ALARMS (WHLS)
1500 **TKXS LLC**...NONCLASSIFIED ESTABLISHMENTS
1500 **XS INC**...NONCLASSIFIED ESTABLISHMENTS
1500 **XS INC**...AGRICULTURAL CONSULTANTS
1600 **AECOM**...ENGINEERS
1600 **BEAL, MARGARET R PA**...PHYSICIANS & SURGEONS
1600 **BEAL, MARGARET R PA**...PHYSICIANS ASSISTANTS
1600 **DE VRY UNIVERSITY**...SCHOOLS-UNIVERSITIES & COLLEGES ACADEMIC
1600 **DE VRY UNIVERSITY**...ENVIRONMENTAL PRODUCTS & SUPLS (WHLS)
1600 **DEVRY EDUCATION GROUP**...EDUCATIONAL SERVICE-BUSINESS
1600 **EASTERN RESEARCH GROUP INC**...FEDERAL GOVERNMENT CONTRACTORS
1600 **EASTERN RESEARCH GROUP INC**...ENVIRONMENTAL ANALYSIS SERVICES
1600 **EASTERN RESEARCH GROUP INC**...RESEARCH SERVICE
1600 **JOYNER, HEATHER L**...SOCIAL WORKERS
1600 **RADIAN CORP**...NONCLASSIFIED ESTABLISHMENTS
1600 **URS CORP**...ENGINEERS-CONSULTING
1600 **URS CORP**...MACHINE SHOPS (MFRS)
1600 **URS CORP**...FEDERAL GOVERNMENT CONTRACTORS
1600 **URS CORP**...CONSTRUCTION COMPANIES
1700 **NOVELLA CLINICAL INC**...MEDICAL INFORMATION SERVICES
1700 **NOVELLA CLINICAL INC**...MEDICAL RESEARCH
1800 **AMERICAN TELEPHONE TELEGRAPH**...TELEPHONE COMPANIES
1800 **CROSS, NANCY V MD**...MEDICAL & SURGICAL SVC ORGANIZATIONS
1800 **CROSS, NANCY V MD**...PHYSICIANS & SURGEONS
1800 **DIGNIFY THERAPEUTICS INC**...NONCLASSIFIED ESTABLISHMENTS
1800 **EMPIRIC SYSTEMS LLC**...NONCLASSIFIED ESTABLISHMENTS
1800 **FAST LANE US**...UNCLASSIFIED ESTABLISHMENTS
1800 **S T V INC**...NONCLASSIFIED ESTABLISHMENTS
1800 **STV INC**...ARCHITECTURAL ILLUSTRATORS
1800 **TRIANGLE COMMUNITY COALITION**...NONCLASSIFIED ESTABLISHMENTS
1800 **WEEKS REALTY**...REAL ESTATE
2000 **BRADY, REBECCA**...PHARMACISTS
2000 **CARNEY, KELLY A MD**...PHYSICIANS & SURGEONS
2000 **DISILVESTRO, MELISSA**...SOCIAL WORKERS
2000 **DOWNTAIN, SARAH E**...SOCIAL WORKERS
2000 **FLETCHER, HANNAH R**...SOCIAL WORKERS
2000 **FURMAN, JENNIFER**...DIETITIANS
2000 **GALTER, TERI**...DIETITIANS
2000 **GIANFORCARO, ROBERT L DO**...MEDICAL & SURGICAL SVC ORGANIZATIONS
2000 **GIANFORCARO, ROBERT L DO**...PHYSICIANS & SURGEONS
2000 **HINCKLEY, MARIA J**...SOCIAL WORKERS
2000 **KEPPLER, REBECCA**...SOCIAL WORKERS
2000 **NORTH CAROLINA WESLEYAN CLG**...EDUCATIONAL PROGRAMS
2250 **DIALOG LLC**...INFORMATION EQUIP & SYSTEMS
2250 **PFIZER**...NONCLASSIFIED ESTABLISHMENTS
2250 **POLICY REPORTER**...PHARMACEUTICAL INFORMATION
2250 **Q B E HOLDINGS**...OFFICES OF OTHER HOLDING COMPANIES
2250 **QBE FIRST**...FEDERAL GOVERNMENT CONTRACTORS
2250 **QBE FIRST**...ECOMMERCE
2250 **QBE FIRST**...INSURANCE-HOMEOWNERS
2250 **QBE FIRST**...BUSINESS MANAGEMENT CONSULTANTS
2250 **SFN GROUP**...EMPLOYMENT AGENCIES & OPPORTUNITIES
2250 **TECHNEKES**...MARKET RESEARCH & ANALYSIS
2250 **TECHNEKES**...MARKETING CONSULTANTS
2250 **TRAILCO**...TRAILERS-REPAIRING & SERVICE
2250 **TRIALCARD**...PHARMACEUTICAL PRODUCTS-WHOLESALE
2250 **VARONIS SYSTEMS**...DATA PROCESSING SOFTWARE
2400 **NETSERTIVE**...MARKETING CONSULTING SERVICES
2400 **UNITED WAY-THE GREATER TRNGL**...SOCIAL SERVICE & WELFARE ORGANIZATIONS

Part 3 of 4

2400 **UNITED WAY-THE GREATER TRNGL**...*FEDERAL GOVERNMENT CONTRACTORS*
2400 **WEEKS CONSTRUCTION**...*CONSTRUCTION COMPANIES*
2450 **BE K ENGINEERING CO**...*ENGINEERING*
2450 **I CONTACT CORP**...*FILTERING-INTERNET & EMAIL*
2450 **I CONTACT CORP**...*COMPUTER SOFTWARE*
2450 **KBR INC**...*CONSTRUCTION-HEAVY PROJECTS*
2450 **KBR INC**...*GENERAL CONTRACTORS*
2450 **TIME WARNER CABLE**...*TELEVISION-CABLE & CATV*
2600 **APRIA HEALTHCARE**...*HOSPITAL EQUIPMENT & SUPPLIESMFRS*
2600 **APRIA HEALTHCARE**...*HOSPITAL EQUIPMENT & SUPPLIES (WHLS)*
2600 **NEW HORIZONS COMPUTER LEARNING**...*COMPUTER TRAINING*
2600 **SCHNEIDER ELECTRIC**...*ELECTRIC CONTRACTORS*
2600 **SCHNEIDER ELECTRIC**...*MAINTENANCE CONTRACTORS*
2600 **SCHNEIDER ELECTRIC**...*CONTROLS CONTROL SYSTEMS/REGULATORS-MFRS*
2600 **TAC AMERICAS**...*CONTROLS CONTROL SYSTS/REGULATORS (WHLS)*
2600 **TAC AMERICAS**...*HOME AUTOMATION SYSTEMS*
2700 **ADT SECURITY SVC**...*BURGLAR ALARM SYSTEMS (WHLS)*
2700 **ADT SECURITY SVC**...*SECURITY SYSTEMS*
2700 **CANDLESCIENCE**...*CANDLES-MFRS EQUIPMENT & SUPLS (WHLS)*
2700 **CIRCLE SUPPLY OF RALEIGH**...*GENERAL MERCHANDISE-RETAIL*
2700 **NITEL MORRISVILLE**...*CELLULAR TELEPHONES (SERVICES)*
2700 **NITEL MORRISVILLE**...*NONCLASSIFIED ESTABLISHMENTS*
2700 **RED BULL DISTRIBUTION**...*DISTRIBUTION SERVICES*
2700 **SCOTTS LAWN SVC**...*HOME IMPROVEMENTS*
2700 **SCOTTS LAWN SVC**...*GARDEN CENTERS*
2700 **SCOTTS LAWN SVC**...*TREE SERVICE*
2700 **SCOTTS LAWN SVC**...*LAWN & GROUNDS MAINTENANCE*
2700 **SNYDER'S-LANCE INC**...*POTATO CHIPS (WHLS)*
2700 **SNYDER'S-LANCE INC**...*SNACK PRODUCTS*
2800 **ACCELERATED INC**...*AIR CARGO SERVICE*
2800 **ACCELERATED INC**...*TRANSPORTATION*
2800 **ACCELERATED INC**...*NONCLASSIFIED ESTABLISHMENTS*
2800 **ANIXTER INC**...*DISTRIBUTION SERVICES*
2800 **ANIXTER INC**...*WIRE & CABLE-ELECTRIC (WHLS)*
2800 **ANIXTER INC**...*ELECTRIC COMPANIES*
2800 **APEX LOGISTICS INC**...*FREIGHT-FORWARDING*
2800 **COMMERCIAL WORKS INC**...*CONSTRUCTION COMPANIES*
2800 **COMMERCIAL WORKS INC**...*FEDERAL GOVERNMENT CONTRACTORS*
2800 **GUARDIAN FULFILLMENT SOLUTIONS**...*FREIGHT-FORWARDING*
2800 **O'ROURKE BROTHERS DISTRIBUTING**...*SATELLITE EQUIPMENT & SYSTEMS-RETAIL*
2800 **O'ROURKE BROTHERS DISTRIBUTING**...*SATELLITE EQUIPMENT & SYSTEMS-WHOLESALE*
2800 **O'ROURKE BROTHERS DISTRIBUTING**...*TELEVISION-CABLE & CATV*
2800 **SOLARHOT LIMITED**...*SATELLITE PHONES*
2800 **SOLARHOT LIMITED**...*SOLAR ENERGY EQUIPMENT-MANUFACTURERS*
2800 **UNDERWRITERS LABORATORIES**...*UNCLASSIFIED ESTABLISHMENTS*
2800 **UNDERWRITERS LABORATORIES INC**...*LABORATORIES-TESTING*
2800 **WHOLE FOODS GLUTEN FREE BAKE**...*WEDDING BAKERIES*
2800 **WHOLE FOODS GLUTEN FREE BAKE**...*BAKERS-RETAIL*
2900 **DAYCON PRODUCTS**...*GENERAL MERCHANDISE-RETAIL*
2900 **FOAM RECYCLE CTR**...*FEDERAL GOVERNMENT CONTRACTORS*
2900 **FOAM RECYCLE CTR**...*RECYCLING CENTERS (WHLS)*
2900 **MENASHA PACKAGING**...*PACKAGING SERVICE*
2900 **PATEL BROTHERS TOBACCO**...*CIGAR CIGARETTE & TOBACCO DEALERS-WHLS*
2900 **PLASTIC PIPING SYSTEMS**...*PLASTICS-PRODUCTS-RETAIL*
2900 **RYDER INTEGRATED LOGISTICS INC**...*INDUSTRIAL EQUIPMENT & SUPPLIES (WHLS)*
2900 **RYDER INTEGRATED LOGISTICS INC**...*TRUCK RENTING & LEASING*
2900 **RYDER INTEGRATED LOGISTICS INC**...*TRUCKDEALERSUSED*
2900 **RYDER INTEGRATED LOGISTICS INC**...*LOGISTICS*
2900 **TRIANGLE TABLE TENNIS LLC**...*FITNESS & RECREATIONAL SPORTS CENTERS*
3000 **INDUSTRIAL MICROWAVE SYSTS LLC**...*MANUFACTURERS DISTRS & INDL PRODUCTS*
3000 **PMC COMMERCIAL INTERIORS**...*INTERIOR DESIGNERS-CONTRACT*
3000 **PRICE MODERN OF RALEIGH**...*OFFICE FURNITURE & EQUIP-WHOLESALE*
3000 **PRICE MODERN OF RALEIGH**...*BUILDING DESIGNERS*
3000 **PRICE MODERN OF RALEIGH**...*SPACE PLANNERS*

2020 PERIMETER PARK DR
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 4 of 4

3000 **PRICE MODERN OF RALEIGH**...*ECOMMERCE*
3000 **TURNER CONSTRUCTION CO**...*CONSTRUCTION COMPANIES*

3500 **BAYER CROPSCIENCE**...*BUSINESS MANAGEMENT CONSULTANTS*
3500 **PPD INC**...*MEDICAL & SURGICAL SVC ORGANIZATIONS*
3800 **ANDERSON-BROWN, TEDRA L MD**...*PHYSICIANS & SURGEONS*
3800 **CLINIPACE WORLDWIDE**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
3800 **COOK, COLLEEN M**...*COUNSELORS-LICENSED PROFESSIONAL*
3800 **FUJIFILM MEDICAL SYSTEMS USA**...*MAGNETIC/OPTICAL RECORDING MEDIA (MFRS)*
3800 **FUJIFILM MEDICAL SYSTEMS USA**...*PHOTOGRAPHIC EQUIP & SUPPLIES-RETAIL*
3800 **INSIDERFARES**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **LIGGETT VECTOR BRANDS INC**...*CIGAR CIGARETTE & TOBACCO-MANUFACTURERS*
3800 **MAX POINT INTERACTIVE INC**...*BUSINESS & TRADE ORGANIZATIONS*
3800 **MAXPOINT INTERACTIVE INC**...*NONCLASSIFIED ESTABLISHMENTS*
3800 **PARAGON BIOMEDICAL**...*RESEARCH SERVICE*
3800 **RJ20 INC**...*INVESTMENT ADVICE*
3800 **SCHENKEL SHULTZ ARCHITECTURE**...*ARCHITECTURAL SERVICES*
3800 **VALUE OPTIONS**...*HEALTH CARE MANAGEMENT*
3800 **WORLDWIDE CLINICAL TRIALS**...*PHARMACEUTICAL RESEARCH LABORATORIES*
3800 **ZOOM E-CIGS LLC**...*ELECTRONIC CIGARETTES*
3900 **ATLANTIC TELECOM**...*ALL OTHER TELECOMMUNICATIONS*
3900 **C S P OPERATING PARTNERSHIP LP**...*NONCLASSIFIED ESTABLISHMENTS*
3900 **FURIEX PHARMACEUTICALS INC**...*DRUG-MANUFACTURERS*
3900 **FURLEX PHARMACEUTICALS INC**...*PHARMACIES & DRUG STORES*
3900 **LSSI DATA**...*INFORMATION TECHNOLOGY SERVICES*
3900 **PHARMACEUTICAL PRODUCT DEVMNT**...*RESEARCH SERVICE*
3900 **PPD INC**...*PHARMACEUTICAL RESEARCH LABORATORIES*
4200 **ATM**...*AUTOMATED TELLER MACHINES*
4200 **TIME WARNER CABLE**...*TELEVISION-CABLE & CATV*
5180 **NOAH'S EVENT VENUE**...*BANQUET ROOMS*
5200 **ORACLE**...*COMPUTER & PERIPHERAL EQUIP/SOFTWARE MRCHNT WHLSRS*
5200 **TEKELEC**...*TELEPHONE EQUIPMENT & SYSTEMS-MFRS*
5200 **TEKELEC**...*INTERNET SVCS-NETWORK DESIGNERS/CONSLNT*
5201 **DUKE REALTY CORP**...*REAL ESTATE*

136 total records. Part 1 of 3

100 **BROADCOM CORP**...*SEMICONDUCTORS & RELATED DEVICES MANUFACTURING*
100 **GENAISSANCE PHARMACEUTICALS**...*PHARMACEUTICAL PRODUCTS-WHOLESALE*
100 **I L S GENOMICS**...*NONCLASSIFIED ESTABLISHMENTS*
200 **ARROW ELECTRONICS INC**...*DISTRIBUTION SERVICES*
200 **ARROW ELECTRONICS INC**...*ELECTRONIC EQUIPMENT & SUPPLIES-WHLS*
200 **FIRST INDUSTRIAL REALTY TRUST**...*REAL ESTATE INVESTMENT TRUSTS*
300 **ASCOM WIRELESS SOLUTIONS INC**...*CELLULAR TELEPHONES (SERVICES)*
300 **CAROLINA CONFERENCE CTR & STD**...*CONVENTION & MEETING FACILITIES & SVC*
300 **CHARLES COVARD LTD**...*NONCLASSIFIED ESTABLISHMENTS*
300 **CHARLES & COLVARD DIRECT LLC**...*JEWELRY-MANUFACTURERS*
300 **CHARLES & COLVARD LTD**...*CRYSTALS-INDUSTRIAL (MFRS)*
300 **MOISSANITE.COM LLC**...*E-COMMERCE*
300 **SENSIBLE DATA SOLUTIONS**...*NONCLASSIFIED ESTABLISHMENTS*
400 **DIVERSIFIED INFORMATION TECH**...*INFORMATION MANAGEMENT*
400 **DIVERSIFIED INFORMATION TECH**...*FEDERAL GOVERNMENT CONTRACTORS*
500 **ISSUER DIRECT CORP**...*INFORMATION MANAGEMENT*
500 **LAB CORP**...*LABORATORIES-TESTING*
800 **IXIA**...*COMPUTER SOFTWARE*
800 **NOVATI TECHNOLOGIES INC**...*NONCLASSIFIED ESTABLISHMENTS*
900 **ATLANTIC TELECOM LLC**...*TELECOMMUNICATIONS SERVICES*
900 **CASTLE WORLDWIDE INC**...*EDUCATIONAL ASSESSEMENT*
900 **CASTLE WORLDWIDE INC**...*FEDERAL GOVERNMENT CONTRACTORS*
900 **HOMEDCO HOME HEALTH CARE**...*FEDERAL GOVERNMENT CONTRACTORS*
900 **PYE-BARKER FIRE & SAFETY**...*BURGLAR ALARM SYSTEMS (WHLS)*
900 **PYE-BARKER FIRE & SAFETY**...*FIRE ALARM SYSTEMS (WHLS)*
900 **TBI MORTGAGE CO**...*REAL ESTATE LOANS*
900 **THUNDERBIRD TECHNOLOGIES INC**...*SEMICONDUCTOR DEVICES (MFRS)*
900 **TOLL BROTHERS**...*HOME BUILDERS*
1000 **PRESIDIO NETWORKED SOLUTIONS**...*DATA COMMUNICATIONS SYSTEMS-NETWORKS*
1000 **WESTAT MORRIS**...*STATISTICAL SERVICE*
1100 **ACTERNA**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **AIRDAT LLC**...*FEDERAL GOVERNMENT CONTRACTORS*
1100 **APRIA HEALTHCARE**...*HOME HEALTH & HEALTH CARE EQUIPMENT*
1100 **CATERING ON DEMAND**...*CATERERS*
1100 **CENTERLINE # 2121**...*EMPLOYMENT CONTRACTORS-TEMPORARY HELP*
1100 **CORAM HEALTHCARE**...*HOME HEALTH SERVICE*
1100 **CORAM SPECIALTY INFUSION SVC**...*HOME HEALTH SERVICE*
1100 **DESIGN CENTER BY CALATLANTIC**...*HOME BUILDERS*
1100 **M IS GOOD**...*ADVERTISING AGENCIES*
1100 **M IS GOOD**...*ADVERTISING-AGENCIES & COUNSELORS*
1100 **PERIMETER STUDIO CONFERENCE**...*ALL OTHER INFORMATION SERVICES*
1100 **PLUGLESS POWER**...*AUTOMOBILE ELECTRIC EQUIPMENT*
1100 **STANDARD PACIFIC HOMES**...*HOME BUILDERS*
1100 **T W C OFFICE MATTHEW BROWN**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **TALARI NETWORKS INC**...*INTERNET SVCS-NETWORK DESIGNERS/CONSLNT*
1100 **TRUEBLUE**...*TEMPORARY HELP SERVICES*
1400 **PPD DEVELOPMENT**...*PHARMACEUTICAL CONSULTANTS*
1400 **PPD INC**...*PHARMACEUTICAL RESEARCH LABORATORIES*
1500 **D-WISE**...*COMPUTER RELATED SERVICES NEC*
1500 **DATA DIRECT TECHNOLOGIES**...*COMPUTER SERVICES*
1500 **KIMBERLY RILEY**...*RESIDENTIAL*
1500 **TELE TRACKING TECHNOLOGIES INC**...*MEDICAL ALARMS (WHLS)*
1500 **TELE TRACKING TECHNOLOGIES INC**...*RADAR-MANUFACTURERS & SERVICE*
1500 **XS INC**...*NONCLASSIFIED ESTABLISHMENTS*
1600 **BEAL, MARGARET R PA**...*PHYSICIANS ASSISTANTS*
1600 **CHAPEL HILL INTERNAL MEDICINE**...*PHYSICIANS & SURGEONS*
1600 **DE VRY UNIVERSITY**...*SCHOOLS-UNIVERSITIES & COLLEGES ACADEMIC*
1600 **DEVRY EDUCATION GROUP**...*EDUCATIONAL SERVICE-BUSINESS*
1600 **EASTERN RESEARCH GROUP INC**...*RESEARCH SERVICE*
1600 **GIBSON, VIRGINIA**...*OFFICES OF ALL OTHER MISC HEALTH PRACTITIONERS*
1600 **JOYNER, HEATHER L**...*SOCIAL WORKERS*
1600 **RADIAN CORP**...*NONCLASSIFIED ESTABLISHMENTS*

Part 2 of 3

1600 **URS CORP**...*ENGINEERS-CONSULTING*
1600 **URS CORP**...*FEDERAL GOVERNMENT CONTRACTORS*
1700 **FREDERICK, LAURETTA S MD**...*PHYSICIANS & SURGEONS*
1700 **NOVELLA CLINICAL INC**...*MEDICAL RESEARCH*
1800 **AMERICAN TELEPHONE TELEGRAPH**...*SERVICES NEC*
1800 **DIGNIFY THERAPEUTICS INC**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **FAST LANE CONSLTNG EDU SVC**...*FEDERAL GOVERNMENT CONTRACTORS*
1800 **FAST LANE US**...*UNCLASSIFIED ESTABLISHMENTS*
1800 **FASTLANE CONSULTING & EDU SVC**...*COMMUNICATIONS CONSULTANTS*
1800 **S T V INC**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **WEEKS REALTY**...*REAL ESTATE*
2000 **FURMAN, JENNIFER**...*DIETITIANS*
2000 **GIANFORCARO, ROBERT L DO**...*PHYSICIANS & SURGEONS*
2000 **NORTH CAROLINA WESLEYAN CLG**...*EDUCATIONAL PROGRAMS*
2000 **NOVARTIS PHARMACEUTICALS**...*PHARMACEUTICAL PRODUCTS-WHOLESALE*
2250 **BE ACTIVE NORTH CAROLINA**...*FEDERAL GOVERNMENT CONTRACTORS*
2250 **BE ACTIVE NORTH CAROLINA**...*NON-PROFIT ORGANIZATIONS*
2250 **DIALOG LLC**...*INFORMATION EQUIP & SYSTEMS*
2250 **PLEXUS INSIGHTS**...*NONCLASSIFIED ESTABLISHMENTS*
2250 **Q B E HOLDINGS**...*OFFICES OF OTHER HOLDING COMPANIES*
2250 **QBE FIRST**...*INSURANCE-HOMEOWNERS*
2250 **QBE FIRST**...*BUSINESS MANAGEMENT CONSULTANTS*
2250 **QBE FIRST**...*INSURANCE*
2250 **SFN GROUP**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
2250 **SPHERLON**...*EMPLOYMENT AGENCIES & OPPORTUNITIES*
2250 **TECHNEKES**...*MARKET RESEARCH & ANALYSIS*
2250 **TRAILCO**...*TRAILERS-REPAIRING & SERVICE*
2400 **FUJIFILM HOLDINGS AMERICA CORP**...*MAGNETIC/OPTICAL RECORDING MEDIA (MFRS)*
2400 **NETSERTIVE**...*MARKETING PROGRAMS & SERVICES*
2400 **NETSERTIVE**...*MARKETING CONSULTING SERVICES*
2400 **UNITED WAY-THE GREATER TRNGL**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
2400 **WEEKS CONSTRUCTION**...*CONSTRUCTION COMPANIES*
2450 **I CONTACT CORP**...*FILTERING-INTERNET & EMAIL*
2450 **KBR INC**...*CONSTRUCTION-HEAVY PROJECTS*
2450 **MORRISVILLE PARK TAVERN**...*BARS*
2600 **APRIA HEALTHCARE**...*HOSPITAL EQUIPMENT & SUPPLIES (WHLS)*
2600 **APRIA HEALTHCARE**...*PHYSICIANS & SURGEONS EQUIP & SUPLS-MFRS*
2600 **SCHNEIDER ELECTRIC**...*HEATING SYSTEMS-CLEANING & REPAIRING*
2600 **SCHNEIDER ELECTRIC**...*CONTROLS CONTROL SYSTEMS/REGULATORS-MFRS*
2600 **TAC AMERICAS**...*CONTROLS CONTROL SYSTS/REGULATORS (WHLS)*
2700 **ACTION PRODUCTS**...*GENERAL MERCHANDISE-RETAIL*
2700 **ADT SECURITY SVC**...*BURGLAR ALARM SYSTEMS (WHLS)*
2700 **ADT SECURITY SVC**...*SECURITY SYSTEMS*
2700 **CANDLESCIENCE**...*CANDLES-MFRS EQUIPMENT & SUPLS (WHLS)*
2700 **CAPITAL PACKAGING**...*PACKAGING & LABELING SERVICES*
2700 **DB SCHENKER USA**...*AIR CARGO SERVICE*
2700 **DUKE WEEKS REALTY**...*REAL ESTATE*
2700 **NITEL MORRISVILLE**...*NONCLASSIFIED ESTABLISHMENTS*
2700 **RED BULL DISTRIBUTION**...*DISTRIBUTION SERVICES*
2700 **SCOTTS LAWN SVC**...*TREE SERVICE*
2700 **SCOTTS LAWN SVC**...*LAWN & GROUNDS MAINTENANCE*
2700 **SNYDER'S-LANCE INC**...*SNACK PRODUCTS*
2700 **SNYDER'S-LANCE INC**...*POTATO CHIPS (WHLS)*
2800 **ACCELERATED INC**...*NONCLASSIFIED ESTABLISHMENTS*
2800 **ANIXTER INC**...*WIRE & CABLE-ELECTRIC (WHLS)*
2800 **APEX LOGISTICS INC**...*FREIGHT-FORWARDING*
2800 **BODY RX**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
2800 **COMMERCIAL WORKS INC**...*FEDERAL GOVERNMENT CONTRACTORS*
2800 **EXTREME EXPRESS**...*TRANSPORTATION SERVICES*
2800 **GUARDIAN FULFILLMENT SOLUTIONS**...*FREIGHT-FORWARDING*
2800 **O'ROURKE BROTHERS DISTRIBUTING**...*SATELLITE EQUIPMENT & SYSTEMS-WHOLESALE*
2800 **O'ROURKE BROTHERS DISTRIBUTING**...*SATELLITE EQUIPMENT & SYSTEMS-RETAIL*
2800 **SOLARHOT LIMITED**...*SOLAR ENERGY EQUIPMENT-MANUFACTURERS*
2800 **UNDERWRITERS LABORATORIES**...*UNCLASSIFIED ESTABLISHMENTS*
2800 **WHOLE FOODS GLUTEN FREE BAKE**...*BAKERS-RETAIL*

2016 PERIMETER PARK DR
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 3 of 3

2900 **FOAM RECYCLE CTR**...*RECYCLING CENTERS (WHLS)*
2900 **MENASHA PACKAGING**...*PACKAGING SERVICE*
2900 **RYDER INTEGRATED LOGISTICS INC**...*LOGISTICS*
2900 **RYDER INTEGRATED LOGISTICS INC**...*TRUCK RENTING & LEASING*
2900 **TRIANGLE TABLE TENNIS LLC**...*FITNESS & RECREATIONAL SPORTS CENTERS*
3000 **INDUSTRIAL MICROWAVE SYSTS LLC**...*MANUFACTURERS DISTRS & INDL PRODUCTS*
3000 **PRICE MODERN OF RALEIGH**...*OFFICE FURNITURE & EQUIP-WHOLESALE*
3000 **PRICE MODERN OF RALEIGH**...*SPACE PLANNERS*
3000 **THRIVE 47 LLC**...*NONCLASSIFIED ESTABLISHMENTS*

2011 PARAMOUNT PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

3500 **TRIMERIS INC**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
3800 **EMPIRIC SYSTEMS LLC**...*SURGICAL & MEDICAL INSTRUMENT MFG*
3800 **SCHENKEL & SHULTZ**...*ARCHITECTURAL SVCS*
3800 **SOUTHEAST INTERACTIVE TECHS**...*MISC INTERMEDIATION*
3800 **VALUE OPTIONS**
3900 **LSSI DATA**...*OFFICE ADMINISTRATIVE SVCS*
3900 **PPD DEVELOPMENT**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
3900 **PPD DISCOVERY**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
3900 **PPD INC**...*MISC AMBULATORY HEALTH CARE SVCS*
3900 **UNISYS CORP**...*COMPUTER & SOFTWARE STORES*
4200 **TIME WARNER CABLE**...*DATA PROCESSING & RELATED SVCS*
5200 **TEKELEC**...*BROADCAST & WIRELESS COMMUNICATIONS EQUIP*
5201 **DUKE REALTY CORP**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
5201 **IBM LENOVO CORP**

2011 PERIMETER PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

73 total records. Part 1 of 2

100 **COGENICS**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
100 **COGENSIC INC**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
100 **GENAISSANCE PHARMACEUTICALS**...*DRUGGISTS' GOODS MERCHANT WHOLS*
100 **LEVEL 7 SYSTEMS INC**...*COMPUTER & SOFTWARE STORES*
200 **AAI PHARMA**...*PHARMACIES & DRUG STORES*
200 **ARROW ELECTRONICS INC**...*OTHER ELECTRONIC PARTS MERCHANT WHOLS*
200 **FIRST INDUSTRIAL REALTY TRUST**...*OTHER FINANCIAL VEHICLES*
300 **CAROLINA CONFERENCE CTR & STD**...*CONVENTION & TRADE SHOW ORGANIZERS*
300 **CHARLES & COLVARD LTD**...*JEWELRY MERCHANT WHOLS*
300 **MARKET SMART ADVERTISING**...*ADVERTISING AGENCIES*
300 **MSA THE THINK AGENCY**...*ADVERTISING AGENCIES*
300 **SENSIBLE DATA SOLUTIONS**
400 **ACTIVE DATA SVC**...*ALL OTHER BUSINESS SUPPORT SVCS*
500 **LAB CORP**...*TESTING LABORATORIES*
800 **CATAPULT COMMUNICATIONS CORP**...*COMPUTER & SOFTWARE STORES*
800 **ZIPTRONIX INC**...*SEMICONDUCTORS & RELATED DEVICES MFG*
900 **HOMEDCO HOME HEALTH CARE**...*HOME HEALTH CARE SVCS*
1000 **ADVANCEDNEXWORX INC**...*COMPUTER SYSTEMS DESIGN SVCS*
1000 **EAST TRIANGLE CHURCH**...*RELIGIOUS ORGANIZATION*
1000 **NEO NOVA NETWORK SVC**...*DATA PROCESSING & RELATED SVCS*
1000 **TRIANGLE CHURCH**...*RELIGIOUS ORGANIZATION*
1000 **WESTON SOLUTIONS**...*ENGINEERING SVCS*
1100 **ACTERNA**
1100 **APRIA HEALTHCARE**...*MISC AMBULATORY HEALTH CARE SVCS*
1100 **ASSURZ**...*COMPUTER & SOFTWARE STORES*
1100 **AUTOMATED OFFICE SYSTEMS OF NC**...*MISC GENERAL PURPOSE MACHINERY MFG*
1100 **CORAM HEALTHCARE**...*HOME HEALTH CARE SVCS*
1100 **TIGERDIRECT.COM OUTLET STORE**...*STORE RETAILERS NOT SPECIFIED ELSEWHERE*
1400 **PHARMACEUTICAL PRODUCT DEVMNT**...*DRUGGISTS' GOODS MERCHANT WHOLS*
1400 **PPD INC**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
1500 **BUILD LINK INC**...*DATA PROCESSING & RELATED SVCS*
1500 **DATA DIRECT TECHNOLOGIES**...*COMPUTER & SOFTWARE STORES*
1500 **X S INC**
1600 **AVOS LIFE SCIENCES**...*PROCESS & LOGISTICS CONSULTING SVCS*
1600 **DE VRY UNIVERSITY**...*COLLEGES & UNIVERSITIES*
1600 **EASTERN RESEARCH GROUP**...*MARKETING RESEARCH & PUBLIC OPEN POLLING*
1600 **RADIAN CORP**
1600 **SAFFRON TECHNOLOGY**...*COMPUTER & SOFTWARE STORES*
1600 **STANDARD PACIFIC HOMES**...*NEW SINGLE-FAMILY GENERAL CONTRS*
1600 **URS CORP**...*ENGINEERING SVCS*
1700 **INTERPATH**
1700 **SALIX PHARMACEUTICALS LTD**...*DRUGGISTS' GOODS MERCHANT WHOLS*
1800 **BOTTOM LINE TECHNOLOGIES**...*CUSTOM COMPUTER PROGRAMMING SVCS*
1800 **TRIANGLE COMMERCIAL ASSN**...*BUSINESS ASSOCIATIONS*
1800 **WEEKS REALTY**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
2000 **ENSR**...*RESEARCH & DEVELOPMENT IN BIOTECHNOLOGY*
2000 **NORTH CAROLINA WESLEYAN CLG**...*COLLEGES & UNIVERSITIES*
2250 **DUKE REALTY**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
2250 **VIAMET PHARMACEUTICALS**...*DRUGGISTS' GOODS MERCHANT WHOLS*
2400 **CERIDIAN CORP**
2450 **B E & K ENGINEERING CO**...*ENGINEERING SVCS*
2450 **HOME BUYERS CHANNEL**
2600 **APRIA HEALTHCARE**...*MEDICAL EQUIP MERCHANT WHOLS*
2700 **ADT SECURITY SVC**...*ELECTRIC EQUIP & WIRING MERCHANT WHOLS*
2700 **BAX GLOBAL**...*SCHEDULED FREIGHT AIR TRANSPORTATION*
2700 **CAPITAL PACKAGING**...*INDUSTRIAL PAPER MERCHANT WHOLS*
2700 **DUKE WEEKS REALTY**...*OFFICES OF REAL ESTATE AGENTS & BROKERS*
2700 **HOUSE OF FLOORS RALEIGH DURHAM**...*FLOORING CONTRS*
2700 **SCOTTS LAWN SVC**...*LANDSCAPING SVCS*
2700 **SERVICE EXPRESS**...*OTHER SPECIALIZED TRUCKING, LONG-DISTANCE*
2700 **SNYDERS OF HANOVER**...*SUPERMARKETS & OTHER GROCERY STORES*
2800 **ALLEGIANCE VALUELINK**...*PHARMACIES & DRUG STORES*
2800 **BODY RX**...*AUTOMOTIVE BODY & INTERIOR REPAIR*

2011 PERIMETER PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

2800 **COMMERCIAL MOVERS INC**...*GENERAL FREIGHT TRUCKING, LOCAL*

2800 **CRYSTAL TRANSPORTATION SVC**...*SUPPORT ACTIVITIES FOR RAIL TRANSPORTATION*

2800 **MARKETING MACHINE**...*MARKETING CONSULTING SVCS*

2800 **OROURKE BROTHERS DISTRIBUTING**...*OTHER ELECTRONIC PARTS MERCHANT WHOLS*

2800 **WHOLE FOODS GLUTEN FREE BAKE**...*SUPERMARKETS & OTHER GROCERY STORES*

2900 **AMERIPRISE FINANCIAL**...*INVESTMENT ADVICE*

2900 **FOAM RECYCLE CTR**...*RECYCLABLE MATERIAL MERCHANT WHOLS*

2900 **RYDER INTEGRATED LOGISTICS INC**...*ADMINISTRATIVE MANAGEMENT CONSULTING SVCS*

3000 **INDUSTRIAL MICROWAVE SYSTEM**...*MISC GENERAL PURPOSE MACHINERY MFG*

3000 **PRICE MODERN OF RALEIGH**...*FURNITURE MERCHANT WHOLS*

2008 PARAMOUNT PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

3500 **DNA SCIENCES INC**...*GENETIC RESEARCH*

3500 **PPD DISCOVERY**...*LABORATORIES-RESEARCH & DEVELOPMENT*

3900 **FORM SCAPE**...*COMPUTERS-SYSTEM DESIGNERS & CONSULTANTS*

3900 **FORMSCAPE**...*COMPUTER SOFTWARE*

3900 **FORMSCAPE INC**...*CUSTOM COMPUTER SOFTWARE SALES AND DESIGN*

3900 **FORMSCAPE INC**...*COMPUTER SOFTWARE*

3900 **LSSI CORP**...*NONCLASSIFIED ESTABLISHMENTS*

3900 **P PD DEVELOPMENT**...*MEDICAL & SURGICAL SVC ORGANIZATIONS*

3900 **PHARMACEUTICAL PRODUCT DEV**...*NONCOMMERCIAL RESEARCH ORGANIZATION*

3900 **PPD**...*PHARMACEUTICAL RESEARCH LABORATORIES*

3900 **PPD INC**...*ORGANIZATIONS*

3900 **PPD PHARMACO**...*COMMERCIAL PHYSICAL RESEARCH*

3900 **SEC ASSOCIATES INC**...*REGULATORY COMPLIANCE & COMPUTER VALIDATION CONSULTING*

3900 **UNISYS CORP**...*COMPUTER & EQUIPMENT DEALERS*

5200 **KURT CLEVELAND**...*TELEPHONE COMMUNICATIONS*

5200 **TEKELEC**...*MFG ELECTRICAL MEASURING INSTRUMENTS MFG COMPUTER PERIP*

107 total records. Part 1 of 2

100 **GENAISSANCE PHARMACEUTICALS**...*LABORATORIES-RESEARCH & DEVELOPMENT*
100 **IKONISYS INC**...*BIOMEDICAL TECHNOLOGY*
100 **IKONISYS INC**...*NCLASSIFIABLE ESTAB*
100 **LEVEL 7 SYSTEMS**...*COMPUTER SOFTWARE*
100 **MCI TELECOMMUNICATIONS CORP**...*TELEPHONE COMPANIES*
200 **ARROW ELECTRONICS**...*DISTRIBUTION SERVICES*
200 **CLANCY & THEYS CONSTRUCTION CO**...*NONRESIDENTIAL CONSTRUCTION*
300 **CAROLINA CONFERENCE CTR STUDIO**...*UNCLASSIFIED*
300 **CHARLES & COLVARD LTD**...*MFG JEWELERS' MATERIALS RET JEWELRY MFG CHEMICAL PREPAR*
300 **CHARLES & COLVARD LTD**...*JEWELRY-MANUFACTURERS*
300 **CHERISH INC**...*ONLINE DATING SERVICE*
300 **MARKET SMART INTERACTIVE INC**...*INTERNET SERVICE*
300 **T WORD RANKING**...*INTERNET SERVICE*
300 **WEBSOURCED INC**...*SEARCH ENGINE SERVICES*
400 **ACTIVE DATA SVC**...*SERVICES NEC*
500 **LABORATORY CORP OF AMERICA**...*LABORATORIES-TESTING*
800 **CATAPULT COMMUNICATIONS CORP**...*COMPUTER SOFTWARE*
800 **ZIPTRONIX INC**...*WAFER INTEGRATION & TECHNOLOGY*
900 **AVIONIC INSTRUMENTS**...*ENGINEERING SERVICES*
900 **AVIONIC INSTRUMENTS INC**...*ROBOTS (WHOLESALE)*
900 **COLUMBIA ASSESSMENT SERVICES**...*TRAINING TEST DEVELOPMENT & ADMINISTRATION*
900 **THUNDERBIRD TECHNOLOGIES INC**...*SEMICONDUCTOR DEVICES (MANUFACTURERS)*
900 **VORTEX HOLDING COMPANY**...*ELECTRICAL INDUSTRIAL APPARATUS NEC*
900 **WEB COMMERCE GROUP LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1000 **CROSSOVER LENDING GROUP**...*LOANS*
1000 **CYAL INC**...*ANALYTICAL CHEMICAL TESTING LABORATORIES*
1000 **FIRST CLASS CHILD DEVELOPMENT**...*CHILD CARE SERVICE*
1000 **NEO NOVA NETWORK SVC**...*INTERNET SERVICE*
1000 **NEONOVA NETWORK SERVICES INC**...*WHOL ELECTRONIC PARTS/EQUIPMENT TELEPHONE COMMUNICATION*
1000 **TRIANGLE CHURCH**...*RELIGIOUS ORGANIZATION RELIGIOUS ORGANIZATION*
1000 **VITESSE SEMICONDUCTOR CORP**...*MFG GALLIUM ARSENIDE INTEGRATED MICROCIRCUITS*
1000 **WESTON SOLUTIONS INC**...*CONSULTING SERVICES*
1100 **ACTERNA**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **ACTERNA CORP**...*NONCLASSIFIED ESTABLISHMENTS*
1100 **ACTERNA LLC**...*MFG MARKET TEST PRODUCTS TEST SYSTEMS SOFTWARE SUPPORT*
1100 **CORAM ALTERNATE SITE SERVICES**...*HOME HEALTHCARE SVCS*
1100 **CORAM HEALTHCARE**...*HOME HEALTH SERVICE*
1100 **CREATIVE CUISINE CATERING**...*CATERERS*
1100 **CUISINES CATERING**...*CATERING SERVICE*
1100 **GANYMEDE SOFTWARE**...*COMPUTER SOFTWARE*
1100 **HOME HEALTH AND HOSPICE CARE**...*HOME HEALTH CARE SERVICES*
1100 **NET I Q CORP**...*COMPUTER SOFTWARE*
1100 **NETIQ CORPORATION**...*COMPUTER SOFTWARE DEVELOPMENT*
1100 **PARENTS WITHOUT PARTNERS CARY**...*ASSOCIATIONS*
1100 **UNITED WAY**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
1400 **PPD**...*PHARMACEUTICAL RESEARCH LABORATORIES*
1400 **PPD DEVELOPMENT CLINIC**...*PHARMACEUTICAL PRODUCTS TESTING & RESEARCH*
1400 **PPD INC**...*PHARMACEUTICAL RESEARCH LABORATORIES*
1500 **DATA DIRECT TECHNOLOGIES**...*WHOL COMPUTERS/PERIPHERALS PREPACKAGED SOFTWARE SERVICE*
1500 **DATA DIRECT TECHOLOGIES**...*COMPUTER SOFTWARE*
1500 **RADIATOR EXPRESS**...*AUTOMOBILE RADIATOR REPAIRING*
1600 **AVOS LIFE SCIENCES**...*NONCLASSIFIED ESTABLISHMENTS*
1600 **EASTERN RESEARCH GROUP**...*RESEARCH SERVICE*
1600 **ERG**...*BUSINESS CONSULTING SERVICES*
1600 **KELLER GRADUATE SCHOOL OF MGMT**...*SCHOOLS*
1600 **RADIAN CORP**...*NONCLASSIFIED ESTABLISHMENTS*
1600 **SAFFRON TECHNOLOGY**...*COMPUTER SOFTWARE*
1600 **SAFFRON TECHNOLOGY INC DE**...*COMPUTER SOFTWARE DEVELOPMENT SERVICES*
1600 **URS**...*PROVIDES ENGINEERING ARCHITECTURAL AND CONSTRUCTION MAN*
1600 **URS CORP**...*ENGINEERS-CONSULTING*
1700 **INTERPATH**...*NONCLASSIFIED ESTABLISHMENTS*
1700 **SALIX PHARMACEUTICALS LTD**...*DRUG MILLERS*

2008 PERIMETER PARK DR
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

1800 **DUKE REALTY CORP**...*REAL ESTATE DEVELOPERS*
1800 **DUKE-WEEKS REALTY CORPORATION**...*NONRESIDENTIAL CONSTRUCTION REAL ESTATE AGENT/MANAGER*
1800 **EMPIRIC SYSTEMS LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **TRIANGLE COMMERICAL ASSOC**...*BUSINESS ASSOCIATION*
1800 **WEEKS REALTY**...*REAL ESTATE*
1800 **WEEKS REALTY LP**...*REAL ESTATE AGENT/MANAGER*
1800 **X S INC**...*NONCLASSIFIED ESTABLISHMENTS*
1800 **XS INC**...*UNCLASSIFIED*
2000 **COLLEGIS INC**...*TECHNOLOGY CONSULTANTS & COMPUTER SERVICES*
2000 **NORTH CAROLINA WESLEYAN CLG**...*SCHOOLS-UNIVERSITIES & COLLEGES ACADEMIC*
2400 **CERIDIAN CORP**...*NONCLASSIFIED ESTABLISHMENTS*
2400 **CERIDIAN CORPORATION**...*MANAGEMENT CONSULTING SERVICES*
2400 **IKON OFFICE SOLUTIONS INC**...*COPYING & DUPLICATING MACHINES & SUPLS*
2450 **ADCAST-TIME WARNER CABLE T V A**...*TELEVISION STATION CABLE/PAY TELEVISION SERVICE ADVERTI*
2450 **B E & K ENGINEERING CO**...*ENGINEERS-CONSULTING*
2450 **B E & K ENGINEERING COMPANY**...*ENGINEERING CONSULTANTS*
2450 **HOME BUYERS CHANNEL**...*NONCLASSIFIED ESTABLISHMENTS*
2450 **TIME WARNER CABLE**...*ADVERTISING-AGENCIES & COUNSELORS*
2600 **ABBEY MEDICAL INC**...*MEDICAL EQUIPMENT RENTAL*
2600 **HOMEDCO INC**...*WHOL MEDICAL/HOSPITAL EQUIPMENT*
2700 **ADT SECURITY SVC**...*SECURITY SYSTEMS CONSULTANTS*
2700 **BAX GLOBAL INC**...*CUSTOMS BROKERS*
2700 **DUKE WEEKS REALTY**...*REAL ESTATE*
2700 **HOUSE OF FLOORS RALEIGH DURHAM**...*FLOOR LAYING REFINISHING & RESURFACING*
2700 **SCOTTS CO 938**...*LAWN/GARDEN SERVICES*
2700 **SCOTTS LAWN SVC**...*LAWN & GROUNDS MAINTENANCE*
2700 **SERVICE EXPRESS**...*TRANSPORTATION SERVICES*
2700 **SNYDERS OF HANOVER**...*POTATO CHIPS CORN CHIPS/SNACKS (MFRS)*
2800 **ALLEGIANCE HEALTHCARE**...*HEALTH SERVICES*
2800 **ANIXTER**...*WHLS WIRING SYSTEMS FOR POWER PRODUCTS*
2800 **BODY RX**...*RET DRUGS/SUNDRIES*
2800 **CARDINAL HEALTH 200 INC**...*WHOLESALES MEDICAL & SURGICAL SUPPLIES*
2800 **COMMERCIAL MOVERS INC**...*MOVERS*
2800 **ECKO INTERNATIONAL INC**...*NONCLASSIFIED ESTABLISHMENTS*
2800 **OROURKE BROTHERS DISTRIBUTING**...*SATELLITE EQUIPMENT & SYSTEMS-WHOLESALE*
2800 **WHOLE FOODS MARKET**...*GROCERS-RETAIL*
2900 **AMERICAN EXPRESS FINANCIAL ADV**...*FINANCIAL PLANNING CONSULTANTS*
2900 **AMERIPRISE FINANCIAL**...*FINANCIAL PLANNING CONSULTANTS*
2900 **NATIONS EXPRESS INC**...*FREIGHT TRANSPORTATION ARRANGEMENT*
2900 **RYDER INTEGRATED LOGISTICS INC**...*DELIVERY SERVICE*
2900 **VELOCITY EXPRESS INC**...*DELIVERY SERVICE*
3000 **INDUSTRIAL MCRWAVE SYSTEMS LLC**...*DESIGNS & BUILDS INDUSTRIAL HEATING & DRYING SYSTEMS*
3000 **INDUSTRIAL MICROWAVE SYSTEM**...*INDUSTRIAL EQUIPMENT & SUPPLIES-MFRS*
3000 **PRICE MODERN OF CAROLINA**...*OFFICE FURNITURE & EQUIP-DEALERS (WHOL)*
3000 **PRICE MODERN OF RALEIGH**...*OFFICE FURNITURE & EQUIP-DEALERS (WHOL)*

2003 PARAMOUNT PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

3500 **DNA SCIENCES LABORATORIES INC**
3500 **PPD DISCOVERY**...*BIOLOGICAL RESEARCH*
3500 **PPD DISCOVERY INC**...*BIOLOGICAL RESEARCH*
3500 **TRIMERIS INC**
3900 **FORM SCAPE**...*COMPUTER SOFTWARE DEVELOPMENT AND APPLICATIONS*
3900 **FORM SCAPE INC**...*COMPUTER SOFTWARE DEVELOPMENT AND APPLICATIONS*
3900 **GENUPRO INC**...*DRUGS AND DRUG PROPRIETARIES*
3900 **LSSI CORP**
3900 **PPD INC**
3900 **SEC VALIDATION SVC INC**...*COMPUTER SOFTWARE DEVELOPMENT AND APPLICATIONS*
3900 **UNISYS CORP**
5200 **TEKELEC**...*TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT*
5241 **DUKE REALTY**
5241 **REALTY DUKE**

2003 PERIMETER PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

103 total records. Part 1 of 2

100 **COGENICS**
100 **GENAISSANCE PHARMACEUTICALS**...*BIOLOGICAL RESEARCH*
100 **LEVEL 7 SYSTEMS**...*COMPUTER PERIPHERAL EQUIPMENT*
200 **ARROW ELECTRONICS INC**
200 **FIRST INDUSTRIAL REALTY TRUST**
300 **CAROLINA CONFERENCE CTR & STD**
300 **CHARLES & COLVARD LTD**...*JEWELRY APPAREL*
300 **MARKET SMART ADVERTISING INC**
300 **MARKET SMART INTERACTIVE INC**
400 **ACTIVE DATA SVC**
500 **LABORATORY CORP OF AMERICA**...*PRODUCT TESTING LABORATORIES*
800 **CATAPULT COMMUNICATIONS CORP**...*COMPUTER PERIPHERAL EQUIPMENT*
800 **ZIPTRONIX INC**
900 **ALARMS PLUS**...*LIGHTING FIXTURES*
900 **HOMEDCO HOME HEALTH CARE**
900 **MEDICAL WEB**
900 **THUNDERBIRD TECHNOLOGIES INC**...*SEMICONDUCTOR DIODES AND RECTIFIERS*
900 **WEB COMMERCE GROUP LLC**...*COMPUTER PERIPHERAL EQUIPMENT*
900 **WORLD THEATRE**...*ADVERTISING, NEC, NEC*
1000 **EAST TRIANGLE CHURCH**
1000 **FIRST TRANSIT INC**...*LOCAL RENTAL TRANSPORTATION*
1000 **NEO NOVA NETWORK SVC**...*SERVICES, NEC, NEC*
1000 **NEO NOVA NETWORK SVC**
1000 **VITESSE SEMICONDUCTOR CORP**...*SEMICONDUCTOR DIODES AND RECTIFIERS*
1000 **WESTON SOLUTIONS INC**
1100 **ACTERNA**
1100 **APRIA HEALTHCARE**
1100 **ASSURZ INC**
1100 **CORAM HEALTHCARE**
1100 **CREATIVE CUISINE CATERING**
1100 **CUISINE'S**
1100 **GANYMEDE SOFTWARE**...*COMPUTER PERIPHERAL EQUIPMENT*
1100 **MEDQUIST MORRISVILLE INC**
1100 **MOBILNET GTE**...*RESIDENTIAL*
1100 **NET IQ**
1100 **PARENTS WITHOUT PARTNERS**...*GROWERS' ASSOCIATIONS*
1100 **PARENTS WITHOUT PARTNERS CARY**...*GROWERS' ASSOCIATIONS*
1100 **TIGER DIRECT INC**...*COMPUTER PERIPHERAL EQUIPMENT*
1100 **TRIANGLE UNITED WAYS CALL 211**
1100 **UNITED WAY**
1100 **YELLOW BRICK SOLUTIONS**...*COMPUTER PERIPHERAL EQUIPMENT*
1400 **COMPHEALTH**...*RESIDENTIAL*
1400 **PHARMACEUTICAL PRODUCT DEVMNT**...*DRUGS AND DRUG PROPRIETARIES*
1400 **PPD DEVELOPMENT CLINIC**
1400 **PPD INC**
1500 **BUILD LINK INC**
1500 **COLEMAN RESEARCH CORP**...*ELECTRONIC MEDIA ADVERTISING REPRESENTATIVES*
1500 **DATA DIRECT TECHOLOGIES**...*COMPUTER PERIPHERAL EQUIPMENT*
1500 **RADIATOR EXPRESS**...*FRAME AND FRONT END REPAIR SERVICES*
1600 **AVOS LIFE SCIENCES**...*INDUSTRIAL AND LABOR CONSULTING SERVICES*
1600 **DE VRY UNIVERSITY**...*COLLEGES AND UNIVERSITIES*
1600 **EASTERN RESEARCH GROUP**
1600 **KELLER GRADUATE SCHOOL OF MGMT**...*PUBLIC ELEMENTARY AND SECONDARY SCHOOLS*
1600 **RADIAN CORP**
1600 **SAFFRON TECHNOLOGY**...*COMPUTER PERIPHERAL EQUIPMENT*
1600 **URS CORP**
1600 **URS CORPORATION**
1700 **INTERPATH**
1700 **SALIX PHARMACEUTICALS LTD**...*DRUGS ACTING ON THE RESPIRATORY SYSTEM*
1800 **DUKE REALTY CORP**
1800 **EMPIRIC SYSTEMS LLC**...*SURGICAL INSTRUMENTS AND APPARATUS*
1800 **H S LICHTIN**...*RESIDENTIAL*
1800 **WEEKS REALTY**
1800 **X S INC**
2000 **COLLEGIS LEARTNING TECHNOLOGY**

2003 PERIMETER PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

2000	**NORTH CAROLINA WESLEYAN CLG**...*COLLEGES AND UNIVERSITIES*
2000	**RETECH**
2000	**UNISYS CORP**
2400	**CERIDIAN CORP**
2400	**IKON OFFICE SOLUTIONS INC**...*TYPEWRITER AND DICTATION EQUIPMENT*
2450	**B E & K ENGINEERING CO**
2450	**HOME BUYERS CHANNEL**
2450	**TIME WARNER CABLE**
2600	**APRIA HEALTHCARE**...*SURGICAL INSTRUMENTS AND APPARATUS*
2600	**APRIA HEALTHCARE INC**
2600	**NEW HORIZONS COMPUTER LEARNING**
2700	**ADT SECURITY SVC INC**
2700	**DUKE WEEKS REALTY**
2700	**HOUSE OF FLOORS RALEIGH DURHAM**
2700	**SCOTTS LAWN SVC**...*PLANTING, PRUNING, AND TRIMMING SERVICES*
2700	**SERVICE EXPRESS**
2700	**SNYDER'S OF HANOVER**...*CONVENIENCE STORES*
2800	**ALLEGIANCE HEALTHCARE**
2800	**ALLEGIANCE HEALTHCARE INC**
2800	**BAXTER VALUELINK**
2800	**BODY RX**...*INTERIOR REPAIR SERVICES*
2800	**COMMERCIAL MOVERS INC**
2800	**ECKO INTERNATIONAL INC**
2800	**O'ROURKE BROTHERS DISTRIBUTING**
2800	**VALUELINK BAXTER**...*RESIDENTIAL*
2800	**WHOLE FOODS MARKET**...*HEALTH AND DIETETIC FOOD STORES*
2900	**AMERICAN EXPRESS**...*FACTORING SERVICES*
2900	**AMERIPRISE FINANCIAL**
2900	**CAPITAL CARTAGE INC**
2900	**CAROLINA PARCEL SVC**
2900	**NATIONS EXPRESS**
2900	**RYDER INTEGRATED LOGISTICS INC**
2900	**VELOCITY EXPRESS INC**
2900	**VELOCITY EXPRESS MORRISVILLE**
3000	**INDUSTRIAL MICROWAVE SYSTEM**
3000	**INDUSTRIAL MICROWAVE SYSTEMS**
3000	**MAC PAPERS INC**
3000	**PRICE MODERN OF RALEIGH**

2000 PARAMOUNT PKWY

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000 PERIMETER PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

900 **THUNDERBIRD TECHNOLOGIES INC**...*SEMICONDUCTOR DIODES AND RECTIFIERS*
900 **WORLD-THEATRE INC**...*ADVERTISING, NEC, NEC*
1000 **FIRST CLASS**
1000 **G T DESIGN SVC**
1000 **IT CORPORATION**
1000 **ROY F WESTON INC**
1000 **SHUMATE MECHANICAL-RALEIGH INC**
1100 **AFP TECHNOLOGY**...*COMPUTER SOFTWARE DEVELOPMENT AND APPLICATIONS*
1100 **CORAM HEALTHCARE**
1100 **GANYMEDE SOFTWARE**...*COMPUTER PERIPHERAL EQUIPMENT*
1100 **MOBILNET GTE**...*RESIDENTIAL*
1100 **RICHIE'S CAFE & CATERING**
1100 **TIGER DIRECT**...*COMPUTER PERIPHERAL EQUIPMENT*
1100 **UNITED WAY**
1100 **VOLTECH INSTRUMENTS INC**...*ELECTRONIC SWITCHES*
1400 **COMPHEALTH**...*RESIDENTIAL*
1500 **COLEMAN RESEARCH CORP**...*ELECTRONIC MEDIA ADVERTISING REPRESENTATIVES*
1500 **MERANT**...*COMPUTER PERIPHERAL EQUIPMENT*
1600 **RADIAN ENGINEERING**
1800 **DUKE WEEKS REALTY**
1800 **ENGINEOUS SOFTWARE INC**...*COMPUTER SOFTWARE DEVELOPMENT AND APPLICATIONS*
1800 **H S LICHTIN**...*RESIDENTIAL*
2000 **B E & K ENGINEERING CO**
2000 **VIA TECH**
2600 **APRIA HEALTHCARE INC**...*SURGICAL INSTRUMENTS AND APPARATUS*
2800 **VALUELINK BAXTER**...*RESIDENTIAL*
2800 **WELLSPRING DISTRIBUTORS**
3000 **INDUSTRIAL MICROWAVE SYSTEM**
3000 **MAC PAPERS INC**

1996 PARAMOUNT PKWY

SOURCE: POLKS

STREET NOT LISTED

1996 PERIMETER PARK DR

SOURCE: POLKS

100	MCI
800	NORTHERN TELECOM INC
900	CUSTOM MOLDERS INC
900	RADIAN CORP
1000	CHECKCARE SYSTEMS INC
1000	CYAL ELECTRIC SUPPLY & EQUIPMENT CO
1000	FIRST CLASS
1000	G T DESIGN SVC
1000	GROUNDWATER TECHNOLOGY INC
1000	PINKERTON BANKING SVC
1000	PINKERTON SECURITY & INVSTGTNS
1000	ROY F WESTON INC
1000	THUNDERBIRD TECHNOLOGIES INC
1100	COMPUTERLAND
1100	GTE MOBILNET
1100	LICHTIN PROPERTIES
1100	PERIMETER GARDEN CAFE
1400	KRON CLINICAL SVC
2800	BURNHAM SERVICE CORP

1993 PARAMOUNT PKWY

SOURCE: POLKS

STREET NOT LISTED

1993 PERIMETER PARK DR

SOURCE: POLKS

STREET NOT LISTED

1989 PARAMOUNT PKWY

SOURCE: POLKS

STREET NOT LISTED

1989 PERIMETER PARK DR

SOURCE: POLKS

STREET NOT LISTED

1984-85 PARAMOUNT PKWY

SOURCE: POLKS

STREET NOT LISTED

1984-85 PERIMETER PARK DR

SOURCE: POLKS

STREET NOT LISTED

1980 PARAMOUNT PKWY

SOURCE: HILLS

STREET NOT LISTED

1980 PERIMETER PARK DR

SOURCE: HILLS

STREET NOT LISTED

1975 PARAMOUNT PKWY

SOURCE: HILLS

STREET NOT LISTED

1975 PERIMETER PARK DR

SOURCE: HILLS

STREET NOT LISTED

1970 PARAMOUNT PKWY

SOURCE: HILLS

STREET NOT LISTED

1970 PERIMETER PARK DR

SOURCE: HILLS

STREET NOT LISTED

1967 PARAMOUNT PKWY

SOURCE: HILLS

STREET NOT LISTED

1967 PERIMETER PARK DR

SOURCE: HILLS

STREET NOT LISTED

APPENDIX 7

Historical Topographic Maps

TOPOGRAPHIC MAPS

Project Property:	Wake Tech Community College - Fire Station
	Paramount Parkway
	Morrisville NC None
Project No:	69593.003
Requested By:	Timmons Group, Inc.
Order No:	26032400823
Date Completed:	March 25, 2026

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
1943	15
1951	15
1973	7.5
1981	7.5
1987	7.5
1988	7.5
1993	7.5
2010	7.5
2013	7.5
2016	7.5
2019	7.5
2022	7.5

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

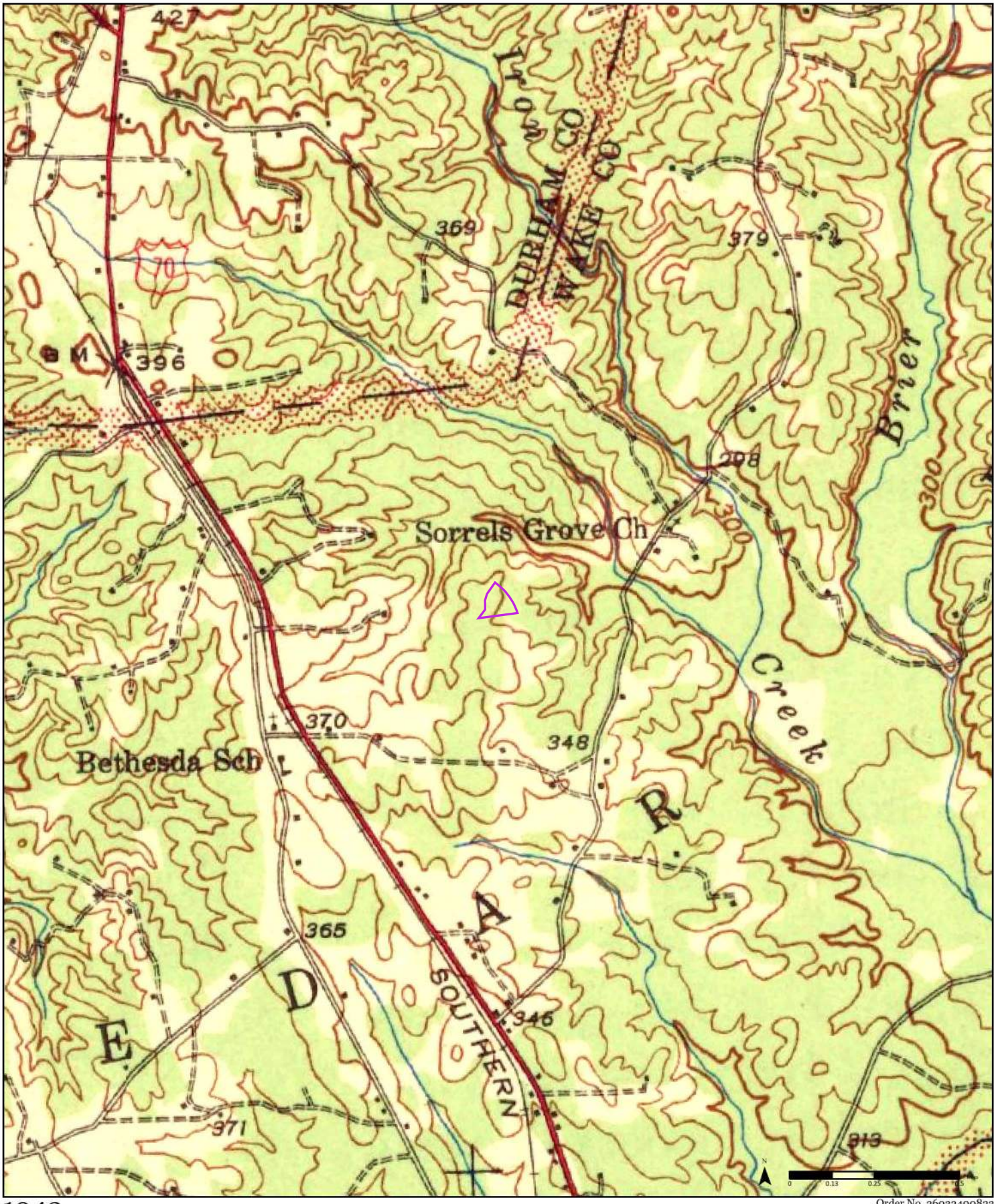
Page 130 of 1928 Topographic Instructions

1947-2009

Topographic Map Symbols

2009-present

US Topo Map Symbols



1943

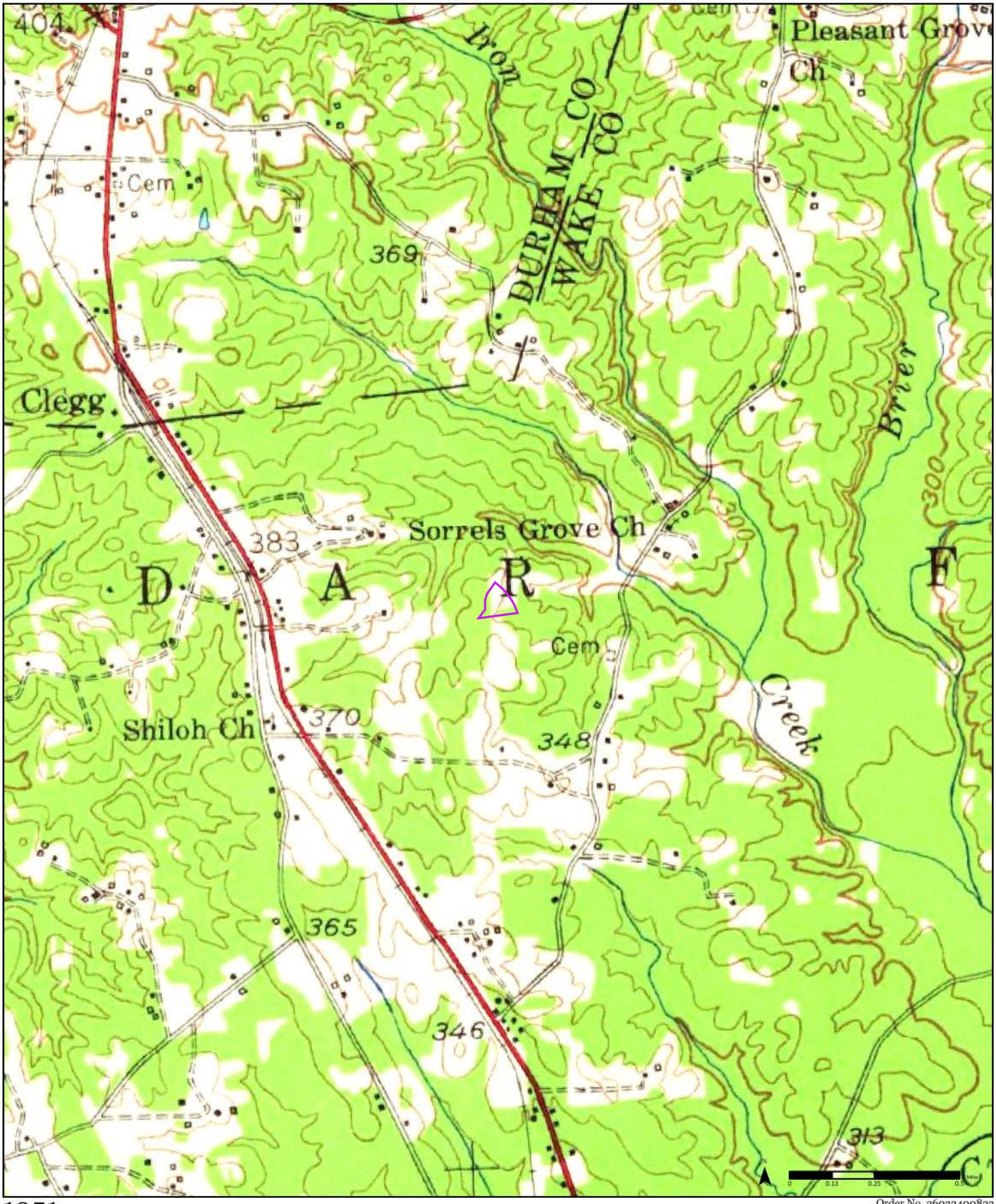
Order No. 26032400823

Available Quadrangle(s): Durham South, NC

Durham South

Source: USGS 15 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



1951

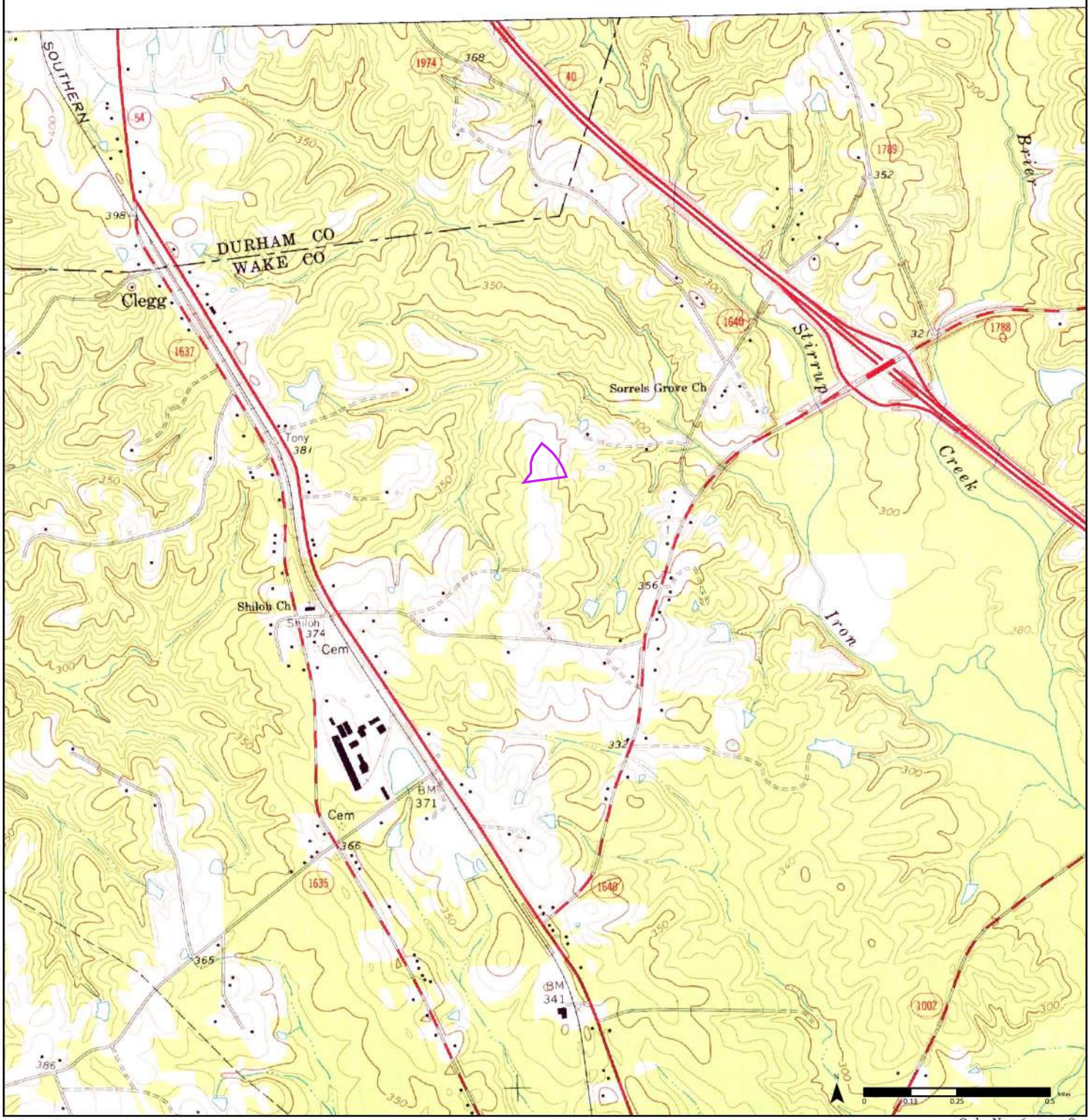
Order No. 26032400823

Available Quadrangle(s): Durham South, NC

Durham South

Source: USGS 15 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



1973 (1-1973)

Aerial Photo Year: 1972

Order No. 26032400823

Southeast Durham

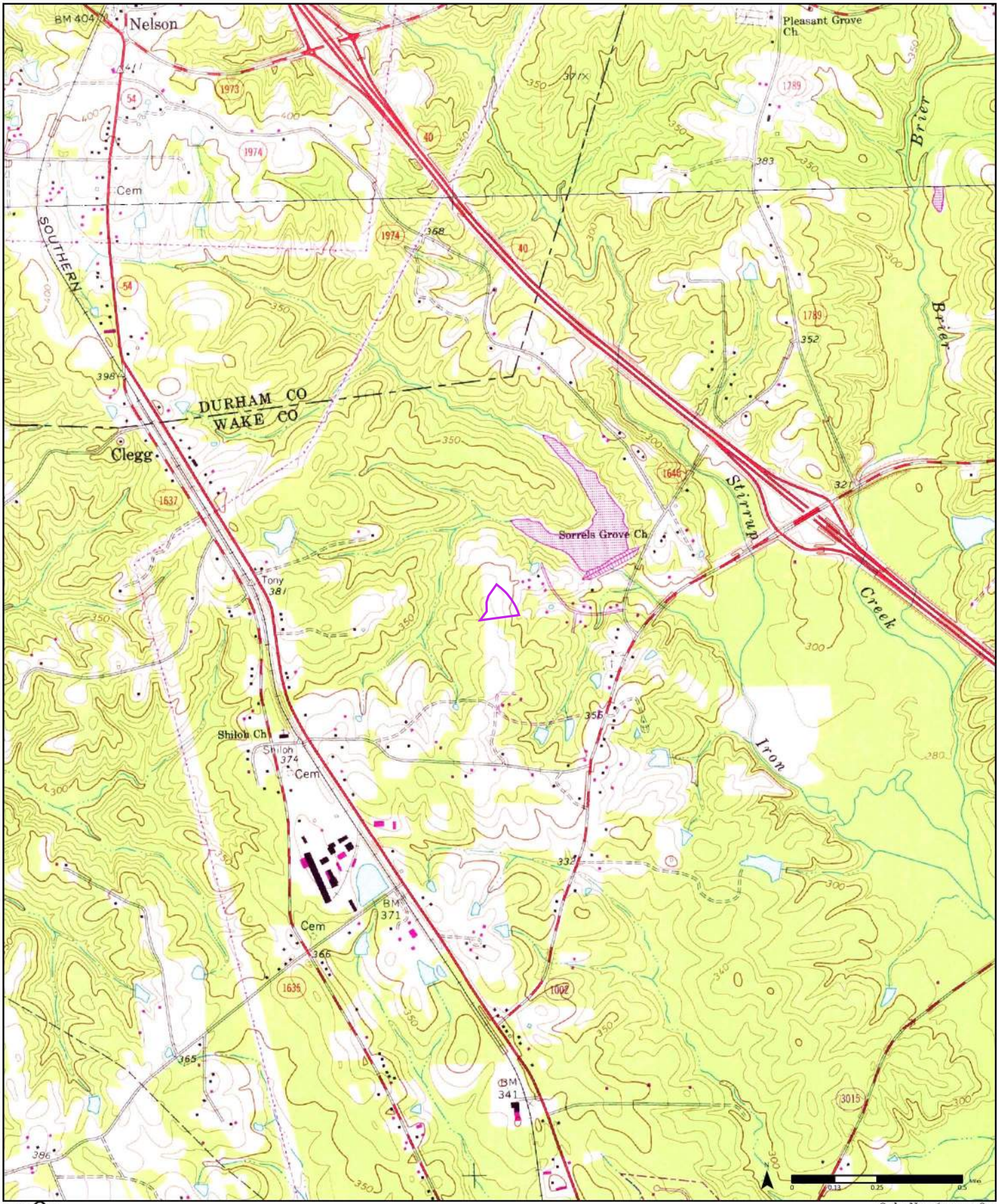
Cary

Available Quadrangle(s): Cary, NC(1-1973)

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP

YOUR VISION ACHIEVED THROUGH OURS.



1981

(1-1981) *Aerial Photo Year: 1980* *Photo Revision Year: 1981*

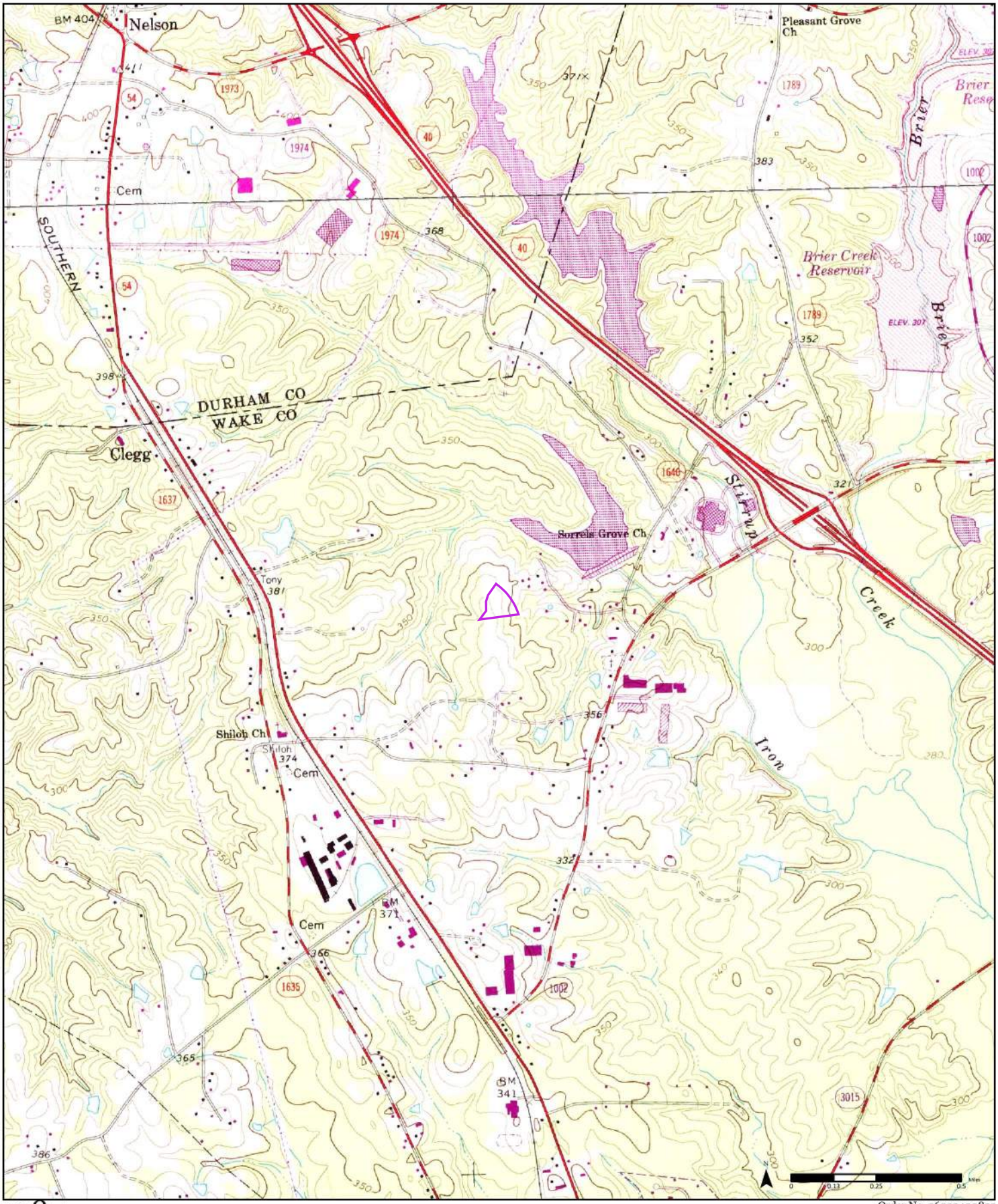
(2-1981) *Aerial Photo Year: 1980* *Photo Revision Year: 1981*

Order No. 26032400823

Available Quadrangle(s): Cary, NC(1-1981)
Southeast Durham, NC(2-1981)

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



1987

(1-1987) Aerial Photo Year: 1984 Photo Revision Year: 1987

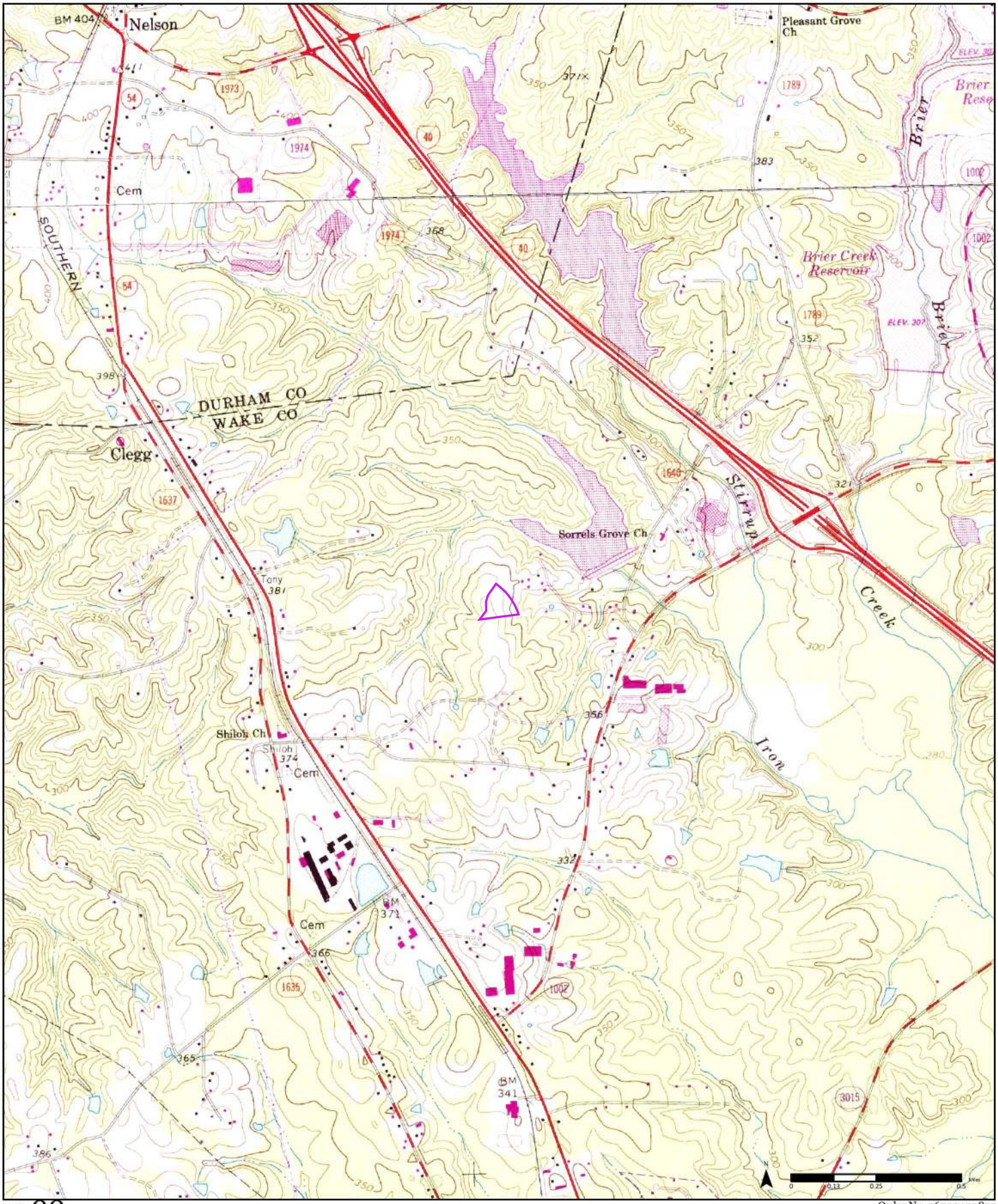
(2-1987) Aerial Photo Year: 1984 Photo Revision Year: 1987

Order No. 26032400823

Available Quadrangle(s): Cary, NC(1-1987)
Southeast Durham, NC(2-1987)

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



1988

(1-1987) Aerial Photo Year: 1984 Photo Revision Year: 1987

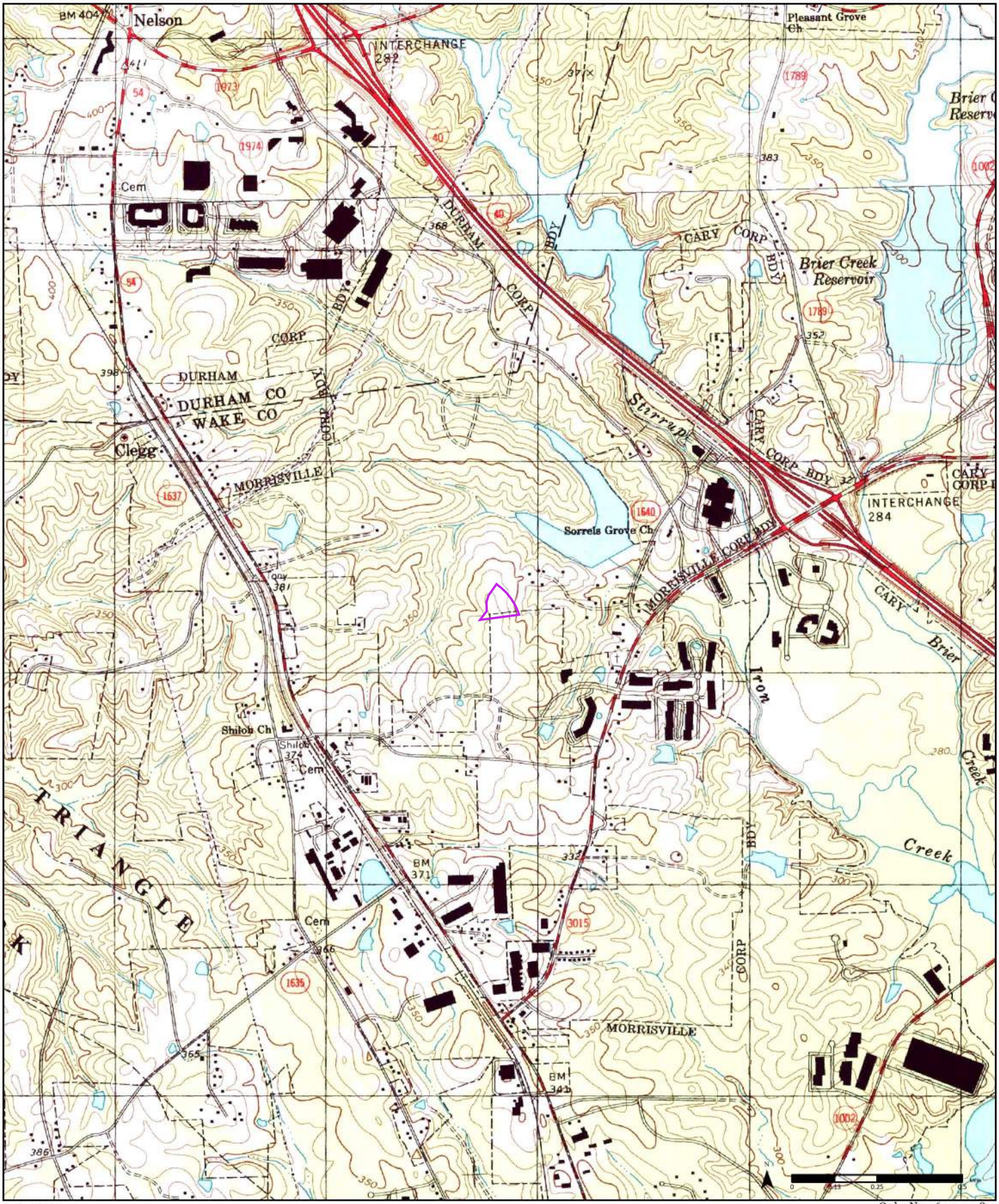
(2-1988) Aerial Photo Year: 1984 Photo Revision Year: 1987

Order No. 26032400823

Available Quadrangle(s): Cary, NC(2-1988)
Southeast Durham, NC(1-1987)

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



1993

(1-1993) Aerial Photo Year: 1993

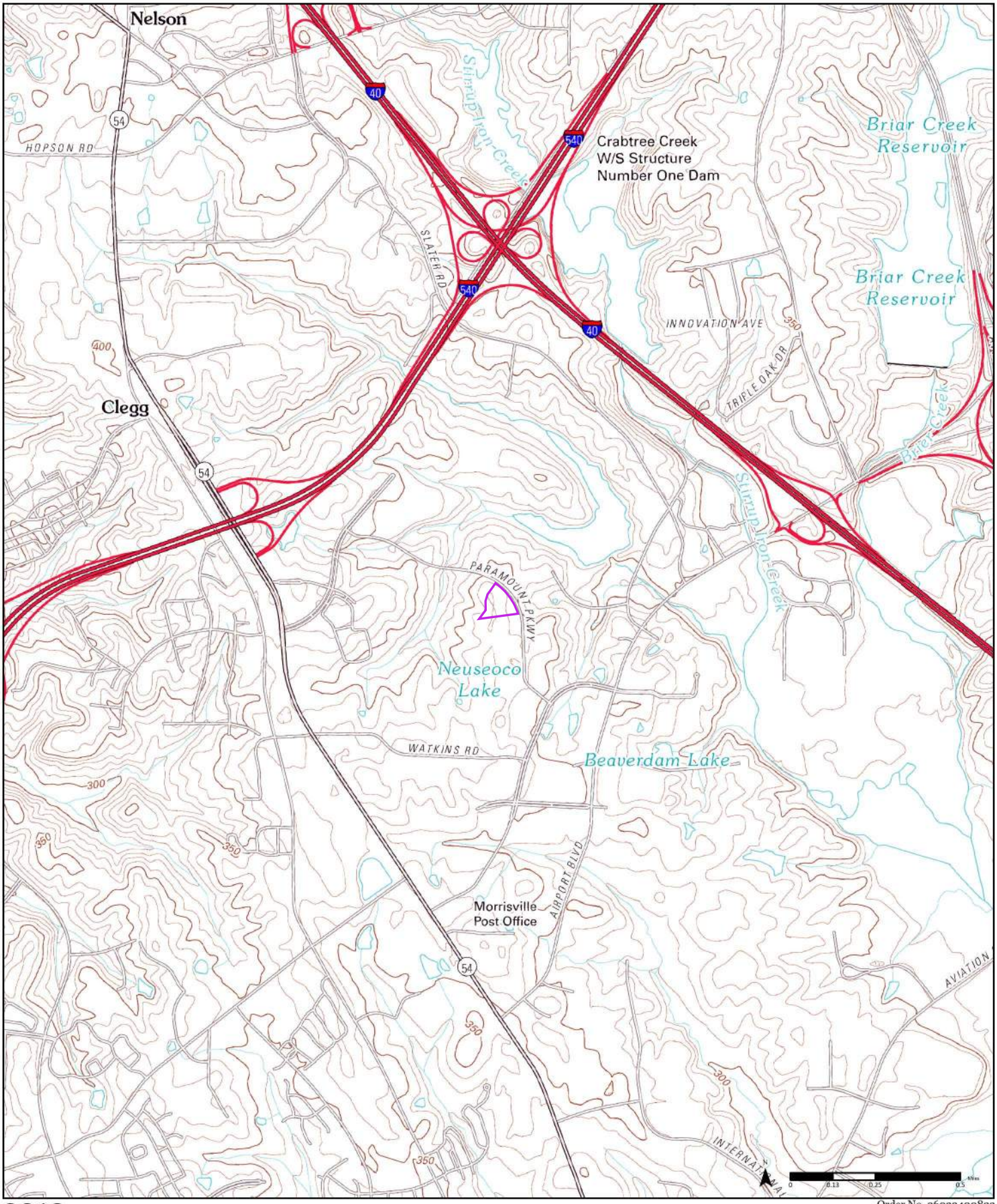
(2-1993) Aerial Photo Year: 1993

Order No. 26032400823

Available Quadrangle(s): Cary, NC(1-1993)
Southeast Durham, NC(2-1993)

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



2010

Order No. 26032400823

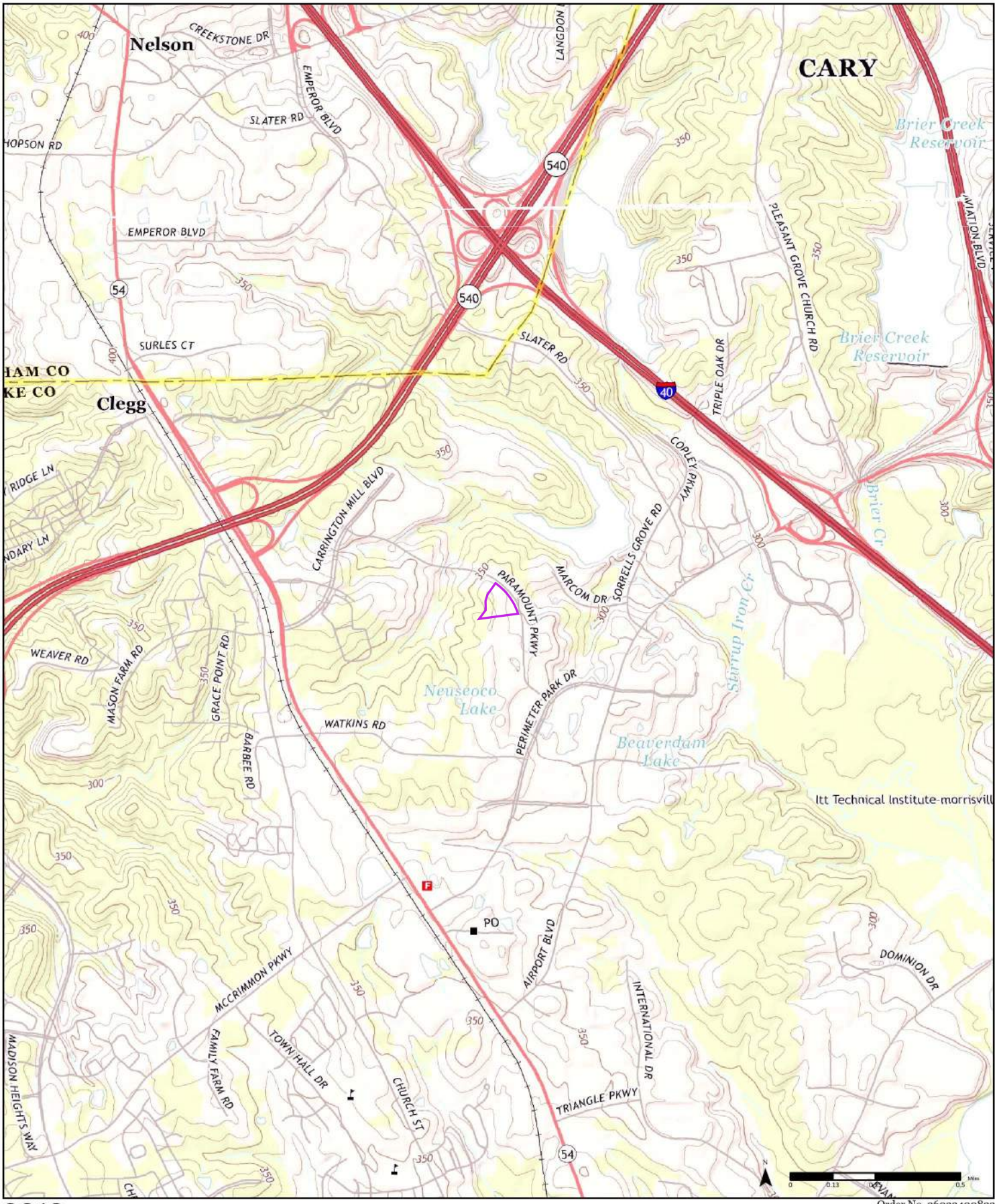
Southeast Durham

Cary

Available Quadrangle(s): Cary, NC
Southeast Durham, NC

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



2013

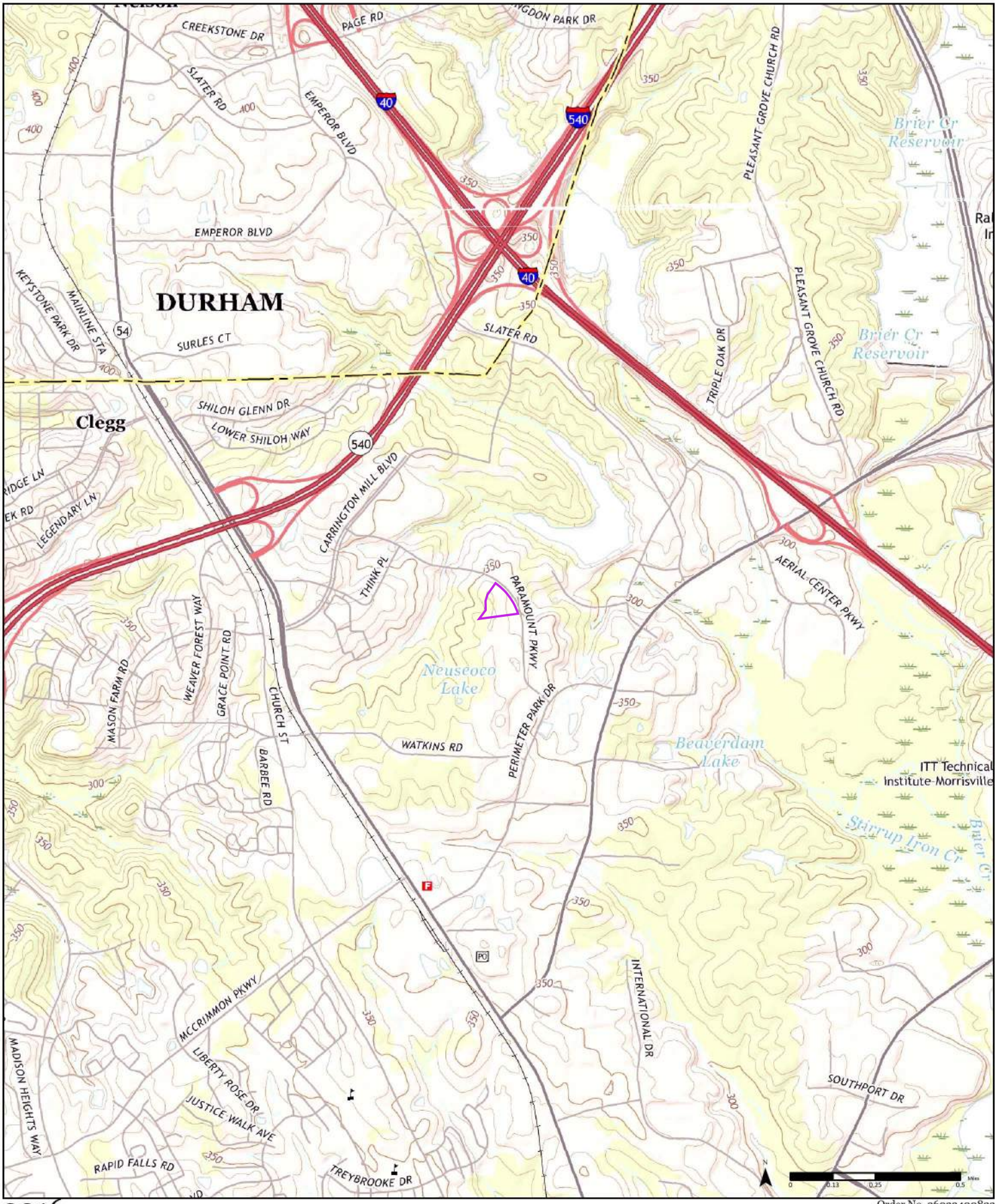
Order No. 26032400823

Southeast Durham
Cary

Available Quadrangle(s): Cary, NC
Southeast Durham, NC

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.



2016

Order No. 26032400823

Southeast Durham

Cary

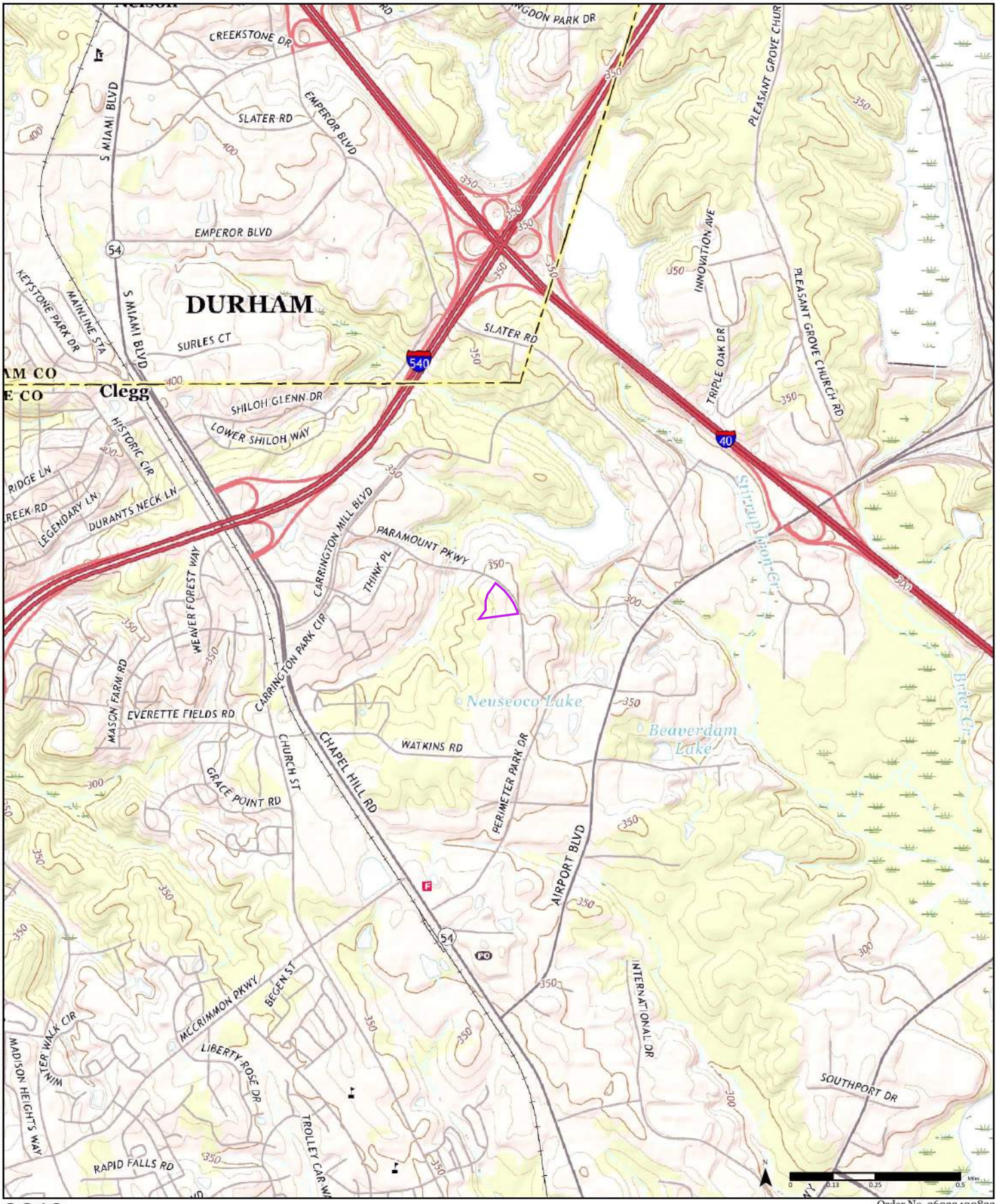
Available Quadrangle(s): Cary, NC

Southeast Durham, NC

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP

YOUR VISION ACHIEVED THROUGH OURS.



2019

Order No. 26032400823

Southeast Durham

Cary

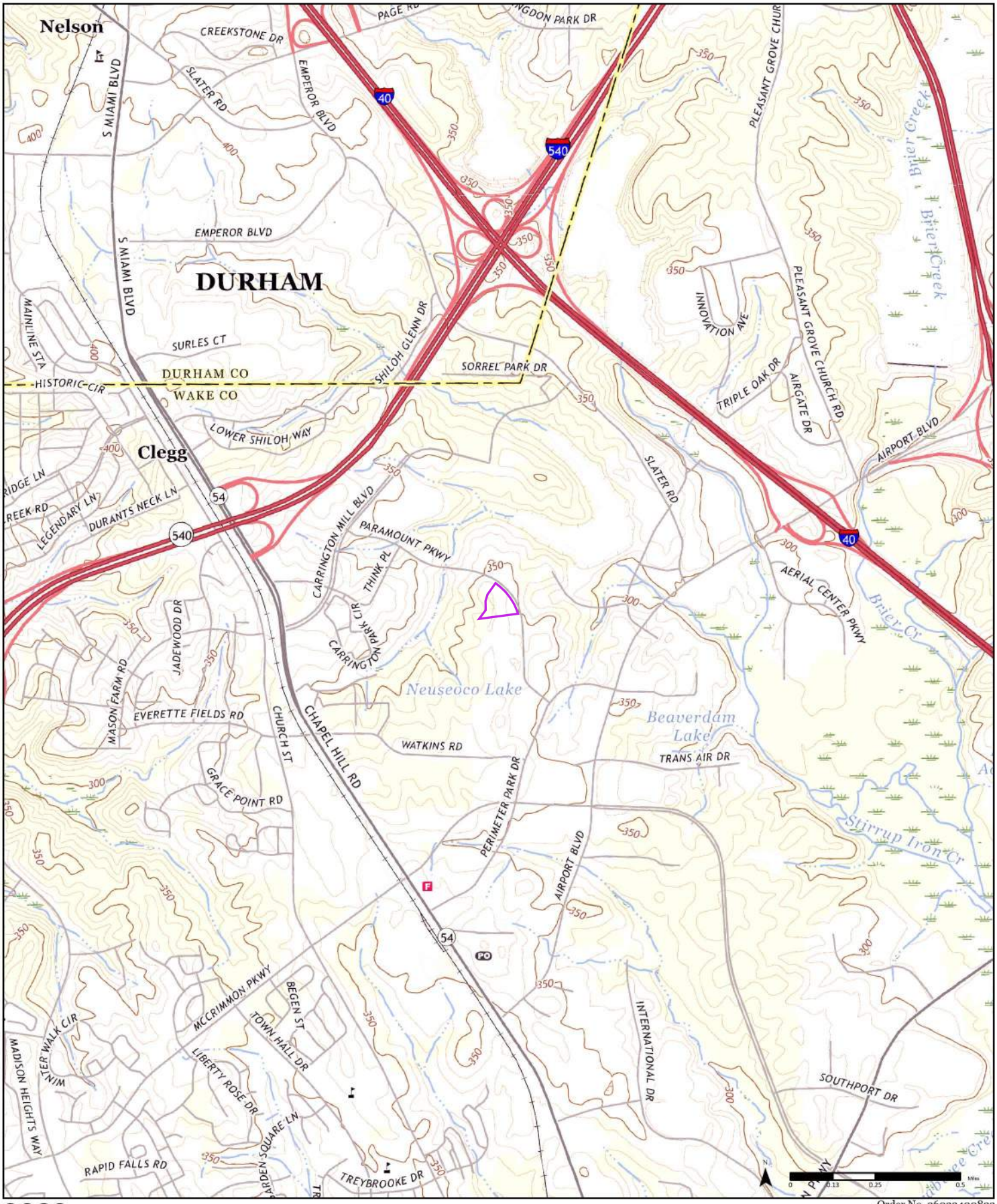
Available Quadrangle(s): Cary, NC

Southeast Durham, NC

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP

YOUR VISION ACHIEVED THROUGH OURS.



2022

Order No. 26032400823

Southeast Durham
Cary

Available Quadrangle(s): Cary, NC
Southeast Durham, NC

Source: USGS 7.5 Minute Topographic Map

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

APPENDIX 8

Historical Fire Insurance Maps

FIRE INSURANCE MAPS

Project Property: Wake Tech Community College - Fire Station
Paramount Parkway Morrisville NC
Project No: 69593.003
Requested By: Timmons Group, Inc.
Order No: 26032400823
Date Completed: March 25, 2026

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
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APPENDIX 9

Previous Reports

PHASE I ENVIRONMENTAL SITE ASSESSMENT
UNDEVELOPED WOODLANDS
433 KNOWLEDGE DRIVE
MORRISVILLE, NORTH CAROLINA
PROJECT NO. 112C09309

Prepared for

Town of Morrisville
100 Town Hall Drive
Morrisville, North Carolina 27560
Attn: Eric J. Pearson

Report Date: November 4, 2020
On-Site Date: October 8, 2020

Prepared by

Tetra Tech, Inc.
5700 Lake Wright Drive - Suite 102
Norfolk, Virginia 23502

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

1.1 General Information

Project Information:
Undeveloped Woodlands
(Future Paramount Parkway Fire Station)

Consultant Information:
Tetra Tech, Inc.
5700 Lake Wright Drive - Suite 102
Norfolk, Virginia 23502

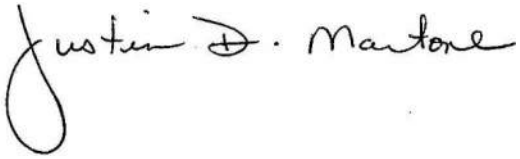
Telephone*:* (757) 461-3768
Fax: (757) 461-4148
Email: justin.martone@tetratech.com
Reconnaissance Date: October 8, 2020
Site Assessor: Justin D. Martone
Senior Reviewer: Carrie M. Kennedy, P.E.
Environmental Professional: Justin D. Martone

Site Information:
Undeveloped Woodlands
433 Knowledge Drive
Morrisville, North Carolina 27560
Wake County

Site Access Contact:
Eric J. Pearson
Capital Projects Manager
Town of Morrisville, Engineering Department
(919) 215-8125

Client Information:
Town of Morrisville
Attn: Eric J. Pearson
100 Town Hall Drive
Morrisville, North Carolina 27560
(919) 215-8125

Environmental Professional Statement:
I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in § 312.10 part of 40 Code of Federal Regulations (CFR) 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Justin D. Martone, Project Scientist III
Site Assessor/Environmental Professional

Carrie M. Kennedy, PE., Senior Engineer
Project Manager/Environmental Professional

1.2 Findings and Conclusions Summary

Tetra Tech, Inc. (Tetra Tech) has performed this Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of American Standard Test Method (ASTM) Standard Practice E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, at the undeveloped woodlands property located at 433 Knowledge Drive in Morrisville, North Carolina (hereinafter referred to as "property"). Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This project was performed under a contract with The Town of Morrisville, North Carolina Engineering Department and managed by their Capital Projects Manager (User).

The property assessed by Tetra Tech for this ESA report consisted of an approximate 2.5-acre rectangular shaped plot of land bound by Paramount Parkway, undeveloped woodlands, and commercial property. As of the issuance of this report, the client was still negotiating property specifics (i.e. property size, location, etc.) with the current landowner. According to information obtained from the Wake County Real Estate Assessment Office, the purposed property is part of a larger 92.11-acre parent parcel of land, identified as Real Estate Identification Number 0003943, consists of undeveloped woodlands and an unnamed stream, and currently owned by The Trustees of Wake Technical Community College.

According to User, this Phase I ESA was performed in support of due diligence activities related to a potential financial property transaction.

This assessment has revealed no evidence of *recognized environmental conditions (RECs), historical recognized environmental condition, controlled recognized environmental conditions (CRECs),* and/or *de minimis conditions* in connection with the property. The following table and associated descriptions summarize the findings and conclusions of this Phase I report:

FINDINGS AND CONCLUSIONS SUMMARY							
Report Section		Further Action?	De minimis Condition	REC and/or CREC	Historical REC	ASTM Non-Scope Condition	Description
4.0	**User Provided Information**	No					
5.1.1	**Federal Database Findings**	No					Koppers Company Inc. (1), located on Highway 54 approximately 0.65 miles to the SSW of the property
5.1.2	**State and Tribal Database Findings**	No					Koppers Company Inc. (1)
5.1.3	**Local Environmental Record Sources**	No					
5.3	**Historical Records Sources**	No					
6.2	**Hazardous Substance Use, Storage and Disposal**	No					
6.3	**Underground Storage Tanks**	No					
6.4	**Aboveground Storage Tanks**	No					
6.5	**Other Petroleum Products**	No					
6.6	**Polychlorinated Biphenyls (PCBs)**	No					
6.7	**Unidentified Substance Containers**	No					

FINDINGS AND CONCLUSIONS SUMMARY							
Report Section		Further Action?	De minimis Condition	REC and/or CREC	Historical REC	ASTM Non-Scope Condition	Description
6.8	Nonhazardous Solid Waste	No					
6.9	Wastewater	No					Unnamed stream onsite (2)
6.10	Waste Pits, Ponds and Lagoons	No					
6.11	Sumps and Drains	No					
6.12	Septic Systems	No					
6.13	Stormwater Management System	No					Unnamed stream onsite (2)
6.14	Wells	No					
7.0	Subsurface Vapor Migration	No					
8.0	Interviews	No					
9.1	Asbestos-Containing Material (ACM)	No					
9.2	Radon	No					
9.3	Lead in Drinking Water	No					
9.4	Lead-Based Paint (LBP)	No					
9.5	Mold Screening	No					
9.6	Additional User Requested Services	No					

1. Koppers Company Inc. was identified in the State and Tribal Hazardous Substance Disposal Site (NC HSDS), Federal National Priority List (NPL), SEMS, Resource Conservation and Recovery Act – Very Small Quantity Generator (RCRA-VSQG), US Engineering Controls, US Institutional Controls, Record of Decision (ROD), Potentially Responsible Parties (PRP), Integrated Compliance Information System (ICIS), and Superfund (CERCLA) Consent Decrees (CONSENT) federal, state, and tribal databases searched by Environmental Data Resources, Inc. (EDR) and reviewed by Tetra Tech during the course of this assessment. This site is located 0.652 miles to the south-southwest of the property.

   Based on the distance (greater than 3,700 feet) and/or presumed groundwater gradient (i.e., southeast towards Crabtree Creek), the above federal, state, and tribal database listings for Koppers Company Inc. are not expected to represent a likely past, present, material threat of release, and is not considered a *recognized environmental condition* to the purposed property.

   Given the physical setting characteristics of the Koppers Company Inc. property, presumed groundwater gradient (i.e. towards the southeast towards Crabtree Creek), current regulatory status EDR database listings, and site observations, Tetra Tech concluded that a file review was not warranted for this assessment.

2. Ground surfaces or an unnamed stream located along the western portion of the purposed property. The unnamed stream runs from south to north along the western boundary of the purposed property to a culvert located along the northwestern corner of the purposed property. The stream flows under Paramount Parkway and eventually drains into Sorrells Grove Reservoir.

1.3 Significant Data Gap Summary

The following is a summary of *significant data gaps* identified in this report.

SIGNIFICANT DATA GAP SUMMARY		
Report Section		**Description**
3.5	**Current Uses of Adjoining Properties**	No *significant data gap* identified.
4.2	**Environmental Liens or Activity and Use Limitations (AULs)**	No *significant data gap* identified.
5.1	**Standard Environmental Records**	No *significant data gap* identified.
5.2	**Physical Setting Sources**	No *significant data gap* identified.
5.3	**Historical Records Sources**	No *significant data gap* identified.
6.1	**Methodology and Limiting Conditions**	No *significant data gap* identified.
7.0	**Interviews**	No *significant data gap* identified.

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. However, according to ASTM Standard Practice E1527-13, data gaps are only significant if "other information and/or professional experience raise reasonable concerns involving the data gap."

1.4 Recommendations

Based on information collected from the Phase I ESA, Tetra Tech offers no recommendations for further action at this time.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* in connection with the property at the time of the site reconnaissance. The scope of work for this Phase I ESA may also include certain potential environmental conditions beyond the scope of ASTM Standard Practice E1527-13 as listed below. This report documents the findings, opinions and conclusions of the Phase I ESA.

2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E1527-13, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to ASTM Standard Practice E1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the property through a review of referenced sources such as topographic maps and geologic, soils and hydrologic reports.

- Usage of the property, adjoining properties and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- Observations and interviews regarding current property usage and conditions including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.

- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties in, on or at the property.

- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distance from the property.

- Potential for subsurface vapor migration in, on, or at the property as described in Section 7.0.

Non-ASTM Standard Practice E1527-13 issues were not part of this assessment. However; Tetra Tech included consideration of the following potential environmental issues or conditions that are beyond the scope of ASTM Standard Practice E1527-13:

- Radon document review, consisting of the review of published radon data with regard to the potential for elevated levels of radon gas in the surrounding area of the property. No radon sampling was conducted.

- Wetlands document review, consisting of a review of a current National Wetlands Inventory map of the surrounding area to note if the property is identified as having a wetland.

- Flood plain document review, consisting of a review of a reasonably ascertainable flood plain map of the surrounding area to note if the property is identified as being located within a flood plain.

2.3 Significant Assumption

The assumptions in this report were not considered as having significant impact on the determination of *recognized environmental conditions* associated with the property.

2.4 Limitations and Exceptions

Tetra Tech has prepared this Phase I ESA report using reasonable efforts to identify *recognized environmental conditions* associated with hazardous substances or petroleum products in, on or at the property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated* - A Phase I ESA cannot completely eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with any property.
- *Not Exhaustive* - A Phase I ESA is not an exhaustive investigation of the property and environmental conditions on such property.
- *Past Uses of the Property* - Phase I requirements only require review of standard historical sources at five-year intervals. Therefore, past uses of property at less than five-year intervals may not be discovered.

Users of this report may refer to ASTM Standard Practice E1527-13 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

Tetra Tech makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, Tetra Tech is not responsible for consequences or conditions arising from facts not fully disclosed to Tetra Tech during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by Tetra Tech's observations or other credible referenced sources reviewed during the assessment. Tetra Tech shall not be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

Tetra Tech makes no warranty, guarantee or certification regarding the quality, accuracy or reliability of any prior report provided to Tetra Tech and discussed in this Phase I ESA report. Tetra Tech expressly disclaims

any and all liability for any errors or omissions contained in any prior reports provided to Tetra Tech and discussed in this Phase I ESA report.

Tetra Tech used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the property during the assessment. “Reasonable efforts” were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of Tetra Tech.

Tetra Tech is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional Statement in Section 1.1 of this report does not “certify” the findings contained in this report and is not a legal opinion of such *Environmental Professional*. The statement is intended to document Tetra Tech’s opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the *Environmental Professional* were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E1527-13 and the scope of work for this assessment.

Per ASTM Standard Practice E1527-13, Section 6, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of *recognized environmental conditions* in connection with the property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for *Landowner Liability Protections* (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Tetra Tech makes no representations or warranties regarding a User’s qualification for protection under any federal, state or local laws, rules or regulations.

In accordance with the ASTM Standard Practice E1527-13, this report is presumed to be valid for a six-month period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard Practice 1527-13 and therefore, the entire report must be updated to reflect current conditions and property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by Town of Morrisville and any of their respective affiliates, agents, and/or advisors; any initial and subsequent holders from time to time of any debt and/or securities backed in whole or in part, directly or indirectly, by assets covered by this report; any initial and subsequent holders of any participation or beneficial interest in any such debt and/or securities; any trustee, servicer or other agent acting on behalf of holders of such debt and/or securities; any rating agencies providing ratings to any such securities; and any institutional providers from time to time of any liquidity facility or credit support for the financing of any such debt and/or securities; and their respective successors and assigns. In addition, this report and/or a reference to this report may be included or quoted in any offering circular, registration statement, prospectus or sales brochure (in either electronic or hard copy format) in connection with a securitization, syndication or similar transaction involving such debt and/or such securities.

Any other use by or distribution of this report to third parties, without the express written consent of Tetra Tech, is at the sole risk and expense of such third party.

Tetra Tech makes no other representation to any third party (not specified above) except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any such third party, either expressed or implied.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The property was identified by the Town of Morrisville (hereinafter referred to as the "client") as undeveloped woodlands located at 433 Knowledge Drive in Morrisville (Wake County), North Carolina (hereinafter referred to as the "purposed property"). A Site Vicinity Map and Site Plan detailing the purposed property boundaries and pertinent features are included in Appendix A**,** and Site Photographs are provided in Appendix B.

The purposed property assessed by Tetra Tech for this ESA report consisted of an approximate 2.5-acre rectangular shaped plot of land bound by Paramount Parkway, undeveloped woodlands, and commercial property. As of the issuance of this report, the client was still negotiating property specifics (i.e. property size, location, etc.) with the current landowner. According to information obtained from the Wake County Real Estate Assessment Office, the purposed property is part of a larger 92.11-acre parent parcel of land, identified as Real Estate Identification Number 0003943, consists of undeveloped woodlands and an unnamed stream, and currently owned by The Trustees of Wake Technical Community College.

A legal description of the property was included in the Environmental Lien Search Report prepared by EDR and is included in Appendix F. Also, a copy of the Wake County Real Estate Assessment Office documentation is provided in Appendix K.

3.2 Surrounding Area General Characteristics

Tetra Tech personnel performed limited visual observations of the surrounding properties with the intent to evaluate areas of potential environmental risk to the purposed property resulting from adjacent site activities.

The purposed property is located in an urban area characterized primarily by undeveloped woodlands and commercial and residential usages. The purposed property is bordered to the north by Paramount Parkway followed by undeveloped woodlands; northeast by Paramount Parkway followed by commercial property; east by undeveloped woodlands; southeast by undeveloped woodlands followed by commercial property; south by undeveloped woodlands and a seasonal stream; southwest and west by undeveloped woodlands and commercial property; and northwest by Paramount Parkway followed by commercial property. A detailed listing of adjoining properties is provided in Section 3.5.

3.3 Current Use of the Property

The purposed property is currently part of a larger 92.11-acre parent parcel of land and encompasses approximately 2.5-acres of land along the northwestern corner of the parent parcel. The purposed property consisted of undeveloped woodlands and an unnamed stream at the time of this assessment. A Site Plan is located in Appendix A.

3.4 Description of Property Improvements

The following table provides general descriptions of the purposed property improvements.

PROPERTY IMPROVEMENTS	
Size of Property (approximate)	Approximately 2.5 acres of undeveloped woodlands.
General Topography of Property	Rolling hills, regional topography slopes towards the northeast.
Adjoining and/or Access/Egress Roads	Paramount Parkway provides access/egress from the north.
Paved or Concrete Areas (including parking)	None.
Unimproved Areas	Purposed property consists of undeveloped woodlands.
Landscaped Areas	None.
Surface Water	An unnamed stream runs from south to north along the western boundary of the purposed property to a culvert located along the northwestern corner of the purposed property. The stream flows under Paramount Parkway and eventually drains into Sorrells Grove Reservoir.
Potable Water Source	None.
Sanitary Sewer Utility	None.
Storm Sewer Utility	None.
Electrical Utility	None.
Natural Gas Utility	None.
Current Occupancy Status	0 % - Undeveloped Woodlands.
Unoccupied Buildings/Spaces/Structures	None - purposed property consists of undeveloped woodlands and an unnamed stream.
Number of Occupied Buildings	None.
Building Name or General Building Description	Not Applicable.
Number of Floors	Not Applicable.
Total Square Feet of Space	Not Applicable.
Construction Completion Date (year)	Not Applicable.
Construction Type	Not Applicable.
Interior Finishes Description	Not Applicable.
Exterior Finishes Description	Not Applicable.
Cooling System Type	Not Applicable.
Heating System Type	Not Applicable.
Emergency Power	Not Applicable.

3.5 Current Uses of Adjoining Properties

Current uses of the adjoining properties were observed to be as follows:

Direction from Property	Address	Occupant(s) Name	Current Use	Potential Environmental Conditions
North	Unknown Unknown	Paramount Parkway Unknown	Paramount Parkway Undeveloped woodlands	None None
Northeast	Unknown 4200 Paramount Parkway	Paramount Parkway Charter Communications	Paramount Parkway Commercial	None None
East	433 Knowledge Drive	Undeveloped woodlands	Undeveloped woodlands	None
Southeast	433 Knowledge Drive	Undeveloped woodlands	Undeveloped woodlands	None
South	433 Knowledge Drive	Undeveloped woodlands	Undeveloped woodlands and a seasonal stream	None
Southwest	1025 Think Place	UNC Health Care	Commercial	None
West	5221 Paramount Parkway	UNC Health Care Conference Center	Commercial	None
Northwest	5180 Paramount Parkway Unknown	Paramount Event Venue Mills Spring Greenway	Commercial Walking Trail	None None

Regulatory database listings (if any) associated with adjoining property addresses are discussed in Sections 5.1.1 and 5.1.2.

4.0 USER PROVIDED INFORMATION

The following section summarizes information provided by the Town of Morrisville (User) with regards to this Phase I ESA. User provided documentation may be found in Appendix C or where referenced in this report.

4.1 Title Records

The User provided no title records information. The acquisition of a chain-of-title report was not a part of the scope of services for this ESA. However; for information pertaining to currently ownership of the purposed property refer to Section 5.3.4.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

The User provided no information regarding property environmental liens or activity and use limitations. However; details concerning Environmental Liens or Activity and Use Limitations are provided in Section 5.3.4.

4.3 Specialized Knowledge or Experience of the User

The User provided no specialized knowledge regarding *recognized environmental conditions* associated with the purposed property.

4.4 Significant Valuation Reduction for Environmental Issues

The User provided no information regarding a significant valuation reduction for environmental issues associated with the purposed property.

4.5 Owner, Property Manager and Occupant Information

The User identified the purposed property as approximately 2.5-acres of undeveloped woodlands located along the northwestern corner of a larger tract of land currently owned by The Trustees of Wake Technical Community College and located at 433 Knowledge Drive in Morrisville, North Carolina.

4.6 Reason for Performing Phase I ESA

According to User, this Phase I ESA was performed in support of due diligence activities related to a potential financial property transaction.

4.7 Other User Provided Documents

Per the ASTM Standard Practice E 1527-13, Tetra Tech requested and obtained documents from the User. Further discussion may be found in Section 5.3.9 and other relevant sections of this report.

USER PROVIDED DOCUMENTS		
Title	**Date**	**Author and/or Source**
ASTM 1527-013 User-Provided Information Questionnaire	October 20, 2020	Completed by Eric Pearson of the Town of Morrisville.

A copy of the User Questionnaire is included in Appendix C.

5.0 RECORDS REVIEW

5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by EDR of Shelton, Connecticut, was reviewed for information regarding reported use or release of hazardous substances and petroleum products on or near the property. Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient for *recognized environmental condition (REC)*, *controlled recognized environmental condition (CREC)*, *historical recognized environmental condition (HREC)* or *de minimis condition* determinations without conducting supplemental agency file reviews. Tetra Tech also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence but are potentially in the general area of the property, based on the partial street address, city, or zip code. Any unmappable site that was identified by Tetra Tech as being within the approximate minimum search distance from the property, based on the site reconnaissance and/or cross-referencing to mapped listings is included in the discussion within this section. The complete regulatory agency database report may be found in Appendix D.

The following is a summary of the findings of the database review.

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed?**	**# Sites Listed**
Federal National Priority List (NPL)	1 mile	No	1
Federal Delisted NPL	½ mile	No	0
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List	½ mile	No	0
Federal CERCLIS No Further Remedial Action Planned (NFRAP) Sites	½ mile	No	0
Federal Resource Conservation and Recovery Act (RCRA), Corrective Action (CORRACTS) Facilities	1 mile	No	0
Federal RCRIS non- CORRACTS Treatment, Storage, and Disposal Facilities (TSDF)	½ mile	No	0
Federal RCRA (VSQG) Generators	¼ mile	No	1
Federal RCRA (SQG & LGQ) Generators	¼ mile	No	0
Federal RCRA (Non-Gen) Generators	¼ mile	No	0
Federal Institutional Control/Engineering Control Registry	Property	No	0
Federal Emergency Response Notification System (ERNS) List	Property	No	0
Federal Facility Index System (FINDS) List	Property	No	0
State and Tribal Hazardous Substance Disposal Site (NC HSDS)	1 mile	No	1
State and Tribal Financial Assurance	Property	No	0
State and Tribal State Hazardous Waste Sites (SHWS)	1 mile	No	1
State and Tribal Landfill or Solid Waste Disposal (SWF/LF) Sites	½ mile	No	0
State and Tribal Registered Underground Storage Tanks (UST)	¼ mile	No	0
State and Tribal Registered Aboveground Storage Tanks (AST)	¼ mile	No	0
State and Tribal Leaking Underground Storage Tank (LUST) Sites	½ mile	No	1

SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS			
Regulatory Database	**Approx. Minimum Search Distance**	**Property Listed?**	**# Sites Listed**
State and Tribal Historical Leaking Tanks (LTANKS)	½ mile	No	0
State and Tribal Institutional Control Registry	½ mile	No	0
State and Tribal Engineering Control Registry	½ mile	No	0
State and Tribal Voluntary Cleanup Program (VCP) Sites	½ mile	No	0
State and Tribal Brownfield Sites	½ mile	No	0
State and Tribal Recycling (SWRCY) Sites	½ mile	No	0
State and Tribal Land Restoration Program (LRP) Sites	½ mile	No	0
North Carolina IMD	½ mile	No	1
Local Historical Underground Storage Tanks (HIST UST)	¼ mile	No	0
Department of Defense (DOD) Sites	1 mile	No	0
Record of Decision (ROD)	1 mile	No	1
Superfund (CERCLA) Consent Decrees (CONSENT)	1 mile	No	1
Pennsylvania Manifest (PA MANIFEST) Sites	¼ mile	No	0
EDR Historical Drycleaners	¼ mile	No	0
EDR Historical Auto Stations	¼ mile	No	0
Manufactured Gas Plants	1 mile	No	0

5.1.1 Federal Agency Database Findings

The purposed property was not identified in the state and tribal databases searched by EDR and reviewed by Tetra Tech for this assessment. See below for information pertaining to a federal agency database potential site of concern known as Koppers Company Inc.

5.1.2 State and Tribal Database Findings

The purposed property was not identified in the state and tribal databases searched by EDR and reviewed by Tetra Tech for this assessment. See below for information pertaining to a state and tribal agency database potential site of concern known as Koppers Company Inc. This site is located 0.652 miles to the south-southwest of the property.

Koppers Company Inc. was identified in the NC HSDS, NPL, SEMS, RCRA-VSQG, US Engineering Controls, US Institutional Controls, ROD, Potentially Responsible Parties (PRP), Integrated Compliance Information System (ICIS), and Superfund (CERCLA) Consent Decrees (CONSENT) federal, state, and tribal databases searched by EDR and reviewed by Tetra Tech during the course of this assessment.

Based on distance (greater than 3,700 feet) and/or presumed groundwater gradient (i.e., southeast towards Crabtree Creek), the above federal, state, and tribal database listings for Koppers Company Inc. are not expected to represent a likely past, present, material threat of release, and is not considered a *recognized environmental condition* to the purposed property.

Given the physical setting characteristics of the Koppers Company Inc. property, presumed groundwater gradient (i.e. towards the southeast towards Crabtree Creek), current regulatory status EDR database

listings, and site observations, Tetra Tech concluded that a file review was not warranted for this assessment.

Based on distance (greater than 1,000 feet), topography, assumed groundwater gradient (i.e. towards the northeast), current regulatory status, and/or the absence of reported releases, none of the remaining sites listed in the state and tribal agency databases searched are considered to represent a likely past, present or material threat of release in, on, or at the purposed property.

5.1.3 Orphan Summary

The database report included a section entitled “Orphan Summary.” The locations of the facilities listed in this section cannot be mapped due to incomplete or inaccurate information. Tetra Tech reviewed this section and compared the names and addresses with information generated during the site visit. None of the sites listed in the orphan summary are considered to represent a likely past, present or material threat of release to the purposed property.

5.1.4 Local Environmental Records Sources

Wake County Environmental Services Department

Tetra Tech spoke with Mr. Terry Mc Neill of the Wake County Environmental Services Department on October 13, 2020. According to Mr. McNeil, the Wake County Environmental Services Department has no recorded environmental complaints or incidents on file for the property. Mr. McNeil also confirmed that there are no known wells or septic systems on the purposed property.

Wake County Fire Marshal’s Office

Tetra Tech spoke with Mr. Charles Eldridge of the Wake County Fire Marshal Office on October 6, 2020. According to Mr. Eldridge, the Wake County Fire Marshal Office has no open permits, issues, outstanding code violation records, or complaints on file pertaining to the purposed property. Consequently, there are no records to be released in response to Tetra Tech’s request.

Town of Morrisville Planning & Zoning Department

Tetra Tech spoke with Mr. Christopher Lawson of the Town of Morrisville Planning Department on October 6, 2020. According to Mr. Lawson, the purposed property is currently zoned OICU (Conditional Office and Institutional). No other historical zoning information was provided.

Town of Morrisville Building Inspection Department

Tetra Tech spoke with Mr. Christopher Lawson of the Town of Morrisville Planning Department on October 6, 2020. According to Mr. Lawson, due to its’ undeveloped nature, the Town of Morrisville has no permits, issues, outstanding code violation records, or complaints on file pertaining to the purposed property. Consequently, there are no records to be released in response to Tetra Tech’s request.

Water Utility

According to interviews, site observations, and review of the Wake County Real Estate Assessor’s Office records, due to its’ undeveloped nature, the purposed property is not currently connected to a potable water service. However; the Town of Cary currently provides potable water service to the surrounding areas and can be connected to the purposed property once developed.

Sewer Utility

According to interviews, site observations, and review of the Wake County Real Estate Assessor's Office records, due to its' undeveloped nature, the purposed property is not currently connected to a sewer service. However; the Town of Cary currently provides sanitary sewer service to the surrounding areas and can be connected to the purposed property once developed.

Electrical Utility

According to interviews, site observations, and review of the Wake County Real Estate Assessor's Office records, due to its' undeveloped nature, the purposed property is not currently connected to an electric service. However; Duke Energy currently provides electric service to the surrounding areas and can be connected to the purposed property once developed.

Natural Gas Utility

According to interviews, site observations, and review of the Wake County Real Estate Assessor's Office records, due to its' undeveloped nature, the purposed property is not currently connected to a natural gas service. However; Dominion Energy - North Carolina currently provides natural gas service to the surrounding areas and can be connected to the purposed property once developed.

Other Local Environmental Records Sources

No additional local environmental records sources were reviewed by Tetra Tech during the course of this assessment. Records of Communication are included in Appendix I.

5.2 Physical Setting Sources

5.2.1 Topography

According to the United States Geologic Survey (USGS) *Cary, North Carolina* 7.5-Minute Topographic Quadrangle dated 2013; the purposed property is located in an area consisting of gently rolling hills and an approximate elevation of 323 feet above mean sea level (MSL). The surface drainage at the purposed property is expected to be primarily to the northeast towards an unnamed lake located approximately ¼-mile northeast of the purposed property. A copy of the topographic map is included as Figure 1 in Appendix A.

5.2.2 Geology

According to the North Carolina Geological Survey dated 1985, the purposed property is located in the Town of Morrisville, North Carolina. The Town of Morrisville is located in the northeast central region of North Carolina, where the North American Piedmont and Atlantic Coastal Plain regions meet. This area is known as the "Fall Line" because it marks the elevation inland at which waterfalls begin to appear in creeks and rivers. As a result, most of Morrisville features gently rolling hills that slope eastward toward the state's flat coastal plain

More specifically, the property is underlain by the Chatham Group, Undivided. The Chatham Group, Undivided is characterized by conglomerate, fanglomerate, sandstone, and mudstone. Conglomerate and fanglomerate shown by pattern.

It should be noted that shallow soils beneath the property may have been altered to facilitate present-day development. As such, a subsurface soil evaluation would need to be conducted to verify actual soil types and conditions. More specific site geology would require a subsurface soil evaluation to verify actual soil types and conditions. Such an evaluation was beyond the scope of this assessment.

5.2.3 Soils

According to information supplied by EDR obtained from the United States Department of Agriculture (USDA), the soil in the vicinity of the purposed property is classified as Creedmoor Sandy Loam. Creedmoor Sandy Loam is a Class C soil. Creedmoor Sandy Loam soils do not typically meet the requirements for a hydric soil, have moderately fine or fine textures, have layers that impede the downward movement of water, and have slow infiltration rates.

5.2.4 Hydrology

Based on the review of the USGS topographic map and the Geologic Map of North Carolina, shallow groundwater in the vicinity of the purposed property is estimated at a depth greater than 6 feet below ground surface. Groundwater flow direction in the area of the purposed property is expected to be to the northeast towards an unnamed lake and may be subparallel to surface drainage patterns. However, it must be noted that groundwater flow directions can only be accurately evaluated through the installation and survey of groundwater monitoring wells.

Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations, none of which were considered for this assessment.

5.2.5 Other Physical Setting Sources

Flood Plain Map

According to information supplied by Federal Emergency Management Agency (FEMA) website obtained from the FEMA Flood Insurance Rate Map (FIRM) for the property and surrounding areas (panel number 3720074600J dated May 2, 2006), the purposed property is located within FEMA Zone X, which is defined as follows:

- Zone X - is described as areas outside the 1-percent annual chance floodplain, areas of 1% annual chance sheet flow flooding where average depths are less than 1 foot, areas of 1% annual chance stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 1% annual chance flood by levees.

A copy of the FEMA FIRM map is provided as Appendix K.

Wetlands Map

According to a review of the United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) database (http://wetlandsfws.er.usgs.gov/), there are freshwater forested shrub wetlands located on the purposed property. The freshwater forested shrub wetlands make up the onsite stream which runs along the western boundary/portion of the purposed property. The NWI database further classifies the onsite stream as palustrine, scrub-shrub, broad-leaved deciduous, and temporary flooded wetlands (PSS1A). A copy of the EDR interactive map which includes wetlands is included in the EDR Radius Map Report in Appendix D, and a copy of the NWI Map is included in Appendix K.

5.3 Historical Records Sources

The following table summarizes the findings of the research presented below pertaining to historical purposed property and surrounding area uses.

HISTORICAL USE SUMMARY				
Period	**Identified Historical Uses**		**Source(s)**	**Intervals/Comments**
	Property	**Surrounding Area**		
Prior to 1940	Undeveloped land and woodlands	Undeveloped land and woodlands	1938 & 1940 Aerial Photographs	Data Gap/records not available in five-year increments, but no changes in use anticipated
1941-1960	Undeveloped woodlands	Undeveloped woodlands	1943 & 1951 Topographic Maps 1949, 1950 & 1959 Aerial Photograph	Data Gap/records not available in five-year increments, but no changes in use anticipated
1961-1980	Undeveloped woodlands	Undeveloped woodlands	1973 Topographic Map 1961, 1964 & 1972 Aerial Photographs 1967, 1970, 1974 & 1979 City Directories	Data Gap/records not available in five-year increments, but no changes in use anticipated
1981 - 2000	Undeveloped woodlands	Undeveloped woodlands	1981, 1987, 1988 & 1993 Topographic Maps 1981, 1983 & 1993 Aerial Photographs 1983, 1989, 1992, 1995 & 2000 City Directories	Data Gap/records not available in five-year increments, but no changes in use anticipated
2001 to Present	Undeveloped woodlands	Undeveloped woodlands Paramount Parkway and commercial properties 1st appear starting in 2006.	2002 & 2013 Topographic Maps 2006, 2009, 2012 & 2016 Aerial Photographs 2005, 2010, 2014 & 2017 City Directories Local Regulatory Review Interviews	Data Gap/records not available in five-year increments, but no changes in use anticipated

ASTM Standard E 1527-13 requires review of historical use resources at approximately 5-year intervals. Since gaps in data occur at greater than 5-year intervals, data failure occurs relative to the standard requirements. However, based on the agreement of multiple historical sources concerning prior purposed property use, Tetra Tech does not consider the data gaps to be significant.

As such, the requirements of ASTM Standard Practice E 1527-13 §8.3.2.1 and §8.3.2.2 have been satisfied and, as stated in ASTM Standard Practice E 1527-13 §8.3.2.3, the historical research is considered complete.

The historical use research conducted during this Phase I ESA did not identify past uses indicating *recognized environmental conditions* at the purposed property or surrounding area.

5.3.1 Aerial Photographs

Tetra Tech reviewed available aerial photographs of the purposed property and surrounding areas provided by EDR. Available photographs ranged from 1938 to 2016. The following are descriptions and interpretations from the aerial photograph review.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Scale**	**Comments**
1938, 1940 & 1949	1"- 500'	**Property**: Undeveloped land and woodlands **Surrounding Area**: Undeveloped land and woodlands
1950, 1959, 1961, 1964, 1972, 1981 & 1983	1"- 500'	**Property**: Undeveloped woodlands **Surrounding Area**: Undeveloped woodlands
2006	1"- 500'	**Property**: Undeveloped woodlands **Surrounding Area**: Paramount Parkway, undeveloped woodlands, and commercial properties. Paramount Parkway 1st appears.
2009	1"- 500'	**Property**: Undeveloped woodlands **Surrounding Area**: Paramount Parkway, undeveloped woodlands, and commercial properties.
2012	1"- 500'	**Property**: Undeveloped woodlands **Surrounding Area**: Paramount Parkway, undeveloped woodlands, and commercial properties.
2016	1"- 500'	**Property**: Undeveloped woodlands **Surrounding Area**: Paramount Parkway, undeveloped woodlands, and commercial properties.

The review of aerial photographs did not identify past uses indicating *recognized environmental conditions* at the purposed property and or surrounding area. Copies of reproducible aerial photographs are included in Appendix E.

5.3.2 Fire Insurance Maps

Tetra Tech attempted to review Certified Sanborn Maps; however, no Sanborn Maps were provided by EDR. Based on the location of the purposed property and historical land usage it is unlikely Sanborn Maps were ever prepared for the purposed property or surrounding areas. A copy of the "No Coverage" letter provided by EDR is included in Appendix F.

5.3.3 Property Tax Files

Tetra Tech reviewed available tax file information obtained from EDR and the Wake County Real Estate Assessor's Office for historical ownership information on the property. According to the tax records, the current owner of the property is The Trustees of Wake Technical Community College. No other historical purposed property information was provided. A copy of the Wake County Real Estate Assessor's Office documentation is provided in Appendix K.

5.3.4 Recorded Land Title Records

The acquisition of land title records was beyond the scope of work associated with this ESA. However, Tetra Tech was contracted to conduct a review for environmental liens and AULs. Tetra Tech contracted with Environmental Data Resources (EDR) in Shelton, Connecticut to provide information regarding these

issues. EDR identified the current owner as The Trustees of Wake Technical Community College. The Trustees of Wake Technical Community College acquired the land from Morrisville Land Acquisition Group, LLC on December 14, 2011. According to the EDR Environmental Lien Search Report, no records of environmental liens against the purposed property were identified.

The Environmental Lien Search Report further states that no records of AULs for the purposed property were identified. The review of EDR's Environmental Lien Search Report did not reveal environmental liens or AULs recorded for the purposed property. A copy of EDR's Environmental Lien Search Report is included in Appendix F.

5.3.5 Historical USGS Topographic Maps

Tetra Tech reviewed available historic USGS Topographic Quadrangles provided by EDR for information regarding past uses of the purposed property and surrounding area. The USGS Topographic Quadrangles for *Cary, North Carolina* dated 1973, 1981, 1988, 1993, 2002, and 2013 and *South Durham, North Carolina* dated 1943, 1951, and 1987 were reviewed. The purposed property appeared to be undeveloped in each of the historical topographic maps reviewed. The surrounding areas appeared developed with commercial structures in the 2002 *Cary, North Carolina* and undeveloped in each of the other above mentioned historical topographic maps reviewed. A copy of the historical topographic maps is included in Appendix F.

5.3.6 City Directories

Research regarding the availability of historical city directories was provided by EDR. The available historical directories, dated 1967, 1970, 1974, 1979, 1983, 1989, 1992, 1995, 2000, 2005, 2010, 2014, and 2017 were reviewed for information regarding past uses indicating *recognized environmental conditions* at the purposed property and surrounding area. The property address was not listed in any of the city directories reviewed. The surrounding properties were either not listed or listed as various commercial properties in the 2005, 2010, 2014, and 2017 directories reviewed.

The review of city directories did not reveal past uses indicating *recognized environmental conditions* at the purposed property and surrounding areas. The City Directory Report is located in Appendix F.

5.3.7 Building Department Records

Tetra Tech spoke with Mr. Christopher Lawson of the Town of Morrisville Planning Department on October 6, 2020. According to Mr. Lawson, due to its' undeveloped nature, the Town of Morrisville has no permits, issues, outstanding code violation records, or complaints on file pertaining to the purposed property. Consequently, there are no records to be released in response to Tetra Tech's request.

5.3.8 Zoning/Land Use Records

Tetra Tech spoke with Mr. Christopher Lawson of the Town of Morrisville Planning Department on October 6, 2020. According to Mr. Lawson, the purposed property is currently zoned OICU (Conditional Office and Institutional). No other historical zoning information was provided.

5.3.9 Prior Reports

The following historical documentation associated with the purposed property was provided for Tetra Tech to review by the current property owner during the course of this assessment.

Phase II Limited Environmental Site Assessment, prepared for Granite Development by Withers & Ravenel (W&R), dated May 25, 2005 – Assessment activities were completed to assess soil conditions in areas of the parent parcel containing ASTs and containers with petroleum as well as several tobacco barns. According to this report, the parent parcel covered ~85.92 total acres and included the 2.5 acre purposed property (formerly part of Sites 8, 10, and 11). Activities also included removal of tanks, debris buckets, debris piles, and drums. No issues, concerns, or Phase II activities were noted in the area of the purposed property.

Phase I Environmental Site Assessment and Update, prepared for Wake Tech Community College by Withers & Ravenel (W&R), dated May 23, 2008 – This Phase I was an update to a historical Phase I completed by W&R dated March 2, 2005, and was completed to identify, to the extent feasible, recognized environmental conditions (RECs) associated with the parent parcel. Since completion of the 2005 Phase I update four (4) additional parcels (Parcel 10, 11, 12, and 13) were added to the parent parcel. No issues, or concerns were noted in the area of the purposed property, which is made up of former Parcel 10, the northern portion of former parcel 11, and the northwestern portion of former parcel 8.

No other historical reports associated to the purposed property were provided for Tetra Tech review during the source of this assessment.

5.3.10 Other Historical Sources

No other local historical environmental record sources were reviewed by Tetra Tech during the course of this assessment.

6.0 SITE RECONNAISSANCE

The site reconnaissance was conducted by Mr. Justin Martone, Tetra Tech Project Scientist III, on October 8, 2020. Tetra Tech was accompanied by Mr. Eric Pearson, client, during the site reconnaissance visit. The following is a summary of visual and/or physical observations of the purposed property on the day of the site visit. Photographs are provided in Appendix B.

6.1 Methodology and Limiting Conditions

The site reconnaissance consisted of visual and/or physical observations of the purposed property and improvements; adjoining sites as viewed from the purposed property; and, the surrounding area based on visual observations made during the trip to and from the purposed property. Unimproved portions of the purposed property (if any) were observed along the perimeter and in a general grid pattern in safely accessible areas. Building exteriors (if any) were observed along the perimeter from the ground, unless described otherwise. Building interiors (if any) were observed as they were made safely accessible, unless described otherwise.

No access related limitations to observations were encountered during the site reconnaissance. The weather conditions at the time of the site reconnaissance visit was sunny and warm with temperatures in the upper 70's (ºF).

6.2 Hazardous Substance Use, Storage, and Disposal

Tetra Tech did not observe the use, storage, and/or disposal of hazardous substances, including hazardous wastes, on the purposed property during the site reconnaissance visit.

6.3 Underground Storage Tanks (USTs)

Tetra Tech did not observe the presence of current USTs or indications of historical USTs on the purposed property during the site reconnaissance visit.

6.4 Aboveground Storage Tanks (ASTs)

Tetra Tech did not observe the presence of current ASTs or indications of historical ASTs on the purposed property during the site reconnaissance visit.

6.5 Other Petroleum Products

Tetra Tech did not observe the use, storage, and/or disposal of other petroleum products in hydraulic lifts, equipment, and/or other containers on the purposed property during the site reconnaissance visit.

6.6 Polychlorinated Biphenyls (PCBs)

Tetra Tech did not observe the presence of equipment that is suspect for PCB-content (e.g., pre-1979 fluorescent light ballasts, transformers, hydraulic hoists, lifts, elevators, etc.) on the purposed property during the site reconnaissance visit.

6.7 Unidentified Substance Containers

Tetra Tech did not observe the presence of unidentified substance containers on the purposed property during the site reconnaissance visit.

6.8 Nonhazardous Solid Waste

Tetra Tech did not observe the generation, storage, disposal, and/or discharge of non-hazardous solid waste(s) on the purposed property during the site reconnaissance visit.

6.9 Wastewater

Tetra Tech did not observe evidence of wastewater generation, treatment, and/or discharge (including sanitary sewage and stormwater) on the purposed property or to adjoining properties with exception of the following:

WASTEWATER SUMMARY TABLE
(INCLUDING SANITARY SEWAGE AND STORMWATER)

Type of Wastewater	Generation Process	Treatment System?	Discharged To?
Stormwater	Precipitation & Stormwater Run-On from Adjacent Properties	No	Ground surfaces or an unnamed stream located along the western portion of the purposed property. The unnamed stream runs from south to north along the western boundary of the purposed property to a culvert located along the northwestern corner of the purposed property. The stream flows under Paramount Parkway and eventually drains into Sorrells Grove Reservoir.

Based on observed conditions, the generation of wastewater at the purposed property is not considered to represent a *recognized environmental condition* to the purposed property.

6.10 Waste Pits, Ponds and Lagoons

Tetra Tech did not observe evidence of waste pits, ponds, or lagoons on the purposed property during the site reconnaissance visit.

6.11 Drains and Sumps

Tetra Tech did not observe the presence of drains or sumps on the purposed property during the site reconnaissance visit.

6.12 Septic Systems

Tetra Tech did not observe the presence of a current septic system or indications of a historical septic system on the purposed property during the site reconnaissance visit.

6.13 Stormwater Management System

Tetra Tech did not observe a stormwater management system on the purposed property during the site reconnaissance visit. Surface water infiltrates into areas of exposed soil or sheet flows across ground surfaces to an unnamed stream that runs from south to north along the western boundary of the purposed property to a culvert located along the northwestern corner of the purposed property.

6.14 Wells

Tetra Tech did not observe evidence of current and/or historical monitoring, water supply, and/or irrigation wells on the purposed property during the site reconnaissance visit.

7.0 SUBSURFACE VAPOR MIGRATION

Hazardous gases (vapor) from subsurface sources, such as contaminated soil or groundwater can migrate into residential, commercial, and industrial buildings with any foundation type, including basements, crawlspaces, or slabs. According to EPA guidance, three conditions must exist for hazardous vapors to reach the interior of buildings from the subsurface environment underneath or near a building. First, a source of hazardous vapors must be present in the soil or in groundwater underneath or near a building. Second, vapors must form and have a pathway along which to migrate toward the building. Third, entry routes must exist for the vapors to enter the building and driving forces must exist to draw the vapors into the building.

Tetra Tech considered the nature and extent of onsite and nearby sources of potential subsurface vapor migration by evaluating the current and historical usage of the purposed property, the construction type and history, the physical setting, and the potential sources of subsurface vapor migration through the review of regulatory agency database information that was summarized in Section 5.0. Based on the evaluation of the known or suspected releases of hazardous substances or petroleum products, distance from the property, potential pathways, and soil type, etc., no potential subsurface vapor migration sources were identified at the purposed property.

8.0 INTERVIEWS

The following persons were interviewed to obtain information regarding *recognized environmental conditions* in connection with the purposed property:

INTERVIEW SUMMARY				
Role	**Name**	**Title/Company**	**Years Assoc. With Property**	**Interview Type**
Client	Eric Pearson	Client/ Town of Morrisville	Unknown	In Person
Property Representative	Jeffery Carter	Property Owner Representative/ Wake Technical Community College	Unknown	Telephone
Architecture Firm	Jay Smith	O'Brien Atkins	Unknown	In Person

Not included in this listing are those governmental employees that were contacted solely for the purpose of retrieving public information pertaining to the purposed property and who would not be expected to have first-hand knowledge of *recognized environmental conditions* at the purposed property.

Pertinent information from the interview is discussed in applicable sections of this report with details (including failed attempts to interview) documented on Record of Communication forms in Appendix I.

9.0 OTHER ENVIRONMENTAL CONDITIONS

The ASTM E1527-13 standard provides for the addition of non-ASTM scope items to the completion of a Phase I ESA as an addition to the ASTM E1527-13 scope if requested by the User/client. The client did not request inclusion of non-scope items in completion of this report and due to the undeveloped nature of the purposed property none were provided by Tetra Tech.

9.1 Asbestos-Containing Material (ACM)

Due to the undeveloped nature of the purposed property and absence of onsite debris/trash, ACM was not addressed as part of this Phase I ESA, and no additional investigation is recommended.

9.2 Radon

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. The EPA guidance action level for annual residential exposure to radon is 4.0 Pico Curies per liter of air (pCi/L). The guidance action level is not a regulatory requirement for private owners of commercial real estate but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

Tetra Tech's review of published radon data indicates that the purposed property is located in an area of moderate propensity with regard to the potential for elevated levels of radon gas. According to the EDR report, the purposed property is located in Federal EPA Radon Zone 2, which is described as an area with predicted indoor average level of >=2 pCi/L and <=4 pCi/L. The EDR report indicates that zero (41) sites have been tested within Wake County. No other information was provided.

9.3 Lead in Drinking Water

Due to the undeveloped nature of the purposed property, lead in drinking water was not addressed as part of this Phase I ESA, and no additional investigation is recommended.

9.4 Lead-Based Paint (LBP)

Due to the undeveloped nature of the purposed property, LBP was not addressed as part of this Phase I ESA, and no additional investigation is recommended.

9.5 Mold Screening

Due to the undeveloped nature of the purposed property, mold was not addressed as part of this Phase I ESA, and no additional investigation is recommended.

9.6 Additional User Requested Conditions

No additional User requested services were included in the scope of work for this ESA.

10.0 REFERENCES

ASTM International, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E1527-13. November 2013.

Dominion Energy - North Carolina, October 12, 2020.

Duke Energy, October 12, 2020.

Environmental Data Resources, Inc. (EDR), *Aerial Photo Decade Package*, Inquiry No. 6216153.11, October 5, 2020.

EDR, *Building Permit Report*, Inquiry 6216153.8, October 5, 2020.

EDR, *Environmental Lien and AUL Search*, Inquiry 6216153.7, October 7, 2020.

EDR, *Radius Map with GeoCheck*, Inquiry No. 6216153.2s, October 5, 2020.

EDR, *City Directory Abstract Report*, Inquiry No. 6216153.5, October 16, 2020.

EDR, *Certified Sanborn Map Report*, Inquiry No. 6216153.3, October 5, 2020.

EDR, *Historical Topographic Map Report*, Inquiry No. 6216153.4, October 5, 2020.

EDR, *Property Tax Map Report*, Inquiry No. 6216153.6, October 5, 2020.

Federal Emergency Management Administration (FEMA) website, *Flood Insurance Rate Maps,* www.msc.fema.org.

National Wetlands Inventory (NWI) website, Wetlands Mapper, www.fws.gov/wetlands/data/ mapper.html.

North Carolina Geological Survey, 1985.

Phase I Environmental Site Assessment and Update, prepared for Wake Tech Community College by Withers & Ravenel (W&R), dated May 23, 2008

Phase II Limited Environmental Site Assessment, prepared for Granite Development by Withers & Ravenel (W&R), dated May 25, 2005

Town of Cary Public Works, October 12, 2020.

Town of Morrisville Planning Department, October 6, 2020.

Town of Morrisville Real Estate Assessor's Office, October 5, 2020.

United States Geological Survey 7.5 Minute Series, *Cary, North Carolina* Topographic Quadrangle, produced in 2013.

Wake County Environmental Services Department, October 13, 2020.

Wake County Fire Marshal's Office, October 6, 2020.

11.0 TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

recognized environmental condition(s) (REC) - the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

material threat - a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional (EP), is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance, and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

de minimis condition – is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies. An example might include a release of *hazardous substances* or *petroleum products* that could reasonably and foreseeably result in a concentration exceeding the applicable regulatory agency risk-based residential standards or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment. If an enforcement action would be less likely than not, then the condition is considered to be generally not likely the subject of an enforcement action. A condition determined to be *de minimis* is not a *REC* or *controlled recognized environmental condition (CREC)*.

historical recognized environmental condition(s) (HREC) - a past release of any *hazardous substances* or *petroleum products* that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a *HREC*, the EP must determine whether the past release is a *REC* at the time the assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a *REC* at the time the Phase I ESA is conducted, the condition will be reported in Section 1.2 the Findings and Conclusions Summary table as a *REC*.

controlled recognized environmental condition (CREC) - a *recognized environmental condition* resulting from a past release of *hazardous substances* or *petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitation, institutional controls, or engineering controls). Per E1527-13, a *CREC* will be reported in the Section 1.2 Findings and Conclusions Summary table as a *CREC* and a *REC*.

migrate/migration - refers to the movement of *hazardous substances* or *petroleum products* in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.

APPENDIX A

SITE VICINITY MAP & SITE PLAN

APPENDIX B

SITE PHOTOGRAPHS

APPENDIX C

USER PROVIDED DOCUMENTATION

APPENDIX D

REGULATORY DATABASE REPORT

APPENDIX E

AERIAL PHOTOGRAPHS

APPENDIX F

HISTORICAL RESEARCH DOCUMENTATION

APPENDIX G

PRIOR REPORTS

APPENDIX H

RESUMES

APPENDIX I

RECORDS OF COMMUNICATION

APPENDIX J

LABORATORY REPORTS

(NO LABORATORY TESTING WAS PERFORMED, THIS SECTION WAS INTENTIONALLY LEFT BLANK)

APPENDIX K

OTHER SUPPORTING DOCUMENTATION

Mid Atlantic
Engineering & Environmental Solutions

409 Rogers View Court
Raleigh, NC 27610
office 919.250.9918
facsimile 919.250.9950
MAAONLINE.COM

May 31, 2022

Ms. Margaret Sutter
Director, Real Estate Services
Wake County Public School System
111 Corning Road, Suite 100
Cary, North Carolina 27518

Subject: **LIMITED ENVIRONMENTAL REVIEW**
WAKE TECH PARCELS
0 PARAMOUNT PARKWAY & 433 KNOWLEDGE DRIVE
MORRISVILLE, NORTH CAROLINA
MID-ATLANTIC JOB NUMBER: 000R4113.00

Dear Ms. Sutter:

Mid-Atlantic Associates, Inc. (Mid-Atlantic) appreciates the opportunity to submit this report of environmental services for the property assemblage located at 0 Paramount Parkway and 433 Knowledge Drive in Morrisville, North Carolina. Included in this report is the project information, scope of services, findings and opinion.

PROJECT INFORMATION

The subject site (Exhibit A) is an approximately 36.5-acre assemblage that consists of 0 Paramount Parkway (PIN 0746972399) and approximately 34 acres of 433 Knowledge Drive (PIN 0746867028). The following environmental reports have been conducted at the site and were provided to Mid-Atlantic for review:

- *Phase II Limited Environmental Site Assessment, ±81.36-Acre Former Stone Hedge Carolinas Property*, report dated May 25, 2005 and prepared by Withers & Ravenel (W&R);
- *Phase I Environmental Site Assessment and Update, ±85.92-Acre Former Stone Hedge Carolina LTD Partnership Site*, report dated May 23, 2008 and prepared by W&R; and
- *Phase I Environmental Site Assessment, Undeveloped Woodlands, 433 Knowledge Drive*, report dated November 4, 2020 and prepared by Tetra Tech, Inc.

SCOPE OF SERVICES

At your request, Mid-Atlantic performed the following scope of services for this project:

- Reviewed the historical information and the environmental database searches contained in the previous environmental reports;
- Conducted an interview with the owners of the parcels; and
- Conducted a visual reconnaissance of the subject site.

The results of activities conducted for this project are summarized in the sections below.

Historical and Database Review - The subject site was not identified in Mid-Atlantic's review of regulatory records for the two Phase I Environmental Site Assessments (PESAs) referenced above. The reports identified one site within approximately a quarter mile of the subject site. Mid-Atlantic does not anticipate this site or other potential off-site concerns listed greater than a quarter mile from the subject site to environmentally impact the subject site.

Aerial Photograph Review – Based on our review of aerial photographs, the subject site has been primarily wooded and undeveloped with portions used as farmland since at least 1938. Environmentally suspect features were not identified on or in the vicinity of the subject site during Mid-Atlantic's review of historical aerial photographs.

Sanborn® Map and City Directory Review - Historical Sanborn® fire insurance map coverage was not available for the subject site or surrounding properties. The subject site address was not included in the city directories reviewed.

Owner Interviews – Mid-Atlantic conducted an interview with Eric Pearson, Capital Projects Manager with the Town of Morrisville Engineering Department, on May 20, 2022. Mr. Pearson indicated that the Town of Morrisville purchased the 0 Paramount Parkway parcel in September 2020 from Wake Technical Community College (Wake Tech). Mr. Pearson indicated that to the best of his knowledge the site has always been wooded and undeveloped but had been timbered in the past. Mr. Pearson indicated that he had no knowledge of current or historical use of underground storage tanks, aboveground storage tanks or incidents of dumping/burial of trash, waste, etc. at the site. He was also not aware of activities, incidents, accidents or spills, etc. on the site or the adjacent properties that may have the potential to have an adverse environmental impact on the Town of Morrisville parcel.

Mid-Atlantic conducted an interview with Mr. Jeffrey Carter, Vice President of Facilities Operations for Wake Tech, on May 26, 2022. Mr. Carter indicated that the 89+ acre 433 Knowledge Drive parcel was initially a compilation of over 10-parcels that were purchased and then recombined into one parcel. Wake Tech purchased the parcels ten or more years ago. Mr. Carter stated that to the best of his knowledge the site had always been wooded and undeveloped until portions were developed with surface parking lots for the Wake Tech facility. Mr. Carter also indicated that he had no knowledge of current or historical use of underground storage tanks, aboveground storage tanks or incidents of dumping/burial of trash, waste, etc. at the site. He was also not aware of activities, incidents, accidents or spills, etc. on the site or the adjacent properties that may have the potential to have an adverse environmental impact on the Wake Tech property.

Site Reconnaissance - On May 26, 2022, Mid-Atlantic personnel conducted a physical/visual reconnaissance of the subject site and the surrounding area. Our reconnaissance included a visual inspection of the site. We did not encounter limiting conditions during our site reconnaissance that hindered our ability to identify potential recognized environmental conditions (RECs). The site was primarily wooded and undeveloped with the exception of the southwest portion of 433 Knowledge Drive, which was developed with surface parking lots for the Wake Tech facility. The site was relatively clean with several small areas of what appeared to be household debris/trash, primarily along the property boundary bordering/near Paramount Parkway and the west/northwest property boundary. We did not observe dead, dying, or stressed vegetation or stained/odor-emitting soil in the vicinity of these areas or other areas of potential environmental concern during our site reconnaissance.

FINDINGS AND OPINION

Based on the scope of services conducted for this project, we did not find evidence of incidents or current/historical operations at or in the vicinity of the subject site that would have the potential to have an adverse environmental impact to the subject site. Although there is no evidence to suggest that the debris areas noted on site are a source of contamination, the debris should be removed and disposed of properly. In the event that stained or odor-emitting soils, drums, ASTs or USTs are discovered during these activities or during future development of the site, we recommend that Mid-Atlantic be notified in order to determine the potential for an adverse environmental impact from the newly encountered materials.

CLOSING

We appreciate the opportunity to present this report to the Wake County Public School System. If you have any questions or need additional information, please feel free to contact us at 919-250-9918.

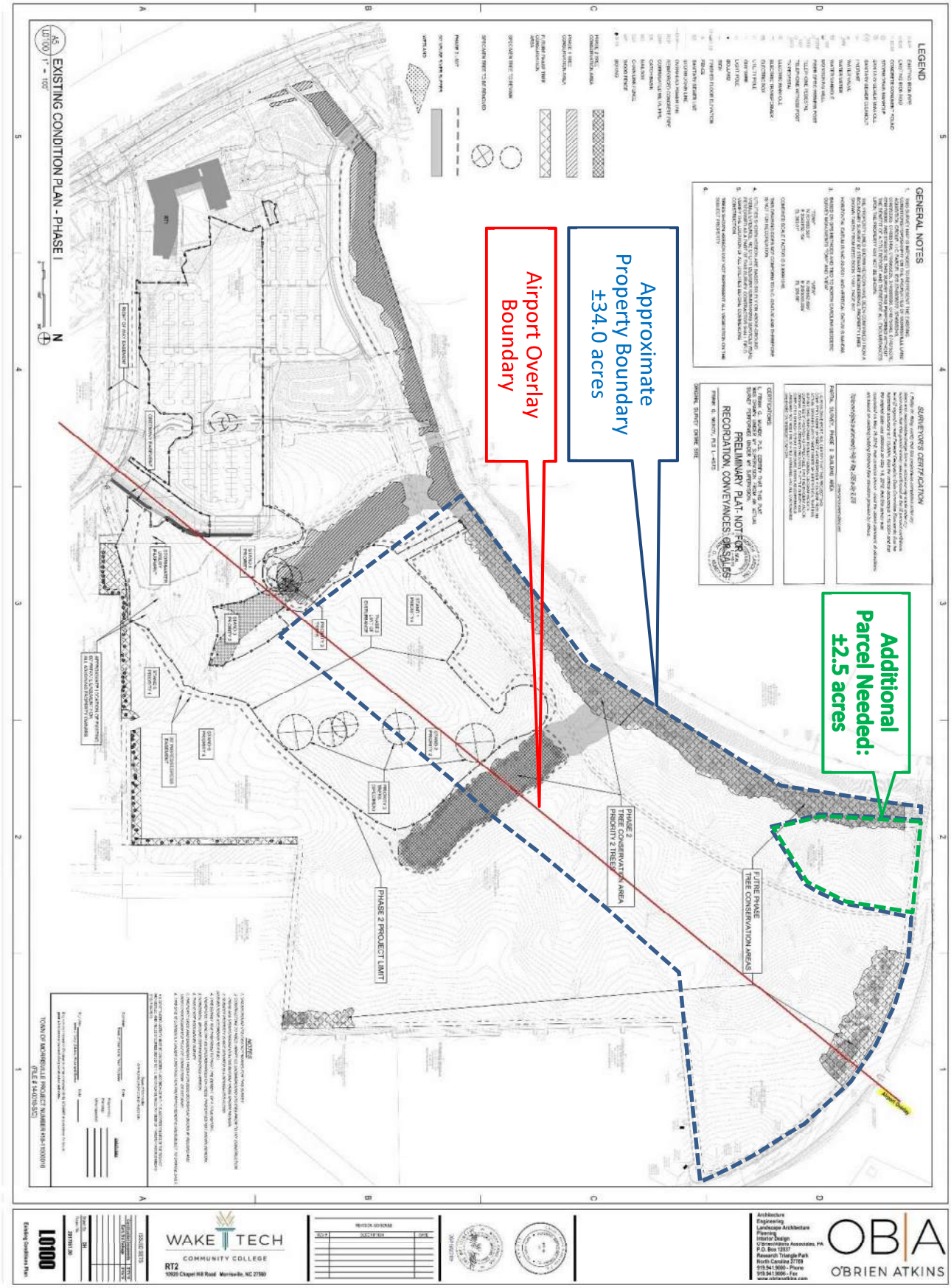
Sincerely,

MID-ATLANTIC ASSOCIATES, INC.

Darin M. McClure, PE
Principal Engineer

Attachment: Exhibit A

Exhibit A:
Illustrative Depiction of the Property:



Mid Atlantic
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August 26, 2022

Town of Morrisville

Subject: **RELIANCE BY THE TOWN OF MORRISVILLE ON ENVIRONMENTAL REPORT PREPARED FOR THE WAKE COUNTY BOARD OF EDUCATION**
0 PARAMOUNT PARKWAY & 433 KNOWLEDGE DRIVE
MORRISVILLE, NORTH CAROLINA
MID-ATLANTIC JOB NUMBER: 022R4113.00

To Whom It May Concern:

Mid-Atlantic Associates, Inc. prepared the *Limited Environmental Review* (report dated May 31, 2022) for, or on behalf of the Wake County Board of Education (Client), for real property at 0 Paramount Parkway and 433 Knowledge Drive in Morrisville, North Carolina. In consideration of the facts recited in this letter, Mid-Atlantic Associates hereby agrees that the Town of Morrisville may rely on the report prepared by Mid-Atlantic Associates in accordance with the following provisions:

(1) The provision of an Environmental Assessment acceptable in form and substance to the Town of Morrisville is a condition to the potential purchase of the Site;

(2) The Town of Morrisville is placing substantial reliance on the report in consummating a transaction involving the Site. In turn, the Town of Morrisville accepts the original Terms and Conditions agreed upon between Mid-Atlantic Associates and Client, or Assigned;

(3) The Town of Morrisville may rely upon the report and the opinions, conclusions, and recommendations presented therein as if the report had been prepared for and addressed to the Town of Morrisville; and

(4) The Town of Morrisville shall have no obligation for the payment of the Consultant's fees or expenses in connection with the report and Mid-Atlantic Associates agrees to look solely to Client, or Assigned, for the payment of any such fees and expenses.

Sincerely,

MID-ATLANTIC ASSOCIATES, INC.

Darin M. McClure, P.E.
Principal Engineer

Preliminary Geotechnical Report
Future High School
Paramount Parkway
Morrisville, North Carolina
S&ME Project No. 22050414

PREPARED FOR:

Wake County Board of Education
111 Corning Road, Suite 100
Cary, North Carolina 27518

PREPARED BY:

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

July 8, 2022

July 8, 2022

Wake County Board of Education
111 Corning Road, Suite 100
Cary, North Carolina 27518

Attention: Ms. Margaret Sutter
Director, Real Estate Services

Reference: **Preliminary Geotechnical Report**
Future High School
Paramount Parkway
Morrisville, North Carolina
S&ME Project No. 22050414
N.C. PE Firm License No. F-0176

Dear Ms. Sutter:

S&ME, Inc. is pleased to submit this preliminary subsurface exploration report for the reference project. Our services were performed in general accordance with our proposal number 22050414, dated May 23, 2022 and IPPA signed June 1, 2022. The purpose of our study was to evaluate subsurface conditions as they relate to general earthwork, preliminary foundation support, and seismic site class for future construction. This report presents a brief summary of our understanding of the project, descriptions of our field exploration and laboratory testing, a discussion of encountered subsurface conditions, and preliminary conclusions and recommendations related to site development.

We appreciate the opportunity to work with the Wake County Board of Education on this project. Please contact us with any questions, or if you need additional information.

Sincerely,

S&ME, Inc.

Elliot Blonshine, P.E.
Geotechnical Group Leader

NORTH CAROLINA PROFESSIONAL SEAL 18819 ENGINEER WESLEY M. LOWDER
Wes Lowder
Jul 8 2022 11:27 AM

Wes Lowder, P.E.
Vice President

DocuSign

Contents

Appendices

Appendix I –Figures

Appendix II – Boring Logs

1.0 Project Information

This report is based on e-mail correspondence between you and Wes Lowder on May 18, 2022 with an attached RFP for the referenced project.

We understand the Wake County Board of Education is investigating acquisition of a parcel of land totaling approximately 34 acres located southwest of Paramount Parkway in Morrisville. An additional approximately 2.5 acre tract located in the north portion of the site is also being considered for purchase. The 34 acre site is identified by Wake County PIN #1746-86-7028.

Site development plans have not been developed at this time. Based on past experience, we anticipate that buildings will be one to two-story structures with maximum column loads of 300 kips. We expect other development will include parking/drive areas, athletic fields, and stormwater retention areas. Based on site topography, we expect that site grading could require excavation and fill placement depths on the order of 15 feet.

2.0 Site Description

The northern portion of the site is undeveloped and is moderately to heavily wooded. The southern portion of the site has been partially developed with at-grade parking and a stormwater detention pond. It appears that excavation and fill placement have occurred during construction of the parking and stormwater detention ponds.

The site generally slopes down from southeast to northwest. The northeast portion of the site is the generally higher area with a grade of about 370 feet, and slopes downward to the west. Lower portions of the site are at about elevation 322 feet.

Numerous swales or ravines exist on the site, primarily draining from southwest to northeast. Flowing water was not observed in swales at the time of our exploration, which was performed during a dry period of the year.

3.0 Area Geology

The site is located with one of several trough-shaped basins that are present within the Piedmont Physiographic Province. The basins were formed during the Triassic and early Jurassic periods as a result of faulting and regional subsidence. Over time the basins were filled with sediment eroded from the adjacent igneous and metamorphic formations, locally the area is simply referred to as the Triassic Basin. Conglomerate clasts are of metamorphic and igneous variety and are often imbedded in a clay/silt/sand matrix. Igneous intrusions (dikes and sills) are present within the sedimentary rocks in many areas. Near the ground surface, Triassic rocks and igneous intrusions are often discontinuous with depth. Triassic rocks can be present as relatively thin layers and the intrusions in the form of boulders. Typical soils within the Triassic Basin consist of silts, clays and clayey/silty sands. Near surface the silts and clays are often moderately to highly plastic. Where present, residual soils formed by weathering of igneous intrusions can be of a softer/wetter consistency than surrounding Triassic sediments (silts and clays). Water is often present at contacts between the Triassic rock and igneous intrusions.

4.0 Field Exploration Program

Thirty-two boring locations in an approximate 200-feet by 200-feet grid were established by Dewberry and located in the field by S&ME using hand-held GPS equipment. Approximate test boring locations are shown on Figure 1 in Appendix I. Borings were advanced to depths ranging from approximately 3.5 to 20 feet below the existing ground surface. Borings were advanced using hollow-stem auger procedures with a Mobile B-57 drill rig. Within each boring, samples of subsurface soils were taken at 2.5-foot intervals above a depth of 10 feet, and at 5-foot intervals below 10 feet using a split-spoon sampler and automatic hammer. Standard penetration testing was performed in conjunction with split-spoon sampling in general accordance with ASTM D 1586.

Water levels were attempted after completion of borings and after a period of about 24 hours in most borings. Two bulk samples of auger cuttings were obtained at boring locations B-9 and B-30 from the upper 5 feet.

Test Boring Records and Generalized Subsurface Profiles (Figures 2.1-2.3), showing specific subsurface information from each boring, are included in the Appendices. Stratification lines shown on Test Boring Records and Subsurface Profiles are intended to represent approximate depths of changes in soil types. Transitional changes in soil types are often gradual and cannot be defined at a certain depth. Ground surface elevations shown on the Test Boring Records and profiles were estimated from the Wake County GIS site and should be considered approximate.

5.0 Laboratory Testing

Split-spoon samples and two bulk samples were returned to our laboratory for visual classification in general accordance with the Unified Soil Classification System (USCS). Similar soils were grouped into strata on the logs. The strata contact lines represent approximate boundaries between soil types; actual transition between soil types may be gradual in both the horizontal and vertical directions. Results of the classifications are presented on individual boring logs included in Appendix II.

Select samples were submitted for laboratory testing including moisture content, plasticity indices, grain size distribution, moisture-density (standard Proctor) relationships tests, and California Bearing Ratio (CBR). Laboratory testing was not complete at the time this report was prepared. Lab results will be submitted under separate cover.

6.0 Subsurface Conditions

A general description of surficial and subsurface conditions is described below. More detailed information can be obtained from review of individual boring logs.

6.1 Surface Materials

A surficial layer of topsoil, ranging in depths from approximately 3 to 5 inches in thickness, was encountered at boring locations in undeveloped portions of the site. Topsoil is typically a dark-colored soil material containing roots, fibrous matter, and/or other organic components, and is unsuitable for engineering purposes. The topsoil depths provided in this report are based on measurements made during drilling and should be considered approximate. The transition from topsoil to underlying natural soils may be gradual.

Asphalt and crushed stone are present in the at-grade parking area located in the south portion of the site. Borings were not performed within paved areas, so asphalt and crushed stone thicknesses were not measured.

6.2 Fill Soils

Fill soils were encountered at borings B-3, B-6, B-9, and B-10 to depths of about 3 to 16 feet below ground surface. Fill soils were sampled as low plasticity clay and silt. SPT N-values varied from 6 to 19 blows per foot, indicating soils are moderately to well compacted. Fill materials are associated with previous construction of parking lots and the stormwater pond.

6.3 Residual Soils

Residual soils were encountered in each boring beneath the surficial layer of topsoil and fill. An exception is boring B-3 which encountered auger refusal just beneath the fill. Residual soils were generally comprised of sandy silts, low plasticity clays, and silty sands. High plasticity silt was encountered in the upper 3 feet at boring B-25. SPT N-values ranged from 8 to 79 blows per foot (bpf), indicating firm to very hard consistencies for silts and clays and medium dense to dense relative density for sands.

6.4 Partially Weathered Rock and Auger Refusal

Partially weathered rock (PWR) was encountered below residual soils in all borings except B-3 and B-13. Partially weathered rock was found at depths varying from just beneath topsoil to depths of about 12 feet. PWR is defined as having an SPT N-value in excess of 50 blows per 6 inches (100 blows per foot) of split-spoon penetration. The PWR encountered exhibited SPT N-values ranging from 50 blows per 5 inches (50/5") to 50 blows with no apparent penetration (50/0"). Partially weathered rock materials were generally sampled as sandy silts and silty sands.

Auger refusal was encountered in most borings at depths of approximately 3.5 to 16.5 feet below the ground surface. Auger refusal can represent the top of slightly weathered rock, massive rock, or boulders. Coring is required to evaluate auger refusal material.

6.5 Groundwater

Groundwater measurements were attempted in most borings immediately following completion of the boring and again after 24 hours in select boreholes. Groundwater was only observed in boring B-3, which was located in the previously developed area. Groundwater levels will fluctuate during the year due to such things as seasonal and

climatic variations and construction activity in the area. Perched or trapped groundwater is often encountered above partially weathered rock in this area during wet periods of the year.

7.0 Preliminary Design Recommendations

The following sections provide preliminary geotechnical engineering recommendations regarding site development. The preliminary recommendations are based upon review of our test boring data, our understanding of proposed site development, engineering analyses, and experience with similar projects and subsurface conditions. Once site development and grading plans are finalized, a final geotechnical exploration should be performed to further evaluate subsurface conditions.

Geotechnical considerations for this site include the following:

- **Difficult Subgrade Preparation –** Fine-grained (silt and clay) soils are present near the ground surface in many of the borings. These soils will deteriorate due to wet conditions and construction equipment.
- **Rock –** Partially weathered rock and auger refusal materials were encountered and are very common in this geologic area. Mass and local excavation will likely require blasting.
- **Previous Development –**The south portion of the site has been partially developed. Undercutting and replacement of previously placed fill could be needed, especially if buildings will be located in this area.
- **Building Foundations –** Buildings may be supported on shallow, spread footings bearing in undisturbed soils or properly compacted fill. Ground improvement (stone columns, aggregate piers, or similar methods) could be required to limit settlements.

7.1 Earthwork

7.1.1 Site Preparation – General

Initial site preparation should include clearing of trees, grubbing of stumps, stripping of organics and topsoil, and removing any other deleterious materials. Borings performed for this exploration indicated topsoil thicknesses of approximately 3 to 5 inches. Deeper stripping depths will be required to remove rootmat from wooded areas. Logging operations often disturb the upper soils, mixing topsoil with undisturbed soils below, increasing stripping depths. This is especially true if logging occurs during wet conditions.

After stripping, exposed subgrade of areas to receive fill and areas near final grades should be evaluated by the geotechnical engineer or his representative. This evaluation should include proofrolling with a fully loaded tandem axle dump truck or similar rubber-tired construction equipment. Any areas that deflect excessively and cannot be densified by further rolling should be undercut to suitable soils.

Site grading will be difficult during periods of extended rainfall that generally occur during the winter months. Near-surface soils are moisture sensitive, and when wet, will tend to rut and pump under rubber-tired traffic and provide poor subgrade support for structures and pavements. To reduce potential earthwork problems, site preparation and grading should be scheduled during the typically drier months of May through November, if possible. If winter grading is attempted, repair of near-surface soils and possible use of select on-site or off-site

borrow will be necessary to adequately prepare subgrades for new construction. Heavy rubber-tired construction equipment should not be allowed to operate on exposed subgrades during wet conditions. Even during drier periods of the year, we recommend that exposed subgrades be sloped and sealed at the end of each day to promote runoff and reduce infiltration from rainfall.

7.1.2 Site Preparation – Drainage Swales

Numerous drainage swales exist on the site. Our exploration was performed during a dry period of the year, and flowing water was not observed. During wet periods of the year, installation of French drains within swales could be needed. French drains consist of a backhoe-excavated ditch filled with washed, crushed stone and encapsulated by a geotextile filter fabric. Some undercutting of soft soils could also be needed. The need for undercutting will be influenced by site grading plans and weather conditions at time of construction.

7.1.3 Groundwater

Groundwater was encountered in only one boring. Our borings were performed during a dry period of the year. Perched water is often found above rock in this area during wet periods of the year. If encountered, perched water could require gravity drained ditches or possibly French drains to lower water levels.

7.1.4 Excavations

Borings indicate that excavations will typically extend through low to moderate-consistency soils, partially weathered rock, and potentially auger refusal materials. Low to moderate-consistency soils can be excavated using backhoes, dozers, and other types of typical earthmoving equipment.

Partially weathered rock (PWR) and auger refusal materials were encountered throughout the site. While a portion of the partially weathered rock can be removed by ripping, our experience has been that ripping is slow and often incompatible with the construction schedule. Also, ripping often creates large rock pieces which must be further broken down prior to using the material as structural fill. Our experience has been that blasting is usually required for both mass and local excavations into partially weathered rock and auger refusal materials. Blasting should be performed such that the material is broken down into particle sizes which can be re-used as structural fill.

Excavations should be sloped or shored in accordance with local, state and federal regulations, including OSHA (29 CFR Part 1926) excavation trench safety standards. The contractor is usually responsible for site safety. This information is provided only as a service and under no circumstances should we be assumed responsible for construction site safety.

7.1.5 Reuse of On-Site Soils as Structural Fill

Soils at this site should be suitable for reuse as structural fill, provided that the moisture content is properly controlled during placement and compaction. Some moisture conditioning may be required prior to their use as structural fill. High plasticity soils (MH and CH) may be used as structural fill in deeper fill areas (i.e. below 3 feet from subgrade elevations) provided their moisture content is properly controlled. However, these soils are highly susceptible to changes in moisture content which can make them difficult to use during site grading. An exception

is that high plasticity soils should not be used behind retaining wall structures. We recommend structural fill be free of trash and debris and contain less than 3 percent organics.

Structural fill should be compacted to at least 95 percent of the standard Proctor maximum dry density. Within the upper 12 inches below subgrade, soils should be compacted to at least 98 percent. Structural fill should be compacted within 2 percent of its optimum moisture content.

7.1.6 Subgrade Repair and Improvement Methods

The exposed subgrade can deteriorate and lose support when exposed to construction traffic and adverse weather conditions. Deterioration can occur in the form or rutting, pumping, freezing, or erosion. We recommend that during construction, exposed subgrade surfaces be sealed at the end of each day or when wet weather is forecast. Water should not be allowed to pond on exposed subgrades. Heavy rubber-tired construction equipment should not be allowed to operate on exposed subgrades during wet conditions.

Immediately prior to floor slab or pavement construction, exposed subgrade soils should be evaluated by proof-rolling to determine their stability. Soils which rut, pump, or deflect under proof-rolling should be repaired prior to ABC stone placement. Repair measures may include scarifying/drying/recompacting, undercutting, placement of geotextiles, use of chemical additives, or some combination of these. Actual repair measures will be influenced by project schedule and weather conditions and can only be determined in the field by the geotechnical engineer.

7.2 Preliminary Foundation Recommendations

Based on results of widely-spaced soil test borings and our experience with typical school buildings, we anticipate that anticipated buildings can be supported on a shallow spread foundation system. A design allowable bearing pressure of 2,000 to 3,000 pounds per square foot (psf) will be available for foundation support.

There is a potential that ground improvement techniques (stone columns, aggregate piers, etc.) could be required to limit settlement. This will depend on site grading, final column loads, and other factors. More detailed foundation recommendations can be provided during the final exploration.

7.3 Seismic Considerations

The proposed structures should be designed to resist possible earthquake effects as determined in accordance with the current applicable building code. Based on our test borings, Section 1613 of the North Carolina Building Code 2018 Edition and our experience in the project area, this site classifies as a **Seismic Site Class D.**

8.0 Limitations of Report

This preliminary report has been prepared in accordance with generally accepted geotechnical engineering practice for specific application to this project. The preliminary conclusions and recommendations contained in this report are based upon applicable standards of our practice in this geographic area at the time this report was prepared. No other representation or warranty either express or implied, is made.

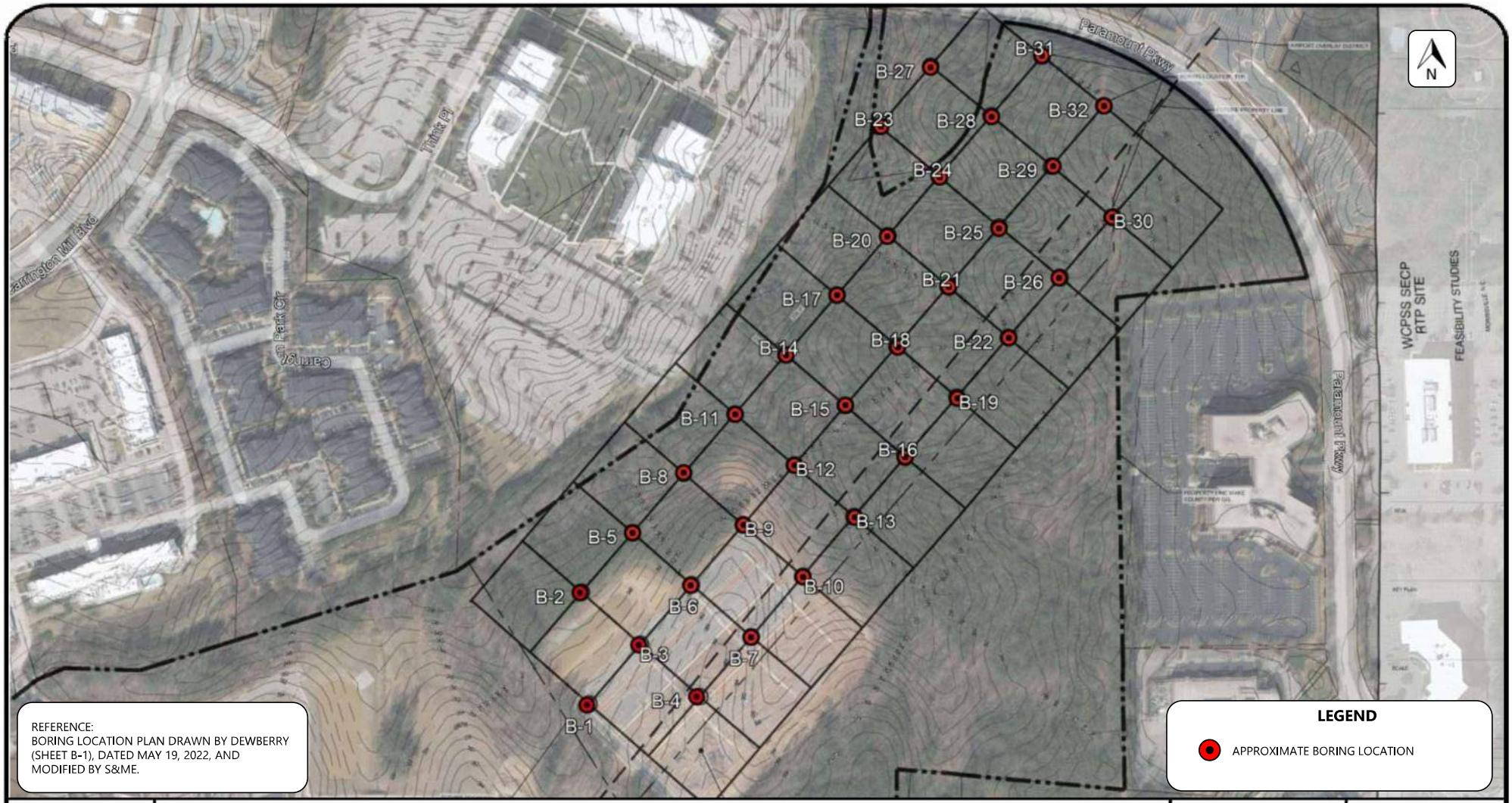
We relied on project information given to us to develop our preliminary conclusions and recommendations. If project information described in this report is not accurate, or if it changes during project development, we should be notified of the changes so that we can modify our recommendations based on this additional information if necessary.

Our preliminary conclusions and recommendations are based on data from a field exploration program. Subsurface conditions can vary widely outside the explored area. Some variations may not become evident until the final exploration or construction. If conditions are encountered which appear different than those described in our report, we should be notified. This report should not be construed to represent subsurface conditions for the entire site.

Unless specifically noted otherwise, our field exploration program did not include an assessment of regulatory compliance, environmental conditions or pollutants. If there is a concern about these items, other studies should be performed. S&ME can provide a proposal and perform these services if requested.

Appendices

Appendix I –Figures



BORING LOCATION PLAN

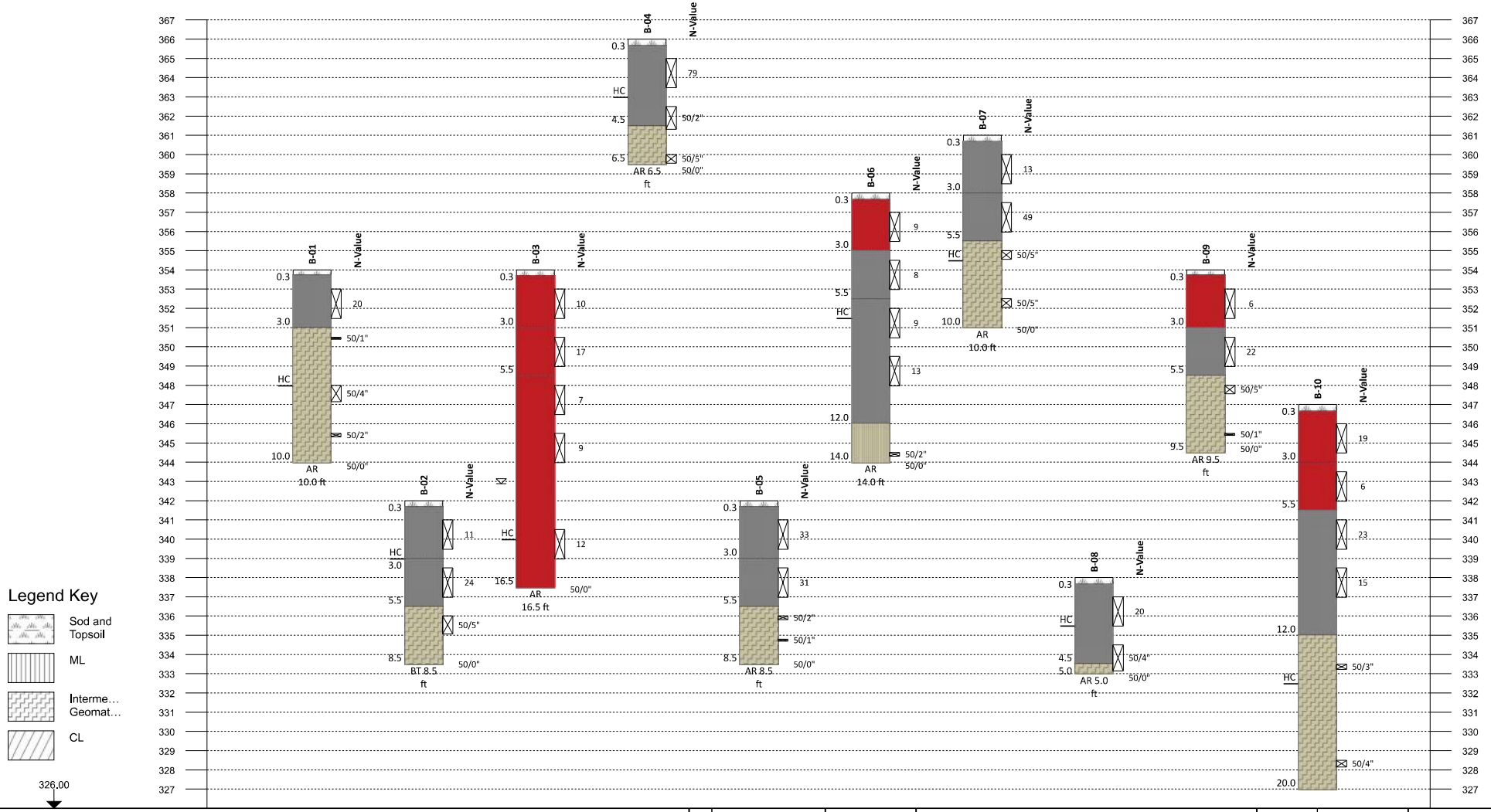
WCBOE WAKE TECH TRACT – FUTURE HIGH SCHOOL
PARAMOUNT PARKWAY
MORRISVILLE, WAKE COUNTY, NORTH CAROLINA

SCALE: NOT TO SCALE

DATE: 7-6-2022

PROJECT NUMBER: 22050414

FIGURE NO. 1



The depicted stratigraphy is shown for illustrative purposes only and is not warranted. Separations between different strata may be gradual and likely vary considerably from those shown. Profiles between nearby borings have been estimated using reasonable engineering care and judgement. The actual subsurface conditions will vary between boring locations.

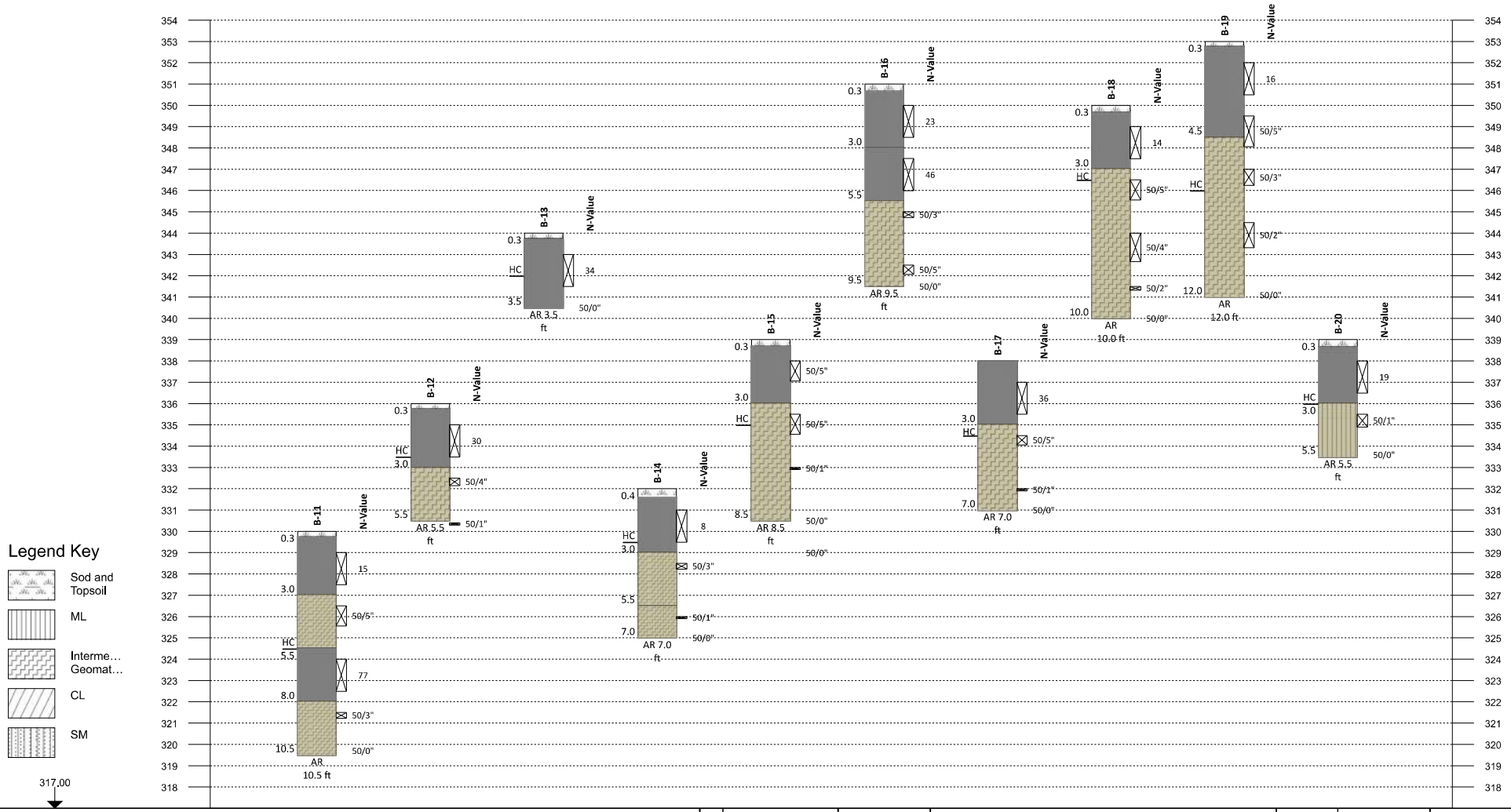
▽	AT TIME OF DRILLING
▼	END OF DRILLING
▼	AFTER DRILLING

Generalized Subsurface Profile

WCBOE Future High School
Morrisville, North Carolina

SCALE:	Not to scale
DATE:	Jul 06, 2022
PROJECT NUMBER:	22050414

FIGURE NO.
2.1



The depicted stratigraphy is shown for illustrative purposes only and is not warranted. Separations between different strata may be gradual and likely vary considerably from those shown. Profiles between nearby borings have been estimated using reasonable engineering care and judgement. The actual subsurface conditions will vary between boring locations.

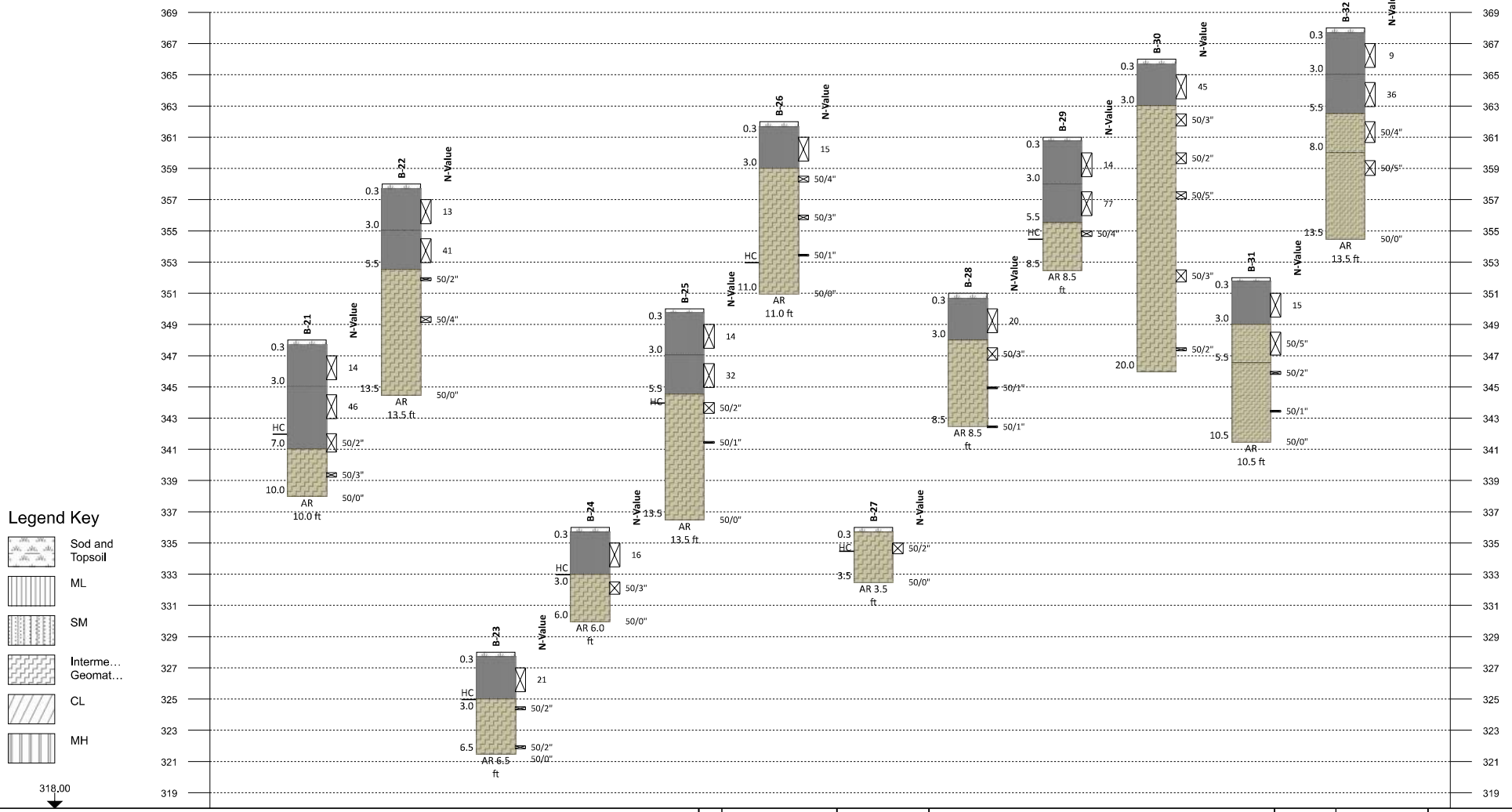
AT TIME OF DRILLING	
END OF DRILLING	
AFTER DRILLING	

Generalized Subsurface Profile

WCBOE Future High School
Morrisville, North Carolina

SCALE:	Not to scale
DATE:	Jul 06, 2022
PROJECT NUMBER:	22050414

FIGURE NO.
2.2



The depicted stratigraphy is shown for illustrative purposes only and is not warranted. Separations between different strata may be gradual and likely vary considerably from those shown. Profiles between nearby borings have been estimated using reasonable engineering care and judgement. The actual subsurface conditions will vary between boring locations.

AT TIME OF DRILLING	
END OF DRILLING	
AFTER DRILLING	

Generalized Subsurface Profile

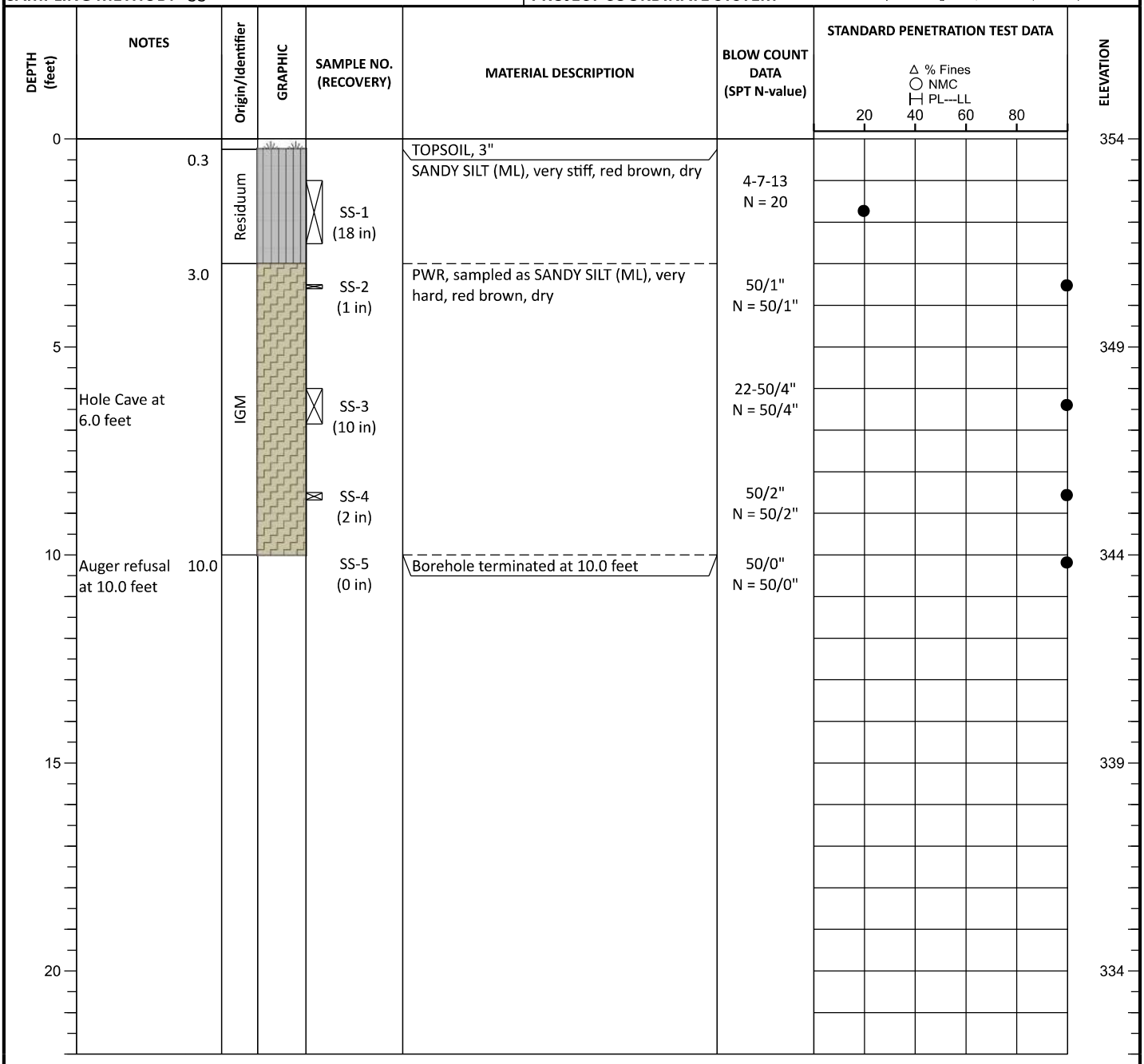
WCBOE Future High School
Morrisville, North Carolina

SCALE:	Not to scale
DATE:	Jul 06, 2022
PROJECT NUMBER:	22050414

FIGURE NO.
2.3

Appendix II – Boring Logs

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-01 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 354 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 10.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.854157 **LONGITUDE:** -78.83653
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/28/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-02 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 342 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 8.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.854935 **LONGITUDE:** -78.83660
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES		Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0						TOPSOIL, 4"			342
		0.3	Residuum		SS-1 (18 in)	SANDY SILT (ML), stiff, tan brown, dry	3-5-6 N = 11	●	
	Hole Cave at 3.0 feet	3.0			SS-2 (18 in)	SANDY LEAN CLAY (CL), very stiff, tan brown, dry	2-7-17 N = 24	●	
5									337
		5.5	IGM		SS-3 (11 in)	PWR, sampled as SANDY SILT (ML), very hard, red brown, dry	46-50/5" N = 50/5"	●	
	Sampler refusal at 8.5 feet	8.5			SS-4 (0 in)	Borehole terminated at 8.5 feet	50/0" N = 50/0"	●	
10									332
15									327
20									322

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/28/2022		not encountered
AFTER DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-03 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 354 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 16.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.854577 **LONGITUDE:** -78.83609
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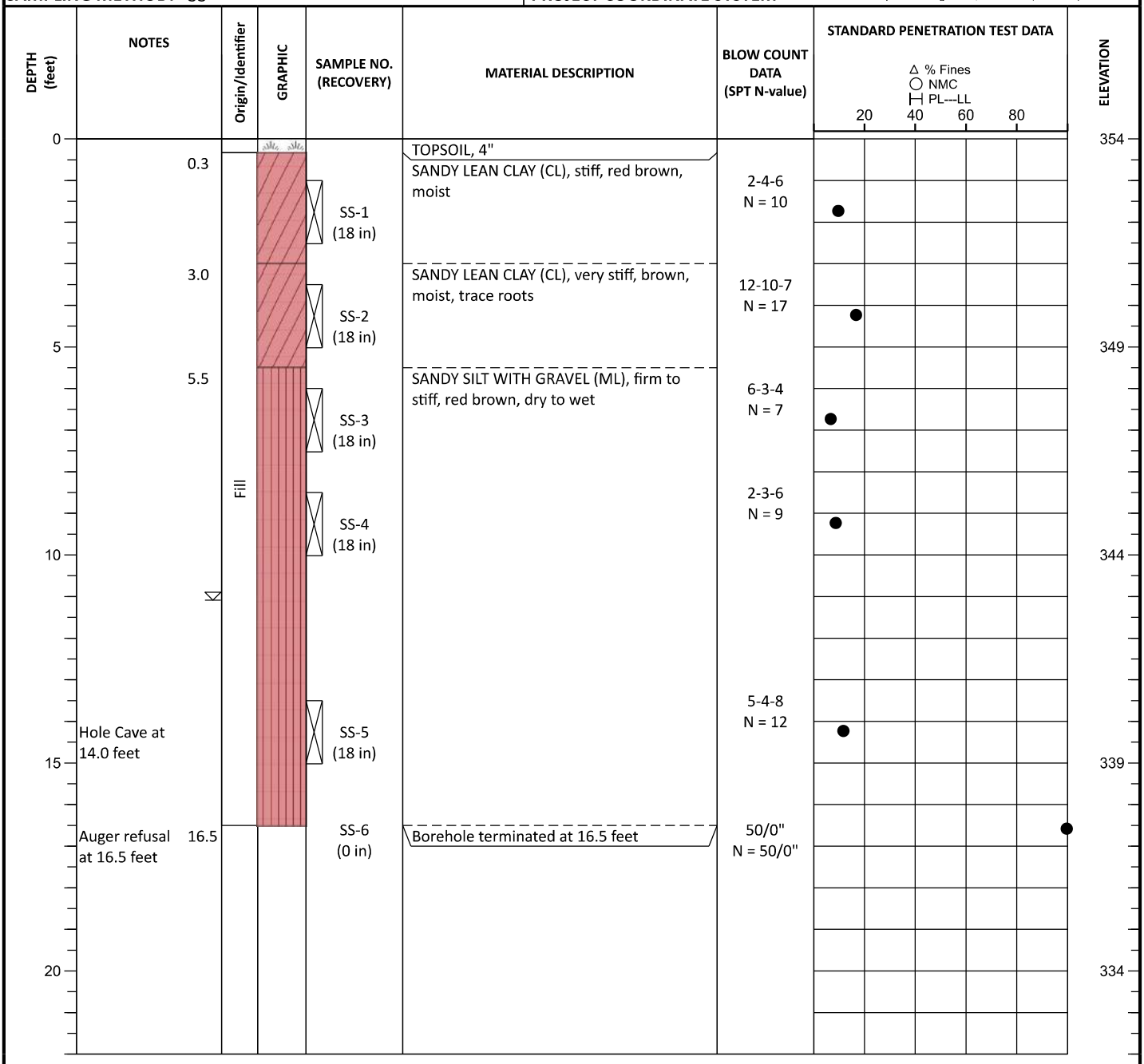
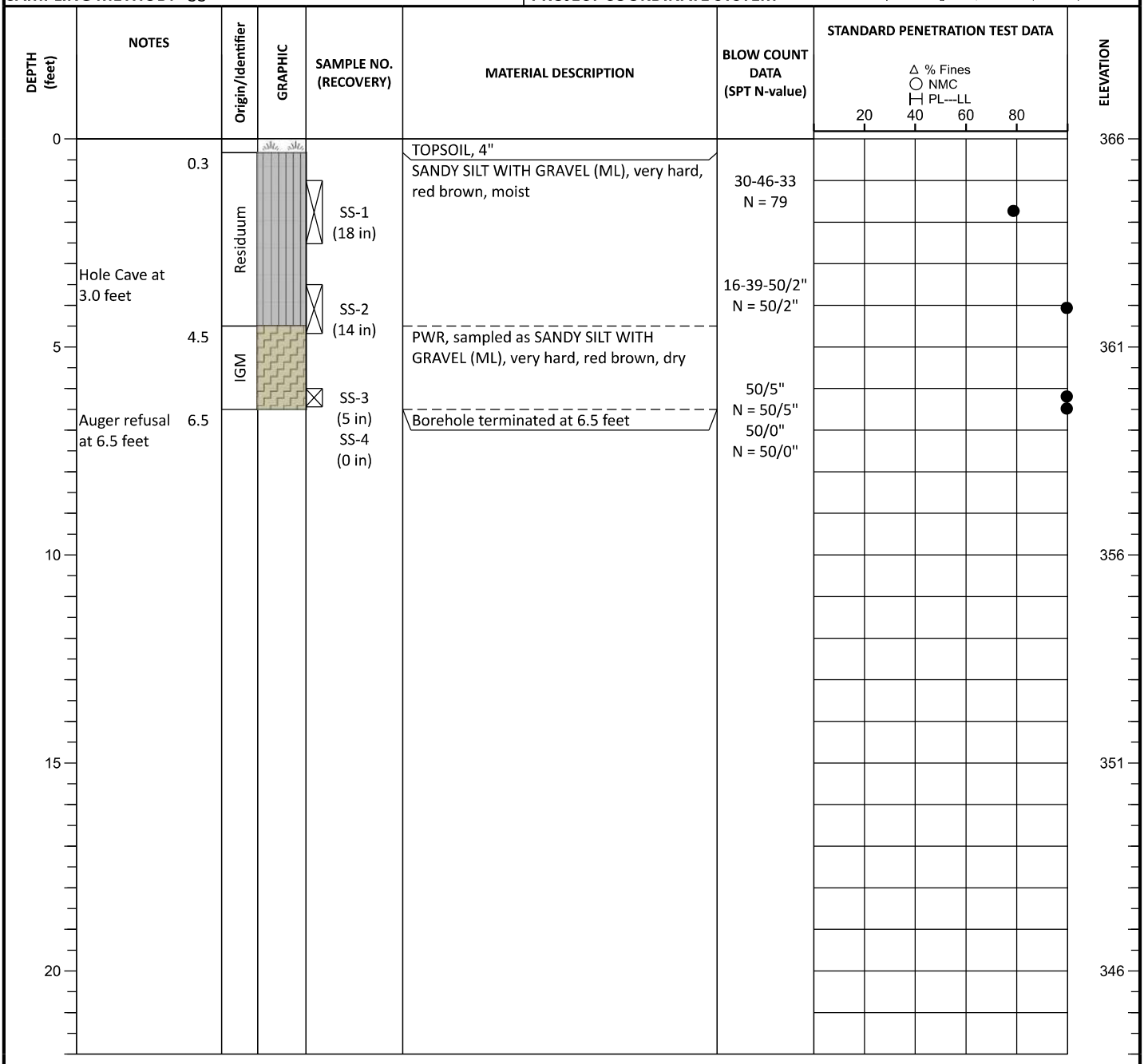


GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/29/2022	11.0	
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-04 *Sheet 1 of 1*
DATE DRILLED: 06/27/2022	**ELEVATION:** 366 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 6.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.854225 **LONGITUDE:** -78.83559
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/27/2022		not encountered
AFTER DRILLING	▼	06/28/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

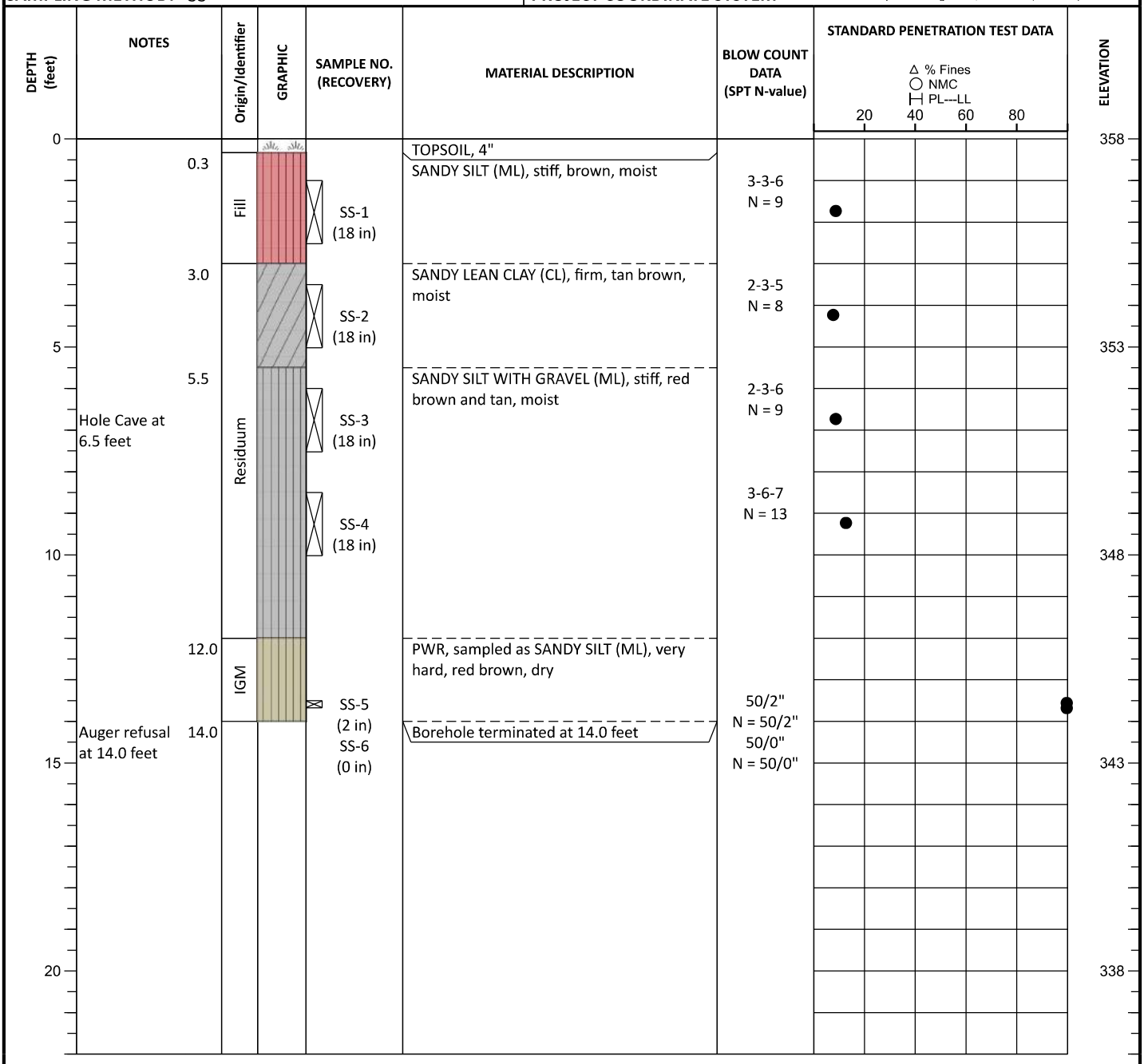
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-05 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 342 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 8.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855354 **LONGITUDE:** -78.83615
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0					TOPSOIL, 4"			342
0.3		Residuum		SS-1 (18 in)	SANDY SILT (ML), hard, tan brown, dry	5-10-23 N = 33	●	
3.0				SS-2 (18 in)	SANDY LEAN CLAY (CL), hard, red brown, dry	18-13-18 N = 31	●	
5								337
5.5		IGM		SS-3 (2 in) SS-4 (1 in)	PWR, sampled as SANDY SILT WITH GRAVEL (ML), very hard, red brown, dry	50/2" N = 50/2" 50/1" N = 50/1"	● ●	
8.5	Auger refusal at 8.5 feet			SS-5 (0 in)	Borehole terminated at 8.5 feet	50/0" N = 50/0"	●	
10								332
15								327
20								322

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

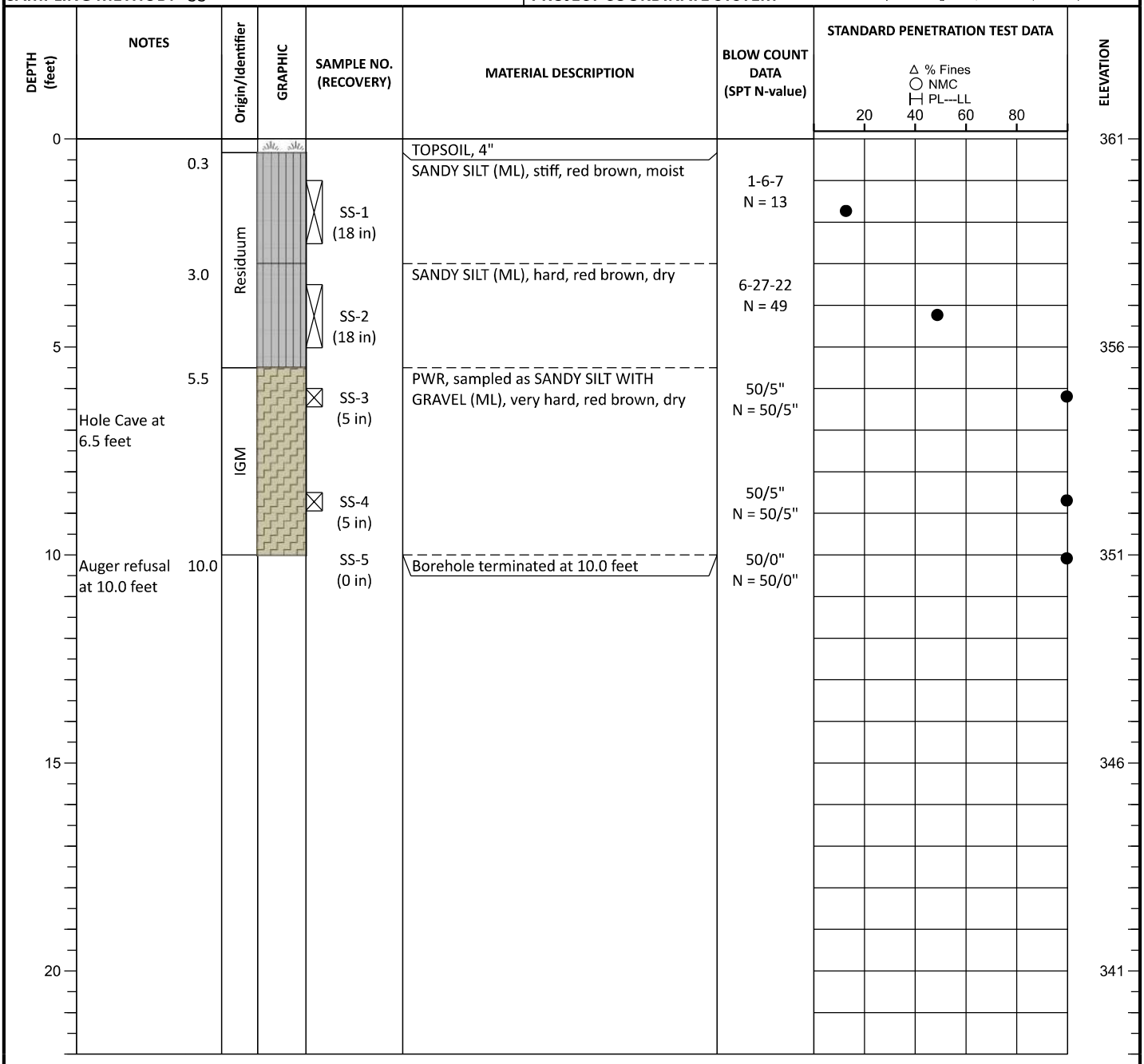
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-06 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 358 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 14.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.854993 **LONGITUDE:** -78.83564
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/28/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-07 *Sheet 1 of 1*
DATE DRILLED: 06/27/2022	**ELEVATION:** 361 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 10.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.854639 **LONGITUDE:** -78.83512
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/27/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/28/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-08 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 338 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 5.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855776 **LONGITUDE:** -78.83571
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0								338
	0.3				TOPSOIL, 4"			
		Residuum		SS-1 (18 in)	SANDY SILT (ML), very stiff, tan brown, dry	6-9-11 N = 20	●	
	Hole Cave at 2.5 feet							
				SS-2 (16 in)		14-26-50/4" N = 50/4"	■	
	4.5	IG M			PWR, sampled as SANDY SILT (ML), very hard, red brown, dry			
5	Auger refusal at 5.0 feet 5.0			SS-3 (0 in)	Borehole terminated at 5.0 feet	50/0" N = 50/0"	■	333
10								328
15								323
20								318

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-09 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 354 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 9.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855416 **LONGITUDE:** -78.83519
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES		Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0									354
		0.3	Fill		SS-1 (18 in)	TOPSOIL, 3" SANDY LEAN CLAY (CL), firm, brown, moist, little to some wood	1-3-3 N = 6	●	
		3.0	Residuum		SS-2 (18 in)	SANDY SILT (ML), very stiff, red brown and tan, dry	4-10-12 N = 22	●	
5									349
		5.5	IGM		SS-3 (5 in)	PWR, sampled as SANDY SILT (ML), very hard, red brown, dry	50/5" N = 50/5"	●	
					SS-4 (1 in)		50/1" N = 50/1"	●	
					SS-5 (0 in)		50/0" N = 50/0"	●	
10	Auger refusal at 9.5 feet	9.5				Borehole terminated at 9.5 feet			344
15									339
20									334

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-10 *Sheet 1 of 1*
DATE DRILLED: 06/27/2022	**ELEVATION:** 347 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 20.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855055 **LONGITUDE:** -78.83468
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0					TOPSOIL, 4"			347
0.3		Fill		SS-1 (18 in)	SANDY SILT (ML), very stiff, brown, moist	5-9-10 N = 19		
3.0		Fill		SS-2 (18 in)	SANDY LEAN CLAY (CL), firm, brown, moist, trace to little gravel	1-3-3 N = 6		
5								342
5.5		Residuum		SS-3 (18 in)	SANDY SILT (ML), stiff to very stiff, red brown, dry	29-13-10 N = 23		
		Residuum		SS-4 (18 in)		5-7-8 N = 15		
10								337
12.0		IGM		SS-5 (3 in)	PWR, sampled as SANDY SILT (ML), very hard, brown to red brown, dry	50/3" N = 50/3"		
15	Hole Cave at 14.5 feet							332
		IGM		SS-6 (4 in)		50/4" N = 50/4"		
20								327
20.0					Borehole terminated at 20.0 feet			

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/27/2022		not encountered
AFTER DRILLING	▼	06/28/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
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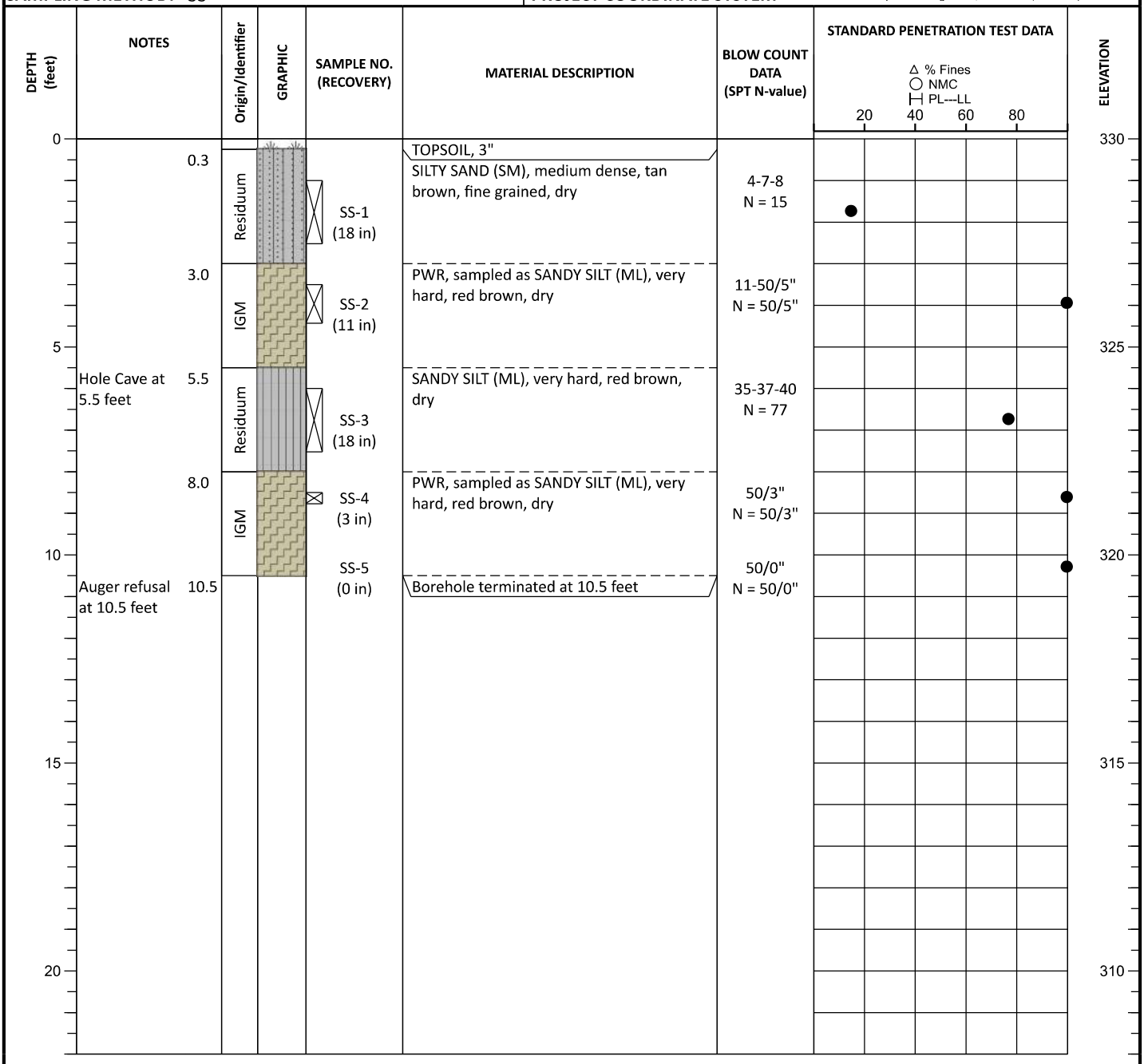
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-11 *Sheet 1 of 1*
DATE DRILLED: 07/05/2022	**ELEVATION:** 330 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 10.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.856186 **LONGITUDE:** -78.83527
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	07/05/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

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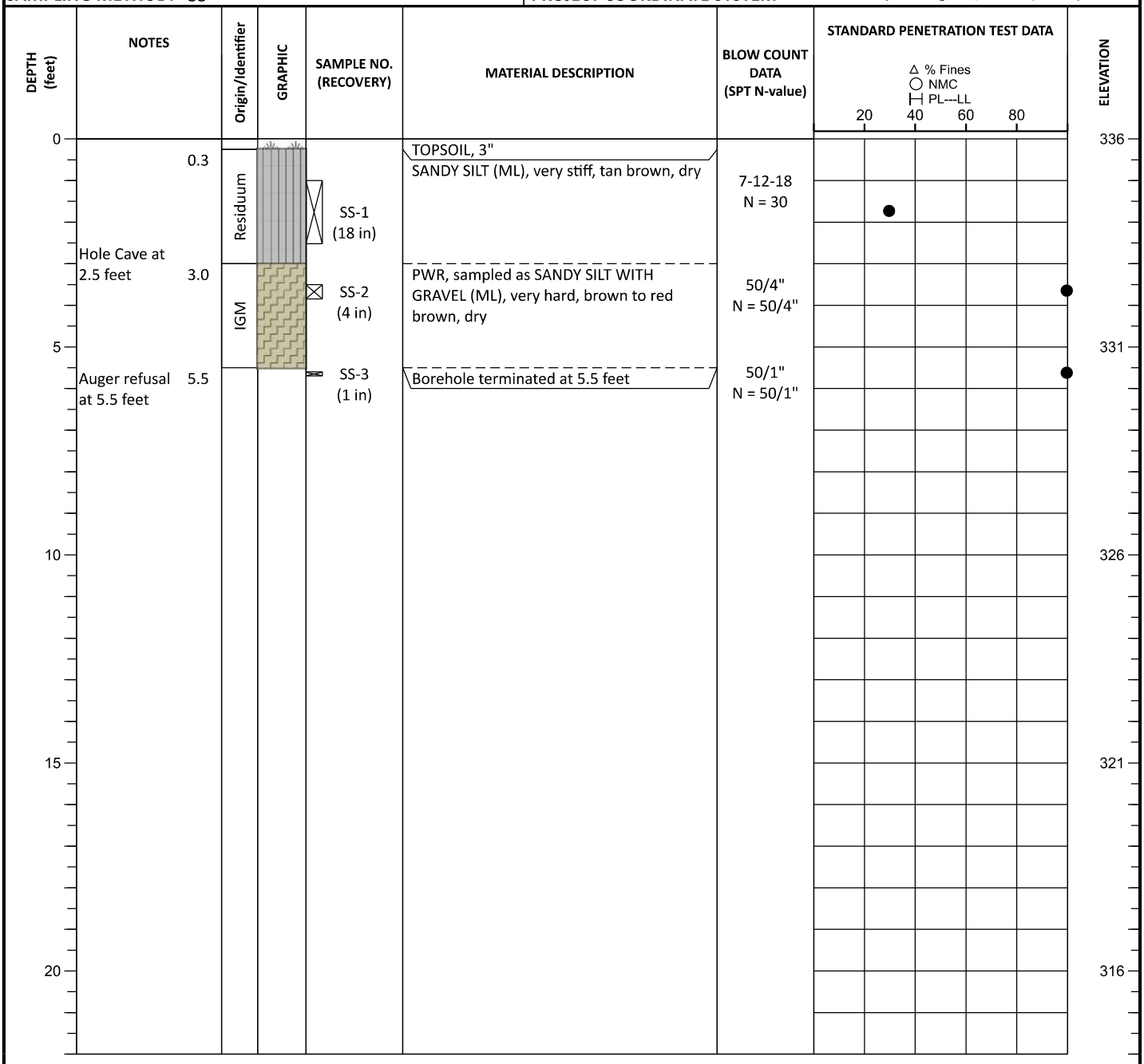
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-12 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 336 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 5.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855831 **LONGITUDE:** -78.83475
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-13 *Sheet 1 of 1*
DATE DRILLED: 06/28/2022	**ELEVATION:** 344 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 3.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855471 **LONGITUDE:** -78.83423
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0								344
	0.3	Residuum		SS-1 (18 in)	TOPSOIL, 3" SANDY SILT (ML), hard, red brown, dry	16-12-22 N = 34	●	
	Hole Cave at 2.0 feet							
	Auger refusal at 3.5 feet 3.5			SS-2 (0 in)	Borehole terminated at 3.5 feet	50/0" N = 50/0"	●	
5								339
10								334
15								329
20								324

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/28/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼			

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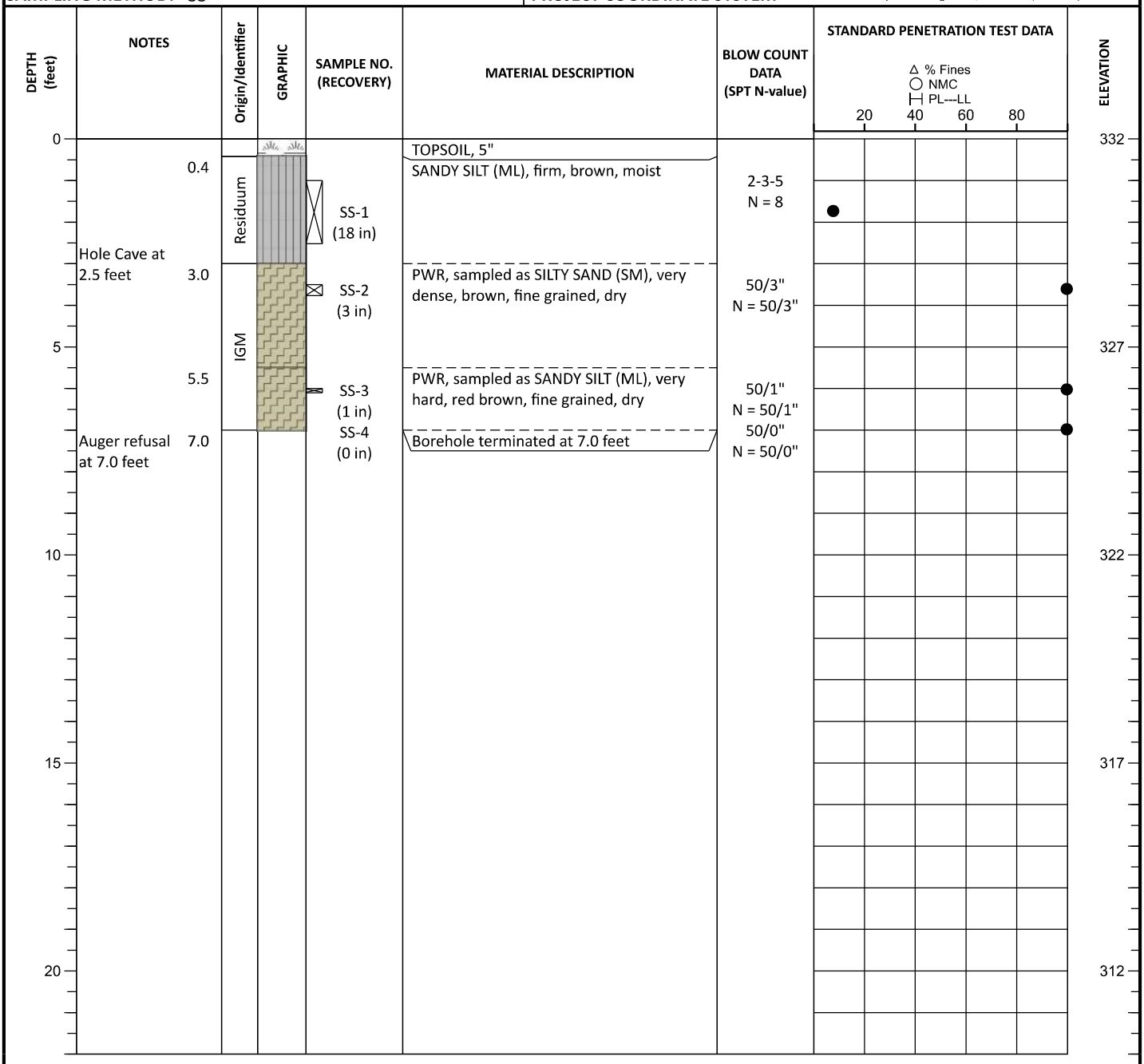
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-14 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 332 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 7.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.856602 **LONGITUDE:** -78.83483
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

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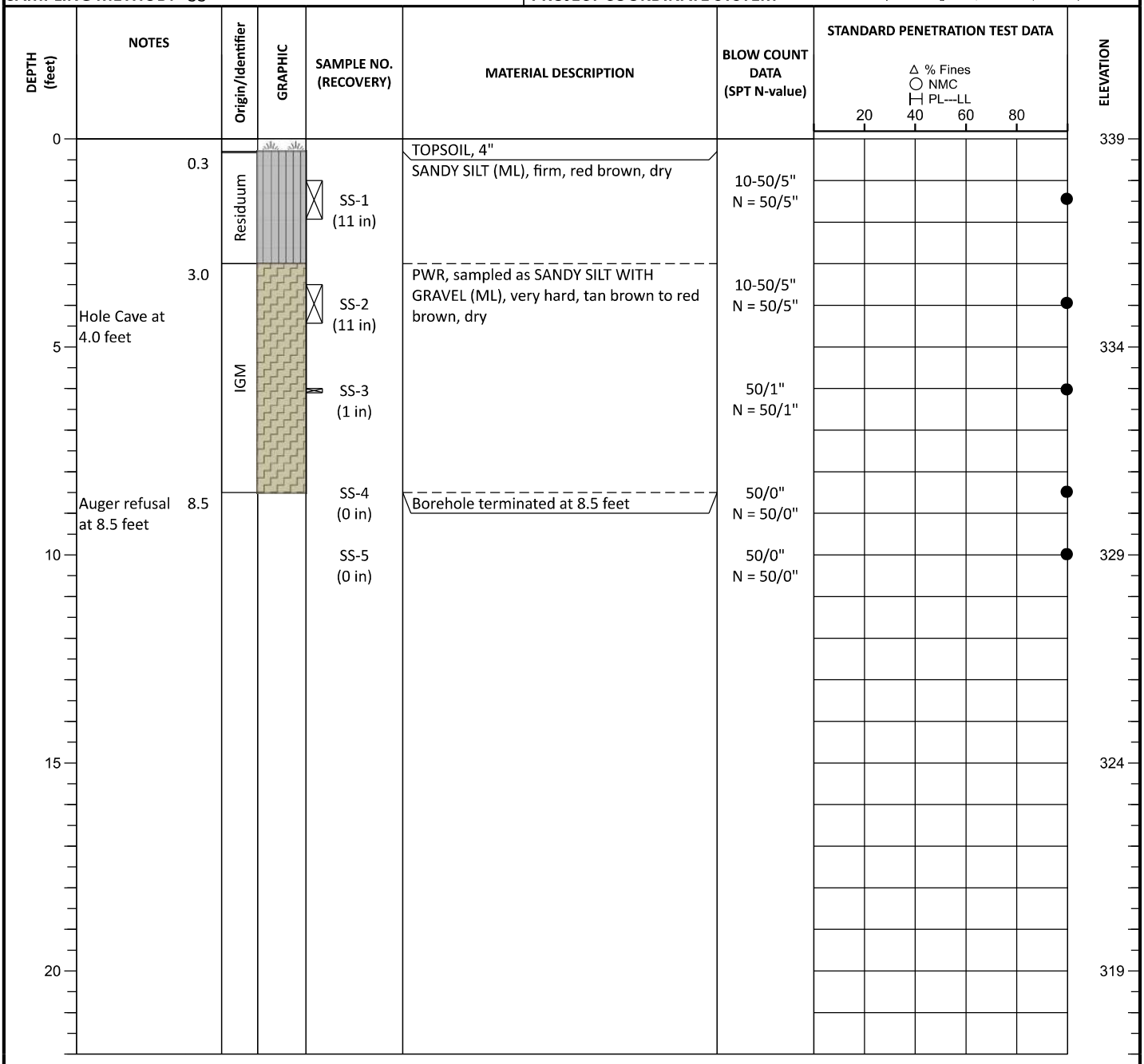
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

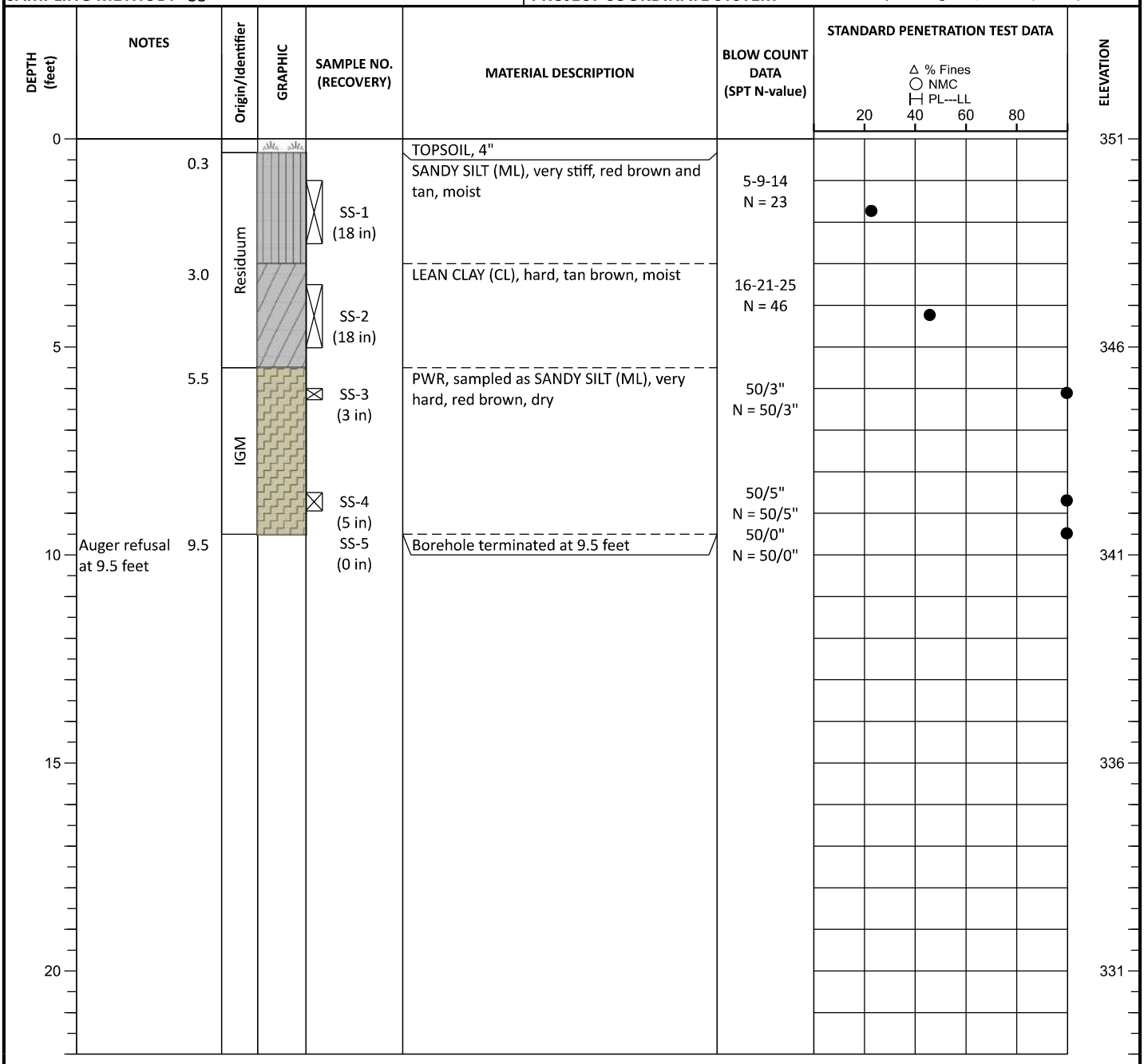
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-15 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 339 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 8.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.856254 **LONGITUDE:** -78.83432
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

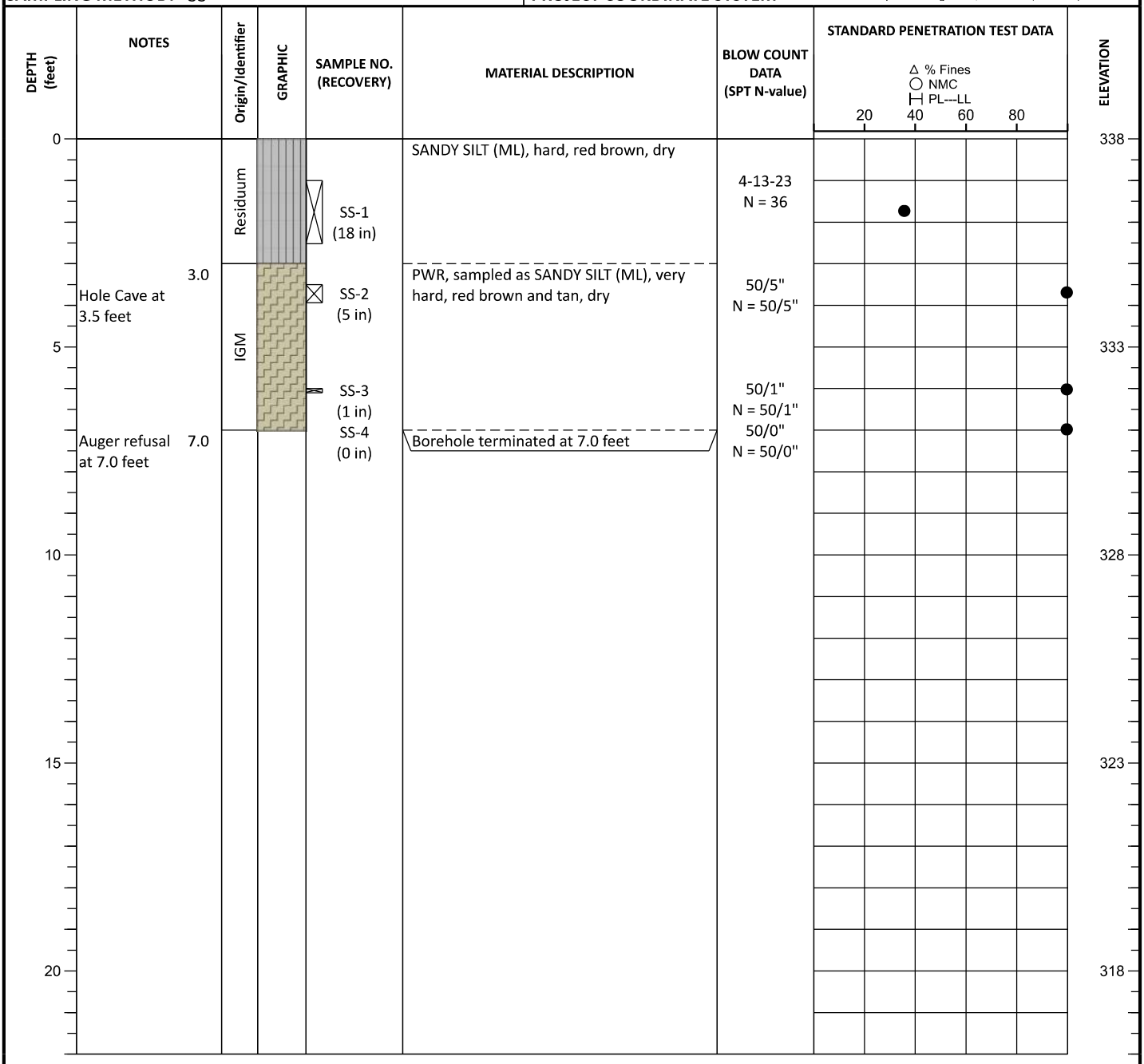
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-16 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 351 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 9.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.855893 **LONGITUDE:** -78.83380
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-17 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 338 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 7.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857024 **LONGITUDE:** -78.83439
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/29/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

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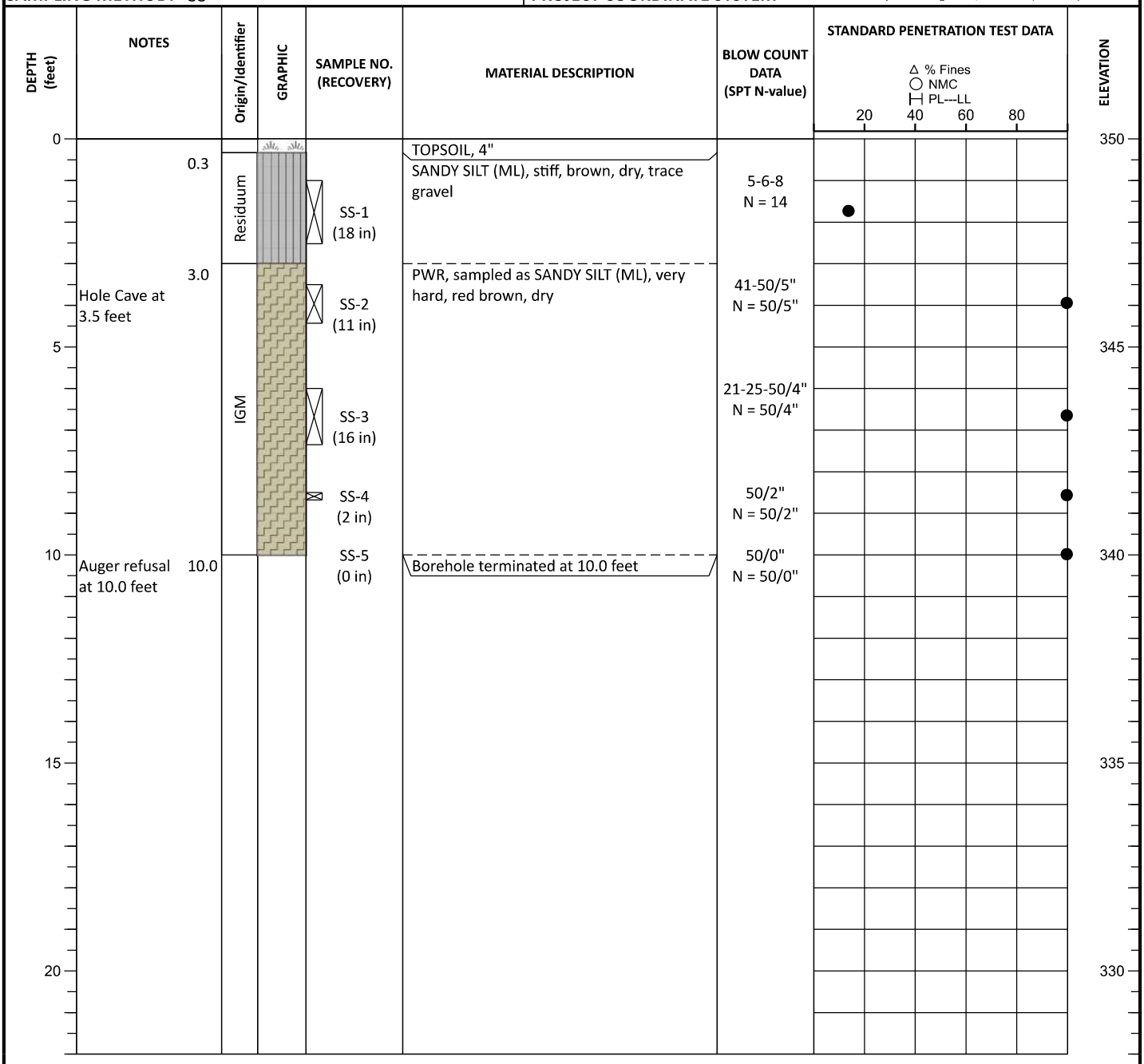
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-18 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 350 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 10.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.856657 **LONGITUDE:** -78.83387
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/29/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

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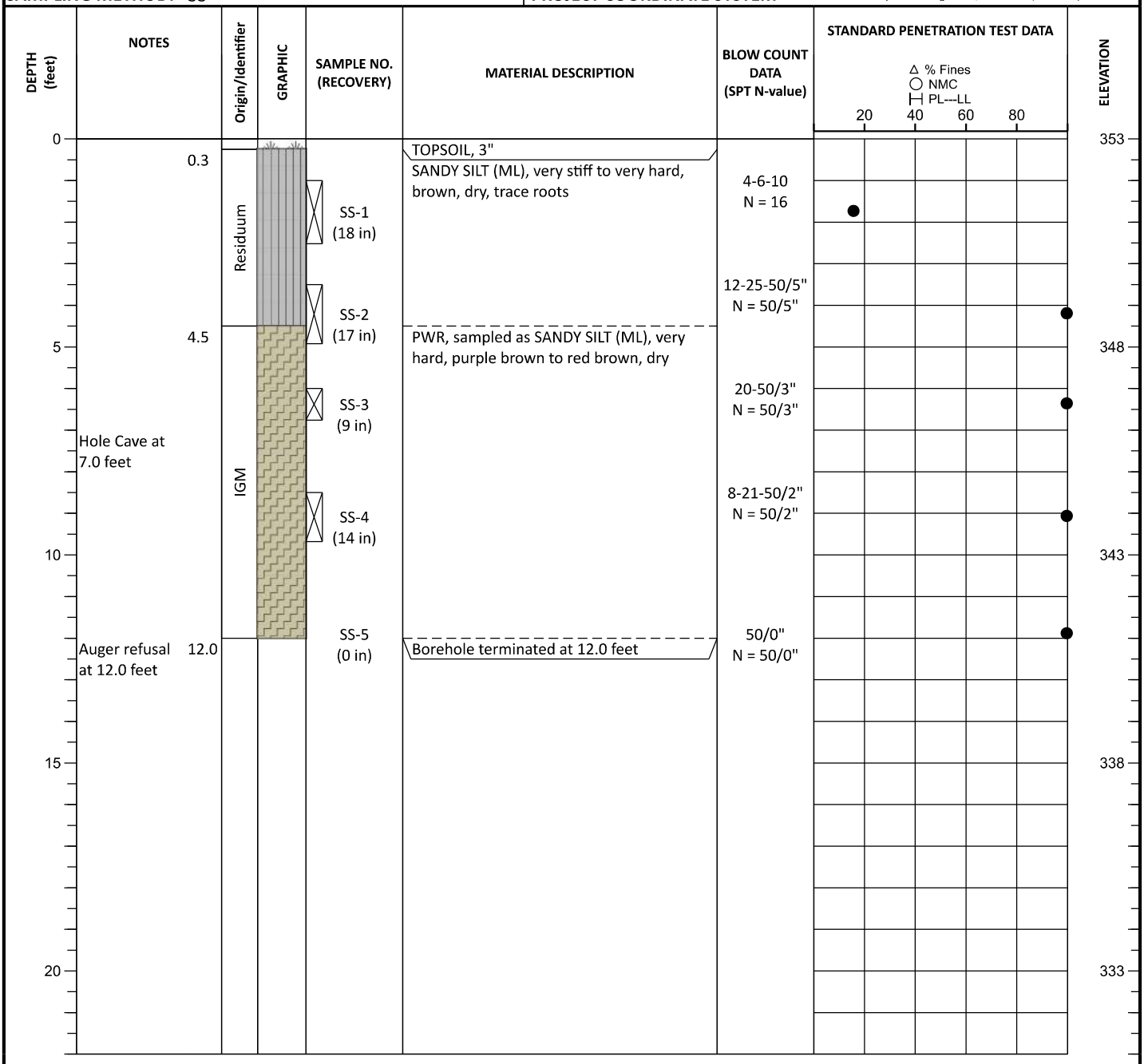
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-19 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 353 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 12.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.856302 **LONGITUDE:** -78.83336
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽	06/29/2022		not encountered
END OF DRILLING	▼			
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

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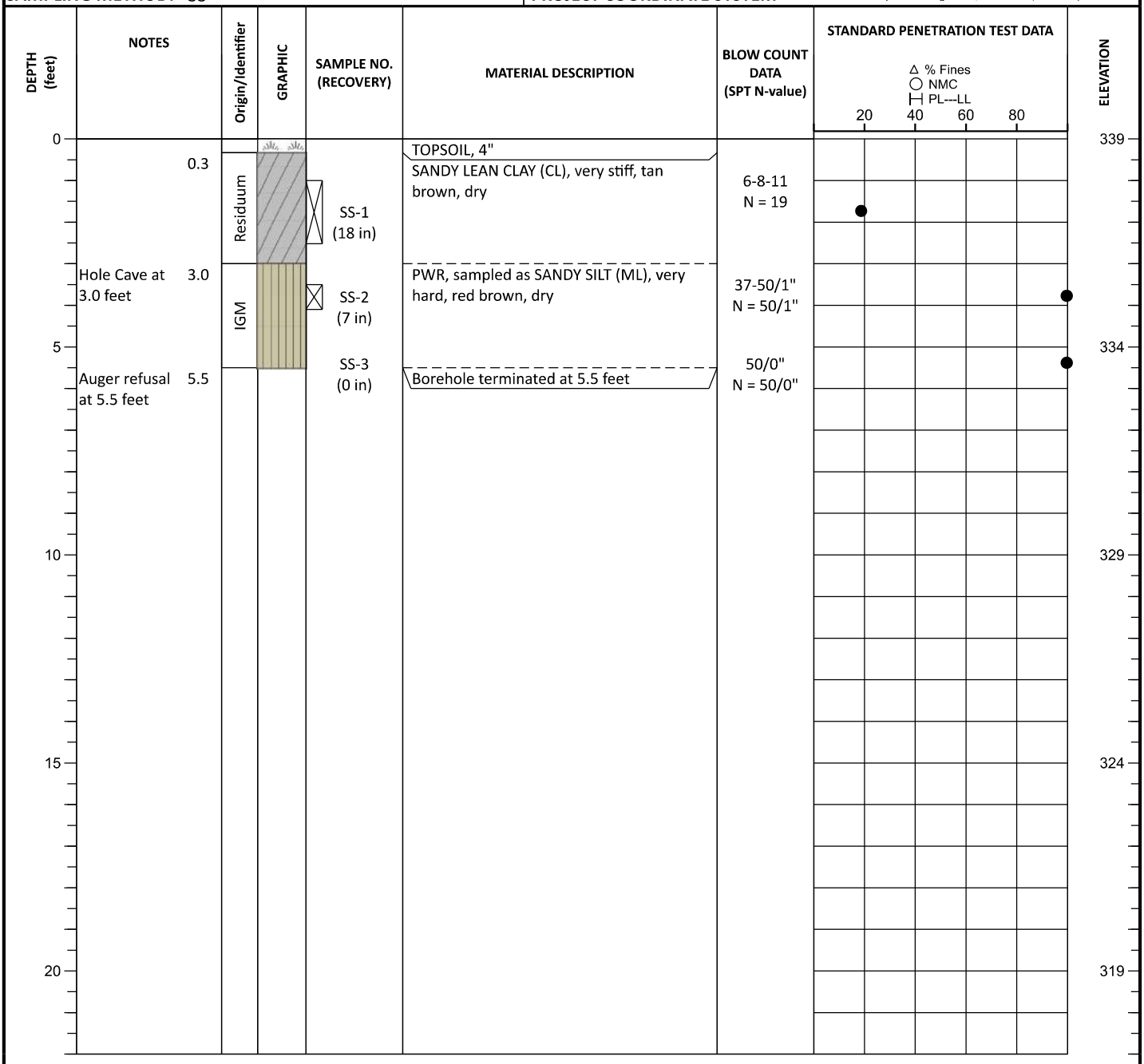
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-20 *Sheet 1 of 1*
DATE DRILLED: 06/29/2022	**ELEVATION:** 339 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 5.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857434 **LONGITUDE:** -78.83396
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/29/2022		not encountered
AFTER DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			

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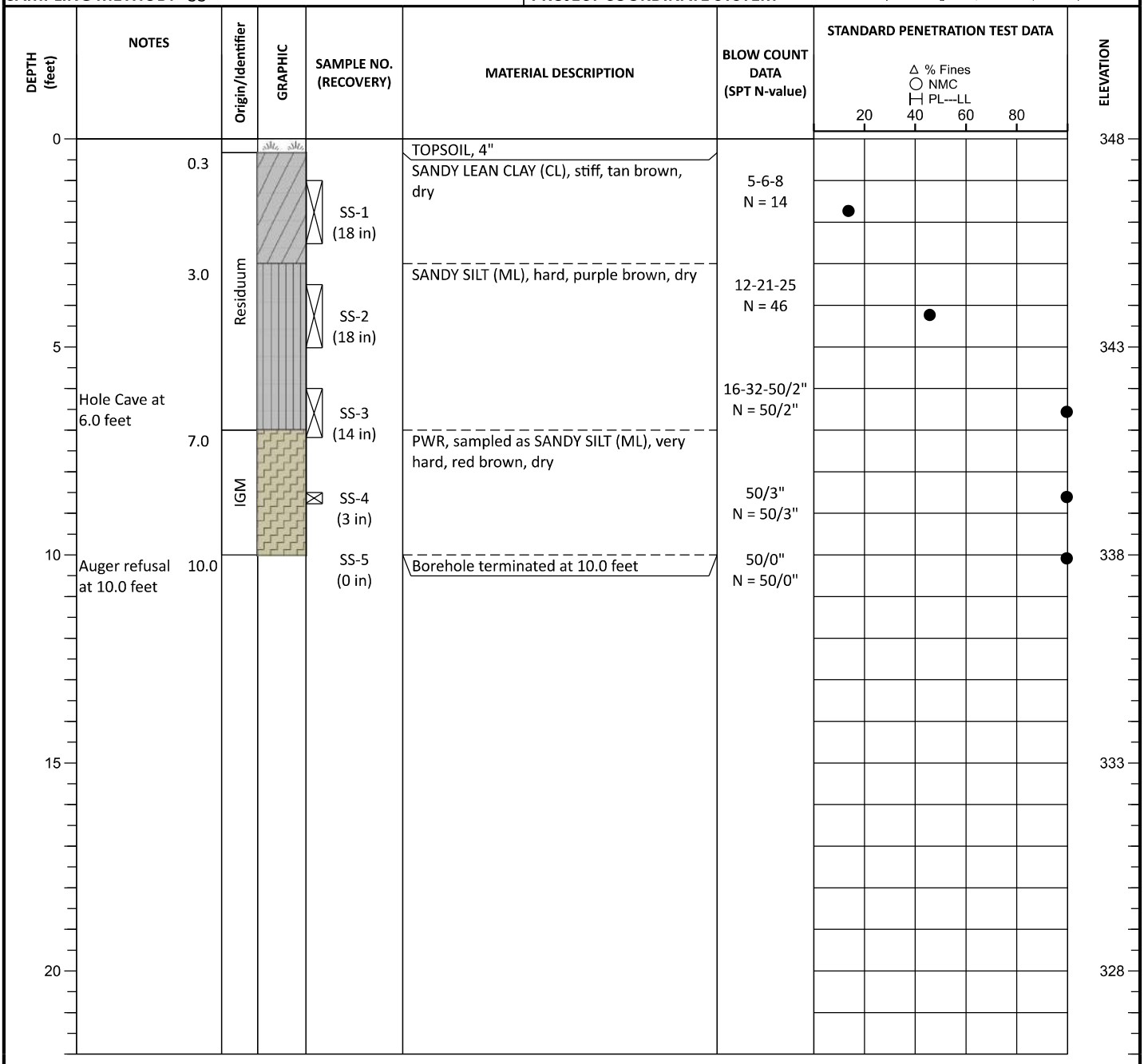
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-21 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 348 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 10.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857079 **LONGITUDE:** -78.83343
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

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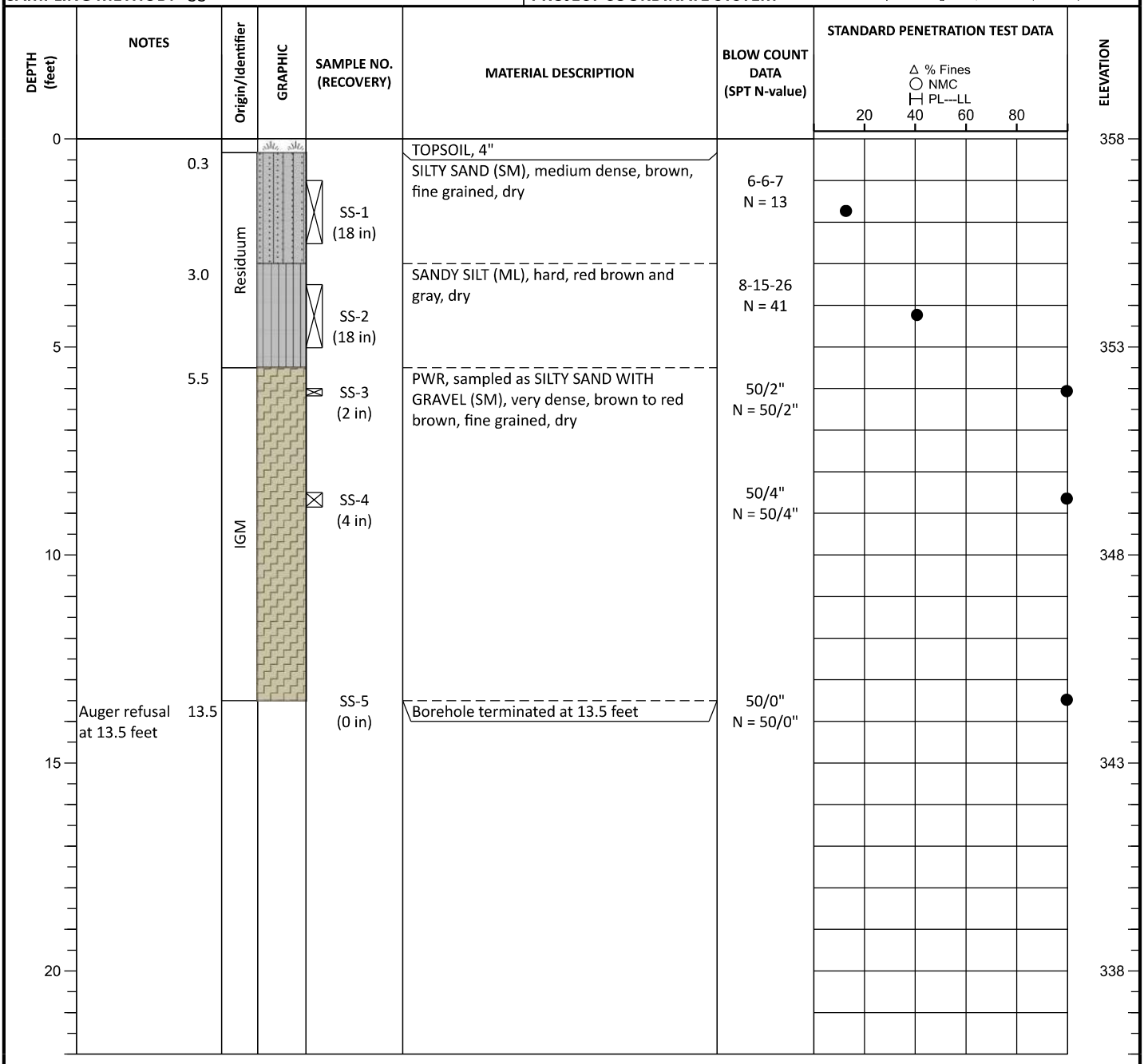
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-22 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 358 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 13.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.856725 **LONGITUDE:** -78.83292
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-23 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 328 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 6.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.858211 **LONGITUDE:** -78.83401
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES		Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0						TOPSOIL, 4"			328
		0.3	Residuum		SS-1 (18 in)	SILTY SAND WITH GRAVEL (SM), medium dense, red brown, fine grained, dry	8-14-7 N = 21		
	Hole Cave at 3.0 feet	3.0	IGM		SS-2 (2 in)	PWR, sampled as SANDY SILT WITH GRAVEL (ML), very hard, red brown, dry	50/2" N = 50/2"		
5					SS-3 (2 in)		50/2" N = 50/2"		323
	Auger refusal at 6.5 feet	6.5			SS-4 (0 in)	Borehole terminated at 6.5 feet	50/0" N = 50/0"		
10									318
15									313
20									308

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
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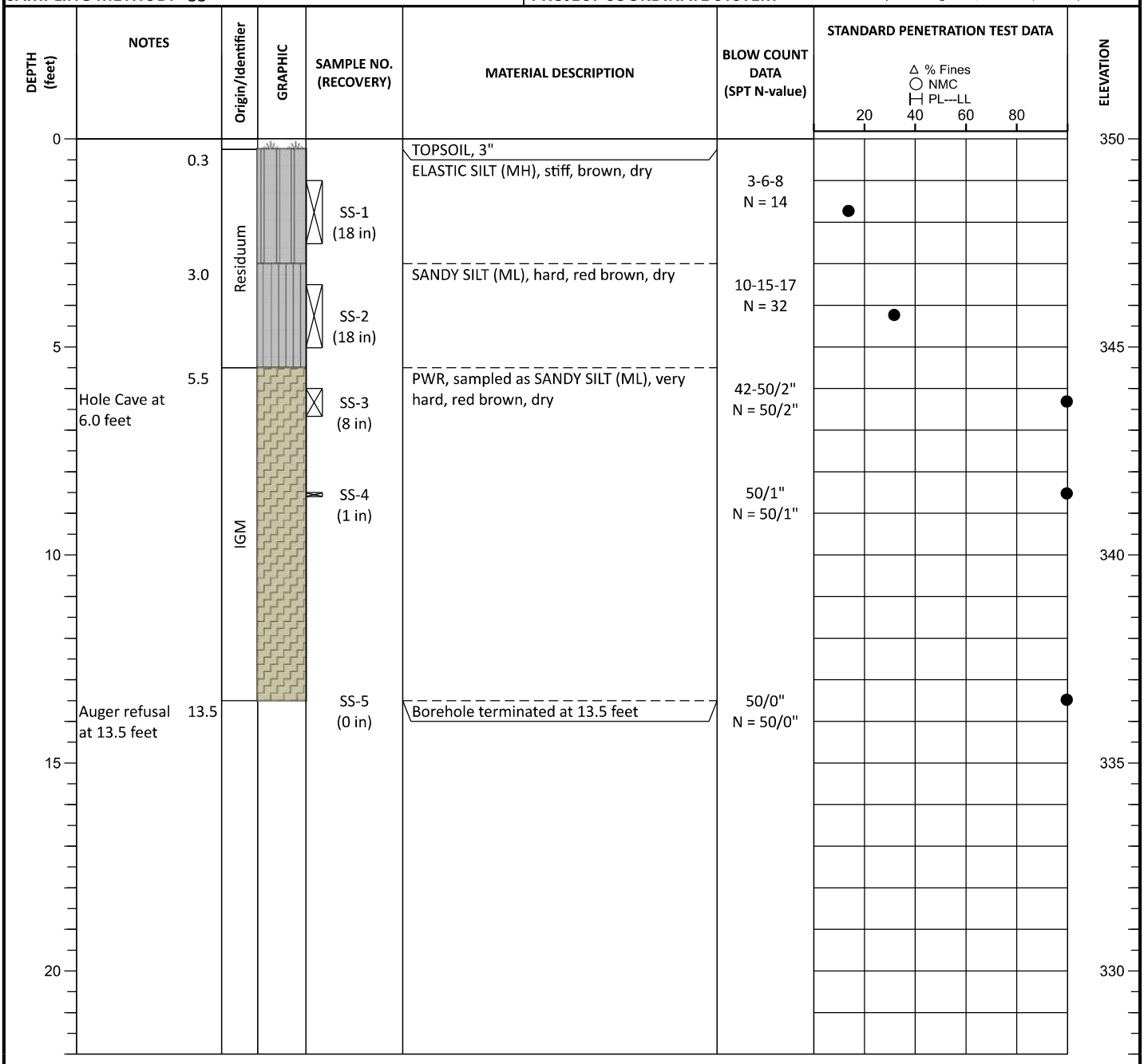
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-24 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 336 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 6.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857850 **LONGITUDE:** -78.83351
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES		Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0						TOPSOIL, 4"			336
		0.3	Residuum		SS-1 (18 in)	SILTY SAND (SM), medium dense, brown to red brown, fine grained, dry	2-3-13 N = 16		
	Hole Cave at 3.0 feet	3.0	IGM		SS-2 (9 in)	PWR, sampled as SANDY SILT WITH GRAVEL (ML), very hard, red brown, dry	23-50/3" N = 50/3"		
5									331
	Auger refusal at 6.0 feet	6.0			SS-3 (0 in)	Borehole terminated at 6.0 feet	50/0" N = 50/0"		
10									326
15									321
20									316

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

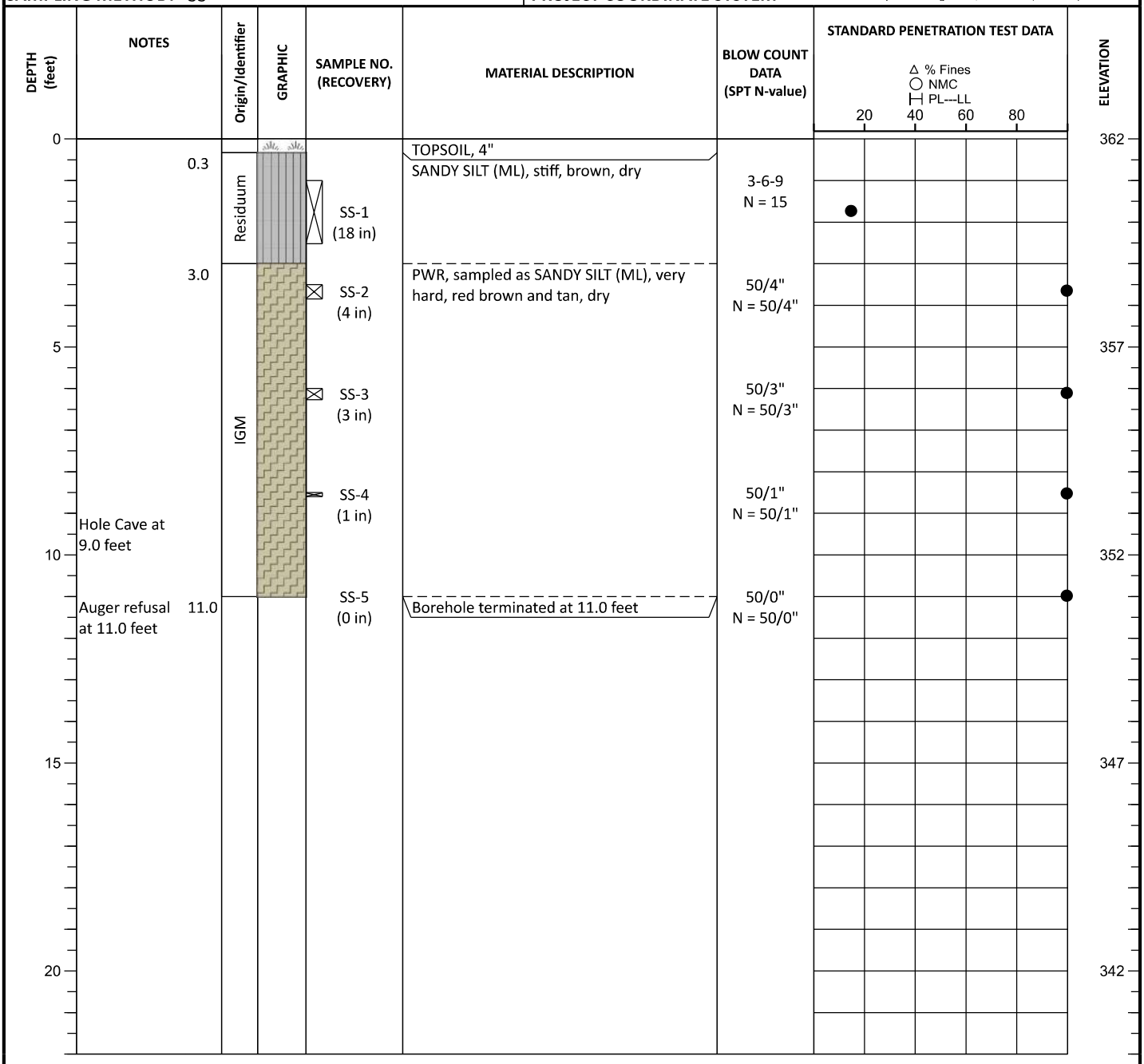
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-25 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 350 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 13.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD:	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857489 **LONGITUDE:** -78.83300
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-26 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 362 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 11.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857140 **LONGITUDE:** -78.83250
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-27 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 336 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 3.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD:	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.858621 **LONGITUDE:** -78.83359
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0								336
	0.3	IGM		SS-1 (8 in)	TOPSOIL, 4" PWR, sampled as SILTY SAND (SM), very dense, brown, fine grained, dry, trace roots, little to some clay	6-50/2" N = 50/2"	●	
	Hole Cave at 1.5 feet							
	Auger refusal at 3.5 feet 3.5			SS-2 (0 in)	Borehole terminated at 3.5 feet	50/0" N = 50/0"	●	
5								331
10								326
15								321
20								316

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	06/30/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

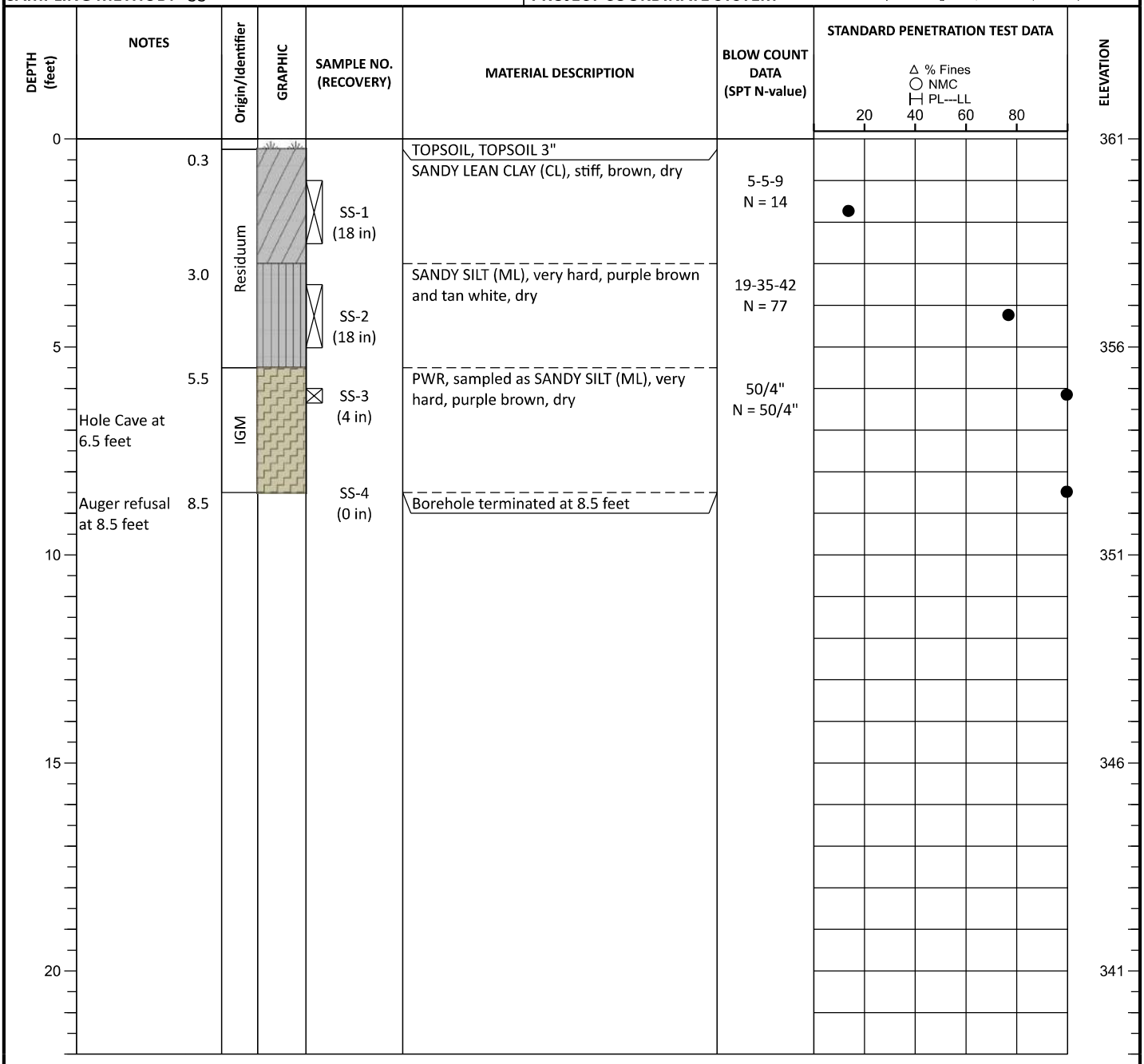
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-28 *Sheet 1 of 1*
DATE DRILLED: 06/30/2022	**ELEVATION:** 351 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 8.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.858266 **LONGITUDE:** -78.83307
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0					TOPSOIL, 4"			351
0.3		Residuum		SS-1 (18 in)	SANDY SILT (ML), very stiff, tan brown, dry, trace roots	5-9-11 N = 20		
3.0		IGM		SS-2 (3 in)	PWR, sampled as SANDY SILT (ML), very hard, brown, dry	11-50/3" N = 50/3"		
5				SS-3 (1 in)		50/1" N = 50/1"		346
8.5	Auger refusal at 8.5 feet			SS-4 (1 in)	Borehole terminated at 8.5 feet	50/1" N = 50/1"		
10								341
15								336
20								331

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-29 *Sheet 1 of 1*
DATE DRILLED: 07/06/2022	**ELEVATION:** 361 ft	**NOTES:** Boring locations and elevations should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 8.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD:	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857917 **LONGITUDE:** -78.83255
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼	07/06/2022		not encountered
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

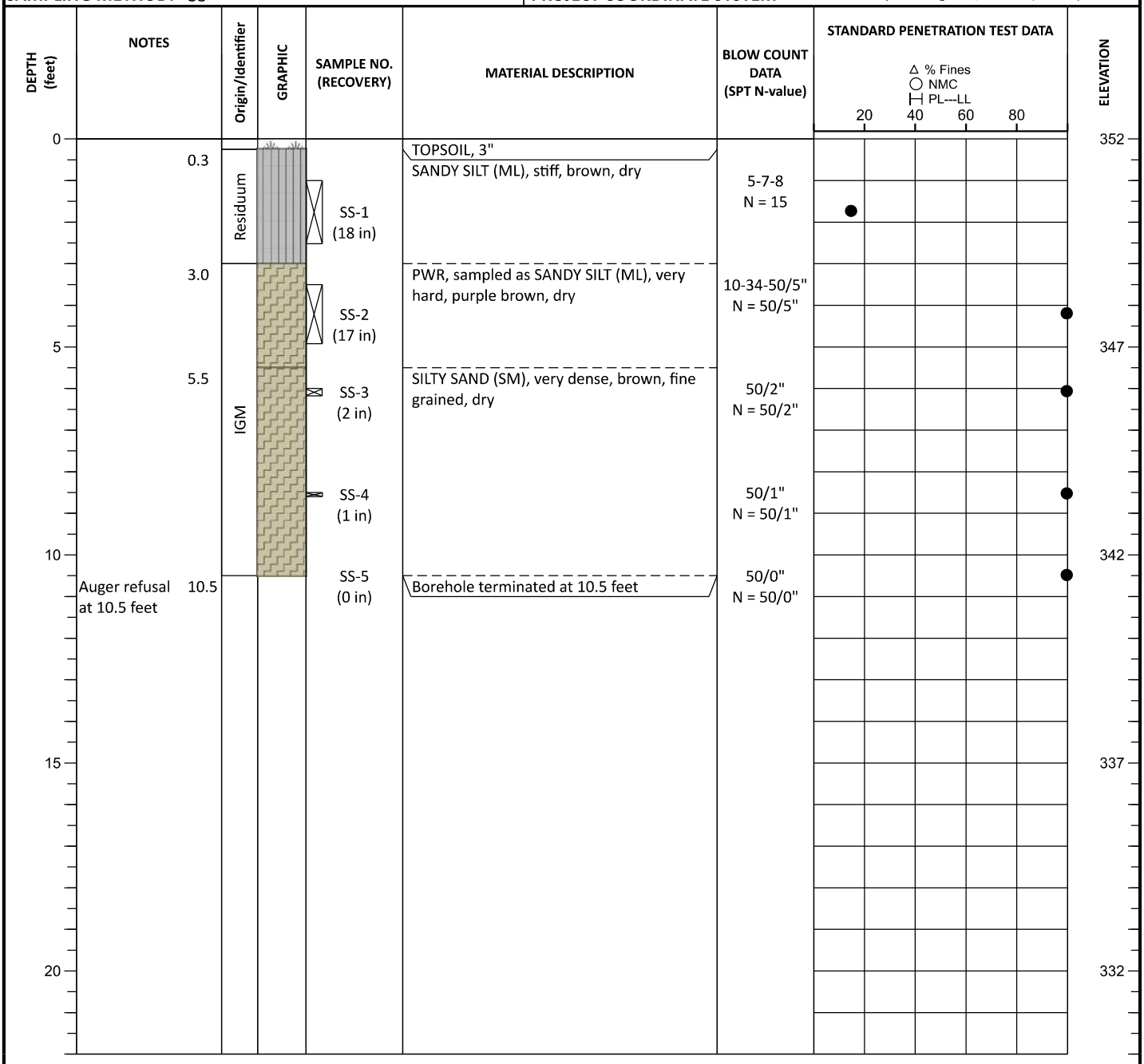
PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-30 *Sheet 1 of 1*
DATE DRILLED: 07/01/2022	**ELEVATION:** 366 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 20.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.857562 **LONGITUDE:** -78.83204
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0					TOPSOIL, 4"			366
0.3		Residuum		SS-1 (18 in)	SANDY SILT (ML), hard, brown, dry	8-21-24 N = 45		
3.0		IGM		SS-2 (9 in)	PWR, sampled as SANDY SILT (ML), very hard, red brown to purple brown, dry	25-50/3" N = 50/3"		
5				SS-3 (8 in)		26-50/2" N = 50/2"		361
				SS-4 (5 in)		50/5" N = 50/5"		
10								356
				SS-5 (9 in)		27-50/3" N = 50/3"		
15								351
				SS-6 (2 in)		50/2" N = 50/2"		
20								346
20.0					Borehole terminated at 20.0 feet			

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-31 *Sheet 1 of 1*
DATE DRILLED: 07/01/2022	**ELEVATION:** 352 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 10.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.858694 **LONGITUDE:** -78.83264
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	



GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

PROJECT:	WCBOE Future High School Morrisville, North Carolina S&ME Project No. 22050414	BORING LOG: B-32 *Sheet 1 of 1*
DATE DRILLED: 07/01/2022	**ELEVATION:** 368 ft	**NOTES:** Boring locations should be considered approximate. Boring elevations are taken from provided topographic data and should be considered approximate.
DRILL RIG: Mobile B-57	**DATUM:** NAVD88	
DRILLER: Phenom Geotech	**BORING DEPTH:** 13.5 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Matt Hartman	**LATITUDE:** 35.858333 **LONGITUDE:** -78.83212
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** World Geodetic System Longitude / Latitude (WGS 84)	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20 40 60 80)	ELEVATION
0					TOPSOIL, 4"			368
0.3		Residuum		SS-1 (18 in)	SANDY SILT (ML), stiff, brown, moist, trace roots	3-4-5 N = 9		
3.0				SS-2 (18 in)	SILTY SAND WITH GRAVEL (SM), dense, brown, fine grained, dry	11-16-20 N = 36		
5								363
5.5		IGM		SS-3 (16 in)	PWR, sampled as SILTY SAND (SM), very dense, brown to red brown, fine grained, dry	29-42-50/4" N = 50/4"		
8.0				SS-4 (11 in)	PWR, sampled as SANDY SILT (ML), very hard, red brown, dry	16-50/5" N = 50/5"		
10								358
13.5	Auger refusal at 13.5 feet			SS-5 (0 in)	Borehole terminated at 13.5 feet	50/0" N = 50/0"		
15								353
20								348

GROUNDWATER		DATE	DEPTH (FT)	REMARKS
ATD	▽			
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), AR = Auger Refusal

Morrisville
Live connected. Live well.

To: Mark Spanioli, Town Engineer

From: Eric Pearson, Capital Projects Manager

Date: December 14, 2020

Cc: Vinod Korategere, Sr. Capital Projects Manager

Subject: Undeveloped Parcel Phase I Environmental Site Assessment (PESA)

I have reviewed the Phase I Environmental Site Assessment Report for Undeveloped Woodlands, 433 Knowledge Drive, prepared by Tetra Tech, Inc., dated 11/4/2020. The assessment was performed at the request of the Town of Morrisville to evaluate a potential 2.5-acre site for a proposed acquisition from Wake Tech Community College for purposes of constructing a new fire station.

According to information obtained from the Wake County Real Estate Assessment Office, the purposed property is part of a larger 92.11-acre parent parcel of land, identified as Real Estate Identification Number 0003943, consists of undeveloped woodlands and an unnamed stream, and is currently owned by The Trustees of Wake Technical Community College.

Site surface water drains to an unnamed stream which runs from south to north along the western boundary of the purposed property to a culvert located along the northwestern corner of the purposed property. The stream flows under Paramount Parkway and eventually drains into Sorrells Grove Reservoir.

According to the North Carolina Geological Survey dated 1985 the property is underlain by the Chatham Group, Undivided. The Chatham Group, Undivided is characterized by conglomerate, fanglomerate, sandstone, and mudstone. Conglomerate and fanglomerate shown by pattern. More specific site geology is forthcoming from a subsurface soil evaluation being performed by GeoTechnologies to verify actual soil types and conditions. Preliminary information indicates that the property is underlain by shallow rock.

According to information obtained from the United States Department of Agriculture (USDA), the soil in the vicinity of the purposed property is classified as Creedmoor Sandy Loam. Creedmoor Sandy Loam is a Class C soil. Creedmoor Sandy Loam soils do not typically meet the requirements for a hydric soil, have moderately fine or fine textures, have layers that impede the downward movement of water, and have slow infiltration rates. As such, the presence of wetlands is unlikely, with the exception of the unnamed stream, and the soil conditions will influence future stormwater mitigation designs for development of the site.

According to a review of the United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) database (http://wetlandsfws.er.usgs.gov/), there are freshwater forested shrub wetlands located on the purposed property. The freshwater forested shrub wetlands make up the onsite stream which runs along the western boundary/portion of the purposed property. The NWI database further classifies the onsite stream as palustrine, scrub-shrub, broad-leaved deciduous, and temporary flooded wetlands (PSS1A). A copy of the EDR interactive map which includes wetlands is included in the EDR Radius Map Report in Appendix D, and a copy of the NWI Map is included in Appendix K.

Land use at the Subject Property has been confirmed by aerial photography back to 1938 to be undeveloped woodlands.

The assessment has revealed no evidence of recognized environmental conditions (RECs) at the purposed property or surrounding area.

The site is presently wooded with 100% tree canopy, therefore, pursuant to the UDO 10% of the tree canopy must be retained. In addition, tree stands are to be retained in the priority order listed in the UDO with the site plan designed around the highest priority trees for retention. A 10% Common open area of usable space is also required, which must be separate from the tree preservation area. A tree survey is required to be prepared and submitted as part of any application for development. Based on casual observation from the site reconnaissance, the tree coverage across the site seems to be a relatively consistent mix of tree types and sizes. A review of the aerial photographs indicates that trees have been removed from the property several times within the past 80 years. This may simplify the tree preservation to be more easily coordinated with the stream buffer, required setbacks, and along the perimeter areas of the site. According to the UDO, allowable common open areas include natural water features (including lakes, ponds, rivers, streams, rivers, wetlands, drainageways), riparian buffers, flood hazard areas, existing tree canopy and specimen trees, steep slopes, and important wildlife habitat areas, including such areas used for required public recreation area. Stormwater management devices may qualify if they support passive recreation uses by providing access and pedestrian elements such as paths, benches, and educational signage.

Recommendations:

Minor amounts of debris (scrap fiber optic conduit and trash) that were observed to be present on the property should be removed and properly disposed, as part of the routine site maintenance until development occurs.

Based on the findings of this PESA, it appears the Town may proceed with the proposed purchase and development of the site.

This PESA report should be maintained as a permanent property record, if the purchase proceeds.

12/14/2020

Concur: _____

Mark Spanioli, P.E., Town Engineer

WITHERS & RAVENEL
ENGINEERS | PLANNERS | SURVEYORS

May 25, 2005

Mr. Rick Vaughn
Granite Development
210 Airport Rd. Suite 200
Mount Airy, NC 27030

Reference: Phase II Limited Environmental Site Assessment
±81.36-Acre Site
Stone Hedge Carolinas Property
Raleigh, North Carolina
W&R Project Number: 205095.0

Dear Mr. Vaughn:

Withers & Ravenel (W&R) has completed limited Phase II Site Assessment (Phase II) activities at the ±81.36-acre Stone Hedge Carolinas Property. Assessment activities were completed to assess soil conditions in areas of the site containing above ground storage tanks and containers with petroleum as well as several tobacco barns. Activities also included removal of the tanks, buckets, and drums. The report summarizes the results of the field activities and presents our conclusions and recommendations.

Sincerely,

WITHERS & RAVENEL

K. Ty Colwell
Environmental Scientist

C. Chan Bryant, P.E.
Vice President

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EXECUTIVE SUMMARY

Withers & Ravenel, Inc. has supervised the removal of drums and buckets containing petroleum hydrocarbons and several empty aboveground storage tanks from the subject property. In certain areas evidence of potential petroleum odor and staining were observed in shallow soils. Excavation of stained soils followed by confirmation sampling or field screening was completed in several areas. The following paragraphs describe the container removal activities as well as the results of additional soil assessment and remediation activities.

Tract 1 – Garage Area (Figure 6)

- Completed numerous soil borings around garage and AST systems.
- Observed no indications of shallow soil staining in borings.
- ASTs left for resident to remove upon vacating the property.

Tract 1 – Tobacco Barn Area (Figure 3)

- Removed 1000 gallon AST from pack house.
- Completed numerous soil borings around AST and tobacco barns.
- Observed no indications of shallow soil staining in borings around ASTs or tobacco barns.

Tract 2 (Figure 4)

- Removed 2000 gallon AST and smaller AST.
- Field observations indicated no indications of petroleum staining in shallow soils.
- Observed no indications of shallow soil staining in borings around ASTs or tobacco barns.

Tracts 4 & 5 (Figure 3)

- Completed exploration of soil piles with backhoe.
- Field observations indicated no indications of petroleum staining in stockpiled soils.

Tract 6 (Figure 5 & 7 / Table 1)

- Removed numerous buckets containing liquids.
- Completed assessment of shallow soils following removal of buckets (Figure 5 / Table 1).
- Identified oil and grease at levels exceeding NCDWQ Action Limits in shallow soils.

- Excavated soils for offsite disposal (less than 10 tons).
- Analyses of post excavation samples indicated oil and grease concentrations below NCDWQ Action Limits (Figure 7/ Table 1).

Tract 7 - Mound of Trash / Buried Debris

- Completed exploration of trash piles and debris using backhoe.
- Encountered only inert debris with no obvious staining.
- No samples collected for analyses.

Tract 7 – Drum Area (Figure 8 / Table 1)

- Removed two drums filled with suspected petroleum products.
- Excavated soils with petroleum staining beneath drums (required two phases of excavation).
- Post excavation analyses indicated final confirmation samples contained oil and grease below NCDWQ action limits.

Conclusions

The AST and containers with liquids have been removed from the property per the previous recommendations of Wachovia. Areas of petroleum staining have been excavated for offsite disposal in the vicinity of the former drums and buckets referenced in this report. Post excavation analyses indicates that concentrations of all targeted analytes are below method limits in shallow soils.

Based on the findings of this work it appears that no additional investigation or remediation is warranted for the areas formerly containing ASTs and buckets and drums containing petroleum hydrocarbons.

In keeping with our recommendations of the Phase I ESA, Withers & Ravenel recommends that groundwater not be used on the property due to the historic presence of groundwater contamination in the area from the adjacent Koppers facility.

TABLE OF CONTENTS

1 Purpose

Withers & Ravenel (W&R) has performed a limited Phase II Environmental Site Assessment (ESA) for the ±81.36-acre property, owned by Stone Hedge Carolinas LP, located northeast of the intersection of Chapel Hill Road and Watkins Road in Morrisville, Wake County, North Carolina (Figure 1). The Phase II activities were concentrated in certain areas of the site in which the Phase I Environmental Site Assessment (ESA), completed by W&R on March 2, 2005, and /or the correspondence from David Greene and Doug Cortese at Wachovia, identified potential sources of contamination. The intent of the Phase II ESA was to determine if petroleum impacted soil is present adjacent to above ground storage tanks (ASTs), 5-gallon buckets, and 55-gallon drums found on the site and observe for potential impacts from several soil piles dumped on the site. Improper use of petroleum ASTs have the potential to impact the subject property. Three tobacco barns, possibly heated by heating oil ASTs, were included in the assessment activities.

The Phase II ESA was performed as a limited investigation to identify potential impacts to soil and groundwater and does not represent a comprehensive investigation to define the degree and extent of contaminant migration from a known contaminant source. If conditions at the site change or additional information become available which would materially affect the nature of the report, we request that we be contacted so that any change in conditions can be properly reviewed and our report amended accordingly.

2 Background

W&R observed several areas on the site that were considered as RECs during completion of the Phase I ESA Update in March 2005 (See Figure 2). The following paragraphs describe each of the RECs identified and the areas identified in correspondence from David Greene and Doug Cortese at Wachovia:

ASTs, 5-Gallon Buckets, and 55-Gallon Drums

Approximately six tanks, several drums, and 5-gallon buckets were observed on site. W&R proposed to remove four of the six tanks from the site (excluding the two the tenant at 10908 Chapel Hill Road plans to remove). Only 5-gallon buckets capped with liquid and whole 55-gallon drums were proposed for removal. Four drums were observed on Tract 7. Two of the drums were empty, while two of the drums appeared to be filled with a thick oil substance. One of the drums filled with possible oil was labeled "Acetone". Obvious staining and odors were noted in the area around this drum.

Buried Debris Areas

Two areas of solid waste/debris were observed on Tract 7. Because of the ground cover, W&R was unable to account for the composition of debris in each pile. A mound of possible trash covered with soil was noted in a separate area. W&R could not determine if buried material was located inside the raised area.

Above Ground Fuel Storage Tank-Tobacco Barns

Three tobacco barns were noted on Tract 1 of the property. Burners and fuel lines were observed inside of the tobacco-curing barns. A regulator was observed on the exterior of one of the barns. Fuel oil use was common among tobacco farms during the late 1960's/early 1970s. Spills or leaks of fuel from the tanks and fuel lines may have occurred that could result in soil and groundwater contamination in proximity to the barns. Without information through the interview process about the heating method used for the tobacco-curing barns, W&R could not discount the possibility of fuel oil use on the site.

Soil Piles on Tract 4

W&R noted on the 1988 aerial that soil was placed on the western and northern edge of Tract 4. Interviews conducted regarding the site revealed that the topsoil was brought in after the construction of the nearby Southport Subdivision. The material was said to be clean soil removed during construction activities.

Additional Areas

Garage Area

Through additional field activities and an additional interview, W&R was able to determine that the garage located on Tract 1 was previously utilized for car maintenance. According to the present tenant who has lived at the site for approximately 8 years, oil changes and other operations have taken place. W&R gained entrance into the garage and noted that the tenant had placed a concrete floor in the garage. No signs of floor drains were noted. The tenant told W&R that he does not complete engine work "anymore" at the site and oil is contained and properly removed during oil changes.

Groundwater / Water Supply Well Use

The Koppers industrial facility created regional groundwater contamination from a release of pentachlorophenol. A groundwater monitoring well was observed on Tract 3 of this property used for monitoring groundwater conditions beneath the site. A consultant's previous Phase I ESA suggested that the concentrations of compounds in groundwater decreased once remediation of the site was initiated. W&R feels that this incident is not an REC and should not pose an environmental problem to property for commercial, residential, and office use with municipal water and sewer services. W&R recommends that groundwater not be used on site for any reason including potable water, irrigation, or in any other domestic capacity unless groundwater monitoring wells are installed to assess potential impacts.

3 Field Activities

Environmental assessment and debris removal activities were divided into two separate tasks. The initial task focused on the removal of the drums, ASTs, and bulk containers of liquids scattered across the property and the investigation of the soil and debris piles. The second task focused on the assessment of shallow soil conditions in proximity to the ASTs, drums, and miscellaneous containers of liquids on the property.

During activities, soil was removed from the borings or test areas and collected for sampling. Representative soil samples were collected from each boring/test area were collected in individual zip-lock bags. The retained soil samples were visibly field classified and then field screened using a Photovac Micro-tip HL-2000 Photo Ionization Detector (PID) or a Foxboro Century Model 128 organic vapor analyzer (OVA) for the presence of volatile organic compounds (VOCs) typical of potential petroleum hydrocarbons. The PID is an industry accepted scanning device used to detect the presence of organic vapors, but is not relied entirely upon to determine specific levels of contamination.

REMOVAL ACTIVITIES AND SOIL/DEBRIS ASSESSMENT

W&R initially mobilized to the site with Mr. Danny Blackburn, who provided a Bobcat for the removal activities. Mr. Blackburn removed the following AST systems on each tract:

W&R removed the 1,000-gallon AST, the 270-gallon AST, and three drums near the tobacco barns, the 2,000-gallon AST, the AST near the suspected grill, and three drums on Tract 2, drums from the northern side of Tract 3, and one drum from Tract 8. Soil beneath the ends of the tanks and the drum areas, excluding the 1,000-gallon AST inside the shelter and the tank near the suspected grill, were excavated approximately one foot below land surface (bls) and analyzed with the PID. Soil samples were found to contain PID concentrations less than 6 ppm, which is considered instrument variance.

W&R also excavated the possible buried debris area/mound on Tract 7. Approximately two to three feet of soil was removed from the elevated area. No buried trash was revealed in the mound. No signs of staining or odors were noted in the soil. W&R also dug through the trash area approximately 60 feet east of the drums on Tract 7 in order to characterize the material. Inert debris typical of residential and farm use was observed. No signs of contamination or odors were noted from the area.

W&R then used the Bobcat to excavate through some of the soil mounds found on the western side of Tract 4. Only a few soil piles could be excavated due to some large trees. W&R later returned with A&D Environmental & Industrial Services, Inc. (A&D) and a backhoe to expose the remaining piles. No signs of debris or trash were noted in the soil piles. No obvious signs of staining or odors were observed. Soil samples from each pile were found to contain PID or OVA concentrations less than 6 ppm, which is considered instrument variance.

SOIL ASSESSMENT ACTIVITIES

W&R mobilized to the site on May 3, 2005 to assess soil quality. W&R personnel installed approximately 31 soil borings with a decontaminated steel hand auger in the following areas of the site: 1) Tobacco Barns on Tract 1 – four borings were conducted outside of each of the three barns, four additional borings were conducted inside the middle barn near the fuel lines and burners. The outside barns were not structurally safe to enter. One boring on the outside of the barn was conducted beneath the tractor containing a drum, 2) Shelter –two borings were conducted beneath the 1,000-gallon AST located under the shelter of the possible pack house on Tract 1, 3) Possible Grill Area – two borings were conducted beneath the AST area surrounded by a cinderblock wall, 4) Residential Area – two borings were conducted beneath each end of the former 550-gallon heating oil ASTs and four borings were conducted around the outside of the garage/workshop. See **Figures**

3 through 6 for the soil boring locations. See **Appendix A** for a copy of the laboratory report and chain-of-custody.

The borings were conducted approximately between 1.5 and three feet bls where refusal was met in very stiff/hard silts and clay. Field classification of soils encountered generally indicated sandy silts or silty clay are present at the site. Soil samples collected from the borings were found between 0 ppm and 12 ppm. Samples containing field instrument concentrations less than 6 ppm are typically considered instrument variance. W&R felt that the remaining readings noted were due to high organic matter and high moisture content in the soil. The soils encountered on site were stiff silts and clays with low permeability.

No obvious petroleum odors or staining was observed in the surficial soils during drilling activities and significant PID or OVA readings were not received. Therefore, soil was not collected for analysis from these areas. W&R believes that the areas were not "grossly contaminated" and will not interfere with use of residential, office, and commercial property utilizing municipal water and sewer services.

Five-Gallon Bucket Area

Three borings were conducted under the buckets north of several trees on Tract 6 (Figure 7). The buckets south of the tree were observed on plastic. Therefore, samples were not conducted in this area. One boring conducted on the north side bucket area revealed an elevated PID reading of 30 parts per million (ppm) from 1 to 2 feet bls. Therefore, a soil sample was collected from that interval for volatile organics using EPA Method 8260 and for total petroleum hydrocarbon (TPH) analysis using EPA Method 5030 (gasoline range) and 3550 (diesel range) for low and high boiling point fractions, respectively. Under proper chain-of-custody, the samples were transported to Environmental Science Corporation (ESC), Inc in Mount Juliet, Tennessee for analysis. Analyses of the soil sample collected from sample location B-3 revealed concentrations of high boiling point TPHs above North Carolina Division of Water Quality (NCDWQ) standards. Soil analyses information is summarized in Table 1. Results of EPA Method 8260 and low boiling point fuels by EPA Method 3550 revealed all constituents either below laboratory detection limits or below NCDWQ standards.

W&R and A&D Environmental returned to the site on May 20, 2005 to remove the contaminated soil. Approximately 15 cubic yards was excavated and disposed at Earthtec Environmental, Inc. in Sanford, NC. See the waste manifest in **Appendix B**. W&R then collected final confirmation soil samples from the base and sidewalls of the excavation for TPH high and low using EPA Method 5030 and 3550 and for oil & grease using EPA Method 9071. All five samples were collected in laboratory-cleaned containers with disposable gloves and placed in a cooler of ice. The final excavation boundary measured approximately 8.0 feet long by 8.5 feet wide by approximately 6.0 feet bls (**Figure 3**). No groundwater was encountered during the completion of the UST closure activities. Analyses of the floor and sidewall soil samples indicated that no compounds were detected above laboratory reporting limits. See **Appendix A** for a copy of the laboratory reports and chain-of-custody.

Drum Area – Tract 7

On May 6, 2005, W&R and A&D mobilized to the site to assess the 55-gallon liquid containing drum area on Tract 7 (Figure 8). A&D removed the two drums from their positions, uncapped them, and tested the liquids with a field test kit for chlorine and pH. According to A&D, the test was positive for halogenated material (possible chlorinated containing material) at very low levels. A&D felt that the liquid in the drum was presently used oil but chlorinated solvents may have placed in the drum at one time. After testing, A&D removed the drum and disposed of it and its contents at their facility in Archdale, NC. See the material manifest in **Appendix C.** A&D then excavated the soil and vegetation beneath the two drums until all staining and odors were removed. Excavation boundaries measured approximately 3 feet by 5 feet by 1-foot deep and 3 feet by six feet by 1-foot deep. Soil was temporarily stockpiled on plastic. A representative grab soil sample was collected from the floor of each excavation. Under proper chain-of-custody, the samples were transported to ESC. Soil samples were collected for analysis of fractionated oil & grease using EPA Method 9071 with a silica gel cleanup and volatile organics by EPA Method 8260. A composite sample was collected from both areas and analyzed by EPA Method 8082 for PCB's and for lead and chromium. One additional boring was conducted and a soil sample, BS, was collected approximately 17 feet up gradient from the western excavation area for background levels of lead and chromium for the site.

Analyses of soil sample P1F collected from the eastern excavation area, identified oil and grease at 1,400 milligrams per kilogram (mg/kg), which exceeded the North Carolina Division of Water Quality (NCDWQ) action limit of 250 mg/Kg. The remaining samples were found either below laboratory detection limits or below NCDWQ standards. Results of EPA Method 8260 revealed all constituents below laboratory detection limits in both samples (P1F and P2F). Samples collected for PCB's by EPA Method 8082 and lead and chromium revealed all constituents either below laboratory detection limits or below NCDWQ standards. See **Table 1** for soil summary information.

Therefore, W&R returned to the site to excavate the remaining area of contamination from the eastern drum area. Soil was excavated and, along with the previously excavated soil, disposed at Earthtec Environmental, Inc. in Sanford, NC. See the soil manifests in **Appendix B.** W&R then collected confirmation soil samples from the base and sidewalls of the excavation for oil & grease using EPA Method 9071. All five samples were collected in laboratory-cleaned containers with disposable gloves and placed in a cooler of ice and transported to Chemical & Environmental Technology, Inc. (CET) in Cary, North Carolina. The excavation boundary measured approximately 6.0 feet long by 8.0 feet wide by approximately 3.0 feet bls (**Figure 3**). Excavation below this point could not be completed due to very stiff silts and siltstone. Analyses of the floor and sidewall soil samples indicated that the soil collected from sample location E-1-N exceeded NCDWQ standards. The remaining samples were found either below laboratory detection limits or below NCDWQ standards. Soil analyses information is summarized in **Table 1**.

An additional assessment was completed to define the extent of the impacts in soil beyond sample E-1-N. A soil sample, E-2-N-3, was collected via hand auger and submitted to CET for analysis of oil & grease. Due to time constraints, W&R returned to the site the next day and over excavated the remainder of the soil area. Analyses of the final post excavation samples indicated oil and grease concentrations were below the NCDWQ standards of 250 mg/kg. See **Appendix A** for a copy of the laboratory reports and chain-of-custody.

4 Conclusions

Removal activities

The proposed ASTs, drums, and 5-gallon buckets have been removed from the site. In addition, the debris piles, soil piles, and possible buried debris areas have been investigated. No obvious petroleum/chemical odors, staining, or elevated PID or OVA readings were noted in the soil/debris areas. Therefore, W&R recommends that the inert material and soil be removed during grading activities.

Bucket Area

High fraction petroleum soil contamination was found in a sample collected from the bucket area on Tract 6. The soil area was properly excavated and removed for off site disposal. Confirmation soil samples revealed all constituents were either below laboratory detection limits or below NCDWQ standards.

Drum Area

Two drums that appeared to be filled with a thick oil substance were removed from the site. W&R completed a series of assessments activities and excavations to properly remove the contaminated soil beneath the drums from the site. Confirmation soil samples of the final excavation areas were either found below laboratory detection limits or below NCDWQ standards.

As such, no additional assessment appears warranted based on the results of the assessment data collected to date. Please note that these opinions are based upon currently available data concerning the subject site, and as such, if additional data becomes available for the site that W&R reserves the right to review the data and adjust our opinions accordingly.

Please do not hesitate to contact us at (919) 460-6006 with any questions or comments in this matter.

Sincerely,

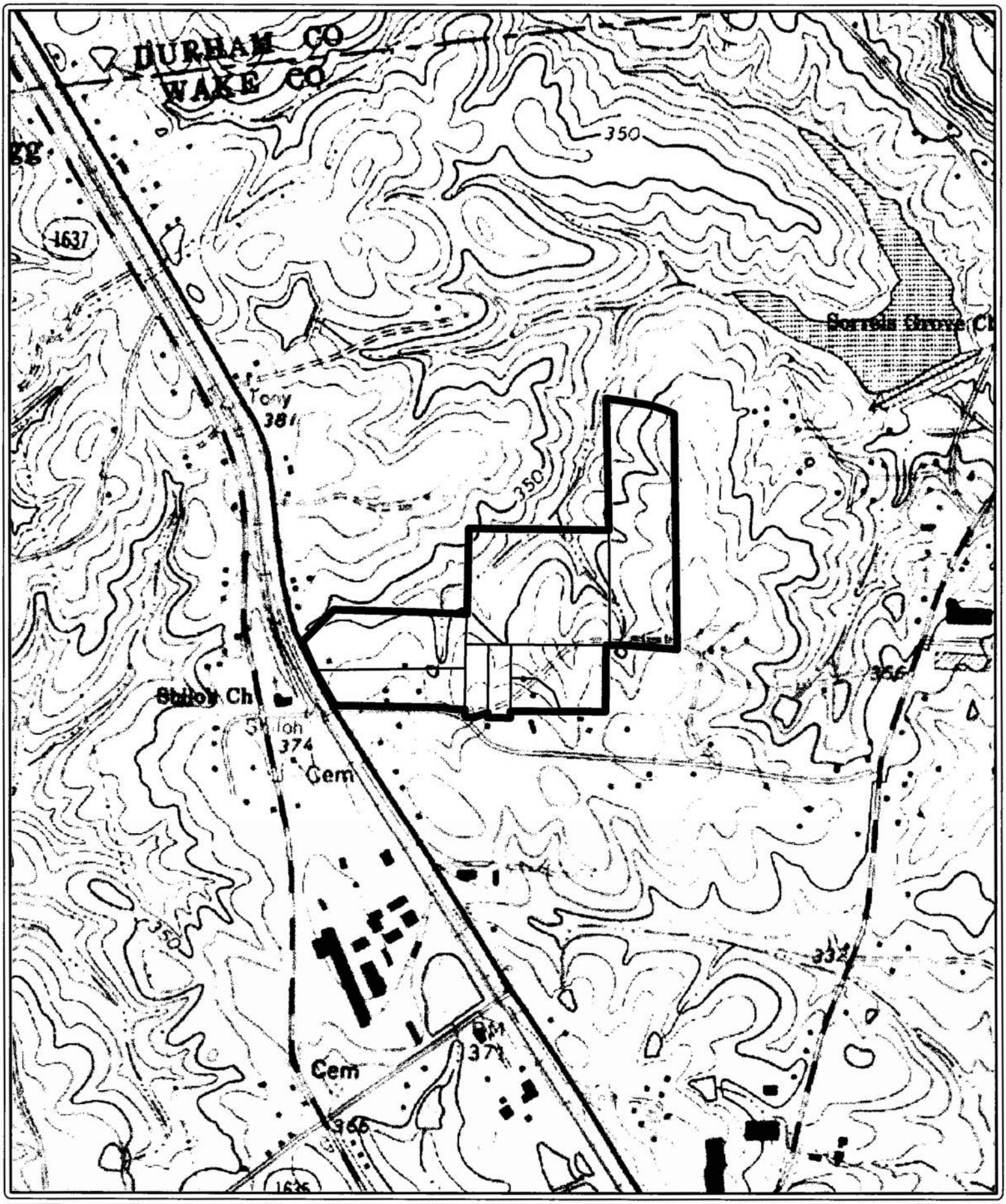
WITHERS & RAVENEL

K. Ty Colwell
Environmental Scientist

C. Chan Bryant, P.E.
Vice President

Enclosure

FIGURES



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GENERAL LOCATION MAP
STONE HEDGE CAROLINAS PROPERTY
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA
USGS CARY, NC
7.5 min. Quadrangle

DRAWN BY:	SCALE:	FIGURE NO.
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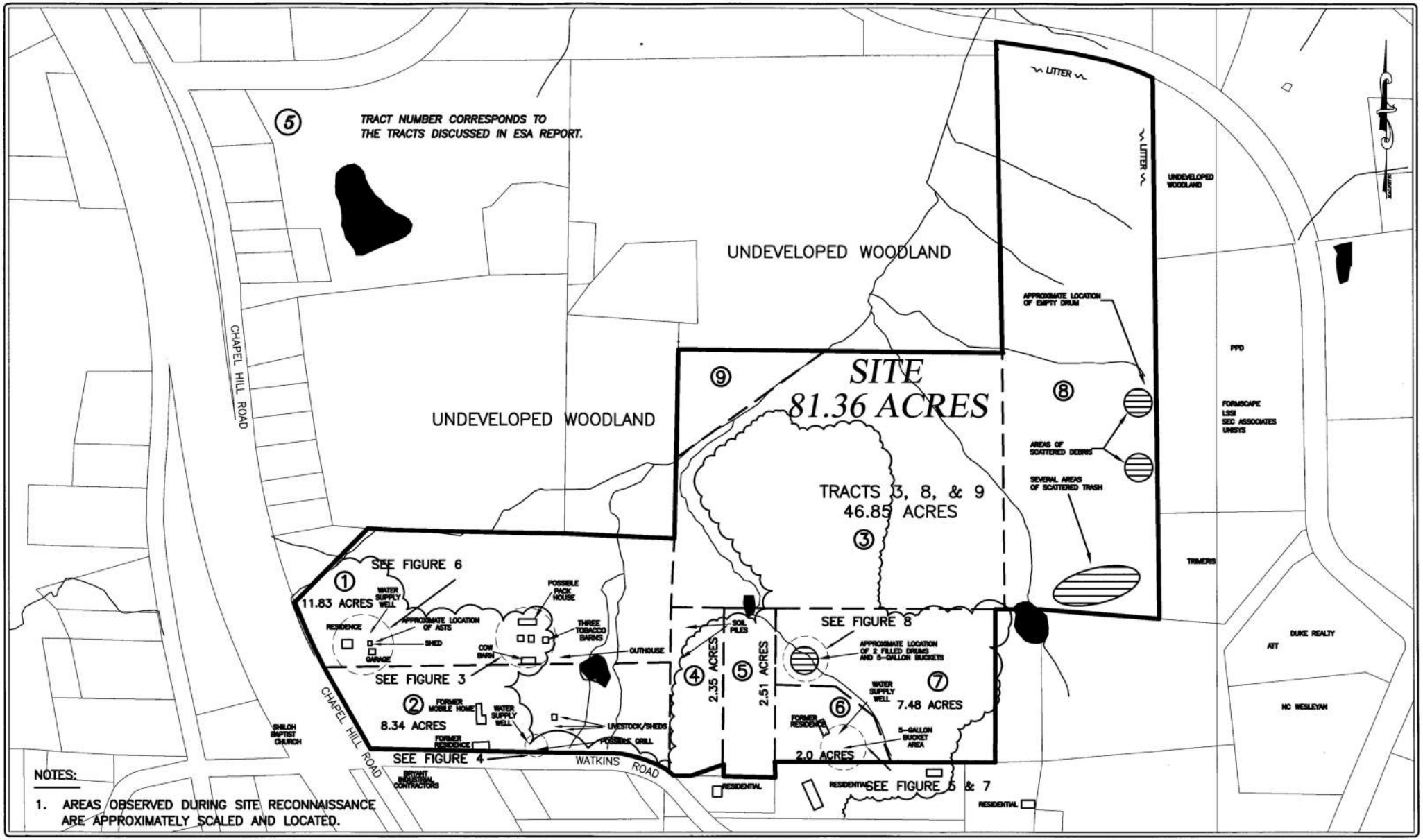
APPROVED BY:	DATE:	JOB NO:
KTC	2/28/05	205095.0



NOTES:

1. AREAS OBSERVED DURING SITE RECONNAISSANCE ARE APPROXIMATELY SCALED AND LOCATED.

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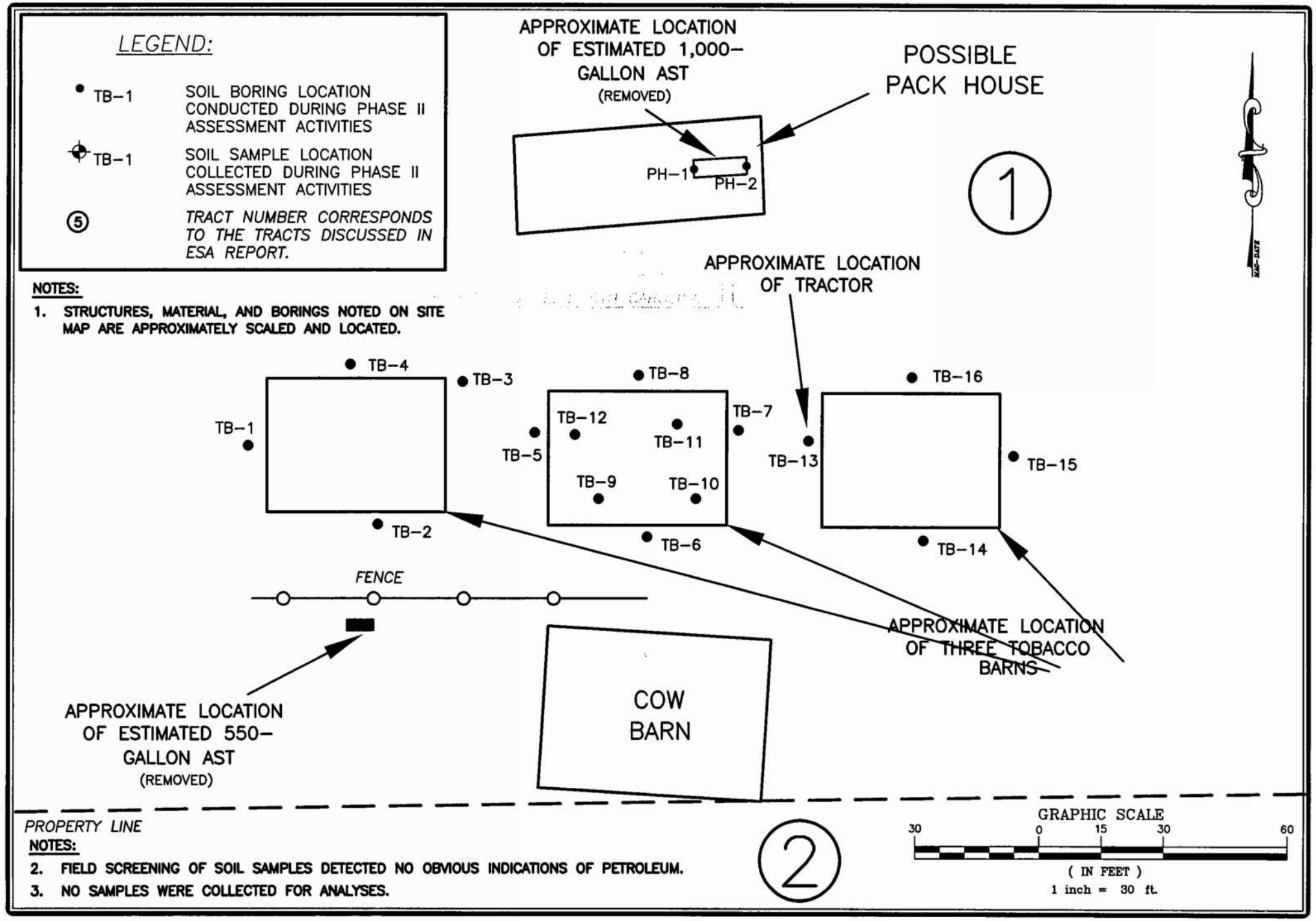
Revisions			
No.	Description	Date	By

81.36-ACRE SITE
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA

SITE MAP

Drawn By	Scale
KTC	1"=300'
Checked By	Date
CCB	3/1/05

Job No. 205095.0
Sheet No. 2



NOTES:

1. **STRUCTURES, MATERIAL, AND BORINGS NOTED ON SITE MAP ARE APPROXIMATELY SCALED AND LOCATED.**

NOTES:

2. **FIELD SCREENING OF SOIL SAMPLES DETECTED NO OBVIOUS INDICATIONS OF PETROLEUM.**
3. **NO SAMPLES WERE COLLECTED FOR ANALYSES.**

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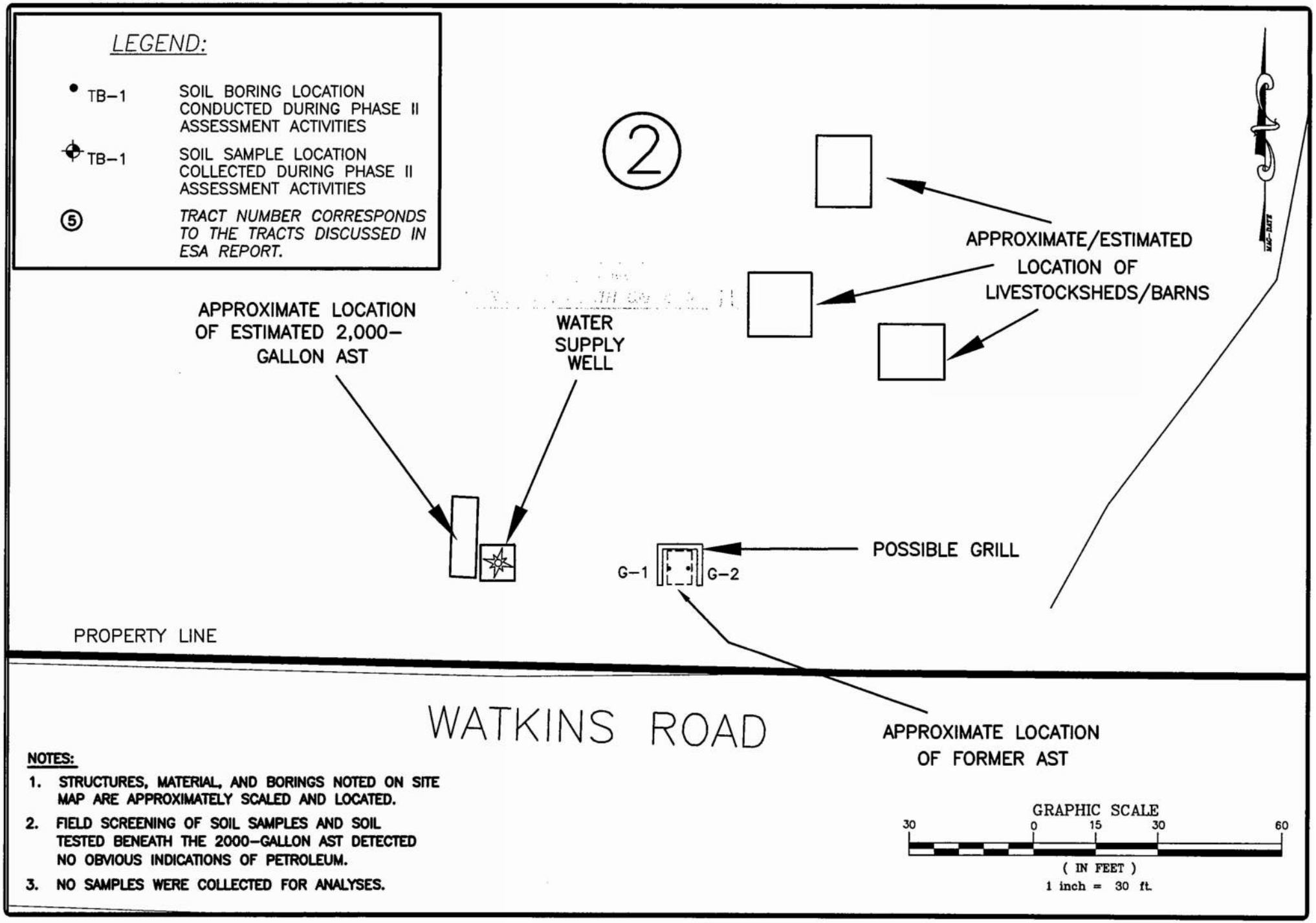
81.36-ACRE SITE
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA

TOBACCO BARNS

Drawn By	Scale
KTC	1"=30'
Checked By	Date
CCB	5/10/2005

Job No.
205095.0
Sheet No.
3



NOTES:

1. STRUCTURES, MATERIAL, AND BORINGS NOTED ON SITE MAP ARE APPROXIMATELY SCALED AND LOCATED.
2. FIELD SCREENING OF SOIL SAMPLES AND SOIL TESTED BENEATH THE 2000–GALLON AST DETECTED NO OBVIOUS INDICATIONS OF PETROLEUM.
3. NO SAMPLES WERE COLLECTED FOR ANALYSES.

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81.36–ACRE SITE
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA

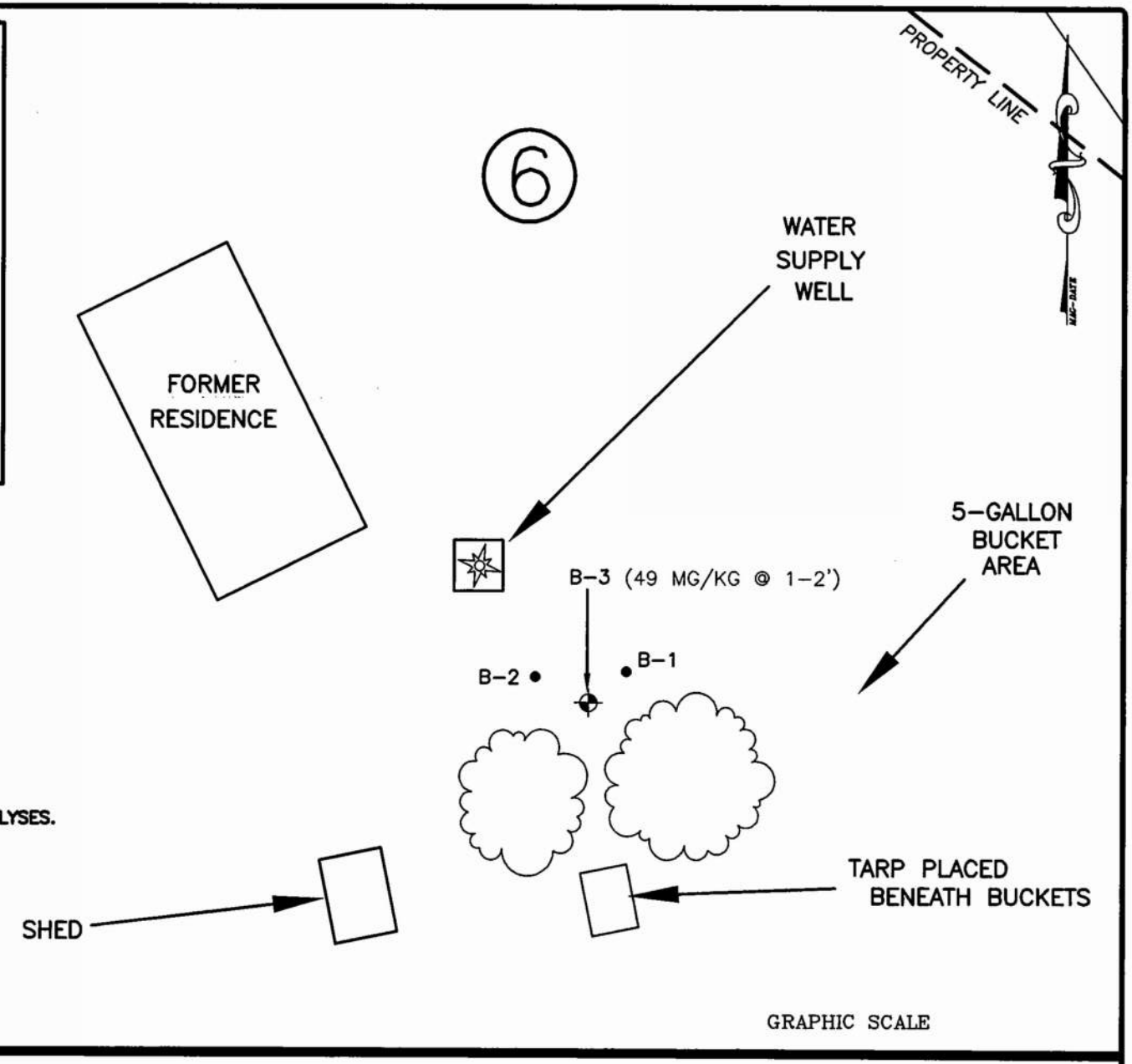
GRILL AREA

Drawn By	Scale
KTC	1"=30'
Checked By	Date
CCB	5/10/2005

Job No.
205095.0
Sheet No.
4

LEGEND:

• TB–1	SOIL BORING LOCATION CONDUCTED DURING PHASE II ASSESSMENT ACTIVITIES
⌖ TB–1	SOIL SAMPLE LOCATION COLLECTED DURING PHASE II ASSESSMENT ACTIVITIES
⑤	*TRACT NUMBER CORRESPONDS TO THE TRACTS DISCUSSED IN ESA REPORT.*
(10)	CONCENTRATION OF TPH–HIGH CONCENTRATIONS (mg/kg)
BQL	BELOW LABORATORY QUANTITATION LIMITS



NOTES:

1. **STRUCTURES, MATERIAL, AND BORINGS NOTED ON SITE MAP ARE APPROXIMATELY SCALED AND LOCATED.**
2. **FIELD SCREENING OF SOIL SAMPLES B–1 AND B–2 DETECTED NO OBVIOUS INDICATIONS OF PETROLEUM.**
3. **SAMPLES B–1 & B–2 WERE NOT COLLECTED FOR ANALYSES.**

PROPERTY LINE

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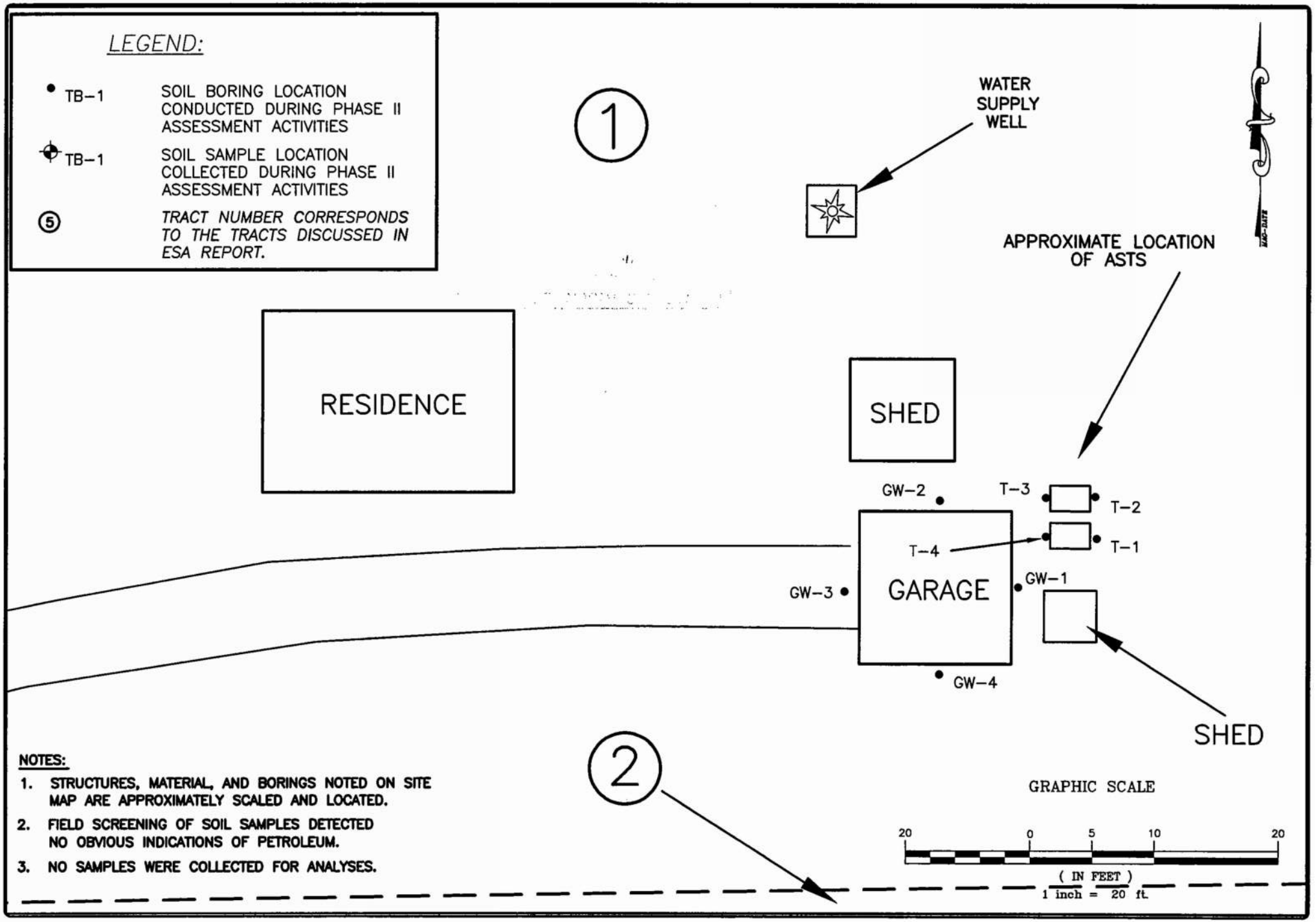
81.36–ACRE SITE
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA

BUCKET AREA

Drawn By: KTC	Scale: 1"=30'
Checked By: CCB	Date: 5/10/2005

Job No. 205095.0
Sheet No. 5



NOTES:

1. STRUCTURES, MATERIAL, AND BORINGS NOTED ON SITE MAP ARE APPROXIMATELY SCALED AND LOCATED.
2. FIELD SCREENING OF SOIL SAMPLES DETECTED NO OBVIOUS INDICATIONS OF PETROLEUM.
3. NO SAMPLES WERE COLLECTED FOR ANALYSES.

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81.36-ACRE SITE
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA

RESIDENTIAL ASTS

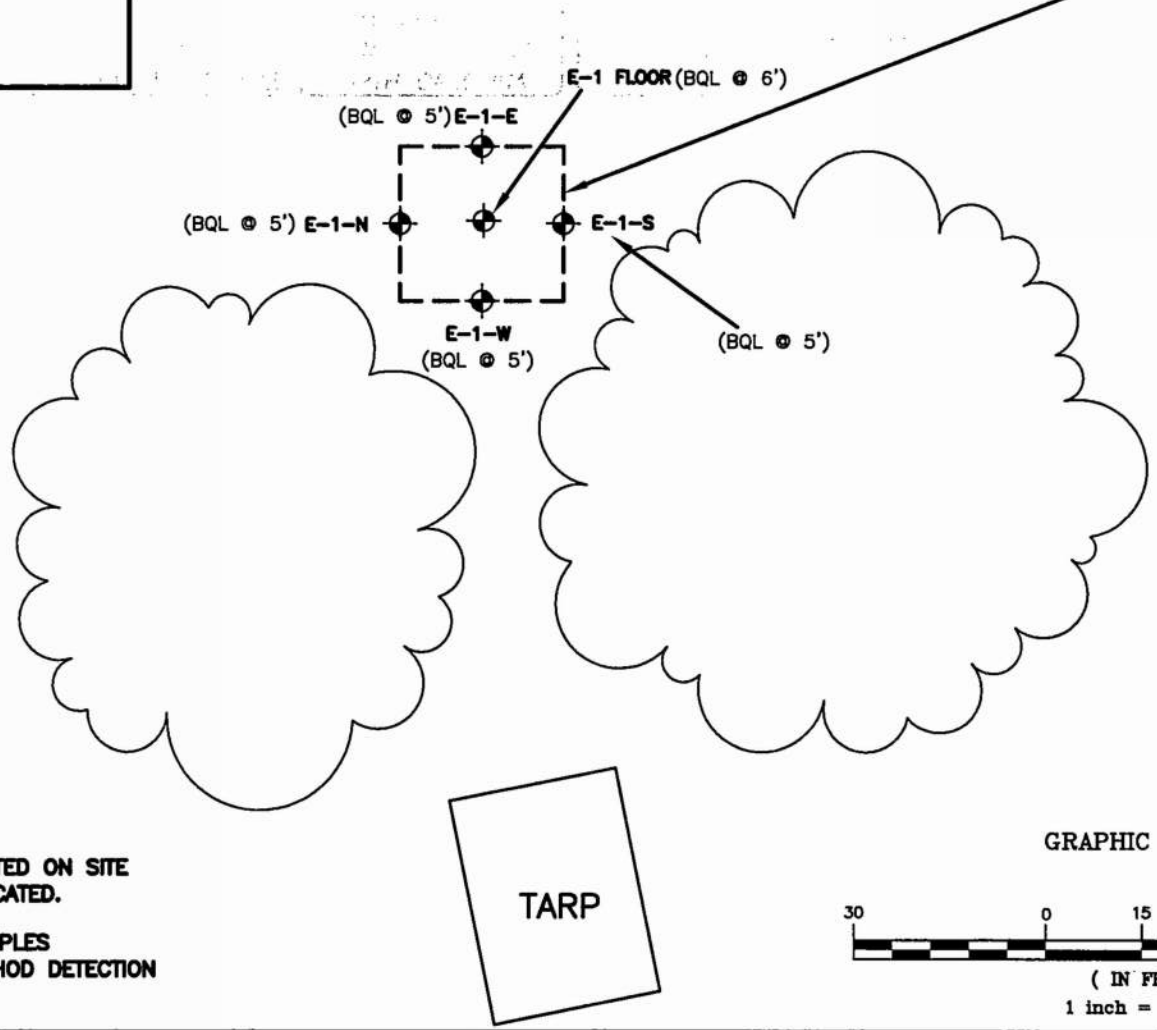
Drawn By	Scale
KTC	1"=20'
Checked By	Date
CCB	5/10/2005

Job No.	
205095.0	
Sheet No.	
6	

LEGEND:

TB–1	CONFIRMATION SAMPLE LOCATION COLLECTED DURING EXCAVATION ACTIVITIES
⑤	*TRACT NUMBER CORRESPONDS TO THE TRACTS DISCUSSED IN ESA REPORT.*
(10)	CONCENTRATION OF OIL & GREASE TPH (mg/kg)
BQL	BELOW LABORATORY QUANTITATION LIMITS

⑥



NOTES:

1. **STRUCTURES, MATERIAL, AND BORINGS NOTED ON SITE MAP ARE APPROXIMATELY SCALED AND LOCATED.**
2. **ANALYSES OF POST EXCAVATION SOIL SAMPLES INDICATED ALL ANALYTES ARE BELOW METHOD DETECTION LIMITS FOR TPH AND OIL & GREASE.**

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)

1 inch = 30 ft.

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81.36–ACRE SITE
CHAPEL HILL ROAD & WATKINS ROAD
MORRISVILLE, NORTH CAROLINA

BUCKET AREA EXCAVATION

Drawn By	Scale
KTC	1"=10'
Checked By	Date
CCB	5/10/2005

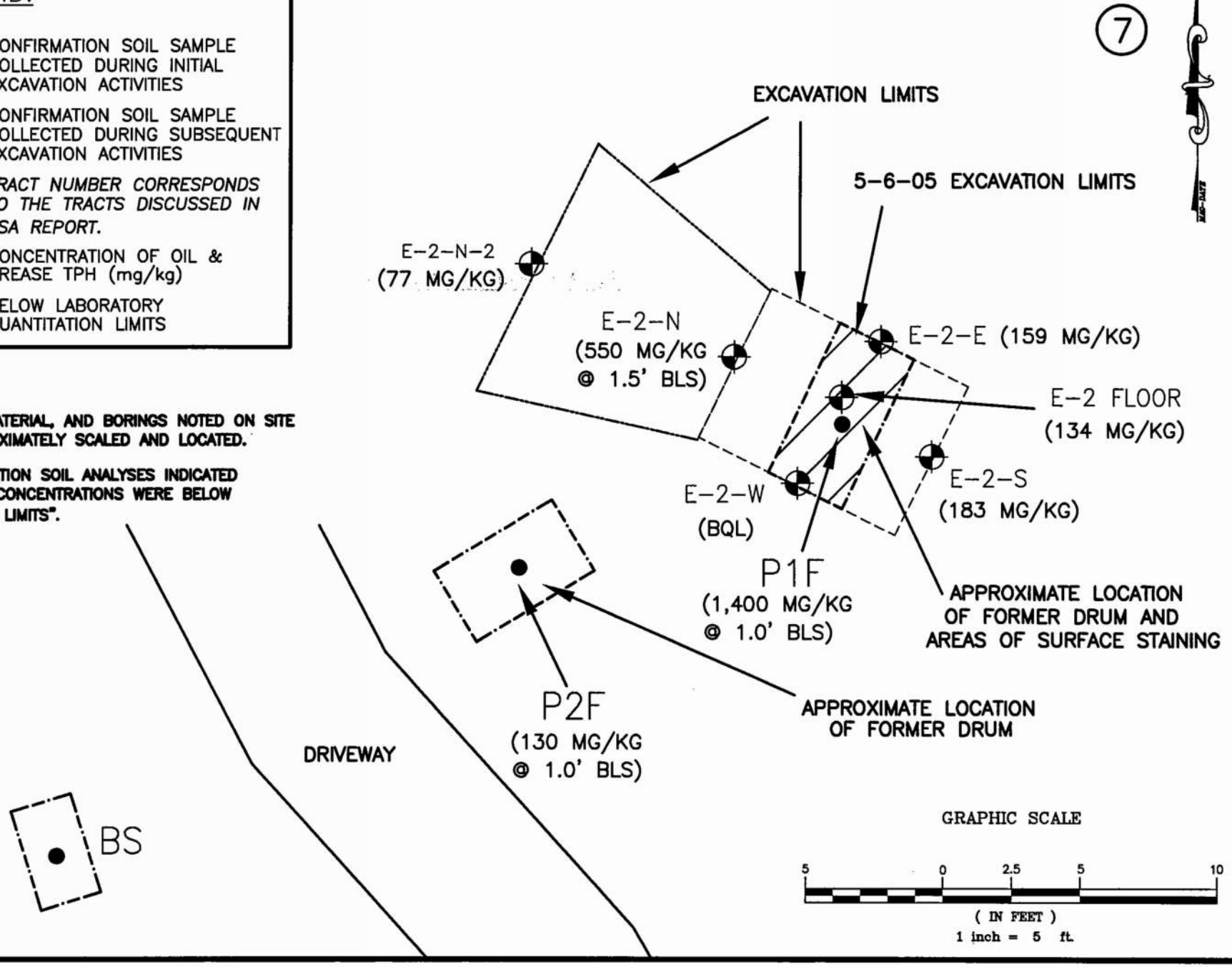
Job No.	
205095.0	
Sheet No.	7

LEGEND:

• TB–1	CONFIRMATION SOIL SAMPLE COLLECTED DURING INITIAL EXCAVATION ACTIVITIES
⌖ TB–1	CONFIRMATION SOIL SAMPLE COLLECTED DURING SUBSEQUENT EXCAVATION ACTIVITIES
⑤	*TRACT NUMBER CORRESPONDS TO THE TRACTS DISCUSSED IN ESA REPORT.*
(10)	CONCENTRATION OF OIL & GREASE TPH (mg/kg)
BQL	BELOW LABORATORY QUANTITATION LIMITS

NOTES:

1. **STRUCTURES, MATERIAL, AND BORINGS NOTED ON SITE MAP ARE APPROXIMATELY SCALED AND LOCATED.**
2. **FINAL CONFIRMATION SOIL ANALYSES INDICATED OIL & GREASE CONCENTRATIONS WERE BELOW NCDWQ "ACTION LIMITS".**



WITHERS & RAVENEL ENGINEERS I PLANNERS I SURVEYORS 111 MacKenan Drive Cary, North Carolina 27511 www.withersravenel.com tel: 919-460-8008 fax: 919-535-4545	*81.36–ACRE SITE* *CHAPEL HILL ROAD & WATKINS ROAD* *MORRISVILLE, NORTH CAROLINA*	***DRUM AREA***	Drawn By: KTC; Scale: 1"=10' Checked By: CCB; Date: 5/10/2005	Job No.: 205095.0 Sheet No.: 8

TABLES

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
Stone Hedge Carolinas Property
Chapel Hill Road and Watkins Road
Morrisville, Wake County, North Carolina

SOIL SAMPLE ID	DATE COLLECTED (B or D) = AREA	DEPTH OF SOIL SAMPLE (feet bls)	TPH/Low (mg/kg)	TPH/high (mg/kg)	METHOD 9071 Total Oil & Grease	METHOD 9071F Fractionated Oil & Grease TPH Results
B-3*	5/3/05 (B)	1.0-2.0	ND	**49**	N/A	N/A
E-1 Floor	5/19/05 (B)	6.0	ND	ND	ND	ND
E-1-S	5/19/05 (B)	5.0	ND	ND	ND	ND
E-1-N	5/19/05 (B)	5.0	ND	ND	ND	ND
E-1-E	5/19/05 (B)	5.0	ND	ND	ND	ND
E-1-W	5/19/05 (B)	5.0	ND	ND	ND	ND
P1F*	5/6/05 (D)	1.0	N/A	N/A	**1,400**	**980**
P2F*	5/6/05 (D)	1.0	ND	ND	130	57
E-2 Floor	5/19/05 (D)	3.0	N/A	N/A	134	130
E-2-S	5/19/05 (D)	2.0	N/A	N/A	183	28
E-2-N	5/19/05 (D)	1.5	N/A	N/A	**550**	**346**
E-2-E	5/19/05 (D)	2.0	N/A	N/A	159	ND
E-2-W	5/19/05 (D)	2.0	N/A	N/A	ND	ND
E-2-N-3	5/25/05 (D)	0.5-1.0	N/A	N/A	77	N/A
NCDWQ Action Levels			10	40	250	250

NOTE:

1 - N/A = Not Applicable or Sampled.
2 - Results in bold exceed NCDENR action level.
3 - bls = Below Land Surface.
4 - Results are in mg/kg (milligrams per killogram).
5 - Soil samples were collected May 2, 2005.
6 - TPH = Total Petroleum Hydrocarbons.
7 - ND = Not detected.
8 - TPH/low = Total petroleum hydrocarbons/low fraction by EPA Method 5030.
9 - TPH/high = Total petroleum hydrocarbons/high fraction by EPA Method 3550.
10 - D = Drum Area.
11 - B = Bucket Area.

* Results of EPA Method 8260 revealed all constituents below laboratory detection limits in samples B-3, P1F, and P2F except for one concentration in B-3. Acetone was identified at 0.051 mg/kg, which is below the Soil-to-Groundwater MSCC of 2.81 mg/kg. Acetone is an extremely volatile compound that is a commonly used laboratory solvent, and is not found in petroleum products.

APPENDICES

APPENDIX A

LABORATORY REPORTS

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227397 SAMPLE ID- E-1 FLOOR SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1023
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	82.7	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					<60.5	mg/kg	60.5
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<60.5	mg/kg	60.5
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<60.5	mg/kg	60.5
DIESEL RANGE ORGANICS (DRO)	3550/8015	05/23/05	CJY	05/23/05	JBR	< 10.0	mg/kg	10.0
GASOLINE RANGE ORGANICS (GRO)	5030/8015			05/23/05	JBR	< 1.00	mg/kg	1.00

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

LABORATORY DIRECTOR _____

P.O. Box 12298 • Research Triangle Park, NC 27709
Telephone (919) 467-3090

Shipping: 102-A Woodwinds Industrial Court • Cary, NC 27511
Fax (919) 467-3515

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227398 SAMPLE ID- E-1 S SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1100
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	82.6	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					<60.5	mg/kg	60.5
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<60.5	mg/kg	60.5
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<60.5	mg/kg	60.5
DIESEL RANGE ORGANICS (DRO)	3550/8015	05/23/05	CJY	05/23/05	JBR	< 10.0	mg/kg	10.0
GASOLINE RANGE ORGANICS (GRO)	5030/8015			05/23/05	JBR	< 1.00	mg/kg	1.00

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
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Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227399 SAMPLE ID- E-1 N SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1040
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	81.1	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					<61.7	mg/kg	61.7
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<61.7	mg/kg	61.7
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<61.7	mg/kg	61.7
DIESEL RANGE ORGANICS (DRO)	3550/8015	05/23/05	CJY	05/23/05	JBR	< 10.0	mg/kg	10.0
GASOLINE RANGE ORGANICS (GRO)	5030/8015			05/23/05	JBR	< 1.00	mg/kg	1.00

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

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111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227400 SAMPLE ID- E-1 E SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1055
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	81.8	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					<61.1	mg/kg	61.1
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<61.1	mg/kg	61.1
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<61.1	mg/kg	61.1
DIESEL RANGE ORGANICS (DRO)	3550/8015	05/23/05	CJY	05/23/05	JBR	< 10.0	mg/kg	10.0
GASOLINE RANGE ORGANICS (GRO)	5030/8015			05/23/05	JBR	< 1.00	mg/kg	1.00

PQL = Practical Quantitation Limit
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WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227401 SAMPLE ID- E-1 W SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1050
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	81.8	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					<61.1	mg/kg	61.1
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<61.1	mg/kg	61.1
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<61.1	mg/kg	61.1
DIESEL RANGE ORGANICS (DRO)	3550/8015	05/23/05	CJY	05/23/05	JBR	< 10.0	mg/kg	10.0
GASOLINE RANGE ORGANICS (GRO)	5030/8015			05/23/05	JBR	< 1.00	mg/kg	1.00

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

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WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227402 SAMPLE ID- E-2 FLOOR SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1235
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	90.2	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					134	mg/kg	55.4
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<55.4	mg/kg	55.4
MINERAL OR PETROLEUM ORIGIN	9071/5520F					130	mg/kg	55.4

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

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Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227403 SAMPLE ID- E-2 S SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1225
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	91.9	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/20/05	CJY	05/20/05	AKD			
TOTAL OIL AND GREASE	9071/5520F					183	mg/kg	54.4
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					155	mg/kg	54.4
MINERAL OR PETROLEUM ORIGIN	9071/5520F					28	mg/kg	54.4

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

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FINAL REPORT OF ANALYSES

WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227404 SAMPLE ID- E-2 N SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1230
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	88.8	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/23/05	CJY	05/23/05	CJY			
TOTAL OIL AND GREASE	9071/5520F					550	mg/kg	56.3
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					204	mg/kg	56.3
MINERAL OR PETROLEUM ORIGIN	9071/5520F					346	mg/kg	56.3

PQL = Practical Quantitation Limit
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CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227405 SAMPLE ID- E-2 E SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1222
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	85.3	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/23/05	CJY	05/23/05	CJY			
TOTAL OIL AND GREASE	9071/5520F					159	mg/kg	58.6
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					159	mg/kg	58.6
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<58.6	mg/kg	58.6

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

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ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/24/05

SAMPLE NUMBER- 227406 SAMPLE ID- E-2 W SAMPLE MATRIX- SO
DATE SAMPLED- 05/19/05 TIME SAMPLED- 1216
DATE RECEIVED- 05/20/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 0945 DELIVERED BY- JOSE CORRALES

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/23/05	JL	87.6	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/23/05	CJY	05/23/05	CJY			
TOTAL OIL AND GREASE	9071/5520F					<57.1	mg/kg	57.1
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					<57.1	mg/kg	57.1
MINERAL OR PETROLEUM ORIGIN	9071/5520F					<57.1	mg/kg	57.1

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

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Fax (919) 467-3515

Chemical & Environmental Technology, Inc.

102-A Woodwinds Industrial Ct. Cary, NC 27511
(919) 467-3090 FAX: (919) 467-3515

CHAIN OF CUSTODY

CLIENT NAME: Withers : Ravenel
ADDRESS: 111 MacKenan DR.
Cary, NC 27511
ATTENTION: Ty Colwell
PHONE: 919 460-6036
FAX: 919 535-2525

Turnaround Time:
- ☐ Normal (2 weeks)
- ☐ Rush (1 week)*
- ☐ Rush (48 hours)*
- ☐ Rush (24 hours)*

PROJECT NO: 2050950
PROJECT NAME: Stone Hedge Carolinas
COLLECTED BY: (Signature) [signature]
PRINTED NAME: Laura Powers

BILL TO:
ADDRESS:
PURCHASE ORDER NO:

PRESERVED IN FIELD ☐
PRESERVED IN LAB ☐
RECEIVED ON ICE ☐

ANALYSES REQUIRED

CET SAMPLE #	DATE	TIME	SAMPLE TYPE COM	SAMPLE TYPE GRAB	SAMPLE I.D.	SAMPLE MATRIX	# OF CONTAINERS	5030/3550	9720F Fractionated Oil; Grease					REMARKS	NONE	ASCORBIC	NaS_2O_3	NaOH	H_2SO_4	HNO_3	HCl
	5/19	10:23		X	E-1-Floor	S	1	X	X						X						
	5/19	11:00		X	E-1-S	S	1	X	X												
	5/19	10:40		X	E-1-N	S	1	X	X												
	5/19	10:55		X	E-1-E	S	1	X	X												
	5/19	10:50		X	E-1-W	S	1	X	X												
	5/19	12:25		X	E-2-Floor	S	1		X												
	5/19	12:25		X	E-2-S	S	1		X												
	5/19	12:30		X	E-2-N	S	1		X												
	5/19	12:22		X	E-2-E	S	1		X												
	5/19	12:16		X	E-2-W	S	1		X												

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)
[signature]	5/20/05	935	Jose Corrales	Jose Corrales	5/20/05	945	

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME	ADDITIONAL INSTRUCTIONS:
			[signature]	5/20/05	0945	2.0°C

*Rush work requires laboratory approval prior to sample submission. Additional charges may apply.

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-01

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : P1F 1 FT

Collected By : David Hathaway
Collection Date : 05/06/05 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Oil & Grease (Hexane Extr)	1400	12.	mg/kg	1664A	05/12/05	1
Total Solids	86.4		%	2540G	05/13/05	1
TPH - Oil & Grease	980	12.	mg/kg	1664A	05/14/05	1
Volatile Organics						
Acetone	BDL	0.14	mg/kg	8260B	05/13/05	5
Acrolein	BDL	0.29	mg/kg	8260B	05/13/05	5
Acrylonitrile	BDL	0.058	mg/kg	8260B	05/13/05	5
Benzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Bromobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Bromodichloromethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
Bromoform	BDL	0.0058	mg/kg	8260B	05/13/05	5
Bromomethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
n-Butylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
sec-Butylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
tert-Butylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Carbon tetrachloride	BDL	0.0058	mg/kg	8260B	05/13/05	5
Chlorobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Chlorodibromomethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
Chloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
2-Chloroethyl vinyl ether	BDL	0.29	mg/kg	8260B	05/13/05	5
Chloroform	BDL	0.029	mg/kg	8260B	05/13/05	5
Chloromethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
2-Chlorotoluene	BDL	0.0058	mg/kg	8260B	05/13/05	5
4-Chlorotoluene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2-Dibromo-3-Chloropropane	BDL	0.012	mg/kg	8260B	05/13/05	5
1,2-Dibromoethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
Dibromomethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2-Dichlorobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,3-Dichlorobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,4-Dichlorobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1-Dichloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2-Dichloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1-Dichloroethene	BDL	0.0058	mg/kg	8260B	05/13/05	5
cis-1,2-Dichloroethene	BDL	0.0058	mg/kg	8260B	05/13/05	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-01

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : P1F 1 FT

Collected By : David Hathaway
Collection Date : 05/06/05 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,2-Dichloroethene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2-Dichloropropane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1-Dichloropropene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,3-Dichloropropane	BDL	0.0058	mg/kg	8260B	05/13/05	5
cis-1,3-Dichloropropene	BDL	0.0058	mg/kg	8260B	05/13/05	5
trans-1,3-Dichloropropene	BDL	0.0058	mg/kg	8260B	05/13/05	5
2,2-Dichloropropane	BDL	0.0058	mg/kg	8260B	05/13/05	5
Di-isopropyl ether	BDL	0.0058	mg/kg	8260B	05/13/05	5
Ethylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Hexachlorobutadiene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Isopropylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
p-Isopropyltoluene	BDL	0.0058	mg/kg	8260B	05/13/05	5
2-Butanone (MEK)	BDL	0.058	mg/kg	8260B	05/13/05	5
Methylene Chloride	BDL	0.029	mg/kg	8260B	05/13/05	5
4-Methyl-2-pentanone (MIBK)	BDL	0.058	mg/kg	8260B	05/13/05	5
Methyl tert-butyl ether	BDL	0.0058	mg/kg	8260B	05/13/05	5
Naphthalene	BDL	0.029	mg/kg	8260B	05/13/05	5
n-Propylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Styrene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1,1,2-Tetrachloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1,2,2-Tetrachloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
Tetrachloroethene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Toluene	BDL	0.029	mg/kg	8260B	05/13/05	5
1,2,3-Trichlorobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2,4-Trichlorobenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1,1-Trichloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1,2-Trichloroethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0058	mg/kg	8260B	05/13/05	5
Trichloroethene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2,3-Trichloropropane	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,2,4-Trimethylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
1,3,5-Trimethylbenzene	BDL	0.0058	mg/kg	8260B	05/13/05	5
Vinyl chloride	BDL	0.0058	mg/kg	8260B	05/13/05	5
Xylenes, Total	BDL	0.017	mg/kg	8260B	05/13/05	5
Surrogate Recovery						
Toluene-d8	92.		% Rec.	8260B	05/13/05	5
Dibromofluoromethane	110		% Rec.	8260B	05/13/05	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-01

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : P1F 1 FT

Collected By : David Hathaway
Collection Date : 05/06/05 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	77.		% Rec.	8260B	05/13/05	5

Cheli Boucher
Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Reported: 05/18/05 10:32 Printed: 05/18/05 10:33

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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-02

Date Received : May 07, 2005
Description : Granite Development

Site ID :

Sample ID : P2F 1 FT

Project # : 205095.0

Collected By : David Hathaway
Collection Date : 05/06/05 12:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Oil & Grease (Hexane Extr)	130	11.	mg/kg	1664A	05/12/05	1
Total Solids	87.1		%	2540G	05/13/05	1
TPH - Oil & Grease	57.	11.	mg/kg	1664A	05/14/05	1
Volatile Organics						
Acetone	BDL	0.14	mg/kg	8260B	05/13/05	5
Acrolein	BDL	0.29	mg/kg	8260B	05/13/05	5
Acrylonitrile	BDL	0.057	mg/kg	8260B	05/13/05	5
Benzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Bromobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Bromodichloromethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
Bromoform	BDL	0.0057	mg/kg	8260B	05/13/05	5
Bromomethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
n-Butylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
sec-Butylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
tert-Butylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Carbon tetrachloride	BDL	0.0057	mg/kg	8260B	05/13/05	5
Chlorobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Chlorodibromomethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
Chloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
2-Chloroethyl vinyl ether	BDL	0.29	mg/kg	8260B	05/13/05	5
Chloroform	BDL	0.029	mg/kg	8260B	05/13/05	5
Chloromethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
2-Chlorotoluene	BDL	0.0057	mg/kg	8260B	05/13/05	5
4-Chlorotoluene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2-Dibromo-3-Chloropropane	BDL	0.011	mg/kg	8260B	05/13/05	5
1,2-Dibromoethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
Dibromomethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2-Dichlorobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,3-Dichlorobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,4-Dichlorobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Dichlorodifluoromethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1-Dichloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2-Dichloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1-Dichloroethene	BDL	0.0057	mg/kg	8260B	05/13/05	5
cis-1,2-Dichloroethene	BDL	0.0057	mg/kg	8260B	05/13/05	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-02

Date Received : May 07, 2005
Description : Granite Development

Site ID :

Sample ID : P2F 1 FT

Project # : 205095.0

Collected By : David Hathaway
Collection Date : 05/06/05 12:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,2-Dichloroethene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2-Dichloropropane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1-Dichloropropene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,3-Dichloropropane	BDL	0.0057	mg/kg	8260B	05/13/05	5
cis-1,3-Dichloropropene	BDL	0.0057	mg/kg	8260B	05/13/05	5
trans-1,3-Dichloropropene	BDL	0.0057	mg/kg	8260B	05/13/05	5
2,2-Dichloropropane	BDL	0.0057	mg/kg	8260B	05/13/05	5
Di-isopropyl ether	BDL	0.0057	mg/kg	8260B	05/13/05	5
Ethylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Hexachlorobutadiene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Isopropylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
p-Isopropyltoluene	BDL	0.0057	mg/kg	8260B	05/13/05	5
2-Butanone (MEK)	BDL	0.057	mg/kg	8260B	05/13/05	5
Methylene Chloride	BDL	0.029	mg/kg	8260B	05/13/05	5
4-Methyl-2-pentanone (MIBK)	BDL	0.057	mg/kg	8260B	05/13/05	5
Methyl tert-butyl ether	BDL	0.0057	mg/kg	8260B	05/13/05	5
Naphthalene	BDL	0.029	mg/kg	8260B	05/13/05	5
n-Propylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Styrene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1,1,2-Tetrachloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1,2,2-Tetrachloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
Tetrachloroethene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Toluene	BDL	0.029	mg/kg	8260B	05/13/05	5
1,2,3-Trichlorobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2,4-Trichlorobenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1,1-Trichloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1,2-Trichloroethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0057	mg/kg	8260B	05/13/05	5
Trichloroethene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Trichlorofluoromethane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2,3-Trichloropropane	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,2,4-Trimethylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
1,3,5-Trimethylbenzene	BDL	0.0057	mg/kg	8260B	05/13/05	5
Vinyl chloride	BDL	0.0057	mg/kg	8260B	05/13/05	5
Xylenes, Total	BDL	0.017	mg/kg	8260B	05/13/05	5
Surrogate Recovery						
Toluene-d8	94.		% Rec.	8260B	05/13/05	5
Dibromofluoromethane	110		% Rec.	8260B	05/13/05	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-02

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : P2F 1 FT

Collected By : David Hathaway
Collection Date : 05/06/05 12:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	82.		% Rec.	8260B	05/13/05	5

Cheli Boucher
Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Reported: 05/18/05 10:32 Printed: 05/18/05 10:33

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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18,2005

ESC Sample # : L198364-03

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : CPF 1 FT

Collected By : David Hathaway
Collection Date : 05/06/05 12:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.7		%	2540G	05/13/05	1
Chromium	12.	0.57	mg/kg	6010B	05/13/05	1
Lead	17.	0.28	mg/kg	6010B	05/13/05	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.097	mg/kg	8082	05/12/05	5
PCB 1221	BDL	0.097	mg/kg	8082	05/12/05	5
PCB 1232	BDL	0.097	mg/kg	8082	05/12/05	5
PCB 1242	BDL	0.097	mg/kg	8082	05/12/05	5
PCB 1248	BDL	0.097	mg/kg	8082	05/12/05	5
PCB 1254	BDL	0.097	mg/kg	8082	05/12/05	5
PCB 1260	BDL	0.097	mg/kg	8082	05/12/05	5

Cheli Boucher
Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Reported: 05/18/05 10:32 Printed: 05/18/05 10:33

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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18, 2005

ESC Sample # : L198364-04

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : BS 1 FT

Collected By : David Hathaway
Collection Date : 05/06/05 12:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.2		%	2540G	05/13/05	1
Chromium	3.2	0.61	mg/kg	6010B	05/13/05	1
Lead	6.2	0.30	mg/kg	6010B	05/13/05	1

Cheli Boucher
Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Reported: 05/18/05 10:32 Printed: 05/18/05 10:33

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18, 2005

ESC Sample # : L198364-05

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : TRIPBLANK

Collected By : David Hathaway
Collection Date : 05/06/05 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.025	mg/l	8260B	05/12/05	1
Acrolein	BDL	0.050	mg/l	8260B	05/12/05	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/12/05	1
Benzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/12/05	1
Bromoform	BDL	0.0010	mg/l	8260B	05/12/05	1
Bromomethane	BDL	0.0010	mg/l	8260B	05/12/05	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/12/05	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/12/05	1
Chloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/12/05	1
Chloroform	BDL	0.0050	mg/l	8260B	05/12/05	1
Chloromethane	BDL	0.0010	mg/l	8260B	05/12/05	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/12/05	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/l	8260B	05/12/05	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/12/05	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Dichlorodifluoromethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/12/05	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/12/05	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/12/05	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/12/05	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/12/05	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 18, 2005

ESC Sample # : L198364-05

Site ID :

Project # : 205095.0

Date Received : May 07, 2005
Description : Granite Development

Sample ID : TRIPBLANK

Collected By : David Hathaway
Collection Date : 05/06/05 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/12/05	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/12/05	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	05/12/05	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/12/05	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/12/05	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/12/05	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/12/05	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/12/05	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/12/05	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Styrene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	05/12/05	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/12/05	1
Toluene	BDL	0.0050	mg/l	8260B	05/12/05	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/12/05	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/12/05	1
Trichlorofluoromethane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/12/05	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/12/05	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/12/05	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	05/12/05	1
Dibromofluoromethane	100		% Rec.	8260B	05/12/05	1
4-Bromofluorobenzene	100		% Rec.	8260B	05/12/05	1

Cheli Boucher
Cheli Boucher, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

Reported: 05/18/05 10:32 Printed: 05/18/05 10:33

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L198364-01	Acrolein	J4
	2-Chloroethyl vinyl ether	J4J3
	1,2-Dichloroethane	J4
L198364-02	Acrolein	J4
	2-Chloroethyl vinyl ether	J4J3
	1,2-Dichloroethane	J4
L198364-05	Acetone	J4
	Acrolein	J4
	Bromomethane	J4
	2-Chloroethyl vinyl ether	J4
	Naphthalene	J4
	1,2,3-Trichlorobenzene	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits			(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane 70-130	70-130
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8 70-130	70-130
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene 70-130	70-130

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
05/18/05 at 10:33:16

TSR Signing Reports: 070
R5 - Desired TAT

cb 8/12; NC 5035, dry wt - Special pricing for UST pkgs ship all containers pre-preserved

Sample: L198364-01 Account: WITHRAV Received: 05/07/05 09:30 Due Date: 05/16/05 00:00 RPT Date: 05/18/05 10:32
Added TPHOGHEX-cb 5/13
Sample: L198364-02 Account: WITHRAV Received: 05/07/05 09:30 Due Date: 05/16/05 00:00 RPT Date: 05/18/05 10:32
Added TPHOGHEX-cb 5/13
Sample: L198364-03 Account: WITHRAV Received: 05/07/05 09:30 Due Date: 05/16/05 00:00 RPT Date: 05/18/05 10:32

Sample: L198364-04 Account: WITHRAV Received: 05/07/05 09:30 Due Date: 05/16/05 00:00 RPT Date: 05/18/05 10:32

Sample: L198364-05 Account: WITHRAV Received: 05/07/05 09:30 Due Date: 05/16/05 00:00 RPT Date: 05/18/05 10:32

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Est. 1970

Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L198364

May 18, 2005

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
PCB 1016	< .017	mg/kg	05/12/05 12:52	WG201347
PCB 1221	< .017	mg/kg	05/12/05 12:52	WG201347
PCB 1232	< .017	mg/kg	05/12/05 12:52	WG201347
PCB 1242	< .017	mg/kg	05/12/05 12:52	WG201347
PCB 1248	< .017	mg/kg	05/12/05 12:52	WG201347
PCB 1254	< .017	mg/kg	05/12/05 12:52	WG201347
PCB 1260	< .017	mg/kg	05/12/05 12:52	WG201347
Oil & Grease (Hexane Extr)	< 10	mg/kg	05/12/05 05:10	WG201544
Chromium	< .5	mg/kg	05/13/05 11:48	WG201687
Lead	< .25	mg/kg	05/13/05 11:48	WG201687
Total Solids	0.00	%	05/13/05 10:24	WG201819
Total Solids	0.00	%	05/13/05 10:20	WG201824
1,1,1,2-Tetrachloroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,1,1-Trichloroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,1,2,2-Tetrachloroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,1,2-Trichloroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,1-Dichloroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,1-Dichloroethene	< .001	mg/l	05/12/05 16:02	WG201892
1,1-Dichloropropene	< .001	mg/l	05/12/05 16:02	WG201892
1,2,3-Trichlorobenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,2,3-Trichloropropane	< .001	mg/l	05/12/05 16:02	WG201892
1,2,3-Trimethylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,2,4-Trichlorobenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,2,4-Trimethylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,2-Dibromo-3-Chloropropane	< .002	mg/l	05/12/05 16:02	WG201892
1,2-Dibromoethane	< .001	mg/l	05/12/05 16:02	WG201892
1,2-Dichlorobenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,2-Dichloroethane	< .001	mg/l	05/12/05 16:02	WG201892
1,2-Dichloropropane	< .001	mg/l	05/12/05 16:02	WG201892
1,3,5-Trimethylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,3-Dichlorobenzene	< .001	mg/l	05/12/05 16:02	WG201892
1,3-Dichloropropane	< .001	mg/l	05/12/05 16:02	WG201892
1,4-Dichlorobenzene	< .001	mg/l	05/12/05 16:02	WG201892
2,2-Dichloropropane	< .001	mg/l	05/12/05 16:02	WG201892
2-Butanone (MEK)	< .01	mg/l	05/12/05 16:02	WG201892
2-Chloroethyl vinyl ether	< .001	mg/l	05/12/05 16:02	WG201892
2-Chlorotoluene	< .001	mg/l	05/12/05 16:02	WG201892
4-Chlorotoluene	< .001	mg/l	05/12/05 16:02	WG201892
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	05/12/05 16:02	WG201892
Acetone	< .025	mg/l	05/12/05 16:02	WG201892
Acrolein	< .05	mg/l	05/12/05 16:02	WG201892
Acrylonitrile	< .01	mg/l	05/12/05 16:02	WG201892
Benzene	< .001	mg/l	05/12/05 16:02	WG201892
Bromobenzene	< .001	mg/l	05/12/05 16:02	WG201892
Bromodichloromethane	< .001	mg/l	05/12/05 16:02	WG201892
Bromoform	< .001	mg/l	05/12/05 16:02	WG201892
Bromomethane	< .001	mg/l	05/12/05 16:02	WG201892
Carbon tetrachloride	< .001	mg/l	05/12/05 16:02	WG201892
Chlorobenzene	< .001	mg/l	05/12/05 16:02	WG201892
Chlorodibromomethane	< .001	mg/l	05/12/05 16:02	WG201892
Chloroethane	< .001	mg/l	05/12/05 16:02	WG201892
Chloroform	< .005	mg/l	05/12/05 16:02	WG201892
Chloromethane	< .001	mg/l	05/12/05 16:02	WG201892
cis-1,2-Dichloroethene	< .001	mg/l	05/12/05 16:02	WG201892

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Cary, NC 27511

Quality Assurance Report
Level II

L198364

May 18, 2005

cis-1,3-Dichloropropene	< .001	mg/l	05/12/05 16:02	WG201892

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Di-isopropyl ether	< .001	mg/l	05/12/05 16:02	WG201892
Dibromomethane	< .001	mg/l	05/12/05 16:02	WG201892
Dichlorodifluoromethane	< .001	mg/l	05/12/05 16:02	WG201892
Ethylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
Hexachlorobutadiene	< .001	mg/l	05/12/05 16:02	WG201892
Isopropylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
Methyl tert-butyl ether	< .001	mg/l	05/12/05 16:02	WG201892
Methylene Chloride	< .005	mg/l	05/12/05 16:02	WG201892
n-Butylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
n-Propylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
Naphthalene	< .005	mg/l	05/12/05 16:02	WG201892
p-Isopropyltoluene	< .001	mg/l	05/12/05 16:02	WG201892
sec-Butylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
Styrene	< .001	mg/l	05/12/05 16:02	WG201892
tert-Butylbenzene	< .001	mg/l	05/12/05 16:02	WG201892
Tetrachloroethene	< .001	mg/l	05/12/05 16:02	WG201892
Toluene	< .005	mg/l	05/12/05 16:02	WG201892
trans-1,2-Dichloroethene	< .001	mg/l	05/12/05 16:02	WG201892
trans-1,3-Dichloropropene	< .001	mg/l	05/12/05 16:02	WG201892
Trichloroethene	< .001	mg/l	05/12/05 16:02	WG201892
Trichlorofluoromethane	< .001	mg/l	05/12/05 16:02	WG201892
Vinyl chloride	< .001	mg/l	05/12/05 16:02	WG201892
Xylenes, Total	< .003	mg/l	05/12/05 16:02	WG201892
TPH - Oil & Grease	< 10	mg/kg	05/14/05 17:29	WG201999
1,1,1,2-Tetrachloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,1,1-Trichloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,1,2,2-Tetrachloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,1,2-Trichloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,1-Dichloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,1-Dichloroethene	< .001	mg/kg	05/13/05 14:59	WG202035
1,1-Dichloropropene	< .001	mg/kg	05/13/05 14:59	WG202035
1,2,3-Trichlorobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
1,2,3-Trichloropropane	< .001	mg/kg	05/13/05 14:59	WG202035
1,2,4-Trichlorobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
1,2,4-Trimethylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
1,2-Dibromo-3-Chloropropane	< .002	mg/kg	05/13/05 14:59	WG202035
1,2-Dibromoethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,2-Dichlorobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
1,2-Dichloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
1,2-Dichloropropane	< .001	mg/kg	05/13/05 14:59	WG202035
1,3,5-Trimethylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
1,3-Dichlorobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
1,3-Dichloropropane	< .001	mg/kg	05/13/05 14:59	WG202035
1,4-Dichlorobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
2,2-Dichloropropane	< .001	mg/kg	05/13/05 14:59	WG202035
2-Butanone (MEK)	< .01	mg/kg	05/13/05 14:59	WG202035
2-Chloroethyl vinyl ether	< .001	mg/kg	05/13/05 14:59	WG202035
2-Chlorotoluene	< .001	mg/kg	05/13/05 14:59	WG202035
4-Chlorotoluene	< .001	mg/kg	05/13/05 14:59	WG202035
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg	05/13/05 14:59	WG202035
Acetone	< .025	mg/kg	05/13/05 14:59	WG202035
Acrolein	< .05	mg/kg	05/13/05 14:59	WG202035
Acrylonitrile	< .01	mg/kg	05/13/05 14:59	WG202035
Benzene	< .001	mg/kg	05/13/05 14:59	WG202035
Bromobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Bromodichloromethane	< .001	mg/kg	05/13/05 14:59	WG202035

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Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
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Bromoform	< .001	mg/kg	05/13/05 14:59	WG202035

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Bromomethane	< .001	mg/kg	05/13/05 14:59	WG202035
Carbon tetrachloride	< .001	mg/kg	05/13/05 14:59	WG202035
Chlorobenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Chlorodibromomethane	< .001	mg/kg	05/13/05 14:59	WG202035
Chloroethane	< .001	mg/kg	05/13/05 14:59	WG202035
Chloroform	< .005	mg/kg	05/13/05 14:59	WG202035
Chloromethane	< .001	mg/kg	05/13/05 14:59	WG202035
cis-1,2-Dichloroethene	< .001	mg/kg	05/13/05 14:59	WG202035
cis-1,3-Dichloropropene	< .001	mg/kg	05/13/05 14:59	WG202035
Di-isopropyl ether	< .001	mg/kg	05/13/05 14:59	WG202035
Dibromomethane	< .001	mg/kg	05/13/05 14:59	WG202035
Dichlorodifluoromethane	< .001	mg/kg	05/13/05 14:59	WG202035
Ethylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Hexachlorobutadiene	< .001	mg/kg	05/13/05 14:59	WG202035
Isopropylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Methyl tert-butyl ether	< .001	mg/kg	05/13/05 14:59	WG202035
Methylene Chloride	< .005	mg/kg	05/13/05 14:59	WG202035
n-Butylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
n-Propylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Naphthalene	< .005	mg/kg	05/13/05 14:59	WG202035
p-Isopropyltoluene	< .001	mg/kg	05/13/05 14:59	WG202035
sec-Butylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Styrene	< .001	mg/kg	05/13/05 14:59	WG202035
tert-Butylbenzene	< .001	mg/kg	05/13/05 14:59	WG202035
Tetrachloroethene	< .001	mg/kg	05/13/05 14:59	WG202035
Toluene	< .005	mg/kg	05/13/05 14:59	WG202035
trans-1,2-Dichloroethene	< .001	mg/kg	05/13/05 14:59	WG202035
trans-1,3-Dichloropropene	< .001	mg/kg	05/13/05 14:59	WG202035
Trichloroethene	< .001	mg/kg	05/13/05 14:59	WG202035
Trichlorofluoromethane	< .001	mg/kg	05/13/05 14:59	WG202035
Vinyl chloride	< .001	mg/kg	05/13/05 14:59	WG202035
Xylenes, Total	< .003	mg/kg	05/13/05 14:59	WG202035

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	87.2	87.7	0.585	20	L198364-03	WG201819
Total Solids	%	74.8	74.6	0.332	20	L198794-02	WG201824

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
PCB 1260	mg/kg	.167	0.158	94.7	64-129	WG201347
Oil & Grease (Hexane Extr)	mg/kg	4000	4100	103.	78-114	WG201544
Chromium	mg/kg	300	322.	107.	76.3-123	WG201687
Lead	mg/kg	150	154.	102.	85.3-115	WG201687
Total Solids	%	50	50.0	100.	85-115	WG201819
Total Solids	%	50	51.0	102.	85-115	WG201824
1,1,1,2-Tetrachloroethane	mg/l	.005	0.00478	95.7	70-130	WG201892
1,1,1-Trichloroethane	mg/l	.005	0.00481	96.3	70-130	WG201892
1,1,2,2-Tetrachloroethane	mg/l	.005	0.00516	103.	70-130	WG201892
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.005	0.00502	100.	70-130	WG201892
1,1,2-Trichloroethane	mg/l	.005	0.00474	94.8	70-130	WG201892

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1,1-Dichloroethane	mg/l	.005	0.00479	95.8	70-130	WG201892

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1-Dichloroethene	mg/l	.005	0.00512	102.	70-130	WG201892
1,1-Dichloropropene	mg/l	.005	0.00464	92.9	70-130	WG201892
1,2,3-Trichlorobenzene	mg/l	.005	0.00608	122.	70-130	WG201892
1,2,3-Trichloropropane	mg/l	.005	0.00540	108.	70-130	WG201892
1,2,3-Trimethylbenzene	mg/l	.005	0.00408	81.6	70-130	WG201892
1,2,4-Trichlorobenzene	mg/l	.005	0.00599	120.	70-130	WG201892
1,2,4-Trimethylbenzene	mg/l	.005	0.00454	90.8	70-130	WG201892
1,2-Dibromo-3-Chloropropane	mg/l	.005	0.00587	117.	70-130	WG201892
1,2-Dibromoethane	mg/l	.005	0.00489	97.8	70-130	WG201892
1,2-Dichlorobenzene	mg/l	.005	0.00485	96.9	70-130	WG201892
1,2-Dichloroethane	mg/l	.005	0.00492	98.3	70-130	WG201892
1,2-Dichloropropane	mg/l	.005	0.00507	101.	70-130	WG201892
1,3,5-Trimethylbenzene	mg/l	.005	0.00447	89.4	70-130	WG201892
1,3-Dichlorobenzene	mg/l	.005	0.00485	97.1	70-130	WG201892
1,3-Dichloropropane	mg/l	.005	0.00491	98.2	70-130	WG201892
1,4-Dichlorobenzene	mg/l	.005	0.00485	96.9	70-130	WG201892
2,2-Dichloropropane	mg/l	.005	0.00518	104.	70-130	WG201892
2-Butanone (MEK)	mg/l	.025	0.0273	109.	70-130	WG201892
2-Chloroethyl vinyl ether	mg/l	.025	0.00879	35.2	70-130	WG201892
2-Chlorotoluene	mg/l	.005	0.00449	89.8	70-130	WG201892
4-Chlorotoluene	mg/l	.005	0.00467	93.5	70-130	WG201892
4-Methyl-2-pentanone (MIBK)	mg/l	.025	0.0258	103.	70-130	WG201892
Acetone	mg/l	.025	0.0325	130.	70-130	WG201892
Acrolein	mg/l	.25	0.455	182.	70-130	WG201892
Acrylonitrile	mg/l	.025	0.0255	102.	70-130	WG201892
Benzene	mg/l	.005	0.00459	91.9	70-130	WG201892
Bromobenzene	mg/l	.005	0.00480	96.1	70-130	WG201892
Bromodichloromethane	mg/l	.005	0.00473	94.5	70-130	WG201892
Bromoform	mg/l	.005	0.00500	100.	70-130	WG201892
Bromomethane	mg/l	.005	0.00351	70.1	70-130	WG201892
Carbon tetrachloride	mg/l	.005	0.00472	94.5	70-130	WG201892
Chlorobenzene	mg/l	.005	0.00461	92.1	70-130	WG201892
Chlorodibromomethane	mg/l	.005	0.00488	97.5	70-130	WG201892
Chloroethane	mg/l	.005	0.00467	93.3	70-130	WG201892
Chloroform	mg/l	.005	0.00480	96.0	70-130	WG201892
Chloromethane	mg/l	.005	0.00467	93.4	70-130	WG201892
cis-1,2-Dichloroethene	mg/l	.005	0.00499	99.9	70-130	WG201892
cis-1,3-Dichloropropene	mg/l	.005	0.00494	98.7	70-130	WG201892
Di-isopropyl ether	mg/l	.005	0.00494	98.8	70-130	WG201892
Dibromomethane	mg/l	.005	0.00509	102.	70-130	WG201892
Dichlorodifluoromethane	mg/l	.005	0.00434	86.7	70-130	WG201892
Ethylbenzene	mg/l	.005	0.00441	88.2	70-130	WG201892
Hexachlorobutadiene	mg/l	.005	0.00426	85.2	70-130	WG201892
Isopropylbenzene	mg/l	.005	0.00454	90.9	70-130	WG201892
Methyl tert-butyl ether	mg/l	.005	0.00516	103.	70-130	WG201892
Methylene Chloride	mg/l	.005	0.00425	84.9	70-130	WG201892
n-Butylbenzene	mg/l	.005	0.00456	91.2	70-130	WG201892
n-Propylbenzene	mg/l	.005	0.00445	89.0	70-130	WG201892
Naphthalene	mg/l	.005	0.00749	150.	70-130	WG201892
p-Isopropyltoluene	mg/l	.005	0.00460	92.1	70-130	WG201892
sec-Butylbenzene	mg/l	.005	0.00446	89.2	70-130	WG201892
Styrene	mg/l	.005	0.00462	92.5	70-130	WG201892
tert-Butylbenzene	mg/l	.005	0.00435	87.0	70-130	WG201892
Tetrachloroethene	mg/l	.005	0.00446	89.2	70-130	WG201892
Toluene	mg/l	.005	0.00475	95.0	70-130	WG201892
trans-1,2-Dichloroethene	mg/l	.005	0.00481	96.3	70-130	WG201892
trans-1,3-Dichloropropene	mg/l	.005	0.00457	91.3	70-130	WG201892
Trichloroethene	mg/l	.005	0.00490	98.0	70-130	WG201892
Trichlorofluoromethane	mg/l	.005	0.00414	82.8	70-130	WG201892

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Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Vinyl chloride	mg/l	.005	0.00437	87.3	70-130	WG201892
Laboratory Control Sample						
Xylenes, Total	mg/l	.015	0.0134	89.5	70-130	WG201892
TPH - Oil & Grease	mg/kg	2000	2300	115.	78-114	WG201999
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.0193	96.6	76-120	WG202035
1,1,1-Trichloroethane	mg/kg	.02	0.0207	104.	69-112	WG202035
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.0194	96.8	75-122	WG202035
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.02	0.0222	111.	65-142	WG202035
1,1,2-Trichloroethane	mg/kg	.02	0.0183	91.3	77-115	WG202035
1,1-Dichloroethane	mg/kg	.02	0.0218	109.	57-133	WG202035
1,1-Dichloroethene	mg/kg	.02	0.0221	110.	65-129	WG202035
1,1-Dichloropropene	mg/kg	.02	0.0195	97.5	69-119	WG202035
1,2,3-Trichlorobenzene	mg/kg	.02	0.0237	119.	68-158	WG202035
1,2,3-Trichloropropane	mg/kg	.02	0.0217	108.	72-122	WG202035
1,2,4-Trichlorobenzene	mg/kg	.02	0.0241	121.	67-156	WG202035
1,2,4-Trimethylbenzene	mg/kg	.02	0.0183	91.4	67-124	WG202035
1,2-Dibromo-3-Chloropropane	mg/kg	.02	0.0186	92.8	62-127	WG202035
1,2-Dibromoethane	mg/kg	.02	0.0201	101.	74-121	WG202035
1,2-Dichlorobenzene	mg/kg	.02	0.0220	110.	78-114	WG202035
1,2-Dichloroethane	mg/kg	.02	0.0228	114.	71-119	WG202035
1,2-Dichloropropane	mg/kg	.02	0.0196	98.0	72-119	WG202035
1,3,5-Trimethylbenzene	mg/kg	.02	0.0189	94.3	70-124	WG202035
1,3-Dichlorobenzene	mg/kg	.02	0.0203	102.	72-127	WG202035
1,3-Dichloropropane	mg/kg	.02	0.0192	96.0	77-114	WG202035
1,4-Dichlorobenzene	mg/kg	.02	0.0231	116.	71-121	WG202035
2,2-Dichloropropane	mg/kg	.02	0.0245	122.	59-133	WG202035
2-Butanone (MEK)	mg/kg	.1	0.104	104.	57-133	WG202035
2-Chloroethyl vinyl ether	mg/kg	.1	0.00179	1.79	34-132	WG202035
2-Chlorotoluene	mg/kg	.02	0.0188	93.9	72-122	WG202035
4-Chlorotoluene	mg/kg	.02	0.0192	96.2	72-126	WG202035
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.0981	98.1	65-137	WG202035
Acetone	mg/kg	.1	0.0874	87.4	48-155	WG202035
Acrolein	mg/kg	1	3.14	314.	43-104	WG202035
Acrylonitrile	mg/kg	.1	0.105	105.	54-123	WG202035
Benzene	mg/kg	.02	0.0195	97.3	72-115	WG202035
Bromobenzene	mg/kg	.02	0.0201	101.	75-129	WG202035
Bromodichloromethane	mg/kg	.02	0.0194	97.2	72-125	WG202035
Bromoform	mg/kg	.02	0.0192	95.9	68-137	WG202035
Bromomethane	mg/kg	.02	0.00805	40.3	34-129	WG202035
Carbon tetrachloride	mg/kg	.02	0.0223	111.	63-133	WG202035
Chlorobenzene	mg/kg	.02	0.0196	98.0	76-119	WG202035
Chlorodibromomethane	mg/kg	.02	0.0190	95.1	74-117	WG202035
Chloroethane	mg/kg	.02	0.0222	111.	47-135	WG202035
Chloroform	mg/kg	.02	0.0201	100.	69-119	WG202035
Chloromethane	mg/kg	.02	0.0180	89.9	50-153	WG202035
cis-1,2-Dichloroethene	mg/kg	.02	0.0205	103.	67-126	WG202035
cis-1,3-Dichloropropene	mg/kg	.02	0.0189	94.7	74-121	WG202035
Di-isopropyl ether	mg/kg	.02	0.0206	103.	65-123	WG202035
Dibromomethane	mg/kg	.02	0.0203	102.	74-123	WG202035
Dichlorodifluoromethane	mg/kg	.02	0.0274	137.	71-152	WG202035
Ethylbenzene	mg/kg	.02	0.0182	90.8	72-121	WG202035
Hexachlorobutadiene	mg/kg	.02	0.0196	98.1	65-113	WG202035
Isopropylbenzene	mg/kg	.02	0.0192	96.0	71-128	WG202035
Methyl tert-butyl ether	mg/kg	.02	0.0217	109.	74-123	WG202035
Methylene Chloride	mg/kg	.02	0.0198	98.8	60-127	WG202035
n-Butylbenzene	mg/kg	.02	0.0201	101.	69-126	WG202035
n-Propylbenzene	mg/kg	.02	0.0182	91.0	68-130	WG202035
Naphthalene	mg/kg	.02	0.0233	117.	64-159	WG202035
p-Isopropyltoluene	mg/kg	.02	0.0189	94.4	69-130	WG202035

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sec-Butylbenzene	mg/kg	.02	0.0185	92.5	69-129	WG202035

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Styrene	mg/kg	.02	0.0187	93.4	71-124	WG202035
tert-Butylbenzene	mg/kg	.02	0.0187	93.6	68-130	WG202035
Tetrachloroethene	mg/kg	.02	0.0193	96.3	72-123	WG202035
Toluene	mg/kg	.02	0.0187	93.5	73-117	WG202035
trans-1,2-Dichloroethene	mg/kg	.02	0.0206	103.	67-137	WG202035
trans-1,3-Dichloropropene	mg/kg	.02	0.0175	87.6	63-108	WG202035
Trichloroethene	mg/kg	.02	0.0198	98.9	71-120	WG202035
Trichlorofluoromethane	mg/kg	.02	0.0187	93.6	51-132	WG202035
Vinyl chloride	mg/kg	.02	0.0182	91.1	58-136	WG202035
Xylenes, Total	mg/kg	.06	0.0562	93.7	73-121	WG202035

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
PCB 1260	mg/kg	0.172	0.158	8.58	20	103.	WG201347
Oil & Grease (Hexane Extr)	mg/kg	4100	4100	0.00	20	103.	WG201544
1,1,1,2-Tetrachloroethane	mg/l	0.0050	0.0047	4.48	25	100.	WG201892
1,1,1-Trichloroethane	mg/l	0.0049	0.0048	2.46	25	98.7	WG201892
1,1,2,2-Tetrachloroethane	mg/l	0.0055	0.0051	6.43	25	110.	WG201892
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0051	0.0050	3.17	25	104.	WG201892
1,1,2-Trichloroethane	mg/l	0.0051	0.0047	8.36	25	103.	WG201892
1,1-Dichloroethane	mg/l	0.0051	0.0047	6.65	25	102.	WG201892
1,1-Dichloroethene	mg/l	0.0052	0.0051	2.99	25	106.	WG201892
1,1-Dichloropropene	mg/l	0.0048	0.0046	3.27	25	96.0	WG201892
1,2,3-Trichlorobenzene	mg/l	0.0066	0.0060	8.49	25	132.	WG201892
1,2,3-Trichloropropane	mg/l	0.0054	0.0054	0.684	25	109.	WG201892
1,2,3-Trimethylbenzene	mg/l	0.0043	0.0040	5.47	25	86.2	WG201892
1,2,4-Trichlorobenzene	mg/l	0.0064	0.0059	6.79	25	128.	WG201892
1,2,4-Trimethylbenzene	mg/l	0.0047	0.0045	5.10	25	95.5	WG201892
1,2-Dibromo-3-Chloropropane	mg/l	0.0059	0.0058	1.98	25	120.	WG201892
1,2-Dibromoethane	mg/l	0.0052	0.0048	6.23	25	104.	WG201892
1,2-Dichlorobenzene	mg/l	0.0051	0.0048	5.88	25	103.	WG201892
1,2-Dichloroethane	mg/l	0.0050	0.0049	2.18	25	100.	WG201892
1,2-Dichloropropane	mg/l	0.0052	0.0050	4.31	25	106.	WG201892
1,3,5-Trimethylbenzene	mg/l	0.0047	0.0044	5.71	25	94.7	WG201892
1,3-Dichlorobenzene	mg/l	0.0051	0.0048	5.54	25	103.	WG201892
1,3-Dichloropropane	mg/l	0.0051	0.0049	5.48	25	104.	WG201892
1,4-Dichlorobenzene	mg/l	0.0051	0.0048	5.88	25	103.	WG201892
2,2-Dichloropropane	mg/l	0.0052	0.0051	1.64	25	105.	WG201892
2-Butanone (MEK)	mg/l	0.0288	0.0273	5.30	25	115.	WG201892
2-Chloroethyl vinyl ether	mg/l	0.0094	0.0087	6.70	25	37.6	WG201892
2-Chlorotoluene	mg/l	0.0048	0.0044	6.75	25	96.1	WG201892
4-Chlorotoluene	mg/l	0.0050	0.0046	6.90	25	100.	WG201892
4-Methyl-2-pentanone (MIBK)	mg/l	0.0277	0.0258	7.16	25	111.	WG201892
Acetone	mg/l	0.0342	0.0325	5.19	25	137.	WG201892
Acrolein	mg/l	0.467	0.455	2.50	25	187.	WG201892
Acrylonitrile	mg/l	0.0268	0.0255	5.19	25	107.	WG201892
Benzene	mg/l	0.0048	0.0045	5.28	25	96.8	WG201892
Bromobenzene	mg/l	0.0051	0.0048	7.61	25	104.	WG201892
Bromodichloromethane	mg/l	0.0049	0.0047	4.73	25	99.1	WG201892
Bromoform	mg/l	0.0054	0.0050	8.79	25	109.	WG201892
Bromomethane	mg/l	0.0034	0.0035	1.05	25	69.4	WG201892
Carbon tetrachloride	mg/l	0.0049	0.0047	5.20	25	99.5	WG201892
Chlorobenzene	mg/l	0.0049	0.0046	6.14	25	98.0	WG201892
Chlorodibromomethane	mg/l	0.0052	0.0048	6.48	25	104.	WG201892
Chloroethane	mg/l	0.0050	0.0046	6.94	25	100.	WG201892
Chloroform	mg/l	0.0050	0.0048	4.52	25	100.	WG201892

ENVIRONMENTAL
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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L198364

May 18, 2005

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Chloromethane	mg/l	0.0050	0.0046	8.08	25	101.	WG201892
Laboratory Control Sample Duplicate							
cis-1,2-Dichloroethene	mg/l	0.0051	0.0049	2.85	25	103.	WG201892
cis-1,3-Dichloropropene	mg/l	0.0051	0.0049	3.74	25	103.	WG201892
Di-isopropyl ether	mg/l	0.0051	0.0049	4.76	25	104.	WG201892
Dibromomethane	mg/l	0.0053	0.0050	4.28	25	106.	WG201892
Dichlorodifluoromethane	mg/l	0.0044	0.0043	2.75	25	89.1	WG201892
Ethylbenzene	mg/l	0.0046	0.0044	5.33	25	93.0	WG201892
Hexachlorobutadiene	mg/l	0.0044	0.0042	4.66	25	89.2	WG201892
Isopropylbenzene	mg/l	0.0048	0.0045	6.42	25	96.9	WG201892
Methyl tert-butyl ether	mg/l	0.0054	0.0051	4.48	25	108.	WG201892
Methylene Chloride	mg/l	0.0044	0.0042	5.12	25	89.4	WG201892
n-Butylbenzene	mg/l	0.0047	0.0045	4.28	25	95.2	WG201892
n-Propylbenzene	mg/l	0.0046	0.0044	4.77	25	93.3	WG201892
Naphthalene	mg/l	0.0079	0.0074	5.89	25	159.	WG201892
p-Isopropyltoluene	mg/l	0.0047	0.0046	3.64	25	95.5	WG201892
sec-Butylbenzene	mg/l	0.0047	0.0044	5.30	25	94.1	WG201892
Styrene	mg/l	0.0049	0.0046	5.93	25	98.1	WG201892
tert-Butylbenzene	mg/l	0.0046	0.0043	6.73	25	93.1	WG201892
Tetrachloroethene	mg/l	0.0046	0.0044	4.74	25	93.6	WG201892
Toluene	mg/l	0.0049	0.0047	3.08	25	98.0	WG201892
trans-1,2-Dichloroethene	mg/l	0.0050	0.0048	4.01	25	100.	WG201892
trans-1,3-Dichloropropene	mg/l	0.0048	0.0045	5.20	25	96.2	WG201892
Trichloroethene	mg/l	0.0050	0.0049	2.95	25	101.	WG201892
Trichlorofluoromethane	mg/l	0.0043	0.0041	5.58	25	87.6	WG201892
Vinyl chloride	mg/l	0.0044	0.0043	2.42	25	89.5	WG201892
Xylenes, Total	mg/l	0.0143	0.0134	5.94	25	95.0	WG201892
TPH - Oil & Grease	mg/kg	2100	2300	9.09	20	105.	WG201999
1,1,1,2-Tetrachloroethane	mg/kg	0.0201	0.0193	4.15	13	101.	WG202035
1,1,1-Trichloroethane	mg/kg	0.0208	0.0207	0.518	12	104.	WG202035
1,1,2,2-Tetrachloroethane	mg/kg	0.0214	0.0194	9.86	19	107.	WG202035
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0228	0.0222	2.45	13	114.	WG202035
1,1,2-Trichloroethane	mg/kg	0.0191	0.0183	4.61	14	95.6	WG202035
1,1-Dichloroethane	mg/kg	0.0224	0.0218	2.78	14	112.	WG202035
1,1-Dichloroethene	mg/kg	0.0230	0.0221	4.34	13	115.	WG202035
1,1-Dichloropropene	mg/kg	0.0207	0.0195	6.00	15	104.	WG202035
1,2,3-Trichlorobenzene	mg/kg	0.0253	0.0237	6.52	15	127.	WG202035
1,2,3-Trichloropropane	mg/kg	0.0229	0.0217	5.62	16	115.	WG202035
1,2,4-Trichlorobenzene	mg/kg	0.0253	0.0241	4.78	17	126.	WG202035
1,2,4-Trimethylbenzene	mg/kg	0.0190	0.0183	3.89	18	95.0	WG202035
1,2-Dibromo-3-Chloropropane	mg/kg	0.0198	0.0186	6.20	19	98.8	WG202035
1,2-Dibromoethane	mg/kg	0.0215	0.0201	6.38	14	107.	WG202035
1,2-Dichlorobenzene	mg/kg	0.0215	0.0220	2.10	13	108.	WG202035
1,2-Dichloroethane	mg/kg	0.0240	0.0228	4.92	11	120.	WG202035
1,2-Dichloropropane	mg/kg	0.0201	0.0196	2.72	14	101.	WG202035
1,3,5-Trimethylbenzene	mg/kg	0.0192	0.0189	1.95	19	96.2	WG202035
1,3-Dichlorobenzene	mg/kg	0.0210	0.0203	3.33	18	105.	WG202035
1,3-Dichloropropane	mg/kg	0.0203	0.0192	5.51	14	101.	WG202035
1,4-Dichlorobenzene	mg/kg	0.0223	0.0231	3.51	15	112.	WG202035
2,2-Dichloropropane	mg/kg	0.0247	0.0245	0.890	15	124.	WG202035
2-Butanone (MEK)	mg/kg	0.110	0.104	6.05	14	110.	WG202035
2-Chloroethyl vinyl ether	mg/kg	0.0021	0.0017	18.3	16	2.15	WG202035
2-Chlorotoluene	mg/kg	0.0197	0.0188	4.81	18	98.6	WG202035
4-Chlorotoluene	mg/kg	0.0200	0.0192	3.84	18	100.	WG202035
4-Methyl-2-pentanone (MIBK)	mg/kg	0.103	0.0981	4.83	16	103.	WG202035
Acetone	mg/kg	0.0872	0.0874	0.201	20	87.2	WG202035
Acrolein	mg/kg	3.31	3.14	5.26	17	331.	WG202035
Acrylonitrile	mg/kg	0.107	0.105	2.02	15	107.	WG202035
Benzene	mg/kg	0.0197	0.0195	1.28	13	98.6	WG202035

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Bromobenzene	mg/kg	0.0208	0.0201	3.25	15	104.	WG202035

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Bromodichloromethane	mg/kg	0.0204	0.0194	4.68	14	102.	WG202035
Bromoform	mg/kg	0.0203	0.0192	5.62	15	101.	WG202035
Bromomethane	mg/kg	0.0083	0.0080	3.31	27	41.6	WG202035
Carbon tetrachloride	mg/kg	0.0227	0.0223	1.66	13	113.	WG202035
Chlorobenzene	mg/kg	0.0204	0.0196	4.15	13	102.	WG202035
Chlorodibromomethane	mg/kg	0.0196	0.0190	2.88	15	97.9	WG202035
Chloroethane	mg/kg	0.0222	0.0222	0.116	16	111.	WG202035
Chloroform	mg/kg	0.0207	0.0201	3.02	12	103.	WG202035
Chloromethane	mg/kg	0.0184	0.0180	2.53	15	92.2	WG202035
cis-1,2-Dichloroethene	mg/kg	0.0215	0.0205	4.82	13	108.	WG202035
cis-1,3-Dichloropropene	mg/kg	0.0197	0.0189	4.02	16	98.6	WG202035
Di-isopropyl ether	mg/kg	0.0210	0.0206	2.06	18	105.	WG202035
Dibromomethane	mg/kg	0.0205	0.0203	0.798	14	102.	WG202035
Dichlorodifluoromethane	mg/kg	0.0277	0.0274	0.866	16	138.	WG202035
Ethylbenzene	mg/kg	0.0188	0.0182	3.54	14	94.1	WG202035
Hexachlorobutadiene	mg/kg	0.0200	0.0196	1.84	13	99.9	WG202035
Isopropylbenzene	mg/kg	0.0199	0.0192	3.41	17	99.4	WG202035
Methyl tert-butyl ether	mg/kg	0.0225	0.0217	3.46	12	113.	WG202035
Methylene Chloride	mg/kg	0.0203	0.0198	2.75	14	102.	WG202035
n-Butylbenzene	mg/kg	0.0200	0.0201	0.881	13	99.8	WG202035
n-Propylbenzene	mg/kg	0.0189	0.0182	3.93	18	94.7	WG202035
Naphthalene	mg/kg	0.0251	0.0233	7.12	14	125.	WG202035
p-Isopropyltoluene	mg/kg	0.0198	0.0189	4.84	23	99.1	WG202035
sec-Butylbenzene	mg/kg	0.0194	0.0185	4.62	19	96.9	WG202035
Styrene	mg/kg	0.0194	0.0187	3.79	16	97.0	WG202035
tert-Butylbenzene	mg/kg	0.0197	0.0187	5.04	19	98.5	WG202035
Tetrachloroethene	mg/kg	0.0201	0.0193	4.49	15	101.	WG202035
Toluene	mg/kg	0.0195	0.0187	4.04	15	97.3	WG202035
trans-1,2-Dichloroethene	mg/kg	0.0212	0.0206	2.90	16	106.	WG202035
trans-1,3-Dichloropropene	mg/kg	0.0181	0.0175	3.04	14	90.4	WG202035
Trichloroethene	mg/kg	0.0203	0.0198	2.81	13	102.	WG202035
Trichlorofluoromethane	mg/kg	0.0188	0.0187	0.684	15	94.2	WG202035
Vinyl chloride	mg/kg	0.0182	0.0182	0.0328	13	91.1	WG202035
Xylenes, Total	mg/kg	0.0583	0.0562	3.71	15	97.2	WG202035

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
PCB 1260	mg/kg	0.151	0.00	.167	18.1	49-142	L198364-03	WG201347
Oil & Grease (Hexane Extr)	mg/kg	5800	1200	4000	115.	80-120	L198364-01	WG201544
Chromium	mg/kg	58.9	11.0	50	95.8	75-125	L198364-03	WG201687
Lead	mg/kg	64.2	15.0	50	98.5	75-125	L198364-03	WG201687
TPH - Oil & Grease	mg/kg	2200	50.0	2000	108.	80-120	L198653-05	WG201999
TPH - Oil & Grease	mg/kg	1800	230.	2000	78.5	80-120	L198653-06	WG201999
1,1,1,2-Tetrachloroethane	mg/kg	0.782	0.0005	.02	96.5	64-126	L198000-33	WG202035
1,1,1-Trichloroethane	mg/kg	0.837	0.0003	.02	103.	59-110	L198000-33	WG202035
1,1,2,2-Tetrachloroethane	mg/kg	0.733	0.0012	.02	90.4	72-110	L198000-33	WG202035
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.895	0.00	.02	110.	60-121	L198000-33	WG202035
1,1,2-Trichloroethane	mg/kg	0.713	0.0007	.02	87.9	68-117	L198000-33	WG202035
1,1-Dichloroethane	mg/kg	0.904	0.0004	.02	112.	60-116	L198000-33	WG202035
1,1-Dichloroethene	mg/kg	0.888	0.0024	.02	109.	62-127	L198000-33	WG202035
1,1-Dichloropropene	mg/kg	0.803	0.00	.02	99.1	60-108	L198000-33	WG202035
1,2,3-Trichlorobenzene	mg/kg	0.884	0.0006	.02	109.	45-114	L198000-33	WG202035
1,2,3-Trichloropropane	mg/kg	0.769	0.0017	.02	94.7	59-122	L198000-33	WG202035
1,2,4-Trichlorobenzene	mg/kg	0.909	0.00	.02	112.	41-105	L198000-33	WG202035

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Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2,4-Trimethylbenzene	mg/kg	0.701	0.0045	.02	86.0	56-110	L198000-33	WG202035
1,2-Dibromo-3-Chloropropane	mg/kg	0.657	0.0037	.02	80.7	48-118	L198000-33	WG202035
1,2-Dibromoethane	mg/kg	0.789	0.00	.02	97.4	68-118	L198000-33	WG202035
1,2-Dichlorobenzene	mg/kg	0.863	0.0009	.02	106.	48-117	L198000-33	WG202035
1,2-Dichloroethane	mg/kg	0.918	0.0196	.02	111.	60-118	L198000-33	WG202035
1,2-Dichloropropane	mg/kg	0.809	0.00	.02	99.9	56-124	L198000-33	WG202035
1,3,5-Trimethylbenzene	mg/kg	0.725	0.0022	.02	89.2	60-110	L198000-33	WG202035
1,3-Dichlorobenzene	mg/kg	0.757	0.0003	.02	93.4	45-113	L198000-33	WG202035
1,3-Dichloropropane	mg/kg	0.777	0.0012	.02	95.7	61-124	L198000-33	WG202035
1,4-Dichlorobenzene	mg/kg	0.832	0.0017	.02	102.	40-113	L198000-33	WG202035
2,2-Dichloropropane	mg/kg	0.938	0.0018	.02	116.	54-114	L198000-33	WG202035
2-Butanone (MEK)	mg/kg	3.63	0.0591	.1	88.2	49-124	L198000-33	WG202035
2-Chloroethyl vinyl ether	mg/kg	0.0678	0.00	.1	1.6	32-126	L198000-33	WG202035
2-Chlorotoluene	mg/kg	0.734	0.0017	.02	90.5	56-111	L198000-33	WG202035
4-Chlorotoluene	mg/kg	0.744	0.0019	.02	91.6	55-108	L198000-33	WG202035
4-Methyl-2-pentanone (MIBK)	mg/kg	3.61	0.0014	.1	89.0	63-123	L198000-33	WG202035
Acetone	mg/kg	3.09	0.210	.1	71.0	33-112	L198000-33	WG202035
Acrolein	mg/kg	107.	0.325	1	262.	25-77	L198000-33	WG202035
Acrylonitrile	mg/kg	4.42	0.0018	.1	109.	51-108	L198000-33	WG202035
Benzene	mg/kg	1.58	0.710	.02	101.	62-113	L198000-33	WG202035
Bromobenzene	mg/kg	0.784	0.0005	.02	96.7	54-134	L198000-33	WG202035
Bromodichloromethane	mg/kg	0.806	0.0053	.02	98.9	66-121	L198000-33	WG202035
Bromoform	mg/kg	0.731	0.0019	.02	90.0	61-130	L198000-33	WG202035
Bromomethane	mg/kg	0.0334	0.00	.02	4.1	34-99	L198000-33	WG202035
Carbon tetrachloride	mg/kg	0.902	0.00	.02	111.	65-109	L198000-33	WG202035
Chlorobenzene	mg/kg	0.779	0.0003	.02	96.1	62-119	L198000-33	WG202035
Chlorodibromomethane	mg/kg	0.739	0.0005	.02	91.1	64-111	L198000-33	WG202035
Chloroethane	mg/kg	0.458	0.0029	.02	56.2	45-145	L198000-33	WG202035
Chloroform	mg/kg	0.833	0.0261	.02	99.6	50-122	L198000-33	WG202035
Chloromethane	mg/kg	0.665	0.0070	.02	81.3	56-138	L198000-33	WG202035
cis-1,2-Dichloroethene	mg/kg	0.837	0.0016	.02	103.	63-114	L198000-33	WG202035
cis-1,3-Dichloropropene	mg/kg	0.766	0.0004	.02	94.5	63-118	L198000-33	WG202035
Di-isopropyl ether	mg/kg	0.845	0.0008	.02	104.	62-119	L198000-33	WG202035
Dibromomethane	mg/kg	0.821	0.00	.02	101.	66-123	L198000-33	WG202035
Dichlorodifluoromethane	mg/kg	0.943	0.0005	.02	116.	34-129	L198000-33	WG202035
Ethylbenzene	mg/kg	0.776	0.00	.02	95.9	64-113	L198000-33	WG202035
Hexachlorobutadiene	mg/kg	0.781	0.00	.02	96.4	34-89	L198000-33	WG202035
Isopropylbenzene	mg/kg	0.780	0.0020	.02	96.1	54-134	L198000-33	WG202035
Methyl tert-butyl ether	mg/kg	0.841	0.0010	.02	104.	50-137	L198000-33	WG202035
Methylene Chloride	mg/kg	0.780	0.0193	.02	93.9	46-126	L198000-33	WG202035
n-Butylbenzene	mg/kg	0.768	0.0003	.02	94.8	44-97	L198000-33	WG202035
n-Propylbenzene	mg/kg	0.707	0.0014	.02	87.1	59-108	L198000-33	WG202035
Naphthalene	mg/kg	0.853	0.0079	.02	104.	54-139	L198000-33	WG202035
p-Isopropyltoluene	mg/kg	0.713	0.0014	.02	87.9	54-108	L198000-33	WG202035
sec-Butylbenzene	mg/kg	0.721	0.0003	.02	89.0	60-107	L198000-33	WG202035
Styrene	mg/kg	0.722	0.0016	.02	88.9	59-115	L198000-33	WG202035
tert-Butylbenzene	mg/kg	0.752	0.0001	.02	92.9	63-115	L198000-33	WG202035
Tetrachloroethene	mg/kg	0.795	0.00	.02	98.2	54-116	L198000-33	WG202035
Toluene	mg/kg	0.789	0.00	.02	97.4	59-116	L198000-33	WG202035
trans-1,2-Dichloroethene	mg/kg	0.812	0.0015	.02	100.	66-119	L198000-33	WG202035
trans-1,3-Dichloropropene	mg/kg	0.694	0.00	.02	85.6	49-103	L198000-33	WG202035
Trichloroethene	mg/kg	0.822	0.00	.02	102.	62-112	L198000-33	WG202035
Trichlorofluoromethane	mg/kg	0.764	0.0020	.02	94.0	52-107	L198000-33	WG202035
Vinyl chloride	mg/kg	0.647	0.00	.02	79.8	56-120	L198000-33	WG202035
Xylenes, Total	mg/kg	2.29	0.00	.06	94.2	65-113	L198000-33	WG202035

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
PCB 1260	mg/kg	0.142	0.151	6.43	20	17.0	L198364-03	WG201347

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Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Oil & Grease (Hexane Extr)	mg/kg	5300	5800	9.01	20	103.	L198364-01	WG201544
Chromium	mg/kg	56.2	58.9	4.74	20	90.3	L198364-03	WG201687
Lead	mg/kg	59.7	64.2	7.36	20	89.4	L198364-03	WG201687
TPH - Oil & Grease	mg/kg	2400	2200	8.70	20	118.	L198653-05	WG201999
TPH - Oil & Grease	mg/kg	1500	1800	18.2	20	63.5	L198653-06	WG201999
1,1,1,2-Tetrachloroethane	mg/kg	0.832	0.782	6.16	9	103.	L198000-33	WG202035
1,1,1-Trichloroethane	mg/kg	0.883	0.837	5.35	16	109.	L198000-33	WG202035
1,1,2,2-Tetrachloroethane	mg/kg	0.785	0.733	6.84	12	96.8	L198000-33	WG202035
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.930	0.895	3.84	16	115.	L198000-33	WG202035
1,1,2-Trichloroethane	mg/kg	0.781	0.713	9.17	10	96.4	L198000-33	WG202035
1,1-Dichloroethane	mg/kg	0.916	0.904	1.31	12	113.	L198000-33	WG202035
1,1-Dichloroethene	mg/kg	0.887	0.888	0.0315	15	109.	L198000-33	WG202035
1,1-Dichloropropene	mg/kg	0.834	0.803	3.78	15	103.	L198000-33	WG202035
1,2,3-Trichlorobenzene	mg/kg	0.937	0.884	5.87	11	116.	L198000-33	WG202035
1,2,3-Trichloropropane	mg/kg	0.837	0.769	8.54	16	103.	L198000-33	WG202035
1,2,4-Trichlorobenzene	mg/kg	0.926	0.909	1.89	16	114.	L198000-33	WG202035
1,2,4-Trimethylbenzene	mg/kg	0.738	0.701	5.16	18	90.6	L198000-33	WG202035
1,2-Dibromo-3-Chloropropane	mg/kg	0.722	0.657	9.37	15	88.7	L198000-33	WG202035
1,2-Dibromoethane	mg/kg	0.825	0.789	4.47	10	102.	L198000-33	WG202035
1,2-Dichlorobenzene	mg/kg	0.900	0.863	4.19	12	111.	L198000-33	WG202035
1,2-Dichloroethane	mg/kg	0.947	0.918	3.15	9	115.	L198000-33	WG202035
1,2-Dichloropropane	mg/kg	0.866	0.809	6.74	10	107.	L198000-33	WG202035
1,3,5-Trimethylbenzene	mg/kg	0.770	0.725	6.06	16	94.8	L198000-33	WG202035
1,3-Dichlorobenzene	mg/kg	0.787	0.757	3.90	12	97.1	L198000-33	WG202035
1,3-Dichloropropane	mg/kg	0.819	0.777	5.24	8	101.	L198000-33	WG202035
1,4-Dichlorobenzene	mg/kg	0.865	0.832	3.88	10	107.	L198000-33	WG202035
2,2-Dichloropropane	mg/kg	0.984	0.938	4.76	14	121.	L198000-33	WG202035
2-Butanone (MEK)	mg/kg	3.76	3.63	3.48	13	91.4	L198000-33	WG202035
2-Chloroethyl vinyl ether	mg/kg	0.0868	0.0678	24.6	43	2.14	L198000-33	WG202035
2-Chlorotoluene	mg/kg	0.775	0.734	5.33	9	95.4	L198000-33	WG202035
4-Chlorotoluene	mg/kg	0.790	0.744	6.03	10	97.3	L198000-33	WG202035
4-Methyl-2-pentanone (MIBK)	mg/kg	3.77	3.61	4.44	10	93.1	L198000-33	WG202035
Acetone	mg/kg	3.27	3.09	5.87	20	75.7	L198000-33	WG202035
Acrolein	mg/kg	112.	107.	4.83	13	275.	L198000-33	WG202035
Acrylonitrile	mg/kg	4.04	4.42	9.04	8	99.8	L198000-33	WG202035
Benzene	mg/kg	1.59	1.53	4.07	14	109.	L198000-33	WG202035
Bromobenzene	mg/kg	0.824	0.784	5.05	9	102.	L198000-33	WG202035
Bromodichloromethane	mg/kg	0.829	0.806	2.83	10	102.	L198000-33	WG202035
Bromoform	mg/kg	0.759	0.731	3.79	12	93.5	L198000-33	WG202035
Bromomethane	mg/kg	0.0407	0.0334	19.8	12	5.03	L198000-33	WG202035
Carbon tetrachloride	mg/kg	0.930	0.902	3.13	14	115.	L198000-33	WG202035
Chlorobenzene	mg/kg	0.830	0.779	6.28	9	102.	L198000-33	WG202035
Chlorodibromomethane	mg/kg	0.771	0.739	4.23	15	95.1	L198000-33	WG202035
Chloroethane	mg/kg	0.600	0.458	26.9	23	73.7	L198000-33	WG202035
Chloroform	mg/kg	0.853	0.833	2.36	13	102.	L198000-33	WG202035
Chloromethane	mg/kg	0.715	0.665	7.20	12	87.4	L198000-33	WG202035
cis-1,2-Dichloroethene	mg/kg	0.880	0.837	4.97	13	108.	L198000-33	WG202035
cis-1,3-Dichloropropene	mg/kg	0.799	0.766	4.17	12	98.6	L198000-33	WG202035
Di-isopropyl ether	mg/kg	0.882	0.845	4.31	20	109.	L198000-33	WG202035
Dibromomethane	mg/kg	0.837	0.821	1.90	8	103.	L198000-33	WG202035
Dichlorodifluoromethane	mg/kg	0.957	0.943	1.52	13	118.	L198000-33	WG202035
Ethylbenzene	mg/kg	0.818	0.776	5.26	11	101.	L198000-33	WG202035
Hexachlorobutadiene	mg/kg	0.799	0.781	2.22	16	98.6	L198000-33	WG202035
Isopropylbenzene	mg/kg	0.829	0.780	6.01	9	102.	L198000-33	WG202035
Methyl tert-butyl ether	mg/kg	0.871	0.841	3.53	13	107.	L198000-33	WG202035
Methylene Chloride	mg/kg	0.802	0.780	2.76	12	96.6	L198000-33	WG202035

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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L198364

May 18, 2005

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
n-Butylbenzene	mg/kg	0.808	0.768	5.00	16	99.7	L198000-33	WG202035

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
n-Propylbenzene	mg/kg	0.758	0.707	6.98	14	93.4	L198000-33	WG202035
Naphthalene	mg/kg	0.925	0.853	8.15	17	113.	L198000-33	WG202035
p-Isopropyltoluene	mg/kg	0.768	0.713	7.40	23	94.6	L198000-33	WG202035
sec-Butylbenzene	mg/kg	0.763	0.721	5.70	12	94.2	L198000-33	WG202035
Styrene	mg/kg	0.767	0.722	6.04	10	94.4	L198000-33	WG202035
tert-Butylbenzene	mg/kg	0.800	0.752	6.08	11	98.7	L198000-33	WG202035
Tetrachloroethene	mg/kg	0.808	0.795	1.61	10	99.8	L198000-33	WG202035
Toluene	mg/kg	0.821	0.789	3.93	22	101.	L198000-33	WG202035
trans-1,2-Dichloroethene	mg/kg	0.853	0.812	4.87	15	105.	L198000-33	WG202035
trans-1,3-Dichloropropene	mg/kg	0.749	0.694	7.63	11	92.4	L198000-33	WG202035
Trichloroethene	mg/kg	0.857	0.822	4.09	15	106.	L198000-33	WG202035
Trichlorofluoromethane	mg/kg	0.773	0.764	1.26	16	95.2	L198000-33	WG202035
Vinyl chloride	mg/kg	0.694	0.647	7.03	20	85.6	L198000-33	WG202035
Xylenes, Total	mg/kg	2.43	2.29	5.85	24	99.9	L198000-33	WG202035

Batch number /Run number / Sample number cross reference

WG201544: R232903: L198364-01 02
WG201687: R233020: L198364-03 04
WG201819: R233094: L198364-01 02 03
WG201824: R233100: L198364-04
WG201892: R233175: L198364-05
WG201999: R233230: L198364-01 02
WG202035: R233271: L198364-01 02
WG201347: R233485: L198364-03

* denotes out of limit range result. See Attachment B of standard report for list of qualifiers.
* * Calculations are performed prior to rounding of reported values .

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Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L198364

May 18, 2005

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address:
Withers & Ravenel
111 Mackenan Dr.
Cary NC 27511

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Ty Colwell

Email to:

Project Description: Granite Development

City/State Collected: Morrisville / NC

Phone: 469-3340

Client Project #: 205095.0

ESC Key:

FAX: 535-4545

Collected by: David Hathaway

Site/Facility ID#:

P.O.#:

Collected by (signature):

Packed on Ice N (Y)

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed: Standard

Email? X No Yes

FAX? X No Yes

CoCode: (lab use only)

Template/Prelogin

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)
P1F	Grab	SS	1'	5/6	1230	2		L193364-01
P2F	Grab	SS	1'	5/6	1235	2		02
CPF	Composite	SS	1'	5/6	1240	1		03
BS	Grab	SS	1'	5/6	1245	1		04

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Flow _____ Other _____

Remarks:

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ Corp	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1	Bottles Received: 6+1TB
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/7/05	Time: 9:30

pH Checked: NCF:

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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 10, 2005

ESC Sample # : L197961-01

Date Received : May 05, 2005
Description : Stone Hedge Carolinas Property

Site ID :

Sample ID : B-3 1-2FT

Project # : 205095

Collected By : David Hathaway
Collection Date : 05/03/05 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.7		%	2540G	05/10/05	1
TPH (GC/FID) Low Fraction	BDL	0.12	mg/kg	GRO	05/09/05	1
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene	95.		% Rec.	GRO	05/09/05	1
Volatile Organics						
Acetone	0.051	0.030	mg/kg	8260B	05/07/05	1
Acrolein	BDL	0.059	mg/kg	8260B	05/07/05	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/07/05	1
Benzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/07/05	1
Bromomethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/07/05	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
Chloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	05/07/05	1
Chloroform	BDL	0.0059	mg/kg	8260B	05/07/05	1
Chloromethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/07/05	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2-Dibromo-3-Chloropropane	BDL	0.0024	mg/kg	8260B	05/07/05	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/07/05	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/07/05	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 10, 2005

ESC Sample # : L197961-01

Date Received : May 05, 2005
Description : Stone Hedge Carolinas Property

Site ID :

Sample ID : B-3 1-2FT

Project # : 205095

Collected By : David Hathaway
Collection Date : 05/03/05 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/07/05	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/07/05	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/07/05	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/07/05	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/07/05	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/07/05	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/07/05	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	05/07/05	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/07/05	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/07/05	1
Naphthalene	BDL	0.0059	mg/kg	8260B	05/07/05	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Styrene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Toluene	BDL	0.0059	mg/kg	8260B	05/07/05	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0012	mg/kg	8260B	05/07/05	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/07/05	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/07/05	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/07/05	1
Surrogate Recovery						
Toluene-d8	97.		% Rec.	8260B	05/07/05	1
Dibromofluoromethane	110		% Rec.	8260B	05/07/05	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 10, 2005

ESC Sample # : L197961-01

Date Received : May 05, 2005
Description : Stone Hedge Carolinas Property

Site ID :

Sample ID : B-3 1-2FT

Project # : 205095

Collected By : David Hathaway
Collection Date : 05/03/05 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
4-Bromofluorobenzene	110		% Rec.	8260B	05/07/05	1
TPH (GC/FID) High Fraction	49.	4.7	mg/kg	3546/DRO	05/09/05	1
Surrogate Recovery (50-150)						
o-Terphenyl	87.		% Rec.	3546/DRO	05/09/05	1

Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Reported: 05/10/05 12:39 Printed: 05/10/05 12:40

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Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 10, 2005

ESC Sample # : L197961-02

Date Received : May 05, 2005
Description : Stone Hedge Carolinas Property

Site ID :

Sample ID : TRIP BLANK

Project # : 205095

Collected By : David Hathaway
Collection Date : 05/03/05 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.025	mg/l	8260B	05/06/05	1
Acrolein	BDL	0.050	mg/l	8260B	05/06/05	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/06/05	1
Benzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/06/05	1
Bromoform	BDL	0.0010	mg/l	8260B	05/06/05	1
Bromomethane	BDL	0.0010	mg/l	8260B	05/06/05	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/06/05	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/06/05	1
Chloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/06/05	1
Chloroform	BDL	0.0050	mg/l	8260B	05/06/05	1
Chloromethane	BDL	0.0010	mg/l	8260B	05/06/05	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/06/05	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/l	8260B	05/06/05	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/06/05	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Dichlorodifluoromethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/06/05	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/06/05	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/06/05	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/06/05	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/06/05	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

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Est. 1970

REPORT OF ANALYSIS

Mr. Ty Colwell
Withers & Ravenel Eng. & Surveying
111 MacKenan Drive
Cary, NC 27511

May 10, 2005

ESC Sample # : L197961-02

Date Received : May 05, 2005
Description : Stone Hedge Carolinas Property

Site ID :

Sample ID : TRIP BLANK

Project # : 205095

Collected By : David Hathaway
Collection Date : 05/03/05 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/06/05	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/06/05	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Hexachlorobutadiene	BDL	0.0010	mg/l	8260B	05/06/05	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/06/05	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/06/05	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/06/05	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/06/05	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/06/05	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/06/05	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Styrene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	05/06/05	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/06/05	1
Toluene	BDL	0.0050	mg/l	8260B	05/06/05	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/06/05	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/06/05	1
Trichlorofluoromethane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/06/05	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/06/05	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/06/05	1
Surrogate Recovery						
Toluene-d8	99.		% Rec.	8260B	05/06/05	1
Dibromofluoromethane	99.		% Rec.	8260B	05/06/05	1
4-Bromofluorobenzene	100		% Rec.	8260B	05/06/05	1

Cheli Boucher, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - 81002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

Reported: 05/10/05 12:39 Printed: 05/10/05 12:40

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L197961-01	Acrolein	J4
	1,2-Dibromo-3-Chloropropane	J3
L197961-02	Acrolein	J4J3
	Acrylonitrile	J3
	Benzene	J3
	Bromobenzene	J3
	Bromodichloromethane	J3
	Bromoform	J3
	Bromomethane	J3
	sec-Butylbenzene	J3
	tert-Butylbenzene	J3
	Chlorobenzene	J3
	Chlorodibromomethane	J3
	2-Chloroethyl vinyl ether	J3
	Chloroform	J3
	2-Chlorotoluene	J3
	4-Chlorotoluene	J3
	1,2-Dibromoethane	J3
	Dibromomethane	J3
	1,2-Dichlorobenzene	J3
	1,3-Dichlorobenzene	J3
	1,4-Dichlorobenzene	J3
	1,1-Dichloroethane	J3
	1,2-Dichloroethane	J3
	1,1-Dichloroethene	J3
	cis-1,2-Dichloroethene	J3
	trans-1,2-Dichloroethene	J3
	1,2-Dichloropropane	J3
	1,1-Dichloropropene	J3
	1,3-Dichloropropane	J3
	cis-1,3-Dichloropropene	J3
	trans-1,3-Dichloropropene	J3
	2,2-Dichloropropane	J3
	Di-isopropyl ether	J3
	Ethylbenzene	J3
	Isopropylbenzene	J3
	p-Isopropyltoluene	J3
	2-Butanone (MEK)	J3
	Methylene Chloride	J3
	4-Methyl-2-pentanone (MIBK)	J3
	Methyl tert-butyl ether	J3
	Naphthalene	J3
	n-Propylbenzene	J3
	Styrene	J3
	1,1,1,2-Tetrachloroethane	J3
	1,1,2,2-Tetrachloroethane	J3
	1,1,2-Trichloro-1,2,2-trifluoroethane	J3
	Toluene	J3
	1,2,3-Trichlorobenzene	J3
	1,1,1-Trichloroethane	J3
	1,1,2-Trichloroethane	J3
	Trichloroethene	J3
	1,2,3-Trichloropropane	J3
	1,2,4-Trimethylbenzene	J3
	1,2,3-Trimethylbenzene	J3
	Vinyl chloride	J3
	Xylenes, Total	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	70-130	70-130
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	70-130	70-130
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	70-130	70-130

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
TPH (GC/FID) High Fraction	< 4	ppm	05/09/05 10:11	WG200833
1,1,1,2-Tetrachloroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,1,1-Trichloroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,1,2,2-Tetrachloroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,1,2-Trichloroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,1-Dichloroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,1-Dichloroethene	< .001	mg/l	05/06/05 14:22	WG200963
1,1-Dichloropropene	< .001	mg/l	05/06/05 14:22	WG200963
1,2,3-Trichlorobenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,2,3-Trichloropropane	< .001	mg/l	05/06/05 14:22	WG200963
1,2,3-Trimethylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,2,4-Trichlorobenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,2,4-Trimethylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,2-Dibromo-3-Chloropropane	< .002	mg/l	05/06/05 14:22	WG200963
1,2-Dibromoethane	< .001	mg/l	05/06/05 14:22	WG200963
1,2-Dichlorobenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,2-Dichloroethane	< .001	mg/l	05/06/05 14:22	WG200963
1,2-Dichloropropane	< .001	mg/l	05/06/05 14:22	WG200963
1,3,5-Trimethylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,3-Dichlorobenzene	< .001	mg/l	05/06/05 14:22	WG200963
1,3-Dichloropropane	< .001	mg/l	05/06/05 14:22	WG200963
1,4-Dichlorobenzene	< .001	mg/l	05/06/05 14:22	WG200963
2,2-Dichloropropane	< .001	mg/l	05/06/05 14:22	WG200963
2-Butanone (MEK)	< .01	mg/l	05/06/05 14:22	WG200963
2-Chloroethyl vinyl ether	< .001	mg/l	05/06/05 14:22	WG200963
2-Chlorotoluene	< .001	mg/l	05/06/05 14:22	WG200963
4-Chlorotoluene	< .001	mg/l	05/06/05 14:22	WG200963
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	05/06/05 14:22	WG200963
Acetone	< .025	mg/l	05/06/05 14:22	WG200963
Acrolein	< .05	mg/l	05/06/05 14:22	WG200963
Acrylonitrile	< .01	mg/l	05/06/05 14:22	WG200963
Benzene	< .001	mg/l	05/06/05 14:22	WG200963
Bromobenzene	< .001	mg/l	05/06/05 14:22	WG200963
Bromodichloromethane	< .001	mg/l	05/06/05 14:22	WG200963
Bromoform	< .001	mg/l	05/06/05 14:22	WG200963
Bromomethane	< .001	mg/l	05/06/05 14:22	WG200963
Carbon tetrachloride	< .001	mg/l	05/06/05 14:22	WG200963
Chlorobenzene	< .001	mg/l	05/06/05 14:22	WG200963
Chlorodibromomethane	< .001	mg/l	05/06/05 14:22	WG200963
Chloroethane	< .001	mg/l	05/06/05 14:22	WG200963
Chloroform	< .005	mg/l	05/06/05 14:22	WG200963
Chloromethane	< .001	mg/l	05/06/05 14:22	WG200963
cis-1,2-Dichloroethene	< .001	mg/l	05/06/05 14:22	WG200963
cis-1,3-Dichloropropene	< .001	mg/l	05/06/05 14:22	WG200963
Di-isopropyl ether	< .001	mg/l	05/06/05 14:22	WG200963
Dibromomethane	< .001	mg/l	05/06/05 14:22	WG200963
Dichlorodifluoromethane	< .001	mg/l	05/06/05 14:22	WG200963
Ethylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
Hexachlorobutadiene	< .001	mg/l	05/06/05 14:22	WG200963
Isopropylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
Methyl tert-butyl ether	< .001	mg/l	05/06/05 14:22	WG200963
Methylene Chloride	< .005	mg/l	05/06/05 14:22	WG200963
n-Butylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
n-Propylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
Naphthalene	< .005	mg/l	05/06/05 14:22	WG200963
p-Isopropyltoluene	< .001	mg/l	05/06/05 14:22	WG200963
sec-Butylbenzene	< .001	mg/l	05/06/05 14:22	WG200963
Styrene	< .001	mg/l	05/06/05 14:22	WG200963

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Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

Analyte	Result	Units	Date Analyzed	Batch
tert-Butylbenzene	< .001	mg/l	05/06/05 14:22	WG200963

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Tetrachloroethene	< .001	mg/l	05/06/05 14:22	WG200963
Toluene	< .005	mg/l	05/06/05 14:22	WG200963
trans-1,2-Dichloroethene	< .001	mg/l	05/06/05 14:22	WG200963
trans-1,3-Dichloropropene	< .001	mg/l	05/06/05 14:22	WG200963
Trichloroethene	< .001	mg/l	05/06/05 14:22	WG200963
Trichlorofluoromethane	< .001	mg/l	05/06/05 14:22	WG200963
Vinyl chloride	< .001	mg/l	05/06/05 14:22	WG200963
Xylenes, Total	< .003	mg/l	05/06/05 14:22	WG200963
1,1,1,2-Tetrachloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,1,1-Trichloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,1,2,2-Tetrachloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,1,2-Trichloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,1-Dichloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,1-Dichloroethene	< .001	mg/kg	05/06/05 21:20	WG200964
1,1-Dichloropropene	< .001	mg/kg	05/06/05 21:20	WG200964
1,2,3-Trichlorobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
1,2,3-Trichloropropane	< .001	mg/kg	05/06/05 21:20	WG200964
1,2,4-Trichlorobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
1,2,4-Trimethylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
1,2-Dibromo-3-Chloropropane	< .002	mg/kg	05/06/05 21:20	WG200964
1,2-Dibromoethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,2-Dichlorobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
1,2-Dichloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
1,2-Dichloropropane	< .001	mg/kg	05/06/05 21:20	WG200964
1,3,5-Trimethylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
1,3-Dichlorobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
1,3-Dichloropropane	< .001	mg/kg	05/06/05 21:20	WG200964
1,4-Dichlorobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
2,2-Dichloropropane	< .001	mg/kg	05/06/05 21:20	WG200964
2-Butanone (MEK)	< .01	mg/kg	05/06/05 21:20	WG200964
2-Chloroethyl vinyl ether	< .001	mg/kg	05/06/05 21:20	WG200964
2-Chlorotoluene	< .001	mg/kg	05/06/05 21:20	WG200964
4-Chlorotoluene	< .001	mg/kg	05/06/05 21:20	WG200964
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg	05/06/05 21:20	WG200964
Acetone	< .025	mg/kg	05/06/05 21:20	WG200964
Acrolein	< .05	mg/kg	05/06/05 21:20	WG200964
Acrylonitrile	< .01	mg/kg	05/06/05 21:20	WG200964
Benzene	< .001	mg/kg	05/06/05 21:20	WG200964
Bromobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Bromodichloromethane	< .001	mg/kg	05/06/05 21:20	WG200964
Bromoform	< .001	mg/kg	05/06/05 21:20	WG200964
Bromomethane	< .001	mg/kg	05/06/05 21:20	WG200964
Carbon tetrachloride	< .001	mg/kg	05/06/05 21:20	WG200964
Chlorobenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Chlorodibromomethane	< .001	mg/kg	05/06/05 21:20	WG200964
Chloroethane	< .001	mg/kg	05/06/05 21:20	WG200964
Chloroform	< .005	mg/kg	05/06/05 21:20	WG200964
Chloromethane	< .001	mg/kg	05/06/05 21:20	WG200964
cis-1,2-Dichloroethene	< .001	mg/kg	05/06/05 21:20	WG200964
cis-1,3-Dichloropropene	< .001	mg/kg	05/06/05 21:20	WG200964
Di-isopropyl ether	< .001	mg/kg	05/06/05 21:20	WG200964
Dibromomethane	< .001	mg/kg	05/06/05 21:20	WG200964
Dichlorodifluoromethane	< .001	mg/kg	05/06/05 21:20	WG200964
Ethylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Hexachlorobutadiene	< .001	mg/kg	05/06/05 21:20	WG200964
Isopropylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Methyl tert-butyl ether	< .001	mg/kg	05/06/05 21:20	WG200964

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Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

Analyte	Result	Units	Date Analyzed	Batch
Methylene Chloride	< .005	mg/kg	05/06/05 21:20	WG200964

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
n-Butylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
n-Propylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Naphthalene	< .005	mg/kg	05/06/05 21:20	WG200964
p-Isopropyltoluene	< .001	mg/kg	05/06/05 21:20	WG200964
sec-Butylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Styrene	< .001	mg/kg	05/06/05 21:20	WG200964
tert-Butylbenzene	< .001	mg/kg	05/06/05 21:20	WG200964
Tetrachloroethene	< .001	mg/kg	05/06/05 21:20	WG200964
Toluene	< .005	mg/kg	05/06/05 21:20	WG200964
trans-1,2-Dichloroethene	< .001	mg/kg	05/06/05 21:20	WG200964
trans-1,3-Dichloropropene	< .001	mg/kg	05/06/05 21:20	WG200964
Trichloroethene	< .001	mg/kg	05/06/05 21:20	WG200964
Trichlorofluoromethane	< .001	mg/kg	05/06/05 21:20	WG200964
Vinyl chloride	< .001	mg/kg	05/06/05 21:20	WG200964
Xylenes, Total	< .003	mg/kg	05/06/05 21:20	WG200964
TPH (GC/FID) Low Fraction	< .1	mg/kg	05/09/05 09:38	WG201206
Total Solids	0.00	%	05/10/05 12:14	WG201452

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	84.9	84.7	0.202	20	L197961-01	WG201452

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction	ppm	60	57.1	95.2	50-150	WG200833
1,1,1,2-Tetrachloroethane	mg/l	.02	0.0172	86.0	68-125	WG200963
1,1,1-Trichloroethane	mg/l	.02	0.0163	81.6	52-131	WG200963
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0160	80.2	63-127	WG200963
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.02	0.0179	89.6	73-130	WG200963
1,1,2-Trichloroethane	mg/l	.02	0.0148	73.9	71-117	WG200963
1,1-Dichloroethane	mg/l	.02	0.0157	78.6	50-140	WG200963
1,1-Dichloroethene	mg/l	.02	0.0186	92.8	67-137	WG200963
1,1-Dichloropropene	mg/l	.02	0.0162	81.0	59-127	WG200963
1,2,3-Trichlorobenzene	mg/l	.02	0.0167	83.3	73-143	WG200963
1,2,3-Trichloropropane	mg/l	.02	0.0157	78.7	56-130	WG200963
1,2,3-Trimethylbenzene	mg/l	.02	0.0139	69.5	63-103	WG200963
1,2,4-Trichlorobenzene	mg/l	.02	0.0173	86.7	71-136	WG200963
1,2,4-Trimethylbenzene	mg/l	.02	0.0161	80.3	64-119	WG200963
1,2-Dibromo-3-Chloropropane	mg/l	.02	0.0157	78.3	51-127	WG200963
1,2-Dibromoethane	mg/l	.02	0.0161	80.3	71-117	WG200963
1,2-Dichlorobenzene	mg/l	.02	0.0154	76.8	74-115	WG200963
1,2-Dichloroethane	mg/l	.02	0.0147	73.4	56-132	WG200963
1,2-Dichloropropane	mg/l	.02	0.0152	75.9	62-121	WG200963
1,3,5-Trimethylbenzene	mg/l	.02	0.0165	82.5	67-121	WG200963
1,3-Dichlorobenzene	mg/l	.02	0.0170	84.8	67-126	WG200963
1,3-Dichloropropane	mg/l	.02	0.0164	82.0	71-114	WG200963
1,4-Dichlorobenzene	mg/l	.02	0.0167	83.6	72-118	WG200963
2,2-Dichloropropane	mg/l	.02	0.0163	81.7	64-128	WG200963
2-Butanone (MEK)	mg/l	.1	0.0736	73.6	46-127	WG200963
2-Chloroethyl vinyl ether	mg/l	.1	0.0756	75.6	41-115	WG200963
2-Chlorotoluene	mg/l	.02	0.0170	85.1	68-121	WG200963
4-Chlorotoluene	mg/l	.02	0.0165	82.7	67-126	WG200963
4-Methyl-2-pentanone (MIBK)	mg/l	.1	0.0724	72.4	58-129	WG200963
Acetone	mg/l	.1	0.0797	79.7	36-156	WG200963

ENVIRONMENTAL SCIENCE CORP.

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Quality Assurance Report
Level II

L197961

May 10, 2005

Acrolein	mg/l	1	1.54	154.	28-115	WG200963

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Acrylonitrile	mg/l	.1	0.0707	70.7	47-119	WG200963
Benzene	mg/l	.02	0.0155	77.6	55-129	WG200963
Bromobenzene	mg/l	.02	0.0179	89.6	73-123	WG200963
Bromodichloromethane	mg/l	.02	0.0139	69.6	68-120	WG200963
Bromoform	mg/l	.02	0.0165	82.5	70-124	WG200963
Bromomethane	mg/l	.02	0.0143	71.5	24-117	WG200963
Carbon tetrachloride	mg/l	.02	0.0174	86.8	60-138	WG200963
Chlorobenzene	mg/l	.02	0.0169	84.7	71-121	WG200963
Chlorodibromomethane	mg/l	.02	0.0164	81.8	67-117	WG200963
Chloroethane	mg/l	.02	0.0168	83.9	49-143	WG200963
Chloroform	mg/l	.02	0.0159	79.5	67-119	WG200963
Chloromethane	mg/l	.02	0.0153	76.5	57-139	WG200963
cis-1,2-Dichloroethene	mg/l	.02	0.0171	85.4	64-124	WG200963
cis-1,3-Dichloropropene	mg/l	.02	0.0146	73.2	68-120	WG200963
Di-isopropyl ether	mg/l	.02	0.0132	65.9	55-135	WG200963
Dibromomethane	mg/l	.02	0.0152	76.1	72-116	WG200963
Dichlorodifluoromethane	mg/l	.02	0.0163	81.3	42-161	WG200963
Ethylbenzene	mg/l	.02	0.0170	85.0	70-121	WG200963
Hexachlorobutadiene	mg/l	.02	0.0157	78.7	64-107	WG200963
Isopropylbenzene	mg/l	.02	0.0176	88.0	71-123	WG200963
Methyl tert-butyl ether	mg/l	.02	0.0139	69.7	63-126	WG200963
Methylene Chloride	mg/l	.02	0.0155	77.5	60-125	WG200963
n-Butylbenzene	mg/l	.02	0.0155	77.7	68-124	WG200963
n-Propylbenzene	mg/l	.02	0.0173	86.5	67-124	WG200963
Naphthalene	mg/l	.02	0.0156	78.1	77-140	WG200963
p-Isopropyltoluene	mg/l	.02	0.0178	88.8	65-125	WG200963
sec-Butylbenzene	mg/l	.02	0.0179	89.5	67-122	WG200963
Styrene	mg/l	.02	0.0165	82.3	71-116	WG200963
tert-Butylbenzene	mg/l	.02	0.0173	86.3	66-125	WG200963
Tetrachloroethene	mg/l	.02	0.0192	95.9	67-124	WG200963
Toluene	mg/l	.02	0.0162	80.9	71-114	WG200963
trans-1,2-Dichloroethene	mg/l	.02	0.0171	85.7	64-138	WG200963
trans-1,3-Dichloropropene	mg/l	.02	0.0133	66.4	57-104	WG200963
Trichloroethene	mg/l	.02	0.0172	85.8	68-117	WG200963
Trichlorofluoromethane	mg/l	.02	0.0144	72.2	60-130	WG200963
Vinyl chloride	mg/l	.02	0.0145	72.4	60-131	WG200963
Xylenes, Total	mg/l	.06	0.0500	83.4	71-116	WG200963
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.0171	85.4	76-120	WG200964
1,1,1-Trichloroethane	mg/kg	.02	0.0192	95.8	69-112	WG200964
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.0167	83.6	75-122	WG200964
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.02	0.0218	109.	65-142	WG200964
1,1,2-Trichloroethane	mg/kg	.02	0.0174	86.9	77-115	WG200964
1,1-Dichloroethane	mg/kg	.02	0.0177	88.6	57-133	WG200964
1,1-Dichloroethene	mg/kg	.02	0.0216	108.	65-129	WG200964
1,1-Dichloropropene	mg/kg	.02	0.0191	95.5	69-119	WG200964
1,2,3-Trichlorobenzene	mg/kg	.02	0.0149	74.3	68-158	WG200964
1,2,3-Trichloropropane	mg/kg	.02	0.0167	83.6	72-122	WG200964
1,2,4-Trichlorobenzene	mg/kg	.02	0.0149	74.6	67-156	WG200964
1,2,4-Trimethylbenzene	mg/kg	.02	0.0171	85.3	67-124	WG200964
1,2-Dibromo-3-Chloropropane	mg/kg	.02	0.0147	73.5	62-127	WG200964
1,2-Dibromoethane	mg/kg	.02	0.0177	88.7	74-121	WG200964
1,2-Dichlorobenzene	mg/kg	.02	0.0177	88.4	78-114	WG200964
1,2-Dichloroethane	mg/kg	.02	0.0180	90.0	71-119	WG200964
1,2-Dichloropropane	mg/kg	.02	0.0199	99.7	72-119	WG200964
1,3,5-Trimethylbenzene	mg/kg	.02	0.0182	91.0	70-124	WG200964
1,3-Dichlorobenzene	mg/kg	.02	0.0169	84.5	72-127	WG200964
1,3-Dichloropropane	mg/kg	.02	0.0183	91.5	77-114	WG200964
1,4-Dichlorobenzene	mg/kg	.02	0.0169	84.6	71-121	WG200964

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2,2-Dichloropropane	mg/kg	.02	0.0145	72.5	59-133	WG200964

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
2-Butanone (MEK)	mg/kg	.1	0.0859	85.9	57-133	WG200964
2-Chloroethyl vinyl ether	mg/kg	.1	0.0705	70.5	34-132	WG200964
2-Chlorotoluene	mg/kg	.02	0.0185	92.7	72-122	WG200964
4-Chlorotoluene	mg/kg	.02	0.0179	89.3	72-126	WG200964
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.0802	80.2	65-137	WG200964
Acetone	mg/kg	.1	0.0857	85.7	48-155	WG200964
Acrolein	mg/kg	1	1.86	186.	43-104	WG200964
Acrylonitrile	mg/kg	.1	0.0926	92.6	54-123	WG200964
Benzene	mg/kg	.02	0.0181	90.6	72-115	WG200964
Bromobenzene	mg/kg	.02	0.0177	88.7	75-129	WG200964
Bromodichloromethane	mg/kg	.02	0.0174	86.9	72-125	WG200964
Bromoform	mg/kg	.02	0.0162	81.0	68-137	WG200964
Bromomethane	mg/kg	.02	0.0155	77.3	34-129	WG200964
Carbon tetrachloride	mg/kg	.02	0.0187	93.4	63-133	WG200964
Chlorobenzene	mg/kg	.02	0.0186	92.8	76-119	WG200964
Chlorodibromomethane	mg/kg	.02	0.0182	91.1	74-117	WG200964
Chloroethane	mg/kg	.02	0.0190	94.9	47-135	WG200964
Chloroform	mg/kg	.02	0.0186	92.9	69-119	WG200964
Chloromethane	mg/kg	.02	0.0170	84.8	50-153	WG200964
cis-1,2-Dichloroethene	mg/kg	.02	0.0192	96.2	67-126	WG200964
cis-1,3-Dichloropropene	mg/kg	.02	0.0163	81.6	74-121	WG200964
Di-isopropyl ether	mg/kg	.02	0.0171	85.4	65-123	WG200964
Dibromomethane	mg/kg	.02	0.0176	88.0	74-123	WG200964
Dichlorodifluoromethane	mg/kg	.02	0.0170	85.1	71-152	WG200964
Ethylbenzene	mg/kg	.02	0.0192	96.0	72-121	WG200964
Hexachlorobutadiene	mg/kg	.02	0.0156	77.9	65-113	WG200964
Isopropylbenzene	mg/kg	.02	0.0197	98.5	71-128	WG200964
Methyl tert-butyl ether	mg/kg	.02	0.0171	85.6	74-123	WG200964
Methylene Chloride	mg/kg	.02	0.0173	86.5	60-127	WG200964
n-Butylbenzene	mg/kg	.02	0.0175	87.4	69-126	WG200964
n-Propylbenzene	mg/kg	.02	0.0186	93.1	68-130	WG200964
Naphthalene	mg/kg	.02	0.0134	67.1	64-159	WG200964
p-Isopropyltoluene	mg/kg	.02	0.0182	91.0	69-130	WG200964
sec-Butylbenzene	mg/kg	.02	0.0189	94.6	69-129	WG200964
Styrene	mg/kg	.02	0.0180	89.9	71-124	WG200964
tert-Butylbenzene	mg/kg	.02	0.0189	94.6	68-130	WG200964
Tetrachloroethene	mg/kg	.02	0.0200	99.9	72-123	WG200964
Toluene	mg/kg	.02	0.0182	90.9	73-117	WG200964
trans-1,2-Dichloroethene	mg/kg	.02	0.0219	109.	67-137	WG200964
trans-1,3-Dichloropropene	mg/kg	.02	0.0132	66.0	63-108	WG200964
Trichloroethene	mg/kg	.02	0.0198	99.2	71-120	WG200964
Trichlorofluoromethane	mg/kg	.02	0.0180	89.8	51-132	WG200964
Vinyl chloride	mg/kg	.02	0.0169	84.6	58-136	WG200964
Xylenes, Total	mg/kg	.06	0.0559	93.2	73-121	WG200964
TPH (GC/FID) Low Fraction	mg/kg	2.2	1.93	87.7	70-130	WG201206
Total Solids	%	50	50.0	100.	85-115	WG201452

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
TPH (GC/FID) High Fraction	ppm	51.3	57.1	10.7	20	85.5	WG200833
1,1,1,2-Tetrachloroethane	mg/l	0.0195	0.0172	12.7	10	97.6	WG200963
1,1,1-Trichloroethane	mg/l	0.0203	0.0163	21.5	12	101.	WG200963
1,1,2,2-Tetrachloroethane	mg/l	0.0198	0.0160	21.1	13	99.1	WG200963
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0205	0.0179	13.5	10	103.	WG200963
1,1,2-Trichloroethane	mg/l	0.0175	0.0148	16.9	9	87.6	WG200963

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Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1-Dichloroethane	mg/l	0.0182	0.0157	14.3	11	90.8	WG200963

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1-Dichloroethene	mg/l	0.0210	0.0186	12.5	10	105.	WG200963
1,1-Dichloropropene	mg/l	0.0190	0.0162	16.1	11	95.2	WG200963
1,2,3-Trichlorobenzene	mg/l	0.0204	0.0167	20.2	14	102.	WG200963
1,2,3-Trichloropropane	mg/l	0.0220	0.0157	33.4	16	110.	WG200963
1,2,3-Trimethylbenzene	mg/l	0.0161	0.0139	14.4	12	80.3	WG200963
1,2,4-Trichlorobenzene	mg/l	0.0197	0.0173	12.6	18	98.3	WG200963
1,2,4-Trimethylbenzene	mg/l	0.0186	0.0161	14.6	14	92.9	WG200963
1,2-Dibromo-3-Chloropropane	mg/l	0.0178	0.0157	12.7	15	88.9	WG200963
1,2-Dibromoethane	mg/l	0.0194	0.0161	18.9	13	97.0	WG200963
1,2-Dichlorobenzene	mg/l	0.0183	0.0154	17.6	11	91.6	WG200963
1,2-Dichloroethane	mg/l	0.0183	0.0147	21.8	12	91.5	WG200963
1,2-Dichloropropane	mg/l	0.0184	0.0152	19.0	14	91.8	WG200963
1,3,5-Trimethylbenzene	mg/l	0.0192	0.0165	15.0	15	95.9	WG200963
1,3-Dichlorobenzene	mg/l	0.0205	0.0170	18.7	13	102.	WG200963
1,3-Dichloropropane	mg/l	0.0198	0.0164	18.5	11	98.8	WG200963
1,4-Dichlorobenzene	mg/l	0.0197	0.0167	16.5	13	98.7	WG200963
2,2-Dichloropropane	mg/l	0.0186	0.0163	12.8	10	92.9	WG200963
2-Butanone (MEK)	mg/l	0.108	0.0736	37.7	24	108.	WG200963
2-Chloroethyl vinyl ether	mg/l	0.0990	0.0756	26.8	22	99.0	WG200963
2-Chlorotoluene	mg/l	0.0195	0.0170	13.4	12	97.4	WG200963
4-Chlorotoluene	mg/l	0.0191	0.0165	14.5	14	95.6	WG200963
4-Methyl-2-pentanone (MIBK)	mg/l	0.103	0.0724	35.1	15	103.	WG200963
Acetone	mg/l	0.109	0.0797	30.7	38	109.	WG200963
Acrolein	mg/l	2.09	1.54	30.0	29	209.	WG200963
Acrylonitrile	mg/l	0.0949	0.0707	29.3	18	94.9	WG200963
Benzene	mg/l	0.0179	0.0155	14.1	11	89.4	WG200963
Bromobenzene	mg/l	0.0207	0.0179	14.2	13	103.	WG200963
Bromodichloromethane	mg/l	0.0178	0.0139	24.5	9	89.1	WG200963
Bromoform	mg/l	0.0199	0.0165	18.5	10	99.3	WG200963
Bromomethane	mg/l	0.0170	0.0143	17.1	17	84.9	WG200963
Carbon tetrachloride	mg/l	0.0201	0.0174	14.6	16	100.	WG200963
Chlorobenzene	mg/l	0.0197	0.0169	15.1	11	98.5	WG200963
Chlorodibromomethane	mg/l	0.0197	0.0164	18.6	11	98.6	WG200963
Chloroethane	mg/l	0.0200	0.0168	17.4	22	99.9	WG200963
Chloroform	mg/l	0.0188	0.0159	16.8	10	94.0	WG200963
Chloromethane	mg/l	0.0178	0.0153	15.2	17	89.1	WG200963
cis-1,2-Dichloroethene	mg/l	0.0197	0.0171	14.0	12	98.3	WG200963
cis-1,3-Dichloropropene	mg/l	0.0181	0.0146	21.2	17	90.5	WG200963
Di-isopropyl ether	mg/l	0.0157	0.0132	17.3	11	78.4	WG200963
Dibromomethane	mg/l	0.0201	0.0152	27.5	10	100.	WG200963
Dichlorodifluoromethane	mg/l	0.0182	0.0163	11.1	26	90.9	WG200963
Ethylbenzene	mg/l	0.0200	0.0170	16.1	10	99.9	WG200963
Hexachlorobutadiene	mg/l	0.0172	0.0157	8.94	18	86.0	WG200963
Isopropylbenzene	mg/l	0.0204	0.0176	14.8	12	102.	WG200963
Methyl tert-butyl ether	mg/l	0.0173	0.0139	21.3	11	86.3	WG200963
Methylene Chloride	mg/l	0.0190	0.0155	20.1	10	94.8	WG200963
n-Butylbenzene	mg/l	0.0178	0.0155	13.7	16	89.1	WG200963
n-Propylbenzene	mg/l	0.0201	0.0173	15.0	11	100.	WG200963
Naphthalene	mg/l	0.0201	0.0156	25.2	16	101.	WG200963
p-Isopropyltoluene	mg/l	0.0210	0.0178	16.9	13	105.	WG200963
sec-Butylbenzene	mg/l	0.0203	0.0179	12.8	11	102.	WG200963
Styrene	mg/l	0.0188	0.0165	13.0	12	93.8	WG200963
tert-Butylbenzene	mg/l	0.0201	0.0173	15.2	14	100.	WG200963
Tetrachloroethene	mg/l	0.0218	0.0192	12.8	13	109.	WG200963
Toluene	mg/l	0.0195	0.0162	18.5	12	97.4	WG200963
trans-1,2-Dichloroethene	mg/l	0.0196	0.0171	13.2	9	97.8	WG200963
trans-1,3-Dichloropropene	mg/l	0.0173	0.0133	26.1	12	86.3	WG200963
Trichloroethene	mg/l	0.0211	0.0172	20.6	11	106.	WG200963
Trichlorofluoromethane	mg/l	0.0160	0.0144	10.5	12	80.2	WG200963

ENVIRONMENTAL SCIENCE CORP.

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Est. 1970

Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Vinyl chloride	mg/l	0.0176	0.0145	19.3	12	87.9	WG200963
		Laboratory Control Sample Duplicate					
Xylenes, Total	mg/l	0.0589	0.0500	16.3	11	98.2	WG200963
1,1,1,2-Tetrachloroethane	mg/kg	0.0192	0.0171	11.8	13	96.1	WG200964
1,1,1-Trichloroethane	mg/kg	0.0207	0.0192	7.65	12	103.	WG200964
1,1,2,2-Tetrachloroethane	mg/kg	0.0189	0.0167	12.1	19	94.3	WG200964
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0233	0.0218	6.73	13	117.	WG200964
1,1,2-Trichloroethane	mg/kg	0.0187	0.0174	7.28	14	93.5	WG200964
1,1-Dichloroethane	mg/kg	0.0188	0.0177	6.14	14	94.2	WG200964
1,1-Dichloroethene	mg/kg	0.0235	0.0216	8.44	13	118.	WG200964
1,1-Dichloropropene	mg/kg	0.0210	0.0191	9.53	15	105.	WG200964
1,2,3-Trichlorobenzene	mg/kg	0.0156	0.0149	4.73	15	77.9	WG200964
1,2,3-Trichloropropane	mg/kg	0.0195	0.0167	15.2	16	97.4	WG200964
1,2,4-Trichlorobenzene	mg/kg	0.0157	0.0149	5.26	17	78.7	WG200964
1,2,4-Trimethylbenzene	mg/kg	0.0189	0.0171	10.1	18	94.3	WG200964
1,2-Dibromo-3-Chloropropane	mg/kg	0.0184	0.0147	22.5	19	92.1	WG200964
1,2-Dibromoethane	mg/kg	0.0192	0.0177	7.69	14	95.8	WG200964
1,2-Dichlorobenzene	mg/kg	0.0188	0.0177	6.40	13	94.2	WG200964
1,2-Dichloroethane	mg/kg	0.0191	0.0180	5.99	11	95.5	WG200964
1,2-Dichloropropane	mg/kg	0.0200	0.0199	0.248	14	100.	WG200964
1,3,5-Trimethylbenzene	mg/kg	0.0196	0.0182	7.18	19	97.8	WG200964
1,3-Dichlorobenzene	mg/kg	0.0179	0.0169	6.00	18	89.7	WG200964
1,3-Dichloropropane	mg/kg	0.0193	0.0183	5.35	14	96.5	WG200964
1,4-Dichlorobenzene	mg/kg	0.0186	0.0169	9.26	15	92.9	WG200964
2,2-Dichloropropane	mg/kg	0.0154	0.0145	5.79	15	76.8	WG200964
2-Butanone (MEK)	mg/kg	0.0894	0.0859	3.96	14	89.4	WG200964
2-Chloroethyl vinyl ether	mg/kg	0.0779	0.0705	9.94	16	77.9	WG200964
2-Chlorotoluene	mg/kg	0.0199	0.0185	7.20	18	99.6	WG200964
4-Chlorotoluene	mg/kg	0.0197	0.0179	9.59	18	98.3	WG200964
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0874	0.0802	8.60	16	87.4	WG200964
Acetone	mg/kg	0.0955	0.0857	10.9	20	95.5	WG200964
Acrolein	mg/kg	2.04	1.86	8.95	17	204.	WG200964
Acrylonitrile	mg/kg	0.0996	0.0926	7.25	15	99.6	WG200964
Benzene	mg/kg	0.0194	0.0181	6.89	13	97.1	WG200964
Bromobenzene	mg/kg	0.0193	0.0177	8.65	15	96.7	WG200964
Bromodichloromethane	mg/kg	0.0188	0.0174	7.86	14	94.0	WG200964
Bromoform	mg/kg	0.0185	0.0162	13.3	15	92.6	WG200964
Bromomethane	mg/kg	0.0156	0.0155	1.16	27	78.2	WG200964
Carbon tetrachloride	mg/kg	0.0208	0.0187	10.8	13	104.	WG200964
Chlorobenzene	mg/kg	0.0202	0.0186	8.33	13	101.	WG200964
Chlorodibromomethane	mg/kg	0.0198	0.0182	8.38	15	99.0	WG200964
Chloroethane	mg/kg	0.0200	0.0190	5.14	16	99.9	WG200964
Chloroform	mg/kg	0.0197	0.0186	5.79	12	98.4	WG200964
Chloromethane	mg/kg	0.0180	0.0170	5.73	15	89.8	WG200964
cis-1,2-Dichloroethene	mg/kg	0.0204	0.0192	5.85	13	102.	WG200964
cis-1,3-Dichloropropene	mg/kg	0.0174	0.0163	6.17	16	86.8	WG200964
Di-isopropyl ether	mg/kg	0.0179	0.0171	4.72	13	89.6	WG200964
Dibromomethane	mg/kg	0.0199	0.0176	12.2	10	99.5	WG200964
Dichlorodifluoromethane	mg/kg	0.0183	0.0170	7.14	16	91.4	WG200964
Ethylbenzene	mg/kg	0.0205	0.0192	6.62	14	103.	WG200964
Hexachlorobutadiene	mg/kg	0.0168	0.0156	7.24	13	83.8	WG200964
Isopropylbenzene	mg/kg	0.0213	0.0197	7.89	17	107.	WG200964
Methyl tert-butyl ether	mg/kg	0.0185	0.0171	8.01	12	92.7	WG200964
Methylene Chloride	mg/kg	0.0184	0.0173	6.13	14	92.0	WG200964
n-Butylbenzene	mg/kg	0.0192	0.0175	9.13	13	95.8	WG200964
n-Propylbenzene	mg/kg	0.0199	0.0186	6.60	18	99.5	WG200964
Naphthalene	mg/kg	0.0144	0.0134	7.30	14	72.2	WG200964
p-Isopropyltoluene	mg/kg	0.0197	0.0182	7.72	23	98.3	WG200964
sec-Butylbenzene	mg/kg	0.0204	0.0189	7.44	19	102.	WG200964
Styrene	mg/kg	0.0195	0.0180	8.31	16	97.7	WG200964

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Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
tert-Butylbenzene	mg/kg	0.0205	0.0189	8.09	19	103.	WG200964

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Tetrachloroethene	mg/kg	0.0209	0.0200	4.34	15	104.	WG200964
Toluene	mg/kg	0.0198	0.0182	8.72	15	99.2	WG200964
trans-1,2-Dichloroethene	mg/kg	0.0233	0.0219	6.34	16	116.	WG200964
trans-1,3-Dichloropropene	mg/kg	0.0144	0.0132	8.92	14	72.2	WG200964
Trichloroethene	mg/kg	0.0210	0.0198	5.62	13	105.	WG200964
Trichlorofluoromethane	mg/kg	0.0192	0.0180	6.66	15	96.0	WG200964
Vinyl chloride	mg/kg	0.0181	0.0169	7.00	20	90.7	WG200964
Xylenes, Total	mg/kg	0.0602	0.0559	7.37	15	100.	WG200964
TPH (GC/FID) Low Fraction	mg/kg	1.94	1.93	0.382	30	88.0	WG201206

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction	ppm	49.7	0.00	60	82.8	50-150	L197960-01	WG200833
1,1,1,2-Tetrachloroethane	mg/l	0.0193	0.00	.02	96.4	70-114	L198041-07	WG200963
1,1,1-Trichloroethane	mg/l	0.0162	0.00	.02	81.0	57-118	L198041-07	WG200963
1,1,2,2-Tetrachloroethane	mg/l	0.0189	0.00	.02	94.4	66-121	L198041-07	WG200963
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0160	0.00	.02	79.9	63-139	L198041-07	WG200963
1,1,2-Trichloroethane	mg/l	0.0173	0.00	.02	86.6	46-131	L198041-07	WG200963
1,1-Dichloroethane	mg/l	0.0156	0.00	.02	78.1	60-117	L198041-07	WG200963
1,1-Dichloroethene	mg/l	0.0171	0.00	.02	85.4	55-143	L198041-07	WG200963
1,1-Dichloropropene	mg/l	0.0150	0.00	.02	74.8	61-118	L198041-07	WG200963
1,2,3-Trichlorobenzene	mg/l	0.0171	0.00	.02	85.6	59-127	L198041-07	WG200963
1,2,3-Trichloropropane	mg/l	0.0181	0.00	.02	90.7	64-114	L198041-07	WG200963
1,2,3-Trimethylbenzene	mg/l	0.0152	0.00	.02	76.1	55-98	L198041-07	WG200963
1,2,4-Trichlorobenzene	mg/l	0.0164	0.00	.02	81.9	52-125	L198041-07	WG200963
1,2,4-Trimethylbenzene	mg/l	0.0173	0.00	.02	86.6	63-108	L198041-07	WG200963
1,2-Dibromo-3-Chloropropane	mg/l	0.0161	0.00	.02	80.5	56-109	L198041-07	WG200963
1,2-Dibromoethane	mg/l	0.0181	0.00	.02	90.6	71-114	L198041-07	WG200963
1,2-Dichlorobenzene	mg/l	0.0167	0.00	.02	83.7	67-109	L198041-07	WG200963
1,2-Dichloroethane	mg/l	0.0158	0.00	.02	78.9	61-127	L198041-07	WG200963
1,2-Dichloropropane	mg/l	0.0171	0.00	.02	85.5	64-115	L198041-07	WG200963
1,3,5-Trimethylbenzene	mg/l	0.0170	0.00	.02	85.0	65-109	L198041-07	WG200963
1,3-Dichlorobenzene	mg/l	0.0182	0.00	.02	91.0	64-111	L198041-07	WG200963
1,3-Dichloropropane	mg/l	0.0188	0.00	.02	94.0	72-110	L198041-07	WG200963
1,4-Dichlorobenzene	mg/l	0.0173	0.00	.02	86.4	60-111	L198041-07	WG200963
2,2-Dichloropropane	mg/l	0.0158	0.00	.02	79.2	60-119	L198041-07	WG200963
2-Butanone (MEK)	mg/l	0.0703	0.0010	.1	69.2	41-124	L198041-07	WG200963
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	.1	0.0	20-138	L198041-07	WG200963
2-Chlorotoluene	mg/l	0.0181	0.00	.02	90.5	66-110	L198041-07	WG200963
4-Chlorotoluene	mg/l	0.0172	0.00	.02	85.9	67-110	L198041-07	WG200963
4-Methyl-2-pentanone (MIBK)	mg/l	0.0793	0.00	.1	79.3	57-123	L198041-07	WG200963
Acetone	mg/l	0.0686	0.00	.1	68.6	20-148	L198041-07	WG200963
Acrolein	mg/l	1.37	0.0036	1	137.	21-105	L198041-07	WG200963
Acrylonitrile	mg/l	0.0702	0.00	.1	70.2	44-118	L198041-07	WG200963
Benzene	mg/l	0.0154	0.00	.02	77.2	57-124	L198041-07	WG200963
Bromobenzene	mg/l	0.0205	0.00	.02	103.	68-121	L198041-07	WG200963
Bromodichloromethane	mg/l	0.0165	0.00	.02	82.3	70-114	L198041-07	WG200963
Bromoform	mg/l	0.0198	0.00	.02	99.0	65-122	L198041-07	WG200963
Bromomethane	mg/l	0.0107	0.00	.02	53.4	34-110	L198041-07	WG200963
Carbon tetrachloride	mg/l	0.0172	0.00	.02	86.2	63-124	L198041-07	WG200963
Chlorobenzene	mg/l	0.0186	0.00	.02	92.9	70-113	L198041-07	WG200963
Chlorodibromomethane	mg/l	0.0184	0.00	.02	91.8	67-111	L198041-07	WG200963
Chloroethane	mg/l	0.0156	0.00	.02	78.2	43-156	L198041-07	WG200963
Chloroform	mg/l	0.0198	0.0035	.02	81.1	66-111	L198041-07	WG200963
Chloromethane	mg/l	0.0128	0.00	.02	63.9	45-150	L198041-07	WG200963
cis-1,2-Dichloroethene	mg/l	0.0175	0.00	.02	87.3	67-112	L198041-07	WG200963

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Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
cis-1,3-Dichloropropene	mg/l	0.0158	0.00	.02	78.9	66-110	L198041-07	WG200963
Di-isopropyl ether	mg/l	0.0136	0.00	.02	68.1	59-120	L198041-07	WG200963
Dibromomethane	mg/l	0.0177	0.00	.02	88.4	64-119	L198041-07	WG200963
Dichlorodifluoromethane	mg/l	0.0115	0.00	.02	57.7	41-139	L198041-07	WG200963
Ethylbenzene	mg/l	0.0177	0.00	.02	88.3	69-109	L198041-07	WG200963
Hexachlorobutadiene	mg/l	0.0155	0.00	.02	77.3	49-107	L198041-07	WG200963
Isopropylbenzene	mg/l	0.0186	0.00	.02	93.0	69-113	L198041-07	WG200963
Methyl tert-butyl ether	mg/l	0.0146	0.00	.02	72.8	59-126	L198041-07	WG200963
Methylene Chloride	mg/l	0.0161	0.00	.02	80.5	59-118	L198041-07	WG200963
n-Butylbenzene	mg/l	0.0153	0.00	.02	76.5	54-110	L198041-07	WG200963
n-Propylbenzene	mg/l	0.0178	0.00	.02	89.2	63-111	L198041-07	WG200963
Naphthalene	mg/l	0.0169	0.00	.02	84.3	51-143	L198041-07	WG200963
p-Isopropyltoluene	mg/l	0.0188	0.00	.02	94.0	64-113	L198041-07	WG200963
sec-Butylbenzene	mg/l	0.0186	0.00	.02	93.1	66-112	L198041-07	WG200963
Styrene	mg/l	0.0175	0.00	.02	87.7	64-112	L198041-07	WG200963
tert-Butylbenzene	mg/l	0.0188	0.00	.02	93.9	66-114	L198041-07	WG200963
Tetrachloroethene	mg/l	0.0189	0.00	.02	94.6	62-115	L198041-07	WG200963
Toluene	mg/l	0.0169	0.00	.02	84.5	68-108	L198041-07	WG200963
trans-1,2-Dichloroethene	mg/l	0.0152	0.00	.02	75.8	63-124	L198041-07	WG200963
trans-1,3-Dichloropropene	mg/l	0.0148	0.00	.02	74.0	55-110	L198041-07	WG200963
Trichloroethene	mg/l	0.0178	0.00	.02	89.0	67-109	L198041-07	WG200963
Trichlorofluoromethane	mg/l	0.0130	0.00	.02	65.2	53-123	L198041-07	WG200963
Vinyl chloride	mg/l	0.0121	0.00	.02	60.5	26-110	L198041-07	WG200963
Xylenes, Total	mg/l	0.0534	0.00	.06	89.0	71-110	L198041-07	WG200963
1,1,1,2-Tetrachloroethane	mg/kg	0.0968	0.00	.02	96.8	64-126	L197776-01	WG200964
1,1,1-Trichloroethane	mg/kg	0.0971	0.00	.02	97.1	59-110	L197776-01	WG200964
1,1,2,2-Tetrachloroethane	mg/kg	0.102	0.00	.02	102.	72-110	L197776-01	WG200964
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.103	0.00	.02	103.	60-121	L197776-01	WG200964
1,1,2-Trichloroethane	mg/kg	0.0993	0.00	.02	99.3	68-117	L197776-01	WG200964
1,1-Dichloroethane	mg/kg	0.0999	0.00	.02	99.9	60-116	L197776-01	WG200964
1,1-Dichloroethene	mg/kg	0.111	0.00	.02	111.	62-127	L197776-01	WG200964
1,1-Dichloropropene	mg/kg	0.0965	0.00	.02	96.5	60-108	L197776-01	WG200964
1,2,3-Trichlorobenzene	mg/kg	0.0645	0.00	.02	64.5	45-114	L197776-01	WG200964
1,2,3-Trichloropropane	mg/kg	0.103	0.00	.02	103.	59-122	L197776-01	WG200964
1,2,4-Trichlorobenzene	mg/kg	0.0562	0.00	.02	56.2	41-105	L197776-01	WG200964
1,2,4-Trimethylbenzene	mg/kg	0.0827	0.00	.02	82.7	56-110	L197776-01	WG200964
1,2-Dibromo-3-Chloropropane	mg/kg	0.0879	0.00	.02	87.9	48-118	L197776-01	WG200964
1,2-Dibromoethane	mg/kg	0.0973	0.00	.02	97.3	68-118	L197776-01	WG200964
1,2-Dichlorobenzene	mg/kg	0.0837	0.00	.02	83.7	48-117	L197776-01	WG200964
1,2-Dichloroethane	mg/kg	0.107	0.00	.02	107.	60-118	L197776-01	WG200964
1,2-Dichloropropane	mg/kg	0.105	0.00	.02	105.	56-124	L197776-01	WG200964
1,3,5-Trimethylbenzene	mg/kg	0.0855	0.00	.02	85.5	60-110	L197776-01	WG200964
1,3-Dichlorobenzene	mg/kg	0.0792	0.00	.02	79.2	45-113	L197776-01	WG200964
1,3-Dichloropropane	mg/kg	0.101	0.00	.02	101.	61-124	L197776-01	WG200964
1,4-Dichlorobenzene	mg/kg	0.0744	0.00	.02	74.4	40-113	L197776-01	WG200964
2,2-Dichloropropane	mg/kg	0.0657	0.00	.02	65.7	54-114	L197776-01	WG200964
2-Butanone (MEK)	mg/kg	0.476	0.00	.1	95.1	49-124	L197776-01	WG200964
2-Chloroethyl vinyl ether	mg/kg	0.317	0.00	.1	63.5	32-126	L197776-01	WG200964
2-Chlorotoluene	mg/kg	0.0900	0.00	.02	90.0	56-111	L197776-01	WG200964
4-Chlorotoluene	mg/kg	0.0832	0.00	.02	83.2	55-108	L197776-01	WG200964
4-Methyl-2-pentanone (MIBK)	mg/kg	0.439	0.00	.1	87.9	63-123	L197776-01	WG200964
Acetone	mg/kg	0.462	0.00	.1	92.3	33-112	L197776-01	WG200964
Acrolein	mg/kg	7.58	0.00	1	152.	25-77	L197776-01	WG200964
Acrylonitrile	mg/kg	0.481	0.00	.1	96.2	51-108	L197776-01	WG200964
Benzene	mg/kg	0.101	0.00	.02	101.	62-113	L197776-01	WG200964
Bromobenzene	mg/kg	0.0940	0.00	.02	94.0	54-134	L197776-01	WG200964
Bromodichloromethane	mg/kg	0.0958	0.00	.02	95.8	66-121	L197776-01	WG200964
Bromoform	mg/kg	0.0900	0.00	.02	90.0	61-130	L197776-01	WG200964
Bromomethane	mg/kg	0.0731	0.00	.02	73.1	34-99	L197776-01	WG200964

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111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Carbon tetrachloride	mg/kg	0.0917	0.00	.02	91.7	65-109	L197776-01	WG200964

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chlorobenzene	mg/kg	0.0952	0.00	.02	95.2	62-119	L197776-01	WG200964
Chlorodibromomethane	mg/kg	0.0977	0.00	.02	97.7	64-111	L197776-01	WG200964
Chloroethane	mg/kg	0.0992	0.00	.02	99.2	45-145	L197776-01	WG200964
Chloroform	mg/kg	0.106	0.00	.02	106.	50-122	L197776-01	WG200964
Chloromethane	mg/kg	0.0949	0.00	.02	94.9	56-138	L197776-01	WG200964
cis-1,2-Dichloroethene	mg/kg	0.105	0.00	.02	105.	63-114	L197776-01	WG200964
cis-1,3-Dichloropropene	mg/kg	0.0825	0.00	.02	82.5	63-118	L197776-01	WG200964
Di-isopropyl ether	mg/kg	0.0958	0.00	.02	95.8	62-119	L197776-01	WG200964
Dibromomethane	mg/kg	0.101	0.00	.02	101.	66-123	L197776-01	WG200964
Dichlorodifluoromethane	mg/kg	0.0843	0.00	.02	84.3	34-129	L197776-01	WG200964
Ethylbenzene	mg/kg	0.0943	0.00	.02	94.3	64-113	L197776-01	WG200964
Hexachlorobutadiene	mg/kg	0.0590	0.00	.02	59.0	34-89	L197776-01	WG200964
Isopropylbenzene	mg/kg	0.0977	0.00	.02	97.7	54-134	L197776-01	WG200964
Methyl tert-butyl ether	mg/kg	0.0959	0.00	.02	95.9	58-126	L197776-01	WG200964
Methylene Chloride	mg/kg	0.0952	0.00	.02	95.2	46-126	L197776-01	WG200964
n-Butylbenzene	mg/kg	0.0642	0.00	.02	64.2	44-97	L197776-01	WG200964
n-Propylbenzene	mg/kg	0.0835	0.00	.02	83.5	59-108	L197776-01	WG200964
Naphthalene	mg/kg	0.0706	0.00	.02	70.6	54-139	L197776-01	WG200964
p-Isopropyltoluene	mg/kg	0.0804	0.00	.02	80.4	54-108	L197776-01	WG200964
sec-Butylbenzene	mg/kg	0.0886	0.00	.02	88.6	60-107	L197776-01	WG200964
Styrene	mg/kg	0.0933	0.00	.02	93.3	59-115	L197776-01	WG200964
tert-Butylbenzene	mg/kg	0.0965	0.00	.02	96.5	63-115	L197776-01	WG200964
Tetrachloroethene	mg/kg	0.0854	0.00	.02	85.4	54-116	L197776-01	WG200964
Toluene	mg/kg	0.0919	0.00	.02	91.9	59-116	L197776-01	WG200964
trans-1,2-Dichloroethene	mg/kg	0.107	0.00	.02	107.	66-119	L197776-01	WG200964
trans-1,3-Dichloropropene	mg/kg	0.0655	0.00	.02	65.5	49-103	L197776-01	WG200964
Trichloroethene	mg/kg	0.0948	0.00	.02	94.8	62-112	L197776-01	WG200964
Trichlorofluoromethane	mg/kg	0.0903	0.00	.02	90.3	52-107	L197776-01	WG200964
Vinyl chloride	mg/kg	0.0863	0.00	.02	86.3	40-143	L197776-01	WG200964
Xylenes, Total	mg/kg	0.275	0.00	.06	91.8	65-113	L197776-01	WG200964
TPH (GC/FID) Low Fraction	mg/kg	11.6	0.00	2.2	105.	70-130	L198140-04	WG201206

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
TPH (GC/FID) High Fraction	ppm	58.8	49.7	16.9	20	98.0	L197960-01	WG200833
1,1,1,2-Tetrachloroethane	mg/l	0.0193	0.0193	0.0006	11	96.4	L198041-07	WG200963
1,1,1-Trichloroethane	mg/l	0.0168	0.0162	3.32	14	83.8	L198041-07	WG200963
1,1,2,2-Tetrachloroethane	mg/l	0.0177	0.0189	6.34	11	88.6	L198041-07	WG200963
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0172	0.0160	7.29	17	86.0	L198041-07	WG200963
1,1,2-Trichloroethane	mg/l	0.0169	0.0173	2.51	22	84.5	L198041-07	WG200963
1,1-Dichloroethane	mg/l	0.0164	0.0156	5.05	15	82.2	L198041-07	WG200963
1,1-Dichloroethene	mg/l	0.0177	0.0171	3.53	17	88.4	L198041-07	WG200963
1,1-Dichloropropene	mg/l	0.0155	0.0150	3.25	14	77.3	L198041-07	WG200963
1,2,3-Trichlorobenzene	mg/l	0.0168	0.0171	1.98	18	83.9	L198041-07	WG200963
1,2,3-Trichloropropane	mg/l	0.0177	0.0181	2.30	12	88.6	L198041-07	WG200963
1,2,3-Trimethylbenzene	mg/l	0.0147	0.0152	3.78	12	73.3	L198041-07	WG200963
1,2,4-Trichlorobenzene	mg/l	0.0166	0.0164	1.08	17	82.8	L198041-07	WG200963
1,2,4-Trimethylbenzene	mg/l	0.0172	0.0173	0.856	17	85.9	L198041-07	WG200963
1,2-Dibromo-3-Chloropropane	mg/l	0.0158	0.0161	1.67	16	79.2	L198041-07	WG200963
1,2-Dibromoethane	mg/l	0.0180	0.0181	0.725	16	89.9	L198041-07	WG200963
1,2-Dichlorobenzene	mg/l	0.0163	0.0167	2.51	14	81.7	L198041-07	WG200963
1,2-Dichloroethane	mg/l	0.0159	0.0158	0.801	13	79.5	L198041-07	WG200963
1,2-Dichloropropane	mg/l	0.0155	0.0171	9.79	16	77.5	L198041-07	WG200963
1,3,5-Trimethylbenzene	mg/l	0.0171	0.0170	0.849	13	85.7	L198041-07	WG200963
1,3-Dichlorobenzene	mg/l	0.0176	0.0182	3.41	14	87.9	L198041-07	WG200963
1,3-Dichloropropane	mg/l	0.0183	0.0188	2.93	11	91.3	L198041-07	WG200963

ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,4-Dichlorobenzene	mg/l	0.0174	0.0173	0.933	12	87.2	L198041-07	WG200963

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
2,2-Dichloropropane	mg/l	0.0160	0.0158	1.23	16	80.2	L198041-07	WG200963
2-Butanone (MEK)	mg/l	0.0733	0.0703	4.15	23	72.2	L198041-07	WG200963
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	0.00	29	0.00	L198041-07	WG200963
2-Chlorotoluene	mg/l	0.0174	0.0181	4.14	13	86.8	L198041-07	WG200963
4-Chlorotoluene	mg/l	0.0171	0.0172	0.707	15	85.3	L198041-07	WG200963
4-Methyl-2-pentanone (MIBK)	mg/l	0.0718	0.0793	9.99	17	71.8	L198041-07	WG200963
Acetone	mg/l	0.0741	0.0686	7.58	19	74.1	L198041-07	WG200963
Acrolein	mg/l	1.47	1.37	6.87	12	147.	L198041-07	WG200963
Acrylonitrile	mg/l	0.0744	0.0702	5.77	17	74.4	L198041-07	WG200963
Benzene	mg/l	0.0158	0.0154	2.20	14	79.0	L198041-07	WG200963
Bromobenzene	mg/l	0.0202	0.0205	1.55	13	101.	L198041-07	WG200963
Bromodichloromethane	mg/l	0.0142	0.0165	14.4	12	71.2	L198041-07	WG200963
Bromoform	mg/l	0.0201	0.0198	1.52	14	101.	L198041-07	WG200963
Bromomethane	mg/l	0.0128	0.0107	18.3	34	64.1	L198041-07	WG200963
Carbon tetrachloride	mg/l	0.0173	0.0172	0.645	13	86.7	L198041-07	WG200963
Chlorobenzene	mg/l	0.0181	0.0186	2.65	13	90.5	L198041-07	WG200963
Chlorodibromomethane	mg/l	0.0190	0.0184	3.57	20	95.1	L198041-07	WG200963
Chloroethane	mg/l	0.0155	0.0156	0.625	17	77.7	L198041-07	WG200963
Chloroform	mg/l	0.0205	0.0198	3.54	13	84.6	L198041-07	WG200963
Chloromethane	mg/l	0.0130	0.0128	1.39	16	64.8	L198041-07	WG200963
cis-1,2-Dichloroethene	mg/l	0.0176	0.0175	0.598	16	87.8	L198041-07	WG200963
cis-1,3-Dichloropropene	mg/l	0.0145	0.0158	8.79	13	72.3	L198041-07	WG200963
Di-isopropyl ether	mg/l	0.0143	0.0136	5.12	15	71.7	L198041-07	WG200963
Dibromomethane	mg/l	0.0167	0.0177	5.59	12	83.6	L198041-07	WG200963
Dichlorodifluoromethane	mg/l	0.0120	0.0115	4.06	22	60.1	L198041-07	WG200963
Ethylbenzene	mg/l	0.0183	0.0177	3.37	14	91.3	L198041-07	WG200963
Hexachlorobutadiene	mg/l	0.0160	0.0155	3.71	15	80.2	L198041-07	WG200963
Isopropylbenzene	mg/l	0.0183	0.0186	1.57	15	91.5	L198041-07	WG200963
Methyl tert-butyl ether	mg/l	0.0156	0.0146	6.96	18	78.0	L198041-07	WG200963
Methylene Chloride	mg/l	0.0165	0.0161	2.42	16	82.5	L198041-07	WG200963
n-Butylbenzene	mg/l	0.0147	0.0153	4.17	14	73.4	L198041-07	WG200963
n-Propylbenzene	mg/l	0.0179	0.0178	0.0905	16	89.3	L198041-07	WG200963
Naphthalene	mg/l	0.0171	0.0169	1.61	26	85.6	L198041-07	WG200963
p-Isopropyltoluene	mg/l	0.0185	0.0188	1.83	17	92.3	L198041-07	WG200963
sec-Butylbenzene	mg/l	0.0189	0.0186	1.39	16	94.4	L198041-07	WG200963
Styrene	mg/l	0.0181	0.0175	3.29	11	90.6	L198041-07	WG200963
tert-Butylbenzene	mg/l	0.0187	0.0188	0.441	17	93.5	L198041-07	WG200963
Tetrachloroethene	mg/l	0.0195	0.0189	2.83	13	97.4	L198041-07	WG200963
Toluene	mg/l	0.0154	0.0169	9.38	14	76.9	L198041-07	WG200963
trans-1,2-Dichloroethene	mg/l	0.0165	0.0152	8.23	17	82.4	L198041-07	WG200963
trans-1,3-Dichloropropene	mg/l	0.0129	0.0148	13.4	15	64.7	L198041-07	WG200963
Trichloroethene	mg/l	0.0162	0.0178	9.62	14	80.8	L198041-07	WG200963
Trichlorofluoromethane	mg/l	0.0137	0.0130	5.04	18	68.6	L198041-07	WG200963
Vinyl chloride	mg/l	0.0127	0.0121	5.10	20	63.6	L198041-07	WG200963
Xylenes, Total	mg/l	0.0540	0.0534	1.17	13	90.1	L198041-07	WG200963
1,1,1,2-Tetrachloroethane	mg/kg	0.0940	0.0968	2.99	9	94.0	L197776-01	WG200964
1,1,1-Trichloroethane	mg/kg	0.0969	0.0971	0.265	16	96.9	L197776-01	WG200964
1,1,2,2-Tetrachloroethane	mg/kg	0.0955	0.102	6.23	12	95.5	L197776-01	WG200964
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0983	0.103	4.15	16	98.3	L197776-01	WG200964
1,1,2-Trichloroethane	mg/kg	0.0904	0.0993	9.38	10	90.4	L197776-01	WG200964
1,1-Dichloroethane	mg/kg	0.0983	0.0999	1.61	12	98.3	L197776-01	WG200964
1,1-Dichloroethene	mg/kg	0.106	0.111	5.32	15	106.	L197776-01	WG200964
1,1-Dichloropropene	mg/kg	0.0917	0.0965	5.15	15	91.7	L197776-01	WG200964
1,2,3-Trichlorobenzene	mg/kg	0.0592	0.0645	8.52	11	59.2	L197776-01	WG200964
1,2,3-Trichloropropane	mg/kg	0.0899	0.103	13.9	16	89.9	L197776-01	WG200964
1,2,4-Trichlorobenzene	mg/kg	0.0506	0.0562	10.4	16	50.6	L197776-01	WG200964
1,2,4-Trimethylbenzene	mg/kg	0.0765	0.0827	7.78	18	76.5	L197776-01	WG200964
1,2-Dibromo-3-Chloropropane	mg/kg	0.0781	0.0879	11.8	15	78.1	L197776-01	WG200964

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1,2-Dibromoethane	mg/kg	0.0939	0.0973	3.63	10	93.9	L197776-01	WG200964

		Matrix Spike Duplicate						
Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,2-Dichlorobenzene	mg/kg	0.0790	0.0837	5.72	12	79.0	L197776-01	WG200964
1,2-Dichloroethane	mg/kg	0.102	0.107	4.59	9	102.	L197776-01	WG200964
1,2-Dichloropropane	mg/kg	0.104	0.105	0.660	10	104.	L197776-01	WG200964
1,3,5-Trimethylbenzene	mg/kg	0.0797	0.0855	6.96	16	79.7	L197776-01	WG200964
1,3-Dichlorobenzene	mg/kg	0.0726	0.0792	8.70	12	72.6	L197776-01	WG200964
1,3-Dichloropropane	mg/kg	0.0955	0.101	5.33	8	95.5	L197776-01	WG200964
1,4-Dichlorobenzene	mg/kg	0.0696	0.0744	6.59	10	69.6	L197776-01	WG200964
2,2-Dichloropropane	mg/kg	0.0660	0.0657	0.336	14	66.0	L197776-01	WG200964
2-Butanone (MEK)	mg/kg	0.418	0.476	12.9	13	83.6	L197776-01	WG200964
2-Chloroethyl vinyl ether	mg/kg	0.293	0.317	7.82	43	58.7	L197776-01	WG200964
2-Chlorotoluene	mg/kg	0.0827	0.0900	8.42	9	82.7	L197776-01	WG200964
4-Chlorotoluene	mg/kg	0.0767	0.0832	8.16	10	76.7	L197776-01	WG200964
4-Methyl-2-pentanone (MIBK)	mg/kg	0.410	0.439	7.00	10	81.9	L197776-01	WG200964
Acetone	mg/kg	0.469	0.462	1.63	20	93.8	L197776-01	WG200964
Acrolein	mg/kg	4.11	7.58	59.3	13	82.3	L197776-01	WG200964
Acrylonitrile	mg/kg	0.361	0.481	28.5	8	72.2	L197776-01	WG200964
Benzene	mg/kg	0.0966	0.101	4.30	14	96.6	L197776-01	WG200964
Bromobenzene	mg/kg	0.0890	0.0940	5.51	9	89.0	L197776-01	WG200964
Bromodichloromethane	mg/kg	0.0938	0.0958	2.11	10	93.8	L197776-01	WG200964
Bromoform	mg/kg	0.0883	0.0900	1.96	12	88.3	L197776-01	WG200964
Bromomethane	mg/kg	0.0703	0.0731	3.93	12	70.3	L197776-01	WG200964
Carbon tetrachloride	mg/kg	0.0929	0.0917	1.30	14	92.9	L197776-01	WG200964
Chlorobenzene	mg/kg	0.0922	0.0952	3.14	9	92.2	L197776-01	WG200964
Chlorodibromomethane	mg/kg	0.0966	0.0977	1.06	15	96.6	L197776-01	WG200964
Chloroethane	mg/kg	0.0972	0.0992	1.99	23	97.2	L197776-01	WG200964
Chloroform	mg/kg	0.101	0.106	4.69	13	101.	L197776-01	WG200964
Chloromethane	mg/kg	0.0906	0.0949	4.63	12	90.6	L197776-01	WG200964
cis-1,2-Dichloroethene	mg/kg	0.101	0.105	3.79	13	101.	L197776-01	WG200964
cis-1,3-Dichloropropene	mg/kg	0.0783	0.0825	5.19	12	78.3	L197776-01	WG200964
Di-isopropyl ether	mg/kg	0.0915	0.0958	4.58	12	91.5	L197776-01	WG200964
Dibromomethane	mg/kg	0.0937	0.101	7.44	8	93.7	L197776-01	WG200964
Dichlorodifluoromethane	mg/kg	0.0791	0.0843	6.38	13	79.1	L197776-01	WG200964
Ethylbenzene	mg/kg	0.0901	0.0943	4.54	11	90.1	L197776-01	WG200964
Hexachlorobutadiene	mg/kg	0.0538	0.0590	9.16	16	53.8	L197776-01	WG200964
Isopropylbenzene	mg/kg	0.0920	0.0977	5.95	9	92.0	L197776-01	WG200964
Methyl tert-butyl ether	mg/kg	0.0848	0.0959	12.2	13	84.8	L197776-01	WG200964
Methylene Chloride	mg/kg	0.0927	0.0952	2.67	12	92.7	L197776-01	WG200964
n-Butylbenzene	mg/kg	0.0592	0.0642	8.07	16	59.2	L197776-01	WG200964
n-Propylbenzene	mg/kg	0.0785	0.0835	6.18	14	78.5	L197776-01	WG200964
Naphthalene	mg/kg	0.0649	0.0706	8.46	17	64.9	L197776-01	WG200964
p-Isopropyltoluene	mg/kg	0.0740	0.0804	8.37	23	74.0	L197776-01	WG200964
sec-Butylbenzene	mg/kg	0.0813	0.0886	8.60	12	81.3	L197776-01	WG200964
Styrene	mg/kg	0.0869	0.0933	7.11	10	86.9	L197776-01	WG200964
tert-Butylbenzene	mg/kg	0.0923	0.0965	4.45	11	92.3	L197776-01	WG200964
Tetrachloroethene	mg/kg	0.0815	0.0854	4.77	10	81.5	L197776-01	WG200964
Toluene	mg/kg	0.0878	0.0919	4.63	22	87.8	L197776-01	WG200964
trans-1,2-Dichloroethene	mg/kg	0.0905	0.107	16.9	15	90.5	L197776-01	WG200964
trans-1,3-Dichloropropene	mg/kg	0.0627	0.0655	4.45	11	62.7	L197776-01	WG200964
Trichloroethene	mg/kg	0.0906	0.0948	4.47	15	90.6	L197776-01	WG200964
Trichlorofluoromethane	mg/kg	0.0870	0.0903	3.64	16	87.0	L197776-01	WG200964
Vinyl chloride	mg/kg	0.0860	0.0863	0.392	20	86.0	L197776-01	WG200964
Xylenes, Total	mg/kg	0.259	0.275	6.30	16	86.2	L197776-01	WG200964
TPH (GC/FID) Low Fraction	mg/kg	9.04	11.6	24.4	30	82.2	L198140-04	WG201206

Batch number /Run number / Sample number cross reference

WG200963: R232321: L197961-02

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WG200964: R232415: L197961-01
WG200833: R232512: L197961-01
WG201206: R232611: L197961-01
WG201452: R232635: L197961-01

* denotes out of limit range result. See Attachment B of standard report for list of qualifiers.
* * Calculations are performed prior to rounding of reported values .

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Est. 1970

Withers & Ravenel Eng. & Surveying Inc.
Mr. Ty Colwell
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L197961

May 10, 2005

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

CHEMICAL & ENVIRONMENTAL TECHNOLOGY, INC.

ENVIRONMENTAL ANALYTICAL SERVICES

FINAL REPORT OF ANALYSES

WITHERS & RAVENEL ENV. ENG.
Attn: K.TY COLWELL
111 MACKENAN DRIVE
CARY, NC 27511

REPORT DATE: 05/27/05

SAMPLE NUMBER- 227542 SAMPLE ID- E-2-N-3 SAMPLE MATRIX- SO
DATE SAMPLED- 05/25/05 TIME SAMPLED- 1050
DATE RECEIVED- 05/25/05 SAMPLER- LAURA POWERS RECEIVED BY- ALT
TIME RECEIVED- 1120 DELIVERED BY- LAURA POWERS

Page 1 of 1 PROJECT NAME : STONE HEDGE

ANALYSIS	METHOD	PRELIMINARY RESULTS SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
PERCENT SOLIDS	2540G			05/25/05	CJY	92.0	NA	
OIL & GREASE-SOLID, FRACTIONED	9071/5520F	05/25/05	CJY	05/26/05	CJY			
TOTAL OIL AND GREASE	9071/5520F					77	mg/kg	54.3
ANIMAL OR VEGETABLE ORIGIN	9071/5520F					PENDING	mg/kg	54.3
MINERAL OR PETROLEUM ORIGIN	9071/5520F					PENDING	mg/kg	54.3

PQL = Practical Quantitation Limit
Results followed by the letter J are estimated concentrations.
All results for soil and sludge samples are reported on a dry weight basis as required by the NC DEM Laboratory Certification Section. Wet Weight Concentration = (dry weight conc.)(percent solids)/100.

NC DENR CERTIFICATIONS: DWQ - 96; PUBLIC WATER SUPPLY - 37724

LABORATORY DIRECTOR _____

Chemical & Environmental Technology, Inc.
102-A Woodwinds Industrial Ct. Cary, NC 27511
(919) 467-3090 FAX: (919) 467-3515

CHAIN OF CUSTODY

CLIENT NAME: Withers & Ravenel
ADDRESS: 111 Mackenan Dr.
Cary, NC 27511
ATTENTION: Ty Colwell
PHONE: 919-460-2800
FAX: 919-535-1545
PROJECT NO: 2050950
PROJECT NAME: Stone Hedge Carolinas
COLLECTED BY: (Signature) Laura Powers
PRINTED NAME: Laura Powers

Turnaround Time:
- ☐ Normal (2 weeks)
- ☐ Rush (1 week)*
- ☐ Rush (48 hours)*
- ☐ Rush (24 hours)*

BILL TO:
ADDRESS:
PURCHASE ORDER NO:

PRESERVED IN FIELD ☐
PRESERVED IN LAB ☐
RECEIVED ON ICE ☐

CET SAMPLE #	DATE	TIME	SAMPLE COM	SAMPLE TYPE GRAB	SAMPLE I.D.	SAMPLE MATRIX	# OF CONTAINERS	Tox 0-6	REMARKS	PRESERVATIVES NONE	ASCORBIC	NaS_2O_3	NaOH	H_2SO_4	HNO_3	HCl
	5/25	10:50		X	G-2-N-3	S	1	X		X						

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)
	5/25	11:20					

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME	ADDITIONAL INSTRUCTIONS:
				5/25/05	1120	2.0°C

*Rush work requires laboratory approval prior to sample submission. Additional charges may apply.

APPENDIX B

SOIL MANIFESTS

Phone # : 919-774-4517 Earthtec Environmental, Inc. Fax # : 919-774-6415
Post Office Box 130
Sanford, North Carolina 27331

NON-HAZARDOUS WASTE MANIFEST

Project Number:	Load Number:
Consultant:. A&D Environmental 2718 Uwharrie Rd Archdale, N.C.	Contact: Eric McManus Phone: 336-434-7750
Generator: Paul Murphy Jr. 1009 Smokewood Drive Apex NC	Contact: Paul Murphy Jr Phone:
Transporter: A&D Environmental 2718 Uwharrie Rd Archdale, NC	Contact: Eric McManus Phone: 336/434-7750
Destination: Earthtec Environmental, Inc. 3145 Rosser Road, BearCreek, NC 27207	Contact: Scott Keller Phone: 919-774-4517 or 919/770-4258
Waste Description: petroleum soil	Waste Origination:
Truck # : D-3	Gross Weight: 47,540
	Tare Weight: 22940
	Net Weight: 24,600

12.30 TON

GENERATOR'S CERTIFICATION: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE

Witness: Revael 5/19/05
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Richard Joyce 5-19-05
Driver's Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above) By: Earthtec Environmental, Inc.

Accepted By: Stephen Reader Date: 5-19-05

A+D

D-3

07:20 18FEB98 GROSS 47540 LB

Phone # : 919-774-4517 Earthtec Environmental, Inc. Fax # : 919-774-6241

Post Office Box 130

Sanford, North Carolina 27331

NON-HAZARDOUS WASTE MANIFEST

Project Number: ADOS 1333	Load Number: 1
Consultant: A&D Environmental 2718 Uwharrie Rd Archdale, N.C.	Contact: Eric McManus Phone: 336-434-7750
Generator: Forest Hill Development Watkins Rd. Morrisville N.C.	Contact: Ty Colwell Phone: 919-469-3340
Transporter: A&D Environmental 2718 Uwharrie Rd Archdale, NC	Contact: Eric McManus Phone: 336/434-7750
Destination: Earthtec Environmental, Inc. 3145 Rosser Road, Bear Creek, NC 27207	Contact: Scott Keller Phone: 919-774-4517 or 919/770-4258
Waste Description: Petroleum Contaminated soil	Waste Origination:
Truck # : 04	Gross Weight: 56,960 Tare Weight: 22,560 Net Weight: 34,400

GENERATOR'S CERTIFICATION: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Driver's Signature Date 5-26-05

Noted Discrepancies:

Inspected & Accepted (except as noted above) By: Earthtec Environmental, Inc.

Accepted By: Date: 5-26-05

ADOS1333 Morrisville

D4

04:35 25FEB98 GROSS 56960 LB

22560

34,400

(17.2 TONS)

APPENDIX C

MATERIALS MANIFEST

MATERIAL MANIFEST

A & D *Environmental and Industrial Services, Inc.*

EMERGENCY PHONE NO. (800) 434 - 7750

POST OFFICE BOX 484 HIGH POINT, NC 27261

TEL (336) 434-7750 FAX (336) 434-7752

Manifest Document No.

Page of

A & D Job No. AD051124

GENERATOR INFORMATION

Name: Withers & Ravenell

US EPA ID No.

Street Address

Mailing Address

Phone No. 919 469 3340

Contact

DESCRIPTION OF MATERIALS

	HM	USDOT Proper Shipping Name (Complete All Items for Hazardous Materials)	Hazard Class or Div.	UN / NA ID No.	Packing Group	Containers Qty.	Containers Type	Total Quantity	Unit Wt./ Vol.
a.		Non Regulated Solids NOS	N/A	N/A	N/A	3	DM	800	P
b.		Non Regulated Solids NOS	N/A	N/A	N/A	13	Buckets	280	P
c.		Non Regulated Solids NOS	N/A	N/A	N/A	4	Buckets	80	P

ADDITIONAL INFORMATION		ERG No.	A & D Profile Code	Facility Use
a.	[redacted] Used Oil / #2 Hydraulic Oil / #3 Empty waters			
b.	Latex paint Solids			
c.	Empty's			

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40 CFR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name | Signature | Mo. / Day / Yr. 5-6-05

TRANSPORTER INFORMATION

Transporter: A & D ENVIRONMENTAL AND INDUSTRIAL SERVICES

Address: 2718 UWHARRIE ROAD ARCHDALE, NC 27263

Transporter or EPA ID No. NCD986232221 | Unit No.

Phone (336) 434-7750

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Signature [signature] 5-6-05 Shipment Date

I hereby acknowledge that the above-described materials were received from the generator site and were transported to the facility listed below.

Signature [signature] 5-6-05 Delivery Date

FACILITY INFORMATION

Facility: A & D ENVIRONMENTAL AND INDUSTRIAL SERVICES

Address: 2718 UWHARRIE ROAD ARCHDALE, NC 27263

Facility or EPA ID No. NCD986232221

Phone (336) 434-7750

Contact ERIC McMANUS

I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.

Signature E. D. McManus 5-6-05 Receipt Date

Discrepancies / Routing Codes / Handling Methods

a.

b.

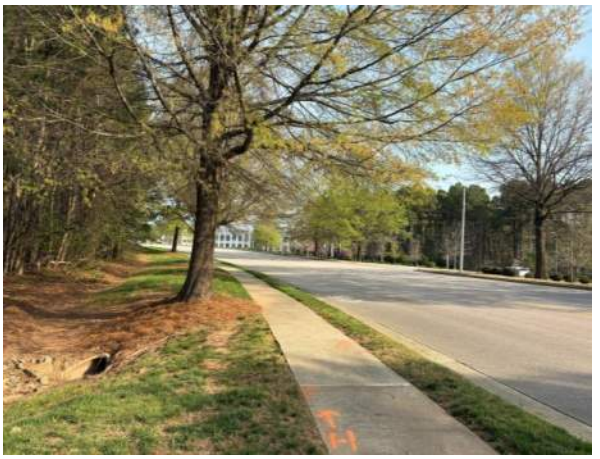
c.

ORIGINAL - Facility Retain COPY 2 - Return to Generator COPY 3 - Transporter Retain COPY 4 - Generator Retain

APPENDIX 10

Site Reconnaissance Photographs

Paramount Parkway Fire Station



Southeastern corner of the Subject Property facing north along Paramount Parkway and the property boundary.

Southeastern corner of the Subject Property facing east across Paramount Parkway.

Southeastern corner of the Subject Property facing south along Paramount Parkway.

Southeastern corner of the Subject Property facing west along the property boundary.

Southwestern corner of the Subject Property facing north along the property boundary.

Southwestern corner of the Subject Property facing east along the property boundary.

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Paramount Parkway Fire Station

Southwestern corner of the Subject Property facing south.

Southwestern corner of the Subject Property facing west.

Northern corner of the Subject Property facing northeast across Paramount Parkway.

Northern corner of the Subject Property facing southeast along Paramount Parkway and the property boundary.

Northern corner of the Subject Property facing southeast along the property boundary.

Northern corner of the Subject Property facing northwest along Paramount Parkway.

Paramount Parkway Fire Station

Representative photo of water infrastructure along Paramount Parkway.

Representative photo of the fiber optic cable along Paramount Parkway.

Representative photo of a culvert on the Subject Property.

Representative photo of an adjacent office building and parking lot.

Representative photo of the forested area within the Subject Property.

Representative photo of a storm drain located along Paramount Parkway adjacent to the Subject Property.

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APPENDIX 11

Environmental Professional Qualifications

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

5410 Trinity Road
Suite 102
Raleigh, NC 27607

P 919.866.4951
F 919.859.5663
www.timmons.com

STATEMENT OF QUALIFICATIONS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed "all appropriate inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

- **Lauren Norris-Heflin, PWS – Environmental Project Manager**
  B.S. Natural Resources – Ecosystem Assessment, 2013, North Carolina State University
  Years of Experience: 12

- **Tallis Donnelly – Environmental Scientist I**
  M.S. Plant Biology, 2022, North Carolina State University
  B.S. Ecology and Evolutionary Biology, 2017, University of North Carolina, Asheville
  Years of Experience: 2

- **Alyssa Grecky – Environmental Scientist I**
  B.S. Natural Resources, Ecosystem Assessment, 2022, North Carolina State University
  Years of Experience: 2