

Emails with Attachments #12 - #17

Email #12 with Attachment(s)

From: [rollovernclover](#)
To: [Public Comment](#)
Subject: RE: ZA-20-20 EPA UST end of year 9/2020
Date: Wednesday, January 6, 2021 12:44:57 PM

Thank you Ms Vierling.
Please let me know if these are better.
I wanted to maintain the USGS heading.

Sent from my Galaxy

----- Original message -----

From: Public Comment <publiccomment@highpointnc.gov>
Date: 1/6/21 12:04 PM (GMT-05:00)
To: rollovernclover <rollovernclover@aol.com>, Public Comment <publiccomment@highpointnc.gov>
Cc: Lisa Vierling <lisa.vierling@highpointnc.gov>, Mary Brooks <mary.brooks@highpointnc.gov>
Subject: RE: ZA-20-20 EPA UST end of year 9/2020

Good morning, Ms. Kennedy.

All the information that you sent via e-mail with attachments have been forwarded to the Mayor and City Council.

We were able to open all the attachments; however, there were a couple that looked like screenshots regarding rain fall and snow fall that did not print clearly. I have attached it to this email so you can see. As you can see, we tried printing it in landscape orientation as well as portrait orientation, but neither captured the entire text.

Please feel free to re-send and we will replace them.

If we can be of any further assistance, please let us know.

Thank you.

Lisa B. Vierling,
MMC



CITY OF HIGH POINT
City Clerk

211 S Hamilton, Room 320| High Point, NC 27260
336.883.3536 | fax: 336.822.7067
lisa.vierling@highpointnc.gov | www.highpointnc.gov

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Please be aware that e-mail and attachments sent to and from this address are subject to the North Carolina Public Records Law and may be disclosed to third parties.

From: rollovernclover <rollovernclover@aol.com>
Sent: Tuesday, January 5, 2021 4:09 PM
To: Public Comment <publiccomment@highpointnc.gov>
Subject: ZA-20-20 EPA UST end of year 9/2020

Dear Town Council, Mayor, and City Manager,

Attached please find the EPA's end of fiscal year report of North Carolina's USTs.

Please note that of the 27,039 confirmed releases, only 24, 726 clean ups have been initiated, leaving a backlog of 2,784.

Please note that 68 % of UST facilities were in Release Detection compliance, but only 50% of facilities were in Technical Compliance overall.

These facts being stated, I want to say the people that work for NCDepartment of Environmental Quality day in and day out, are hardworking and dedicated. This department seems to be grossly underfunded and understaffed.

Given the EPA's 2016 study of emerging fuels and the damage they are causing to USTs, I foresee this issue getting worse, not better.

Thank you for giving continued consideration to this extremely important public safety issue. I encourage each of you to use the NCDEQ tool forwarded to you to look at UST, AST, and Notices of Residual Petroleum (permanent soil and groundwater contamination) in each of your wards, as well as overall for the city. It is quite dismaying.

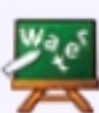
Thank you,

Vesta Kennedy

Sent from my Galaxy

Attachments to Email #12

Learn More



Water Science Activity Center

Opinion Surveys:

- ◆ Biggest water problem in the future?
- ◆ Vote for your favorite water body!
- ◆ How serious are these environmental problems?
- ◆ Water Shortage! How would you fix it?
- ◆ Where does the water cycle begin?

Challenge Questions:

- ◆ How much water falls during a storm?
- ◆ How much water does a dripping faucet waste?
- ◆ How much water does it take to grow a hamburger?

True/False Quizzes:

- ◆ Water properties
- ◆ Groundwater

Questionnaires:

- ◆ How does your home drinking water taste?
- ◆ What is your daily home water use?

Rainfall calculator (English)

How much water falls during a storm?



Use our [metric-system version](#)



It is the middle of July in California. You are sitting in your yard, both you and your tomato plants wilting in your yard, both looking up at the sky and hoping for rain. Or, maybe the high pressure cell has been napping over your head and your arm is hurting from holding an umbrella while you watch your bathtub fill up with water.

Either way, you would like to know how much rain has fallen—how many inches have come down from the skies onto your roof, yard, block, or town. You may want to know how many baths you can fill from your rainstorm?

The amount of rain that fell during your rainstorm is displayed below.

Area	Rainfall (inches)	Total gallons (US)	Cubic feet	40-gallon baths
0 by 0 feet	1.5	0	0	0
4 acres	1.5	162,924	21,781	4,073
1 square miles	1.5	0	0	0

Precipitation

High Point USA averages 42.3 inches of precipitation annually; July thunderstorms account for much of this precipitation. Most of the big snows that impact areas east of the mountains come from extratropical cyclones which approach from the south across Georgia and South Carolina before moving offshore. Average annual snowfall for High Point is 8.6 inches.

Average Temperatures & Rainfall

- Source: WGHP-TV, Fox 8 High Point

End of Email #12 with Attachment(s)

Email #13 with Attachment(s)

From: [rollovernclover](#)
To: [Public Comment](#)
Subject: Rainfall calculator (English units)
How much water falls during a storm? USGS Water Science School
Date: Wednesday, January 6, 2021 12:57:21 PM

<https://water.usgs.gov/edu/activity-howmuchrain.html>

Ms Vierling

Here is the link to USGS tool, as well as a new screenshot from USGS. Please attach to the impervious surface email.

Thank you so much!

Vesta Kennedy

Sent from my Galaxy

- **Amount of urbanization:** As a city is being built, a lot of money and **construction goes into moving water out of built-up areas**. Roads, pavement, and parking lots create **impervious areas** where water can no longer seep into the ground. Rather, water is funneled into creeks and streams that were never meant by nature to handle so much runoff. This can cause problems in urban areas.

End of Email #13 with Attachment(s)

Email #14 with Attachment(s)

From: [rollovernclover](#)
To: [Public Comment](#)
Subject: ZA-20-20 larger pic of USGS rainfall calculator
Date: Thursday, January 7, 2021 10:51:43 AM

Sent from my Galaxy

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Email #15 with Attachment(s)

From: [Vesta Kennedy](#)
To: [Public Comment](#)
Subject: ZA-20-20 groundwater, water table, size of USTs
Date: Sunday, January 10, 2021 2:58:12 PM

Dear Mayor and Town Council,

Please find an image from USGS regarding water table/ groundwater information, images screenshot from The Point development tool from build@highpointnc.gov , and screenshot from Southern Sales, an UST supplier. I included link to Southern's website if image needs to be verified.

Please note that the elevation of proposed rezoning site is 832 feet and the elevation of Oak Hollow Lake is 811 feet. This means the water table begins 21 feet below the earth's surface.

The dimensions of an 8,000 gallon UST are 8 foot by 21 foot,4 inches, which is typically the smallest commercial size tank. Typical commercial size tanks increase to 15,000 gl or 20,000 gl in size, with the latter's dimensions being 10 foot,6 inches by 31 foot!!!!!!!!!!!!. These dimensions do not include the required riser piping upon the installation of tanks. Most gas stations will have at least 3 USTs on site of various sizes, ranging from 8,000 gl to 20,000 gl.

This being said, it appears that the Underground Storage Tanks for this particular usage of 1809 and 1801 Eastchester Dr will be SITTING...SUBMERGED...IN the water table of Oak Hollow Lake, even if the typically smallest (8,000 gl) commercial size tank is used for all types of gasoline being sold.

PLEASE do not allow this travesty of public safety to happen in our watershed. PLEASE do not allow the rezoning of 1809 and 1801 of Eastchester Drive to happen. If they are rezoned, it would set the most dangerous kind of precedent; one that effects the public safety of 108,000 and counting.

Thank you,
Vesta Kennedy

<https://www.southerntank.net/horizontal-tank-sizes/>

Sent from my Galaxy

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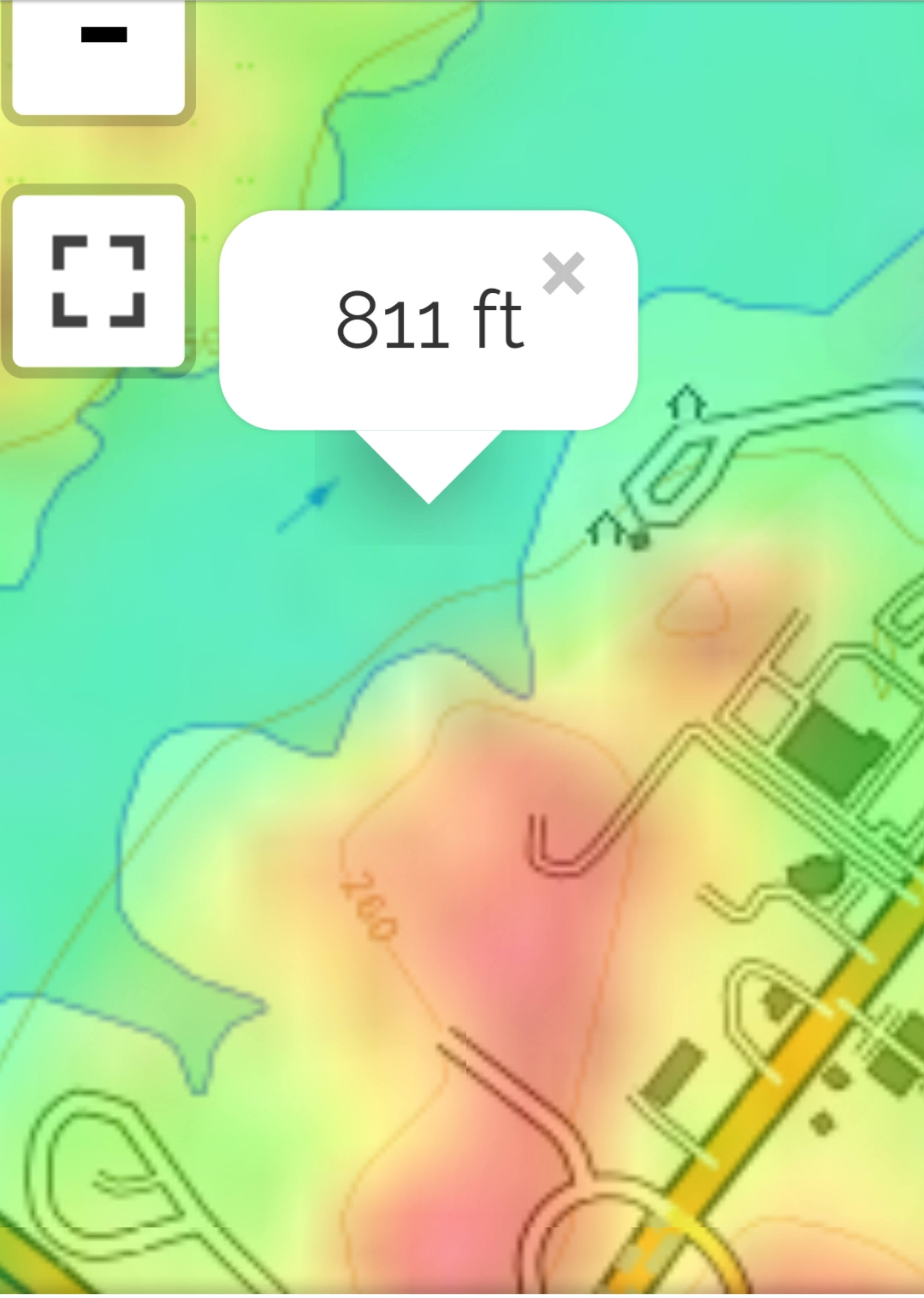
Thank you,

Vesta Kennedy

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Attachments to Email #15

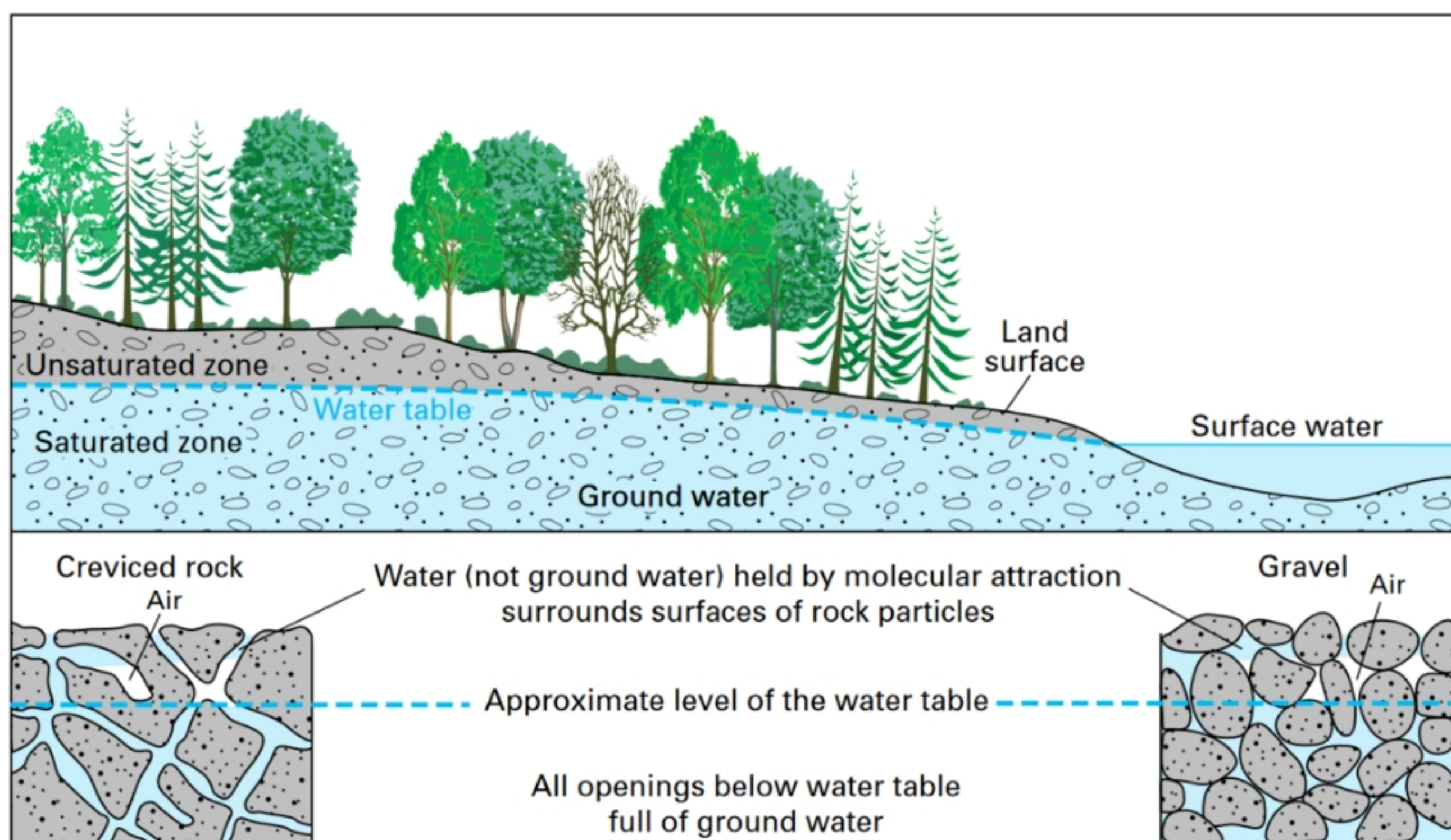




832 ft^x



Groundwater is the saturated zone of soil/rock below the land surface



How ground water occurs in rocks.
(Public domain.)

Thumbnail

Medium

Original

8,000	96" x 21'-4"	1/4" shell and heads	668'
10,000	96" x 27'-0"	1/4" shell and heads	836'
12,000	96" x 32'-0"	1/4" shell and heads	983'
15,000	126" x 23'-2"	1/4" shell and heads	1025'
20,000	126" x 31'-0"	1/4" shell and heads	1235'

Email #16 with Attachment(s)

From: [Vesta Kennedy](#)
To: [Public Comment](#)
Subject: ZA-20-20 Report for PopShoppe Incident#45311 and NRP for Oak Hollow Tire
Date: Tuesday, January 12, 2021 11:45:49 AM
Attachments: [WS-27764_47075_C_NFA_20200702_NFAII.pdf](#)
[WS-10178_45311_CA_LSA_20200205.pdf](#)

Dear Lisa Vierling,

Please find the 2 attachments for email sent January 4, 2:42am timestamp.

Thanks so much!
Vesta Kennedy

Attachment to Email #16



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

MICHAEL SCOTT
Director

July 1, 2020

Attn: Ronald E. Bridges
Oak Hollow Tire
2410 Eastchester Drive
High Point, NC 27265

Re: Notice of No Further Action 15A NCAC 2L
.0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Oak Hollow Tire
2410 Eastchester Drive
High Point, Guilford County
Incident Number: pending
Risk Classification: Low
Ranking: 94D

Dear Mr. Bridges:

The Limited Site Assessment / Site Closure Request received by the UST Section, Division of Waste Management, Winston-Salem Regional Office on June 11, 2020 and the Notice of Residual Petroleum received on June 29, 2020 have been reviewed. The review indicates that soil contamination exceeds the soil-to-groundwater but below residential maximum soil contaminant concentrations (MSCCs) established in Title 15A NCAC 2L .0411 and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202.

The UST Section determines that no further action is warranted for this incident. All required actions have been completed. On June 29, 2020, the UST Section received a certified copy of the Notice of Residual Petroleum which is filed with the Register of Deeds. On June 29, 2020, the UST Section was provided with proof of receipt of the conditional Notice of No Further Action letter or of refusal by the addressee to accept delivery of the letter or with a description of the manner in which the letter was posted.

This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of Environmental Quality of any changes that might affect the risk or land use classifications that have been assigned.

Be advised that as groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where groundwater contamination is expected to migrate is not suitable for use as a water supply.

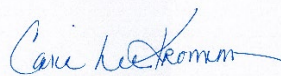


Interested parties may examine the Soil Cleanup Report/ Site Closure Request by contacting this regional office and may submit comments on the site to the regional office at the address or telephone number listed below.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact **Gene Mao** at the Guilford County Department of Health and Human Services, 400 W. Market Street, Suite 300, North Carolina 27401 and/or **(336) 641-3589**.

Sincerely,



Carin Lee Kromm, L.G.
Regional Supervisor
Winston-Salem Regional Office
UST Section, Division of Waste Management, NCDEQ

cc: Guilford County Department Health and Human Services
Brett Higgins via email brett@pyramidenvironmental.com
Matt Scheidt via email mscheidt@northwestgeoscience.com



Attachment to Email #16

LIMITED SITE ASSESSMENT

**THE POP SHOPPE – HICKSWOOD RD
2400 EASTCHESTER DRIVE
HIGH POINT, GUILFORD COUNTY, NC
GROUNDWATER INCIDENT: 45311
FACILITY ID: 00-0-0000035614**

FEBRUARY 5, 2020

UST OWNER/OPERATOR:

Mid-State Petroleum Leasing, Inc.
P.O. Box 1618
Jamestown, NC 27282
Phone Number: (336) 841-3000

PROPERTY OWNER:

Triad Holding Company, LLC
7622 Bentley Road
Greensboro, NC 27409
Phone Number: (336) 299-4500

CONSULTANT:

Paragon Environmental Consultants, Inc.
P. O. Box 157
Thomasville, NC 27361-0157
Phone Number: (336) 669-6037

RELEASE INFORMATION:

Date Discovered: October 9, 2019
Estimated Quantity of Release: Unknown Cause of Release: Spill Bucket Failure
Source of Release: Regular-Grade Gasoline UST Spill Bucket
Size and Contents: One (1) 12,000 Gallon Regular-Grade Compartment Gasoline UST
Latitude: N 36.02531424° Longitude: W 79.97185323°

The Limited Site Assessment for this site has been prepared by Paragon Environmental Consultants, Inc. under the direct supervision of a licensed geologist. All activities performed on this project were conducted under my direct supervision:



Benjamin W. Robinson, L.G.
North Carolina License #2466



February 5, 2020

Tony Perez
Mid-State Petroleum Leasing, Inc.
P.O. Box 1618
Jamestown, NC 27282

Reference: Limited Site Assessment
The Pop Shoppe – Hickwood Rd
2400 Eastchester Drive
High Point, Guilford County, NC
Groundwater Incident # 45311
Facility ID # 00-0-0000035614

Dear Mr. Perez:

In accordance with the requirements of a correspondence dated December 9, 2019 from the North Carolina Department of Environmental Quality (NCDEQ), contained herein is a Limited Site Assessment for the release which occurred at the above referenced facility. These activities have been conducted following the discovery of petroleum above the action limits beneath the spill bucket on the regular-grade gasoline underground storage tank (UST) at 2400 Eastchester Drive. All activities were conducted in accordance with NCDEQ guidelines and the requirements of 15A NCAC 2L .0115.

Mr. Perez, if you have questions regarding this report, please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Benjamin W. Robinson', written over a horizontal line.

Benjamin W. Robinson, L.G.
Paragon Environmental Consultants, Inc.

R20-1530A

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Appendix B:	Soil Analytical Results
Appendix C:	Well Construction Record
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LIMITED SITE ASSESSMENT

**The Pop Shoppe – Hickswood Rd
2400 Eastchester Drive
High Point, NC**

1.0. - SITE HISTORY AND SOURCE CHARACTERIZATION

Mid-State Petroleum Leasing, Inc. owns and operates a UST system at 2400 Eastchester Drive in High Point, NC which is referred to as The Pop Shoppe – Hickswood Rd. This property contains one permanent structure which is utilized as a convenience store. Figure 1 illustrates the location of this facility on the Guilford Quadrangle U.S.G.S. Topographic Map. This facility contains one (1) two-compartment 20,000 gallon gasoline UST with one (1) 12,000 gallon regular-grade gasoline compartment and one (1) 8,000 gallon premium-grade gasoline compartment, as well as one (1) 6,000 gallon non-ethanol gasoline UST which are used for the retail sale of petroleum. Information regarding the ownership of the regulated USTs which are located at this facility is contained in Table 1. A compliance inspection noted damage to the spill buckets on the regular-grade and premium-grade gasoline USTs and directed site check soil sampling. Figure 2 illustrates the site layout and the existing UST locations. Soil samples were collected by Paragon Environmental Consultants, Inc. on October 2, 2019 beneath the spill buckets on the regular-grade and premium-grade gasoline tanks. One of the regular-grade gasoline UST spill bucket samples showed contamination by EPA Method 5030 at a level of 86.9 milligrams per kilogram (mg/kg).

2.0 - RISK CHARACTERIZATION AND LAND USE FORM

Part I Groundwater/Surface water/Vapor impact High Risk

1. Has discharge or release contaminated any water supply wells including any used for non-drinking purposes?

NO
2. Is a water supply well used for drinking water located within 1,000 feet of the source area of the discharge or release?

YES
3. Is a water supply well used for any purpose (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the discharge or release?

NO

4. Does groundwater within 500 feet of the source area of the discharge or release have the potential for future use in that there is no other source of water supply other than the groundwater?

NO

5. Do vapors from the discharge or release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment?

NO

6. Are there any factors that would cause the discharge or release to pose an imminent danger to public health, public safety or the environment?

NONE KNOWN

Intermediate Risk

7. Is a surface body located within 500 feet of the source area of the discharge or release?

NO

If yes, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10?

N/A

8. Is the source area of the discharge or release located within a designated wellhead protection area as defined in 42 USC 300h-7(e)?

NO

9. Is the discharge or release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?

NO

If yes, is the source area of the discharge or release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water?

N/A

10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels established (see Table 7 in guidelines) by the department?

NO

Part II-Land Use

Property containing Source Area of Discharge or Release

The questions below pertain to the property containing the source area of the release.

1. Does the property contain one or more primary or secondary residences (permanent or temporary)?

NO

2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?

NO

3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?

YES, THE PROPERTY IS OPERATED AS A CONVENIENCE STORE

4. Do children visit the property?

YES

Explain.

CHILDREN MAY VISIT THE STORE FOR LIMITED PERIODS OF TIME

5. Is access to the property reliably restricted consistent with its use?

YES

6. Do pavement, buildings, or other structures cap the contaminated soil?

YES

If yes, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?

THE UST SYSTEM AS WELL AS THE ASPHALT AND CONCRETE PAVING WILL REMAIN IN PLACE

7. What is the zoning status of the property?

COMMERCIAL

8. Is the use of the property likely to change in the next 20 years?

NO

Property Surrounding Source Area of Discharge or Release.

9. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)

APPROXIMATELY 430 FEET TO THE WEST

10. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?

APPLEVILLE ACADEMY IS LOCATED APPROXIMATELY 1,100 FEET TO THE SOUTH

11. What is the zoning status of properties in the surrounding areas?

COMMERCIAL / RESIDENTIAL

12. Briefly characterize the use and activities of the land in the surrounding area.

COMMERCIAL / RESIDENTIAL

3.0 - RECEPTOR INFORMATION

3.1 Water Supply Wells

A supply well survey has been conducted within a radius of 1,000 feet from the release area. During this reconnaissance, five (5) water supply wells were found to be located within this radius and three (3) of these are in use for consumption. Figure 3 illustrates the locations of the supply wells, and Table 2 lists the owners and addresses for the wells within 1,000 feet of the release source.

3.2 Public Water Supplies

Public water supplies are available to all of the surrounding properties within a radius of 1,000 feet from 2400 Eastchester Drive, with the exception of the residences on Gardenia Court to the south of the project site.

3.3 Surface Water

The partial U.S.G.S. map included as Figure 1 indicates that surface waters in the vicinity of the release area generally drain towards the Oak Hollow Reservoir located approximately 1,900 feet to the west. Oak Hollow Reservoir drains into the West Fork Deep River approximately 6,450 feet to the southwest. The West Fork Deep River is situated within the Cape Fear River Drainage Basin.

3.4 Wellhead Protection Areas

No wellhead protection areas are known to exist within the area of this release.

3.5 Deep Aquifers in the Coastal Plain Physiographic Region

This release is not located in the coastal plain.

3.6 Subsurface Structures

Subsurface utilities in the form of the USTs, product lines, and electrical conduits are located above the petroleum affected area at this facility. The building located on the impacted property does not have a basement; however, other subsurface utilities are present in the form of water lines, sewer lines, and electrical conduits. Figure 4 illustrates the locations of all known subsurface utilities.

3.7 Land Use

The possibility of human exposure to soil contamination at The Pop Shoppe – Hickswood Rd is minimal. The marginally impacted soils beneath the spill bucket are capped by concrete and will not allow exposure to persons at the store property. The facility lies within a primarily commercial area, with residential areas to the west and south.

3.8 Property Owners and Occupants

Figure 5 illustrates the surrounding properties, and Table 3 contains information regarding the adjacent property owners. This information was obtained from the Guilford County Tax Department's records.

4.0 - SITE GEOLOGY AND HYDROGEOLOGY

4.1 Site Geology

The site is situated in the Piedmont Region of the North Carolina Slate Belt. According to the *Geological Map of North Carolina* local bedrock geology of the region consists of Late Proterozoic to Cambrian aged metamorphosed granitic bedrock. Competent bedrock was not encountered to a depth of 23 feet below land surface which was the maximum depth explored during the subsurface investigation.

4.2 Soils Investigation

The soils at the project site consist of clay with varying amounts of silt. Two soil samples were obtained immediately adjacent to the spill bucket on the premium-grade compartment, and two soil samples were collected directly beside the regular-grade compartment spill bucket. The samples were obtained by coring holes through the concrete which surrounded the suspect spill buckets and then using a probe sampling tool to complete the site check sample collection. Paragon obtained the samples from in-situ material at a depth of approximately 2½ feet below the surface grade. The samples were labeled as spill bucket #1 (SB-1A and SB-1B) to represent the premium-grade gasoline compartment and spill bucket #2 (SB-2A and SB-2B) to represent the regular-grade gasoline compartment.

All four of the soil samples obtained at the subject site were submitted to Meritech, Inc. for laboratory analysis according to EPA Method 5030. Method 5030 tests for total petroleum hydrocarbons (TPH) from low boiling-point fuels such as gasoline, aviation fuel, and gasohol. The current action level for Method 5030 constituents is 50 mg/kg. The sample labeled as SB-2A was reported at a level of 86.9 mg/kg which is above the action limit. Sample SB-2A was also analyzed for BTEX by VPH methods as required by the current UST Section guidelines if a concentration of TPH exceeding 50 mg/kg is noted by the TPH analysis. The other three soil samples were below the action limit according to EPA Method 5030. Since sample SB-2A indicated the only TPH level in excess of 50 mg/kg, it was then analyzed for BTEX by VPH methods. Xylenes were indicated at a concentration of 6.3 mg/kg which exceeds the lowest Maximum Soil Contaminant Concentration (MSCC) of 4.6 mg/kg. Toluene was below its lowest MSCC, and Benzene and Ethylbenzene were both below the laboratory detection limit for sample SB-2A.

A soil boring log for the boring advanced for monitor well installation at the site is contained as Appendix A. One “Risk-Based” sample was collected for laboratory analyses from the monitor well boring at a depth of 10 feet below land surface. This sample, labeled as MW1-10, was analyzed by EPA Method 8260 and for Volatile Petroleum Hydrocarbons (VPH) by MADEP methods. All compounds according to EPA Method 8260 and all carbon fraction classes by VPH were below the laboratory detection limits. Figure 6 illustrates the location of the soil sample collected at 2400 Eastchester Drive, and Table 4 summarizes the analytical results for the “Risk-Based” soil sample obtained at The Pop Shoppe – Hickwood Rd. Appendix B contains a copy of the laboratory analytical report and the chain-of-custody record for the soil sample collected by Paragon at this subject site.

5.0 - SAMPLING RESULTS

5.1 Monitor Well Installation

One North Carolina Type II groundwater monitoring well has been installed at the site. Figure 7 illustrates the site layout and the location of the monitor well which was labeled as MW-1A. The monitoring well was constructed of 2-inch Schedule 40 PVC pipe with 15 feet of 0.010 inch slotted screen. Based on the assumption that the contaminants being addressed were primarily hydrocarbon constituents with specific gravities of less than 1.0, the groundwater monitoring well was installed so that the screened interval intersected the shallow groundwater table at the time of installation. Table 5 summarizes the monitoring well information and groundwater elevation as measured on January 5, 2020, and Appendix C contains a copy of the well construction record for this monitor well.

5.2 Groundwater Analyses

Following installation, the monitoring well was developed and sampled in accordance with Paragon's Standard Operating Procedures which are contained as Appendix D. The groundwater sample was submitted to Meritech, Inc. for laboratory analysis according to EPA Method 6200B plus MTBE and IPE. The groundwater sample was also analyzed for Lead and by MADEP methods for VPH.

According to the analytical results for monitor well MW-1A, Benzene was reported at a concentration of 1,760 micrograms per liter (ug/L), which exceeds the 2L Standard of 1 ug/L. Toluene, which has a 2L Standard of 600 ug/L, was detected at a level of 1,020 ug/L. Ethylbenzene was reported at a concentration of 1,220 ug/L, which is above the 2L Standard of 600 ug/L. Xylenes were listed at a level of 2,915 ug/L, which is in excess of the 2L Standard of 500 ug/L. Naphthalene, which has a 2L Standard of 6 ug/L, was reported at a concentration of 172 ug/L. n-Propylbenzene was detected at a level of 122 ug/L, which exceeds the 2L Standard of 70 ug/L. IPE was reported at a concentration of 91 ug/L, which is above the 2L Standard of 70 ug/L. Isopropylbenzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene were also detected at concentrations below their respective 2L Standards. All other 6200B compounds were below the laboratory detection limits. C5-C8 Volatile Aliphatics were listed at a level of 2,670 ug/L, in excess of the 2L Standard of 400 ug/L. C9-C18 Aliphatics were reported at a concentration of 9,190 ug/L, which is above the 2L Standard of 700 ug/L. C9-C22 Aromatics were detected at a concentration of 2,350 ug/L, which exceeds the 2L Standard of 200 ug/L. The sample collected from monitor well MW-1A was below the laboratory detection limits for Lead. All of the detected groundwater contaminant concentrations at 2400 Eastchester Drive are below the Gross Contaminant Levels (GCLs). Table 6 summarizes the groundwater analytical results, and Appendix E contains a copy of the laboratory analytical report and the chain-of-custody record for the groundwater sample.

6.0 - CONCLUSIONS AND RECOMMENDATIONS

6.1 General Summary

Limited Site Assessment activities at The Pop Shoppe – Hickwood Rd have been completed. From a review of all information gathered during this project, Paragon Environmental Consultants, Inc. makes the following conclusions:

- o A petroleum release of unknown quantity has occurred at this site. The spill bucket soil samples were below the Residential Standards according to the BTEX analysis conducted during the site check at 2400 Eastchester Drive.
- o One groundwater monitoring well was constructed at the site during this investigation. Free product was not observed in monitor well MW-1A.
- o The analytical results for the groundwater sample from MW-1A indicated seven EPA Method 6200B compounds and three carbon fraction classes at concentrations that are in excess of the 2L Standards.

6.2 Recommendations

Based upon a review of all information gathered during this project, Paragon makes the following recommendations:

- o Since soil concentrations are below the Residential Standards, but the petroleum contaminant levels in the groundwater are above the 2L Standards, NCDEQ should make a determination about additional assessment required at the subject site.
- o A copy of this report should be forwarded to the following address:

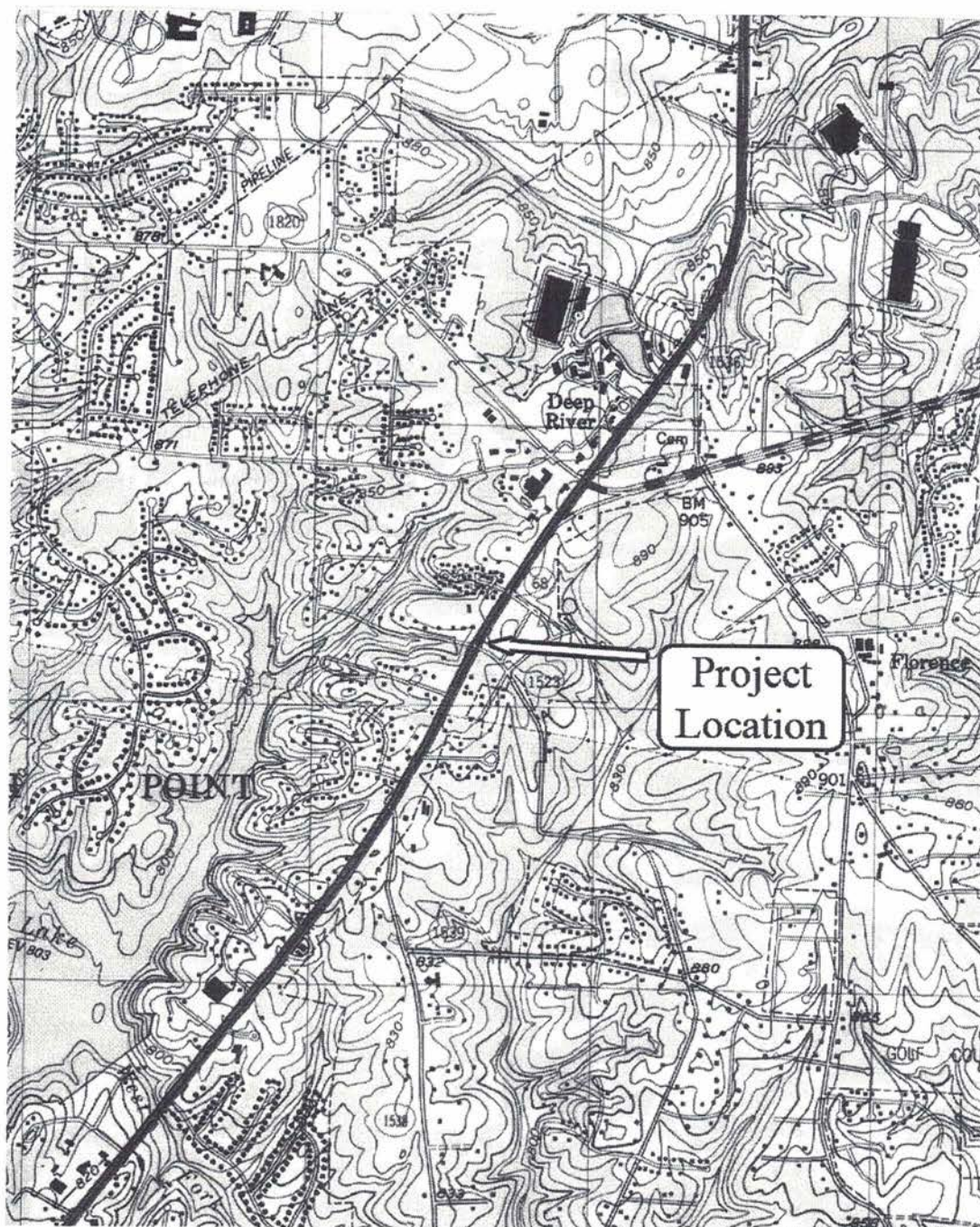
Guilford County Health Department
400 W. Market Street – Suite 300
Greensboro, NC 27401

6.3 Limitations

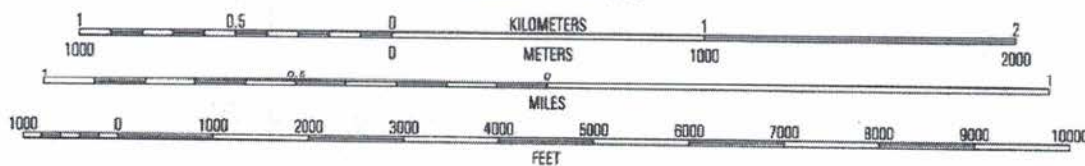
This report has been prepared for the exclusive use of Mid-State Petroleum Leasing, Inc. for the specific application to the referenced site located in Guilford County, North Carolina. The evaluation was conducted based on the scope of work and level of effort desired by the client and with resources adequate only for the scope of work. Our findings have been developed in accordance with generally accepted standards for Limited Site Assessments in the State of North Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data presented in this report are indicative of conditions at the precise locations sampled and the time the sample was collected. Additionally, the data obtained from the samples would be interpreted as meaningful with respect to the parameters in the laboratory reports. No additional information can be logically inferred from this data.

FIGURES



SCALE 1:24 000



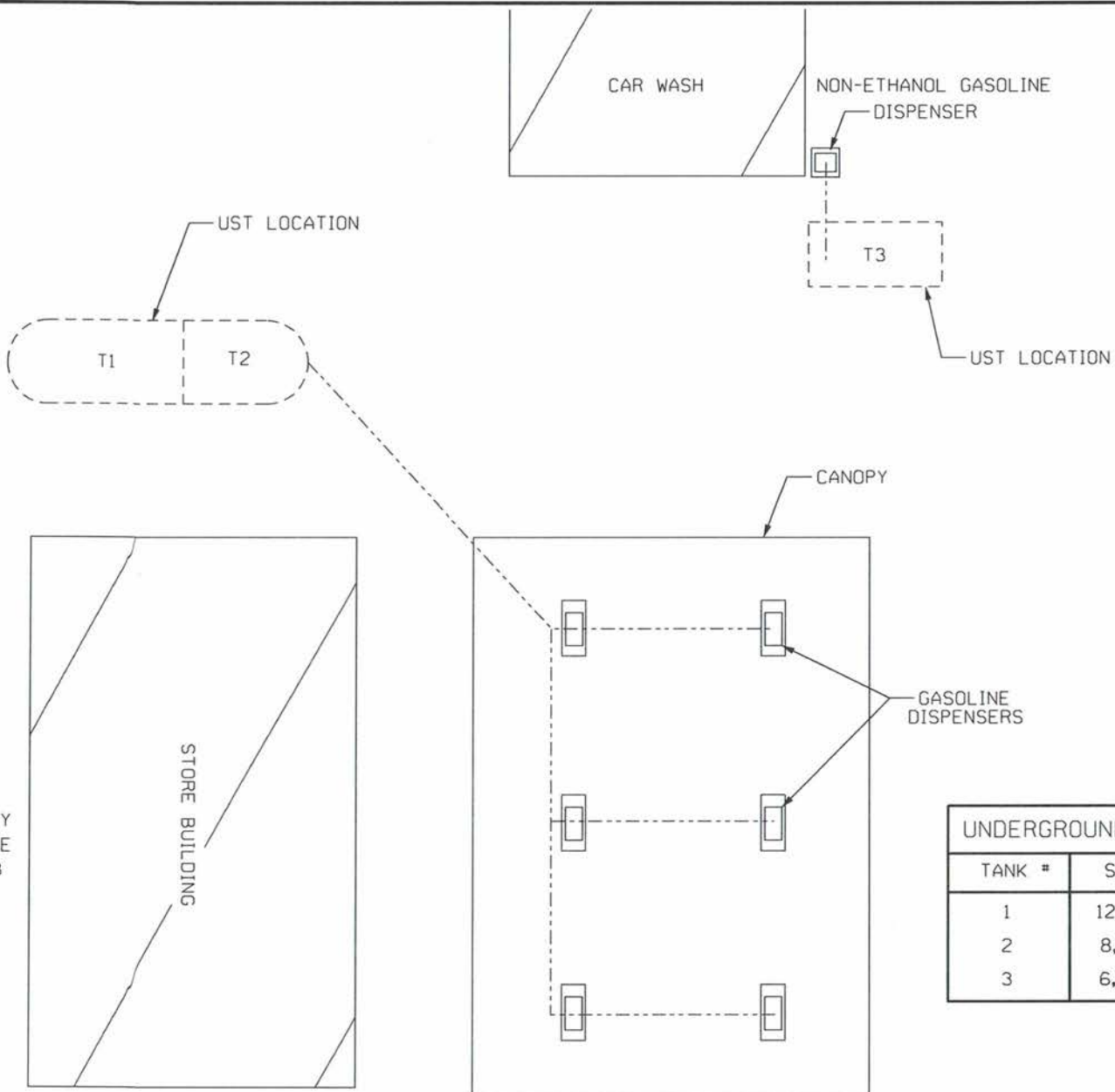
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

FIGURE 1

SCALE: 1"=2,000' DATE: 2/3/20 DWN. BY: BWR DWG. NO. L20-1530Z	TITLE: PROJECT LOCATION U.S.G.S. TOPOGRAPHIC MAP GUILFORD QUADRANGLE	PROJECT: LSA 2400 EASTCHESTER DRIVE HIGH POINT, NC	CLIENT: MID-STATE PETROLEUM LEASING JAMESTOWN, NC	 PARAGON ENVIRONMENTAL CONSULTANTS, INC. THOMASVILLE, NORTH CAROLINA
--	---	---	---	---

FIGURE 2

APPROXIMATELY
85' FROM STORE
TO NC HWY 68



LEGEND

SCALE
0' 10' 20'

----- U/G PRODUCT PIPING

UNDERGROUND STORAGE TANKS		
TANK #	SIZE	CONTENTS
1	12,000	GASOLINE
2	8,000	GASOLINE
3	6,000	GASOLINE

SCALE: 1"=20'
DATE: 2/3/20
DWN. BY: BWR
DWG. NO. L20-1530

TITLE:
SITE LAYOUT AND
UST LOCATIONS

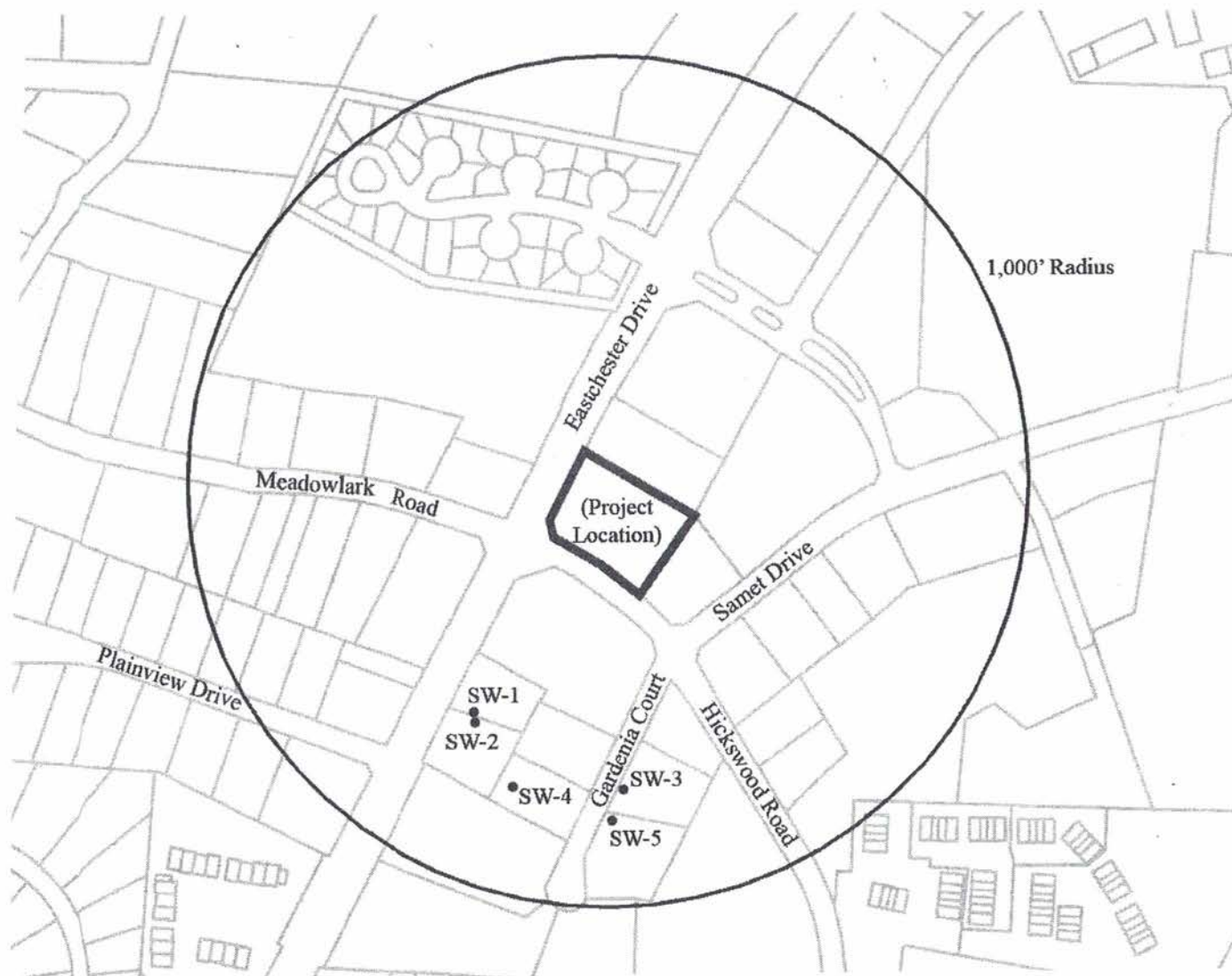
PROJECT:
LSA
2400 EASTCHESTER DRIVE
HIGH POINT, NC

CLIENT:
MID-STATE PETROLEUM LEASING
JAMESTOWN, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA

FIGURE 3



SCALE: 1"=400'
DATE: 2/4/20
DWN. BY: BWR
DWG. NO. L20-1530X

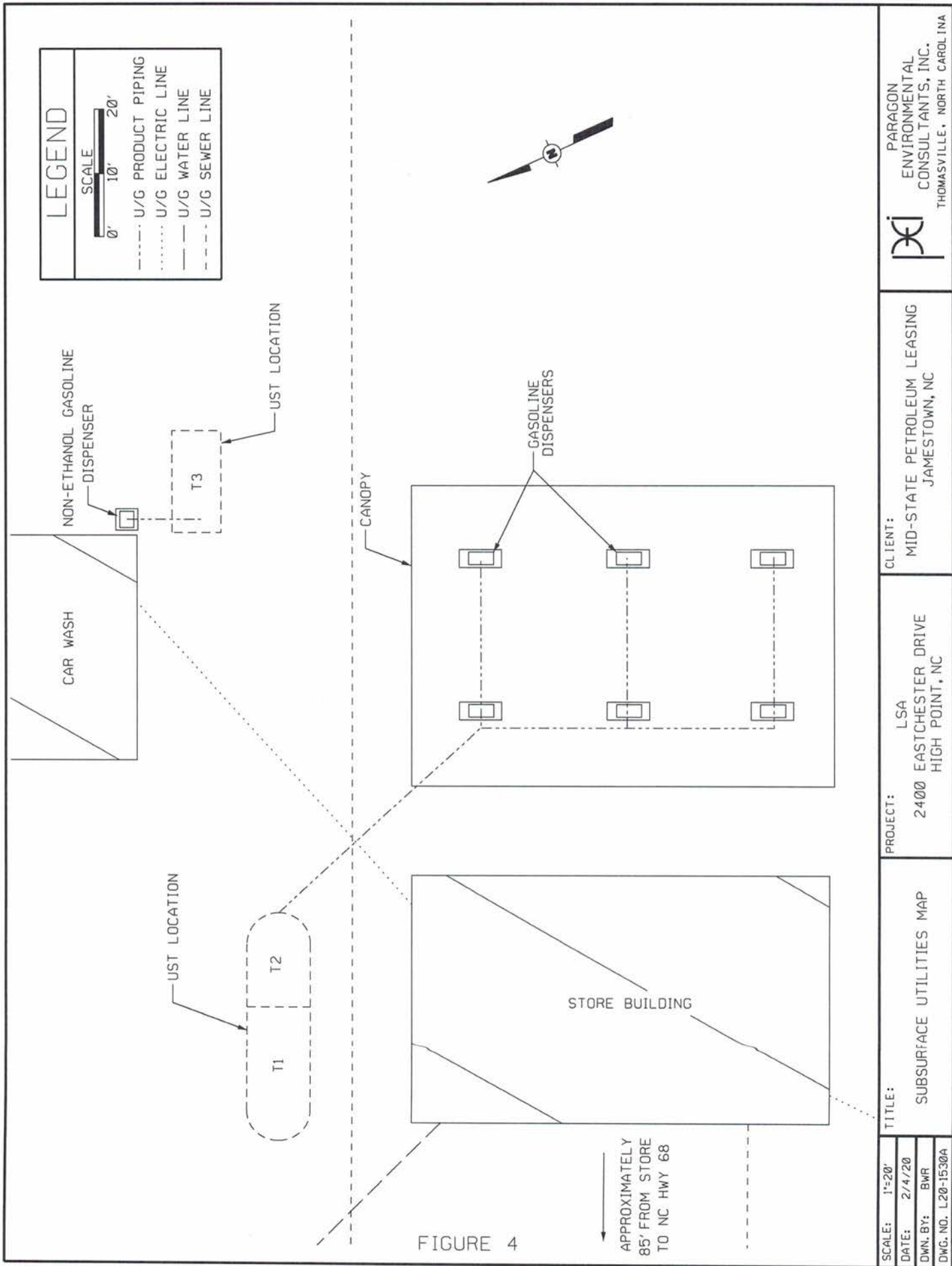
TITLE:
SUPPLY WELL LOCATIONS MAP

PROJECT: LSA
2400 EASTCHESTER DRIVE
HIGH POINT, NC

CLIENT: MID-STATE PETROLEUM LEASING
JAMESTOWN, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA



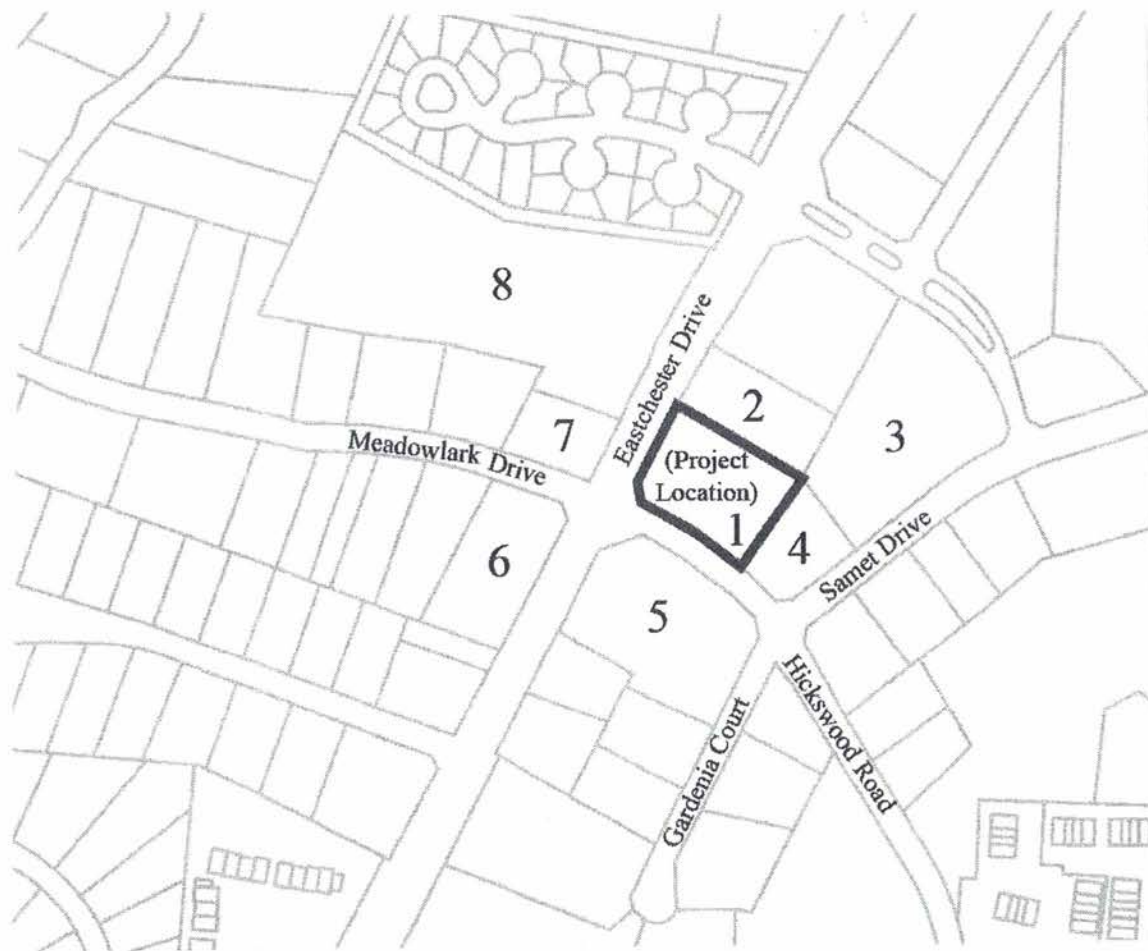


FIGURE 5

SCALE: 1"=400'
DATE: 2/3/20
DWN. BY: BWR
DWG. NO. L20-1530Y

TITLE:
ADJACENT PROPERTIES MAP

PROJECT:
LSA
2400 EASTCHESTER DRIVE
HIGH POINT, NC

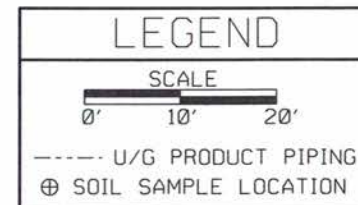
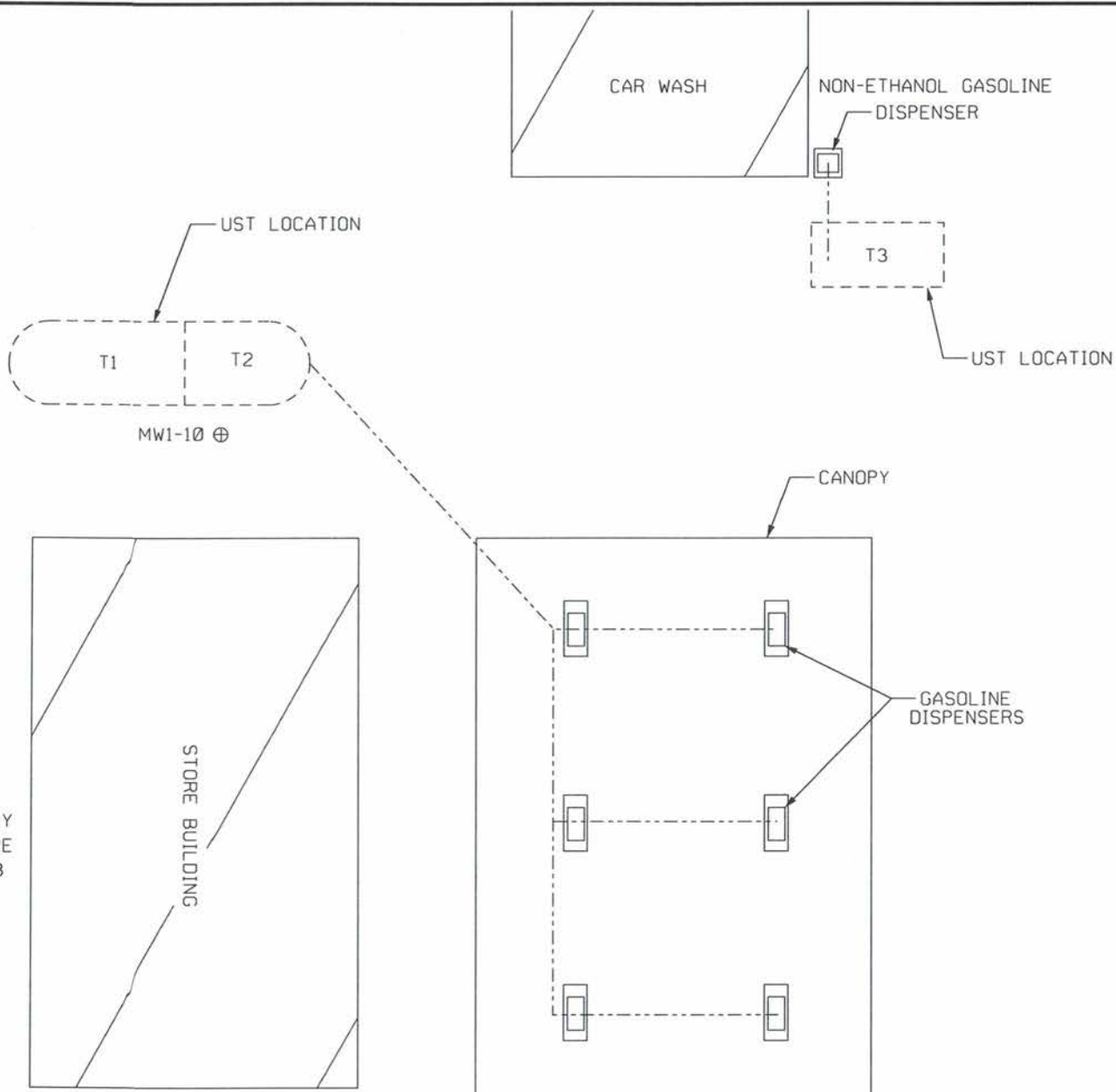
CLIENT:
MID-STATE PETROLEUM LEASING
JAMESTOWN, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA

FIGURE 6

←
APPROXIMATELY
85' FROM STORE
TO NC HWY 68



SCALE: 1"=20'
DATE: 2/3/20
DWN. BY: BWR
DWG. NO. L20-1530B

TITLE:
SITE LAYOUT AND
SOIL SAMPLE LOCATION

PROJECT:
LSA
2400 EASTCHESTER DRIVE
HIGH POINT, NC

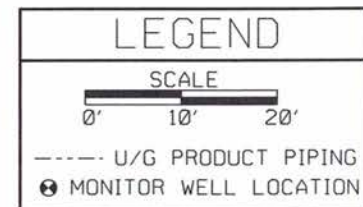
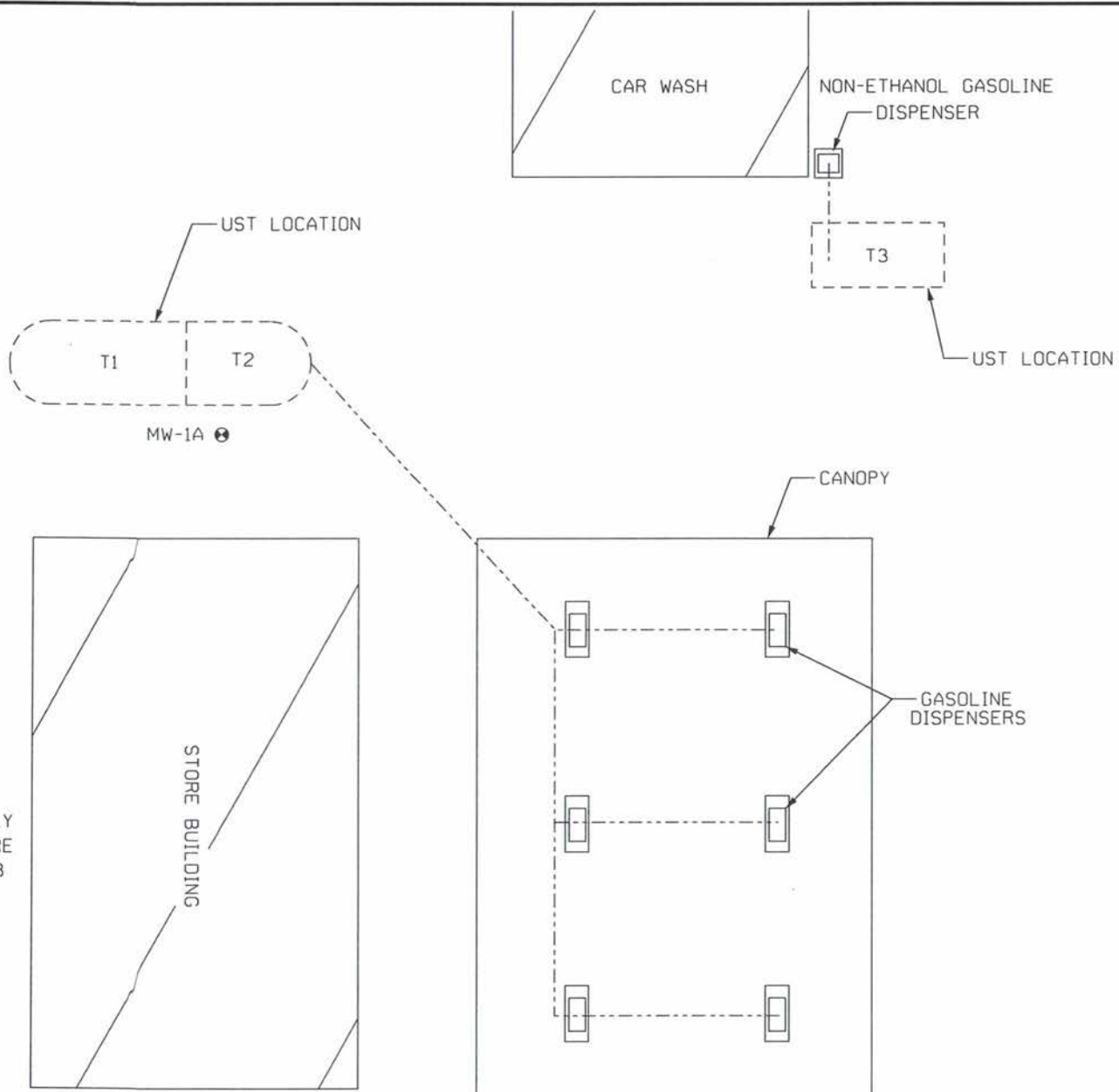
CLIENT:
MID-STATE PETROLEUM LEASING
JAMESTOWN, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA

FIGURE 7

APPROXIMATELY
85' FROM STORE
TO NC HWY 68



SCALE: 1"=20'
DATE: 2/3/20
DWN. BY: BWR
DWG. NO. L20-1530C

TITLE:
SITE LAYOUT AND
MONITOR WELL LOCATION

PROJECT:
LSA
2400 EASTCHESTER DRIVE
HIGH POINT, NC

CLIENT:
MID-STATE PETROLEUM LEASING
JAMESTOWN, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA

TABLES

TABLE 1: SITE HISTORY

THE POP SHOPPE – HICKSWOOD RD 2400 EASTCHESTER DRIVE HIGH POINT, NC

Property Owner:

Triad Holding Company, LLC
7622 Bentley Road
Greensboro, NC 27409

UST Owner / Operator:

Mid-State Petroleum Leasing, Inc.
P.O. Box 1618
Jamestown, NC 27282

UST Information:

Tank No	Installation Date	Size (Gal)	Closure Date	UST Status	Tank Contents
T1	6/30/1997	12,000	Not Applicable	In Use	Gasoline
T2	6/30/1997	8,000	Not Applicable	In Use	Gasoline
T3	11/1/1998	6,000	Not Applicable	In Use	Gasoline

TABLE 2**WATER SUPPLY WELL INFORMATION**
1,000' RadiusThe Pop Shoppe - Hickwood Rd
High Point, North Carolina

Well Identification	SW-1	SW-2	SW-3	SW-4	SW-5
Owner Name	Nan Soon Jon	Thanh Le & Mong Thu Thi Luu	Jerome C. Thompson	B. Frazier & S. Watson	Robert E. Eanes
Owner Mailing Address	P.O. Box 2246 Jamestown, NC 27282	2300 Eastchester Drive High Point, NC 27265	3819 Briarwood Avenue High Point, NC 27265	2102 Carlisle Way High Point, NC 27265	2402 Gardenia Court High Point, NC 27265
Telephone #	Unknown	Unknown	Unknown	Unknown	Unknown
Use of Well	Out of Service	Out of Service	Consumption	Consumption	Consumption
Physical Address	2302 Eastchester Drive High Point, NC 27265	2300 Eastchester Drive High Point, NC 27265	2404 Gardenia Court High Point, NC 27265	2401 Gardenia Court High Point, NC 27265	2402 Gardenia Court High Point, NC 27265
Depth of Casing	Unknown	Unknown	Unknown	Unknown	Unknown
Well Screen Interval	Unknown	Unknown	Unknown	Unknown	Unknown
Feet from Source	640'	645'	740'	775'	810'

TABLE 3: ADJACENT PROPERTY OWNERS

**THE POP SHOPPE – HICKSWOOD RD
2400 EASTCHESTER DRIVE
HIGH POINT, NC**

<u>SITE ID</u>	<u>OWNER INFO</u>
1	Triad Holding Company, LLC 7622 Bentley Road Greensboro, NC 27409 (Project Location)
2	Ronald E. Bridges 2410 Eastchester Drive High Point, NC 27260
3	Cana Holding Company, LLC P.O. Box 49579 Greensboro, NC 27419 (3793 Samet Drive)
4	David J. Novak 3781 Samet Drive High Point, NC 27265
5	Eastchester Medical, LLC 3150 N. Elm Street, Suite 206 Greensboro, NC 27408 (2401 Hickswood Road)
6	Windsor Commercial Properties, LLC Windsor Development Group, LLC Steven and Tamara Buckland 5603 Garden Village Way Greensboro, NC 27410 (2305-2311 Eastchester Drive)
7	First Generation, LLC 172 Fairview Avenue Boonton, NJ 07005 (2501-2503 Eastchester Drive)
8	AAA Storage Management 24, LLC 7622 Bentley Road Greensboro, NC 27409 (2505 Eastchester Drive)

TABLE 4
Summary of Soil Laboratory Analytical Results
The Pop Shoppe - Hickwood Rd
High Point, NC

Constituent	MW1-10	Lowest MSCCs	Residential Standard
Date	1/3/2020		
Method 8260 (mg/kg)			
Acetone	BDL	24	14,000
Benzene	BDL	0.0056	18
n-Butylbenzene	BDL	4.3	626
sec-Butylbenzene	BDL	3.3	626
Ethylbenzene	BDL	4.9	1,560
p-Isopropyltoluene	BDL	0.12	100
Naphthalene	BDL	0.16	313
Toluene	BDL	4.3	1,200
1,2,4-Trimethylbenzene	BDL	8.5	782
1,3,5-Trimethylbenzene	BDL	8.3	782
Xylenes (total)	BDL	4.6	3,129
IPE	BDL	0.37	156
MTBE	BDL	0.091	350
Aliphatic Fraction Classes (mg/kg)			
C5-C8 Volatile Aliphatics	BDL	68	939
C9-C12 Volatile Aliphatics	BDL	NSE	NSE
C9-C18 Extractable Aliphatics	N/A	NSE	NSE
C9-C18 Aliphatics (total)	BDL	540	1,500
C19-C36 Extractable Aliphatics	N/A	NSE	31,000
Aromatic Fraction Classes (mg/kg)			
C9-C10 Volatile Aromatics	BDL	NSE	NSE
C11-C22 Extractable Aromatics	N/A	NSE	NSE
C9-C22 Aromatics (total)	BDL	31	469

BDL= Below Detection Limits

N/A = Not Analyzed

NSE = No Standard Established

X20-1530

TABLE 5

Monitoring Well Information and Groundwater Elevation

The Pop Shoppe - Hickswood Rd
High Point, NC

Well Number	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Depth to Water	Groundwater Elevation
MW-1A	100.00	92.00	77.00	10.58	89.42

Note: All measurements taken in feet and based on an arbitrary benchmark of 100.00 feet; groundwater levels measured on January 5, 2020.

TABLE 6
Summary of Groundwater Laboratory Analytical Results
The Pop Shoppe - Hickwood Rd
High Point, NC

Constituent	MW-1A	2L Standard	GCL
Date	1/5/2020		
Methods 6200B (ug/L)			
Benzene	1,760	1	5,000
Toluene	1,020	600	260,000
Ethylbenzene	1,220	600	84,500
Xylenes (total)	2,915	500	85,500
BTEX (total)	BDL	NSE	NSE
n-Butylbenzene	BDL	70	6,900
sec-Butylbenzene	BDL	70	8,500
cis-1,2-Dichloroethene	BDL	70	70,000
Ethanol	BDL	4,000	4,000,000
2-Hexanone	BDL	40	40,000
Isopropylbenzene	61	70	25,000
p-Isopropyltoluene	BDL	25	11,700
Naphthalene	172	6	6,000
n-Propylbenzene	122	70	30,000
Tetrachloroethene (PCE)	BDL	0.7	700
Trichloroethene (TCE)	BDL	3	3,000
1,2,4-Trimethylbenzene	340	400	28,500
1,3,5 Trimethylbenzene	265	400	25,000
MTBE	BDL	20	20,000
IPE	91	70	70,000
Method 3030C (ug/L)			
Lead	BDL	15	15,000
Aliphatic Fraction Classes (ug/L)			
C5-C8 Volatile Aliphatics	2,670	400	NSE
C9-C12 Volatile Aliphatics	9,190	NSE	NSE
C9-C18 Extractable Aliphatics	N/A	NSE	NSE
C9-C18 Aliphatics (total)	9,190	700	NSE
C19-C36 Extractable Aliphatics	N/A	10,000	NSE
Aromatic Fraction Classes (ug/L)			
C9-C10 Volatile Aromatics	2,350	NSE	NSE
C11-C22 Extractable Aromatics	N/A	NSE	NSE
C9-C22 Aromatics (total)	2,350	200	NSE

BDL = Below Detection Limits

N/A = Not Analyzed

NSE = No Standard Established

X20-1530A

APPENDIX A

SOIL BORING LOG

Paragon Environmental Consultants, Inc.

Comments:

Sample Number	Depth (ft.)	Soil Description (color, soil type, moisture)	Blow Counts	OVA (ppm)
MW-1A	5	Tan/brown, CLAY with silt, damp		N/A
	10	Brown, CLAY with silt, damp		N/A
	15	Brown/orange, CLAY with silt, damp		N/A
	20	Brown/orange, CLAY with silt, damp		N/A
		Soil Boring Terminated at 23'		
P-1530A				

APPENDIX B

SOIL ANALYTICAL RESULTS



MERITECH, INC.

Environmental Laboratories

Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc. **Meritech ID#:** 01062020
Project: P-1530 Hickswood Rd. Pop-Shop **Analysis:** 01/09/20
Client Sample ID: Monitor Well # 1 @ 10' **Analyst:** VWV
Sample Collection: 01/03/20 **Dilution Factor:** 1

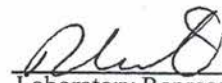
SW846-8260D/5035 VOLATILE ORGANICS - Soil

Acetone	< 0.050 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Benzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	Ethanol	< 0.250 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	2-Hexanone	< 0.010 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.005 mg/kg	Isopropyl ether	< 0.005 mg/kg
2-Butanone (MEK)	< 0.050 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
sec-Butylbenzene	< 0.005 mg/kg	Methyl Isobutyl Ketone (MIBK)	< 0.050 mg/kg
tert-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chloroethane	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloromethane	< 0.005 mg/kg	Tetrachloroethene (PCE)	< 0.005 mg/kg
2-Chlorotoluene	< 0.005 mg/kg	Toluene	< 0.005 mg/kg
4-Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
1,2-Dibromo-3-chloropropane	< 0.005 mg/kg	Trichloroethene (TCE)	< 0.005 mg/kg
1,2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Dichlorodifluoromethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	Trichlorofluoromethane	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	Vinyl acetate	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
2,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

Additional Compounds

Methyl-tert-butyl ether (MTBE) < 0.005 mg/kg
Isopropyl ether (IPE) < 0.005 mg/kg

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories

Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc.
Project: P-1530 Hickwood Rd. Pop-Shop
Client Sample ID: Monitor Well # 1 @ 10'
Sample Collection: 01/03/20
Sample Weight: 4.75g
% solid: 84%
Preparation Date: 01/09/20

Meritech ID#: 01062020
Analysis: 01/09/20
Analyst: VWV
Dilution Factor: 1
Report Date: 01/10/20

Batch Blank = Below Reporting Limit (Yes) / No **

Internal Standards method criteria acceptable (Yes) / No **

<u>Surrogate Recoveries</u>	<u>Spike Conc</u>	<u>Spike Recovery</u>	<u>Limits</u>
Dibromofluoromethane	30 ug/L	90%	51-141%
Toluene-d8	30 ug/L	103%	67-151%
Bromofluorobenzene	30 ug/L	92%	45-161%

Laboratory QC Check

Matrix / Spike Recoveries acceptable (Yes) / No **

<u>Spike Compound</u>	<u>Spike Conc</u>	<u>Spike %Rec.</u>	<u>Duplicate % Rec.</u>	<u>RPD</u>	<u>RPD Limits</u>	<u>QC Limits</u>
1,1-Dichloroethene	25 ug/L	106%	105%	1	20	40-133
Benzene	25 ug/L	66%	66%	0	20	40-168
Trichloroethene	25 ug/L	73%	69%	5	20	42-143
Toluene	25 ug/L	79%	83%	5	20	58-154
Chlorobenzene	25 ug/L	71%	76%	8	20	48-136

- Fails Limit Check

** - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories

Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc. **Meritech ID#:** 01062020tb
Project: P-1530 Hickwood Rd. Pop-Shop **Analysis:** 01/09/20
Client Sample ID: Trip Blank **Analyst:** VWV
Sample Collection: 01/03/20 **Dilution Factor:** 1

SW846-8260D/5035 VOLATILE ORGANICS - Soil

Acetone	< 0.050 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Benzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	Ethanol	< 0.250 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	2-Hexanone	< 0.010 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.005 mg/kg	Isopropyl ether	< 0.005 mg/kg
2-Butanone (MEK)	< 0.050 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
sec-Butylbenzene	< 0.005 mg/kg	Methyl Isobutyl Ketone (MIBK)	< 0.050 mg/kg
tert-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chloroethane	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloromethane	< 0.005 mg/kg	Tetrachloroethene (PCE)	< 0.005 mg/kg
2-Chlorotoluene	< 0.005 mg/kg	Toluene	< 0.005 mg/kg
4-Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
1,2-Dibromo-3-chloropropane	< 0.005 mg/kg	Trichloroethene (TCE)	< 0.005 mg/kg
1,2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Dichlorodifluoromethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	Trichlorofluoromethane	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	Vinyl acetate	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
cis-1,2-Dichloroethene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg	Additional Compounds	
1,3-Dichloropropane	< 0.005 mg/kg	Methyl-tert-butyl ether (MTBE)	< 0.005 mg/kg
2,2-Dichloropropane	< 0.005 mg/kg	Isopropyl ether (IPE)	< 0.005 mg/kg
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories

Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc.
Project: P-1530 Hickwood Rd. Pop-Shop
Client Sample ID: Trip Blank
Sample Collection: 01/03/20
Sample Weight: N/A
% solid: N/A
Preparation Date: N/A

Meritech ID#: 01062020tb
Analysis: 01/09/20
Analyst: VWV
Dilution Factor: 1
Report Date: 01/10/20

Batch Blank = Below Reporting Limit (Yes) / No **

Internal Standards method criteria acceptable (Yes) / No **

<u>Surrogate Recoveries</u>	<u>Spike Conc</u>	<u>Spike Recovery</u>	<u>Limits</u>
Dibromofluoromethane	30 ug/L	93%	51-141%
Toluene-d8	30 ug/L	110%	67-151%
Bromofluorobenzene	30 ug/L	90%	45-161%

Laboratory QC Check

Matrix / Spike Recoveries acceptable (Yes) / No **

<u>Spike Compound</u>	<u>Spike Conc</u>	<u>Spike %Rec.</u>	<u>Duplicate % Rec.</u>	<u>RPD</u>	<u>RPD Limits</u>	<u>QC Limits</u>
1,1-Dichloroethene	25 ug/L	106%	105%	1	20	40-133
Benzene	25 ug/L	66%	66%	0	20	40-168
Trichloroethene	25 ug/L	73%	69%	5	20	42-143
Toluene	25 ug/L	79%	83%	5	20	58-154
Chlorobenzene	25 ug/L	71%	76%	8	20	48-136

- Fails Limit Check

** - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



Meritech Inc.

Environmental Laboratories

Laboratory Certification #165

Client Name	Paragon Environmental Consultants, Inc.	Laboratory Name	MERITECH, INC.
Project Name	P-1530	NC Certification # (Lab)	#165
Site Location	Hickwood Rd. Pop - Shoppe	Sample Matrix	Soil
		Report Date	01/22/20

VPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP VPH by GC PID/FID Trap: Supelco Cat #21064 Carbopack BTEX Trap "J" Column: Restek Cat #10910 RTX-502.2 105m X 0.53mmID 3um df VPH Surrogate Standard: PID/FID 2,5-Dibromotoluene		Sample Identification			Trip Blank	MW1-10'
		Lab Identification			Trip Blank	01062020
		Collection Option (for soil)*			1	1
		Date Collected			01/03/20	01/03/20
		Date Received			01/06/20	01/06/20
		Date Extracted			N/A	01/22/20
		Date Analyzed			01/22/20	01/22/20
		% Dry Solids			N/A	85%
		Dilution Factor			N/A	N/A
Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank		
C5 - C8 Aliphatics*	mg/kg	2.05	5.00	< 5.00	< 5.00	< 5.00
C9 - C12 Aliphatics*	mg/kg	2.08	5.00	< 5.00	< 5.00	< 5.00
C9- C10 Aromatics*	mg/kg	1.52	5.00	< 5.00	< 5.00	< 5.00
		LCS	LCSD			
Sample/QC Surrogate Acceptance Range		70 - 130%	70 - 130%	70 - 130%	70 - 130%	70 - 130%
Aliphatic Surrogate % Recovery - FID		105%	98%	73%	73%	74%
Aromatic Surrogate % Recovery - PID		107%	100%	75%	75%	75%
QC Spike Acceptance Range & RPD Limit		70 - 130%	70 - 130%	RPD=<25		
C5 - C8 Aliphatics* % Recovery		100%	78%	24.7		
C9 - C12 Aliphatics* % Recovery		97%	84%	14.4		
C9- C10 Aromatics* % Recovery		93%	82%	12.6		
* Option 1 = Establish fill line on vial Option 2 = Sampling Device (indicate brand, e.g.EnCore TM)						
* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.						
MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank						

VPH rev. 05/03/18

Were all performance/acceptance standards for required QA/QC procedures achieved?
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?
YES (NO)

Were any significant modifications to the VPH method made?
(NO) YES - Details Attached

Reviewed By

Vernon W. Smith

8/9/18

Chain of Custody Record (COC)

**MERITECH, INC.****ENVIRONMENTAL LABORATORIES**

642 Tamco Rd. Phone: 336-342-4748

Reidsville NC 27320 Fax: 336-342-1522

Email: info@meritechlabs.com

www.meritechlabs.com

Client:

Address:

PEI PARAGON
Environmental Consultants, Inc.
P.O. Box 157
Thomasville, NC 27361
(336) 669-6037

NPDES#:

Phone:

Fax:

Email:

Project: Hickswood Rd. Pop-ShoppeP.O.#: P-1530Attention: Brandon Moore

How would you like your report sent?

Circle all that apply: Email (preferred), Fax, Mail

Turn Around Time*

*RUSH work needs prior approval,

Charges Apply

Std (10 days)

3 - 5 Days

24 - 48 Hrs

Lab Use Only

Person Taking Sample (Sign/Print):

Blm w/lost / Brandon Moore**Test(s) Required**

On Ice?

pH OK?

CI OK?

Comp?

of

Grab?

Cont.

EPA Method 8260 + MTBE/IPE 20
VPH

EPA Method 6200B + MTBE/IPE 21
Lead VPH

8260/6200B
VPH

Sample Location and/or ID #

Sampling Dates & Times

Start

End

Date

Time

Date

Time

Monitor Well #1 @ 10'
(MW1-10)

1/3/20 10:05AM

G 5

Monitor Well #1A
(MW-1A)

1/5/20 3:35PM

G 7

Trip Blank
VPH Blank

RUSH

Method of Shipment:

☐ UPS☐ Fed Ex☒ Hand Delivery☐ Other

*** Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol and TKN samples must be done in the field prior to preservation. ***

Comments:

Relinquished by:

Relinquished by:

Relinquished by:

Are these results for regulatory purposes? Yes ☒ No ☐

Date: 1/6/20 Time: 10:00

Date: 1/6/20 Time: 1:30

Date: Time:

Report results in: mg/L ☐

soil

mg/kg ☒ug/L ☒water ☒

Received by:

Received by:

Received by Lab:

Date: 1/6/20

Date:

Date: 1-6-20

Time: 10:00

Time:

Time: 1:30

Temperature Upon

Receipt: NA

Compositor #

Jug #

APPENDIX C

WELL CONSTRUCTION RECORD

WELL CONSTRUCTION RECORD (GW-1)**1. Well Contractor Information:****Terry White**

Well Contractor Name

3287-B

NC Well Contractor Certification Number

IET

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):**Water Supply Well:**

- ☐ Agricultural
 ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply)
 ☐ Residential Water Supply (single)
☐ Industrial/Commercial
 ☐ Residential Water Supply (shared)
☐ Irrigation

Non-Water Supply Well:

- ☒ Monitoring
 ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge
 ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery
 ☐ Salinity Barrier
☐ Aquifer Test
 ☐ Stormwater Drainage
☐ Experimental Technology
 ☐ Subsidence Control
☐ Geothermal (Closed Loop)
 ☐ Tracer
☐ Geothermal (Heating/Cooling Return)
 ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 1/3/2020 **Well ID#** MW-1A
5a. Well Location:**Citgo Gas Station**

Facility/Owner Name

Facility ID# (if applicable)

2400 Eastchester Dr. Highpoint 27265

Physical Address, City, and Zip

Guilford

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)
36 01 30 N 79 58 18 W

6. Is(are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled: one
9. Total well depth below land surface: 22 (ft.)
 For multiple wells list all depths if different (example - 3@200' and 2@100')

10. Static water level below top of casing: 19 (ft.)
 If water level is above casing, use "+"

11. Borehole diameter: 8 (in.)

12. Well construction method: Auger
 (i.e. auger, rotary, cable, direct push, etc.)
FOR WATER SUPPLY WELLS ONLY:
13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use Only:

14. WATER ZONES

FROM	TO	DESCRIPTION
19 ft.	22 ft.	Brown Mud
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	8 ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
8 ft.	23 ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
4 ft.	6 ft.	Bentonite	Poured/50LB
0 ft.	4 ft.	Neat Cement	Poured/65LB
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
6 ft.	23 ft.	#2 Sand	Poured
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant Log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS**22. Certification:**
Terry White
 Signature of Certified Well Contractor
1/3/2020

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS
24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

 Division of Water Resources, Information Processing Unit,
 1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

 Division of Water Resources, Underground Injection Control Program,
 1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

APPENDIX D

STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURES
PARAGON ENVIRONMENTAL CONSULTANTS, INC.

I. SOIL SAMPLE PROCEDURES

1. Collect all samples using disposable Latex gloves. Gloves are not to be re-used.
2. Place samples into laboratory supplied glassware following requirements for specific analysis.
3. Label samples with sample ID, date, time, and job number. Immediately place samples on ice or in refrigerator to be cooled to approximately 4 degrees Celsius.
4. Store all samples on ice or refrigerate until samples are delivered to the laboratory.
5. Complete a chain of custody record for samples to be submitted to laboratory. Sign and date the chain of custody when samples are relinquished in accordance with EPA chain of custody protocol.

II. GROUNDWATER SAMPLING

1. Use new disposable bailer and new nylon string to develop well and collect sample. Handle bailer and string with Latex gloves.
2. Develop well by removing 3 well volumes of water. Dispose of water in accordance with NCDEQ guidelines.
3. Following well development obtain samples in laboratory supplied glassware following requirements for specific analysis.
4. Handle, store, and transport samples in same manner as for soil samples. See items I.3, I.4, and I.5 above.

III. EQUIPMENT CONTAMINATION

1. Decontaminate augers, split spoons, and other sampling equipment by the following procedure:
 - A. Soap and tap water wash
 - B. Tap water rinse
 - C. Distilled deionized water rinse
 - D. Isopropyl alcohol rinse
 - E. Distilled water rinse
2. Use new disposable sampling equipment whenever practical.

APPENDIX E

GROUNDWATER ANALYTICAL RESULTS



Meritech, Inc.
Environmental Laboratory
Laboratory Certification No. 165

Contact: Mr. Brandon Moore
Client: Paragon Environmental Consultants
PO Box 157
Thomasville NC 27361

Report Date: 1/22/2020
PO# P-1530
Project # Hickswood Rd Pop-Shoppe
Date Sample Rcvd: 1/6/2020

Meritech Work Order # 01061920 Sample: MW1-10 Grab 1/3/20

<u>Parameters</u>	<u>Results</u>	<u>Analysis Date</u>	<u>Reporting Limit</u>	<u>Method</u>
EPA 8600 + MTBE/IPE	Attached	1/9/20	- -	5030
VPH	Attached	1/22/20	- -	-

Meritech Work Order # 01061921 Sample: MW-1A Grab 1/5/20

<u>Parameters</u>	<u>Results</u>	<u>Analysis Date</u>	<u>Reporting Limit</u>	<u>Method</u>
Lead, total	<0.010 mg/L	1/7/20	0.010 mg/L	EPA 200.7
EPA 6200B	Attached	1/8/20	- -	5030
VPH	Attached	1/17/20	- -	-

I hereby certify that I have reviewed and approve these data.

Amanda Hancock
Laboratory Representative

642 Tamco Road, Reidsville, North Carolina 27320
tel.(336)342-4748 fax.(336)342-1522



MERITECH, INC.

Environmental Laboratories

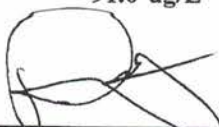
Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc. Meritech ID#: 01062021
Project: P-1530 Hickwood Rd. Pop-Shop Analysis: 01/08/20
Client Sample ID: Monitor Well # 1A Analyst: VWV
Sample Collection: 01/05/20 Dilution Factor: 100

SM-6200B VOLATILE ORGANICS - Water

Acetone	< 5,000 ug/L	cis-1,3-Dichloropropene	< 50.0 ug/L
Benzene	1,760 ug/L	trans-1,3-Dichloropropene	< 50.0 ug/L
Bromobenzene	< 50.0 ug/L	Ethanol	< 5,000 ug/L
Bromodichloromethane	< 50.0 ug/L	Ethyl benzene	1,220 ug/L
Bromochloromethane	< 50.0 ug/L	2-Hexanone	< 100 ug/L
Bromoform	< 50.0 ug/L	Hexachlorobutadiene	< 50.0 ug/L
Bromomethane	< 50.0 ug/L	Isopropylbenzene	61.0 ug/L
2-Butanone (MEK)	< 500 ug/L	p-Isopropyltoluene	< 50.0 ug/L
n-Butylbenzene	< 50.0 ug/L	Methylene chloride	< 50.0 ug/L
sec-Butylbenzene	< 50.0 ug/L	Methyl Isobutyl Ketone (MIBK)	< 50.0 ug/L
tert-Butylbenzene	< 50.0 ug/L	Naphthalene	172 ug/L
Carbon Tetrachloride	< 50.0 ug/L	n-Propylbenzene	122 ug/L
Chlorobenzene	< 50.0 ug/L	Styrene	< 50.0 ug/L
Chloroethane	< 50.0 ug/L	1,1,1,2-Tetrachloroethane	< 50.0 ug/L
Chloroform	< 50.0 ug/L	1,1,2,2-Tetrachloroethane	< 50.0 ug/L
Chloromethane	< 50.0 ug/L	Tetrachloroethene (PCE)	< 50.0 ug/L
2-Chlorotoluene	< 50.0 ug/L	Toluene	1,020 ug/L
4-Chlorotoluene	< 50.0 ug/L	1,1,1-Trichloroethane	< 50.0 ug/L
Dibromochloromethane	< 50.0 ug/L	1,1,2-Trichloroethane	< 50.0 ug/L
1,2-Dibromo-3-chloropropane	< 50.0 ug/L	Trichloroethene (TCE)	< 50.0 ug/L
1,2-Dibromoethane (EDB)	< 50.0 ug/L	1,2,3-Trichlorobenzene	< 50.0 ug/L
Dibromomethane	< 50.0 ug/L	1,2,4-Trichlorobenzene	< 50.0 ug/L
Dichlorodifluoromethane	< 50.0 ug/L	1,2,3-Trichloropropane	< 50.0 ug/L
1,1-Dichloroethane	< 50.0 ug/L	Trichlorofluoromethane	< 50.0 ug/L
1,2-Dichloroethane	< 50.0 ug/L	1,2,4-Trimethylbenzene	340 ug/L
1,4-Dichlorobenzene	< 50.0 ug/L	1,3,5-Trimethylbenzene	265 ug/L
1,2-Dichlorobenzene	< 50.0 ug/L	Vinyl acetate	< 100 ug/L
1,3-Dichlorobenzene	< 50.0 ug/L	Vinyl chloride	< 50.0 ug/L
1,1-Dichloroethene	< 50.0 ug/L	m/p-Xylenes	2,740 ug/L
cis-1,2-Dichloroethene	< 50.0 ug/L	o-Xylene	175 ug/L
trans-1,2-Dichloroethene	< 50.0 ug/L		
1,2-Dichloropropane	< 50.0 ug/L	Additional Compounds	
1,3-Dichloropropane	< 50.0 ug/L	Methyl-tert-butyl ether (MTBE)	< 50.0 ug/L
2,2-Dichloropropane	< 50.0 ug/L	Isopropyl ether (IPE)	91.0 ug/L
1,1-Dichloropropene	< 50.0 ug/L		
1,2-Dichloropropene	< 50.0 ug/L		

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories

Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc.
Project: P-1530 Hickwood Rd. Pop-Shop
Client Sample ID: Monitor Well # 1A
Sample Collection: 01/05/20
Sample Volume: 5ml purge
% solid N/A

Meritech ID#: 01062021
Analysis: 01/08/20
Analyst: VWV
Dilution Factor: 100
Report Date: 01/09/20

Batch Blank = Below Reporting Limit (Yes) / No *

Internal Standards method criteria acceptable (Yes) / No *

<u>Surrogate Recoveries</u>	<u>Spike Conc</u>	<u>Spike Recovery</u>	<u>Limits</u>
Dibromofluoromethane	30 ug/L	88%	51-141%
Toluene-d8	30 ug/L	99%	67-151%
Bromofluorobenzene	30 ug/L	112%	45-161%

Laboratory QC Check

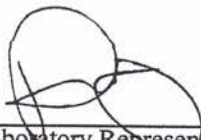
Matrix / Spike Recoveries Acceptable (Yes) / No *

<u>Spike Compound</u>	<u>Spike Conc</u>	<u>Spike %Rec.</u>	<u>Duplicate % Rec.</u>	<u>RPD</u>	<u>RPD Limits</u>	<u>QC Limits</u>
1,1-Dichloroethene	25 ug/L	129%	117%	10	20	40-133
Benzene	25 ug/L	86%	84%	2	20	40-168
Trichloroethene	25 ug/L	85%	87%	2	20	42-143
Toluene	25 ug/L	123%	106%	14	20	58-154
Chlorobenzene	25 ug/L	106%	99%	6	20	48-136

- Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories


Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc. Meritech ID#: 01062021tb
Project: P-1530 Hickwood Rd. Pop-Shop Analysis: 01/08/20
Client Sample ID: Trip Blank Analyst: VWV
Sample Collection: 01/05/20 Dilution Factor: 1

SM-6200B VOLATILE ORGANICS - Water

Acetone	< 5.00 ug/L	cis-1,3-Dichloropropene	< 0.500 ug/L
Benzene	< 0.500 ug/L	trans-1,3-Dichloropropene	< 0.500 ug/L
Bromobenzene	< 0.500 ug/L	Ethanol	< 50.0 ug/L
Bromodichloromethane	< 0.500 ug/L	Ethyl benzene	< 0.500 ug/L
Bromochloromethane	< 0.500 ug/L	2-Hexanone	< 1.00 ug/L
Bromoform	< 0.500 ug/L	Hexachlorobutadiene	< 0.500 ug/L
Bromomethane	< 0.500 ug/L	Isopropylbenzene	< 0.500 ug/L
2-Butanone (MEK)	< 5.00 ug/L	p-Isopropyltoluene	< 0.500 ug/L
n-Butylbenzene	< 0.500 ug/L	Methylene chloride	< 0.500 ug/L
sec-Butylbenzene	< 0.500 ug/L	Methyl Isobutyl Ketone (MIBK)	< 0.500 ug/L
tert-Butylbenzene	< 0.500 ug/L	Naphthalene	< 0.500 ug/L
Carbon Tetrachloride	< 0.500 ug/L	n-Propylbenzene	< 0.500 ug/L
Chlorobenzene	< 0.500 ug/L	Styrene	< 0.500 ug/L
Chloroethane	< 0.500 ug/L	1,1,1,2-Tetrachloroethane	< 0.500 ug/L
Chloroform	< 0.500 ug/L	1,1,2,2-Tetrachloroethane	< 0.500 ug/L
Chloromethane	< 0.500 ug/L	Tetrachloroethene (PCE)	< 0.500 ug/L
2-Chlorotoluene	< 0.500 ug/L	Toluene	< 0.500 ug/L
4-Chlorotoluene	< 0.500 ug/L	1,1,1-Trichloroethane	< 0.500 ug/L
Dibromochloromethane	< 0.500 ug/L	1,1,2-Trichloroethane	< 0.500 ug/L
1,2-Dibromo-3-chloropropane	< 0.500 ug/L	Trichloroethene (TCE)	< 0.500 ug/L
1,2-Dibromoethane (EDB)	< 0.500 ug/L	1,2,3-Trichlorobenzene	< 0.500 ug/L
Dibromomethane	< 0.500 ug/L	1,2,4-Trichlorobenzene	< 0.500 ug/L
Dichlorodifluoromethane	< 0.500 ug/L	1,2,3-Trichloropropane	< 0.500 ug/L
1,1-Dichloroethane	< 0.500 ug/L	Trichlorofluoromethane	< 0.500 ug/L
1,2-Dichloroethane	< 0.500 ug/L	1,2,4-Trimethylbenzene	< 0.500 ug/L
1,4-Dichlorobenzene	< 0.500 ug/L	1,3,5-Trimethylbenzene	< 0.500 ug/L
1,2-Dichlorobenzene	< 0.500 ug/L	Vinyl acetate	< 1.00 ug/L
1,3-Dichlorobenzene	< 0.500 ug/L	Vinyl chloride	< 0.500 ug/L
1,1-Dichloroethene	< 0.500 ug/L	m/p-Xylenes	< 1.00 ug/L
cis-1,2-Dichloroethene	< 0.500 ug/L	o-Xylene	< 0.500 ug/L
trans-1,2-Dichloroethene	< 0.500 ug/L		
1,2-Dichloropropane	< 0.500 ug/L	Additional Compounds	
1,3-Dichloropropane	< 0.500 ug/L	Methyl-tert-butyl ether (MTBE)	< 0.500 ug/L
2,2-Dichloropropane	< 0.500 ug/L	Isopropyl ether (IPE)	< 0.500 ug/L
1,1-Dichloropropene	< 0.500 ug/L		
1,2-Dichloropropene	< 0.500 ug/L		

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories

Laboratory Certification #165

Client: Paragon Environmental Consultants, Inc.
Project: P-1530 Hickwood Rd. Pop-Shop
Client Sample ID: Trip Blank
Sample Collection: 01/05/20
Sample Volume: 5ml purge
% solid N/A

Meritech ID#: 01062021tb
Analysis: 01/08/20
Analyst: VWV
Dilution Factor: 1
Report Date: 01/09/20

Batch Blank = Below Reporting Limit (Yes) / No *

Internal Standards method criteria acceptable (Yes) / No *

<u>Surrogate Recoveries</u>	<u>Spike Conc</u>	<u>Spike Recovery</u>	<u>Limits</u>
Dibromofluoromethane	30 ug/L	85%	51-141%
Toluene-d8	30 ug/L	105%	67-151%
Bromofluorobenzene	30 ug/L	93%	45-161%

Laboratory QC Check

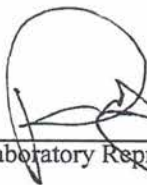
Matrix / Spike Recoveries Acceptable (Yes) / No *

<u>Spike Compound</u>	<u>Spike Conc</u>	<u>Spike %Rec.</u>	<u>Duplicate % Rec.</u>	<u>RPD</u>	<u>RPD Limits</u>	<u>QC Limits</u>
1,1-Dichloroethene	25 ug/L	129%	117%	10	20	40-133
Benzene	25 ug/L	86%	84%	2	20	40-168
Trichloroethene	25 ug/L	85%	87%	2	20	42-143
Toluene	25 ug/L	123%	106%	14	20	58-154
Chlorobenzene	25 ug/L	106%	99%	6	20	48-136

- Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.


Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



Meritech Inc.

Environmental Laboratories

Laboratory Certification #165

Client Name Paragon Environmental Consultants, Inc.
Project Name P-1530
Site Location Hickwood Rd. Pop - Shoppe

Laboratory Name MERITECH, INC.
NC Certification # (Lab) #165
Sample Matrix Water
Report Date 01/22/20

VPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP VPH by GC PID/FID		Sample Identification			Trip Blank	MW-1A
Trap: Supelco Cat #21064		Lab Identification			Trip Blank	01062021
Carbopack BTEX Trap "J"		Collection Option (for soil)*			N/A	N/A
Column: Restek Cat #10910		Date Collected			01/05/20	01/05/20
RTX-502.2 105m X 0.53mmID 3um df		Date Received			01/06/20	01/06/20
VPH Surrogate Standard: PID/FID		Date Extracted			N/A	N/A
2,5-Dibromotoluene		Date Analyzed			01/16/20	01/17/20
		% Dry Solids			N/A	N/A
		Dilution Factor			N/A	10
Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank		
C5 - C8 Aliphatics*	ug/L	4.58	100	< 100	< 100	2,670
C9 - C12 Aliphatics*	ug/L	2.84	100	< 100	< 100	9,190 **J7
C9- C10 Aromatics*	ug/L	1.24	100	< 100	< 100	2,350
		LCS	LCSD			
Sample/QC Surrogate Acceptance Range		70 - 130%	70 - 130%	70 - 130%	70 - 130%	70 - 130%
Aliphatic Surrogate % Recovery - FID		86%	73%	101%	97%	108%
Aromatic Surrogate % Recovery - PID		90%	71%	105%	100%	123%
QC Spike Acceptance Range & RPD Limit		70 - 130%	70 - 130%	RPD=<25		
C5 - C8 Aliphatics* % Recovery		93%	87%	6.67		
C9 - C12 Aliphatics* % Recovery		82%	77%	6.28		
C9- C10 Aromatics* % Recovery		116%	107%	8.07		
* Option 1 = Establish fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCore TM)						
* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.						
MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank						

VPH rev. 05/03/18

Were all performance/acceptance standards for required QA/QC procedures achieved?
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?
YES (NO)

Were any significant modifications to the VPH method made?
(NO) YES - Details Attached

**J7 = Concentration exceeds the upper calibration range of the instrument.
The reported value should be considered **estimated**.

Reviewed By

[Signature]

8/9/18

Chain of Custody Record (COC)

**MERITECH, INC.****ENVIRONMENTAL LABORATORIES**

642 Tamco Rd. Phone: 336-342-4748

Reidsville NC 27320 Fax: 336-342-1522

Email: info@meritechlabs.com

www.meritechlabs.com

Client:

Address:

PEI PARAGON
Environmental Consultants, Inc.
P.O. Box 157
Thomasville, NC 27361
(336) 669-6037

NPDES#:

Phone:

Fax:

Email:

Project: Hickswood Rd. Pop-ShoppeP.O.#: P-1530Attention: Brandon Moore

How would you like your report sent?

Circle all that apply: Email (preferred), Fax, Mail

Turn Around Time*

*RUSH work needs prior approval,

Charges Apply

Std (10 days)

3 - 5 Days

24 - 48 Hrs

Lab Use Only

Person Taking Sample (Sign/Print):

Blair Moore / Brandon MooreComp?
Grab?# of
Cont.**Test(s) Required**On Ice?
Yes / NopH OK?
CI OK?

Sample Location and/or ID #

Sampling Dates & Times

Start

End

Date

Time

Date

Time

Monitor Well #1 @ 10'
(MW1-10)

1/3/20

10:05 AM

G

5

EPA Method 8260 + MTBE/IPE 20
VPH

Monitor Well #1A

(MW-1A)

1/5/20

3:35 PM

G

7

EPA Method 6200B + MTBE/IPE
Lead VPH

21

Trip Blank

VPH Blank

2

8260/6200B

2

VPH

RUSHMethod of
Shipment:

*** Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol and TKN samples must be done in the field prior to preservation. ***

Comments:

☐ UPS☐ Fed Ex☒ Hand Delivery☐ OtherAre these results for regulatory purposes? Yes ☒ No ☐Relinquished by: Blair MooreDate: 1/6/20 Time: 10:00Relinquished by: [Signature]Date: 1/6/20 Time: 1:30Relinquished by: [Signature]

Date: Time:

Report results in: mg/L ☐mg/kg ☒ug/L ☒water ☒Received by: [Signature]Date: 1/6/20 Time: 10:00Received by: [Signature]

Date: Time:

Received by Lab: Kim SmithDate: 1-6-20 Time: 1:30

Temperature Upon

Receipt: NA

Compositor #

Jug #

End of Email #16 with Attachment(s)

Email #17 with Attachment(s)

From: [Vesta Kennedy](#)
To: [Public Comment](#)
Subject: Re: double checking
Date: Thursday, January 14, 2021 10:18:39 AM

Good Morning Lisa

Yes, that's the one. It showed blue for me this morning, where yesterday it did not. Thank you so much for checking it!

Vesta

-----Original Message-----

From: Public Comment <publiccomment@highpointnc.gov>
To: Vesta Kennedy <rollovernclover@aol.com>; Public Comment <publiccomment@highpointnc.gov>
Sent: Thu, Jan 14, 2021 10:00 am
Subject: RE: double checking

Good morning, Vesta.

We have several emails that you sent on January 4th. **Can you provide the specific email that contains the NCDEQ link and the time of the email?**

The only email that contained a link was the one you sent on January 4, 2021 at 12:15 AM. It was a link to NCDENR. I did click on that link and it appears to be working.

If this is not the link that you were referring to, please provide the specific email containing the link and we will see if it is working.

Thank you.

Lisa

Lisa B. Vierling,
MMC



CITY OF HIGH POINT
City Clerk

211 S Hamilton, Room 320 | High Point, NC 27260
336.883.3536 | fax: 336.822.7067
lisa.vierling@highpointnc.gov | www.highpointnc.gov

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Please be aware that e-mail and attachments sent to and from this address are subject to the North Carolina Public Records Law and may be disclosed to third parties.

From: Vesta Kennedy <rollovernclover@aol.com>
Sent: Wednesday, January 13, 2021 8:05 PM

To: Public Comment <publiccomment@highpointnc.gov>

Subject: double checking

Dear Lisa Vierling or Mary Brooks,

Is the tool link working from NCDEQ that I sent on January 4th? I went in to use it tonight for myself and it was no longer working. I double checked it before and after I sent and it worked then.

This is very important that the mayor and council members have it at their disposal.

Thanks so much!

Vesta

End of Email #17 with Attachment(s)