



## PLANNING COMMISSION

December 14, 2023 at 4:00pm

City Council Chambers, 3<sup>rd</sup> Floor, 1737 Main Street, Columbia, SC 29201

### SITE PLAN REVIEW CASE SUMMARY 408 AND 436 BLOSSOM STREET, 519 HUGER STREET, AND 401 WILLIAMS STREET, TMS#08910-03-01, 08910-03-02A, 08910-03-02B, 08910-03-03, AND 08910-03-04 SUBTEXT ACQUISITIONS, LLC

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<b>Council District:</b>	3
<b>Proposal:</b>	Request site plan approval for the construction of a private dormitory
<b>Applicant:</b>	Bethany Rooney, Subtext Acquisitions, LLC
<b>Proposed Use:</b>	Private Dormitory
<b>Staff Recommendation:</b>	Approval with staff comments.

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**Detail:** This project is located in the block bounded by Blossom Street, Huger Street, Wheat Street, and Williams Street. The proposed development entails the construction of a ± 305,000 sq. ft., 4-story, private dormitory on 3.76 acres. The building consists of 233-units (700 beds), parking garage, and amenity space including a pool, sports court, and dog park.

Wheat Street will serve as the primary ingress/egress to the site and a right-in only will be provided along Huger Street. The required number of vehicular parking spaces for this development is 0 whereas the applicant proposes to provide 368. The required number of bicycle parking spaces for this development is 15 short term (1 for every 16 bedrooms) and 59 long term (1 for every 4 bedrooms) whereas the applicant is providing a total of 350 bicycle parking spaces. The applicant has provided a Traffic Impact Analysis that has been reviewed and approved by the Traffic Engineering.

Should the Commission be inclined to grant approval of the site plan, staff would request that the Commission grant approval subject staff comments.

#### CITY REVIEWING AGENCY COMMENTS

<b>Planning and Development Services</b>	<b>Recommend approval with conditions:</b> <ol style="list-style-type: none"><li>1. Proposed setbacks require an administrative adjustment. Please submit application for administrative adjustment.</li><li>2. All right-of-way improvements require SCDOT and City of Columbia Encroachment permits.</li><li>3. TMS#08910-03-01, 08910-03-02A, 08910-03-02B, 08910-03-03, and 08910-03-04 must be combined prior to the issuance of any permits.</li></ol>
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	<ol style="list-style-type: none"> <li>4. Corner of Blossom and Huger should reflect plans submitted to DDRC for review with pedestrian plaza; details to be worked out with staff per DDRC approval.</li> <li>5. Provide pedestrian entrance at Williams and Blossom gateway to comply with ground floor activity zone per UDO and Innovista master plan.</li> <li>6. Provide eight-foot width sidewalks on Williams Street and Huger Street.</li> <li>7. Provide shade trees along all rights-of-way; details to be coordinated with staff through encroachment process.</li> <li>8. Provide decorative street lighting to match Innovista district standard along all rights-of-way adjacent to development; details to be worked out with staff.</li> <li>9. Coordinate with the Comet on the relocation of the bus stop to ensure transit is accessible.</li> <li>10. Coordinate with staff on the removal and replacement (or relocation if necessary) of the wayfinding signage.</li> <li>11. As of January 1, 2023, City of Columbia has adopted the following building codes: - 2021 International Building Code (IBC) with SC Modifications - 2021 International Fire Code (IFC) with SC Modifications - 2021 International Plumbing Code (IPC) with SC Modifications - 2021 International Mechanical Code (IMC) with SC Modifications - 2021 International Fuel Gas Code (IFGC) with SC Modifications - 2020 National Electrical Code (NEC) with SC Modifications - 2009 International Energy Conservation Code (IECC) - ICC A117.1-2017 Accessible and Usable Buildings and Facilities All work must meet the above codes.</li> </ol>
<b>Utilities</b>	<p><b>Recommend approval with conditions:</b></p> <ol style="list-style-type: none"> <li>1. Any needed upgrade, extension or relocation of City utilities must be provided by the developer.</li> <li>2. Any privately owned/maintained utilities or permanent structures cannot be located inside City of Columbia utility easements.</li> <li>3. Water mains, sewer mains, water meters that are 4” or larger or any privately maintained utilities will not be allowed inside public right-of-ways or under sidewalks without an approved encroachment permit and written approval from the City Engineer. Coordination between the Civil Engineer, Architect and Mechanical Engineer to allow room for these utilities on the developed property is strongly encouraged.</li> <li>4. If sewer flows for this project result in flows of 4,000 gallons per day or above calculations must be submitted to the City's Engineering department to determine how the proposed project will affect the City's sewer system. Depending upon the effects of the projected flows this project may or may not be approved. If required, these calculations should be submitted to the Engineering department as soon as possible.</li> </ol>
<b>Traffic Engineering</b>	<p><b>Recommend approval with condition:</b></p> <ol style="list-style-type: none"> <li>1. The City of Columbia has underground street lighting circuits in this area, these will not be covered by 811 or a PUPS locate. To have the lines located, call our Electrical Supervisor at 803-545-3820. For existing lighting cut sheets and specifications for power stations please contact Traffic Engineering City of Columbia 803-545-3852</li> <li>2. Traffic impact study required and all recommendations from the traffic impact study must be implemented.</li> </ol>
<b>Forestry</b>	<p><b>Recommend approval with condition:</b></p> <ol style="list-style-type: none"> <li>1. If any new landscaping or irrigation is installed in the right of way, it must be approved by Forestry and Beautification for species and spacing and maintained by the adjacent property owner in a manner to not interfere with vehicular and pedestrian traffic. SCDOT must approve</li> </ol>

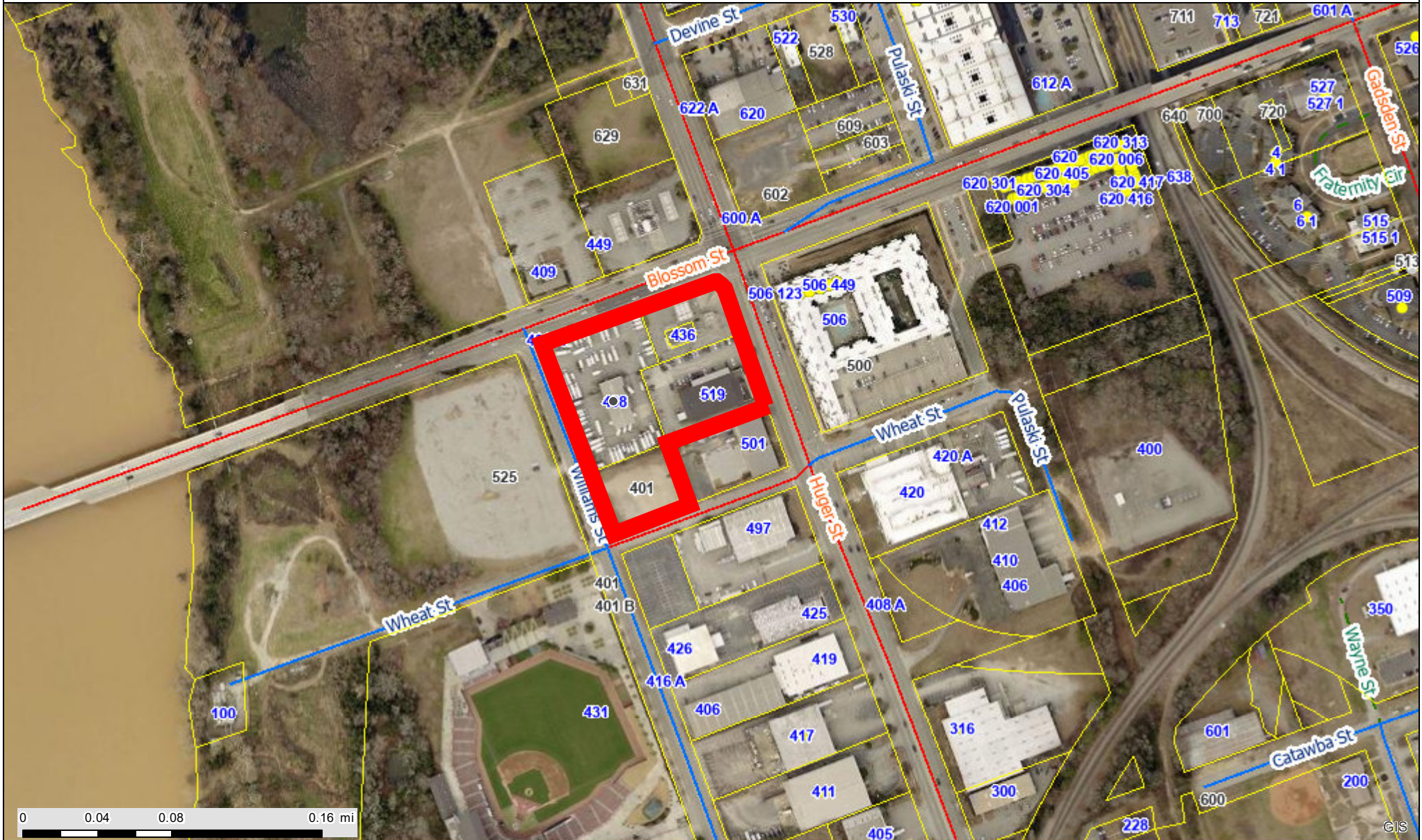
	any new landscaping installed along SCDOT roadways.
<b>Stormwater</b>	<b>Recommend approval with condition:</b> 1. Development must comply with all applicable land disturbance requirements.
<b>Parking Services</b>	<b>Recommend approval with condition:</b> 1. Any on-street parking space improvements related to this project maybe metered in the future.
<b>Street Division</b>	<b>Recommend approval.</b>
<b>Solid Waste</b>	<b>Recommend approval.</b>
<b>Fire Department</b>	<b>Recommend approval.</b>

# City of Columbia

## 408 Blossom Street



Tuesday, November 14, 2023



### CITY OF COLUMBIA GIS DATA DISCLAIMER

The City of Columbia GIS data represented on this map or plan is the product of compilation, as produced by others. It is provided for informational purposes only and the City of Columbia makes no representation as to its accuracy. Its use without field verification is at the sole risk of the user.



We Are Columbia



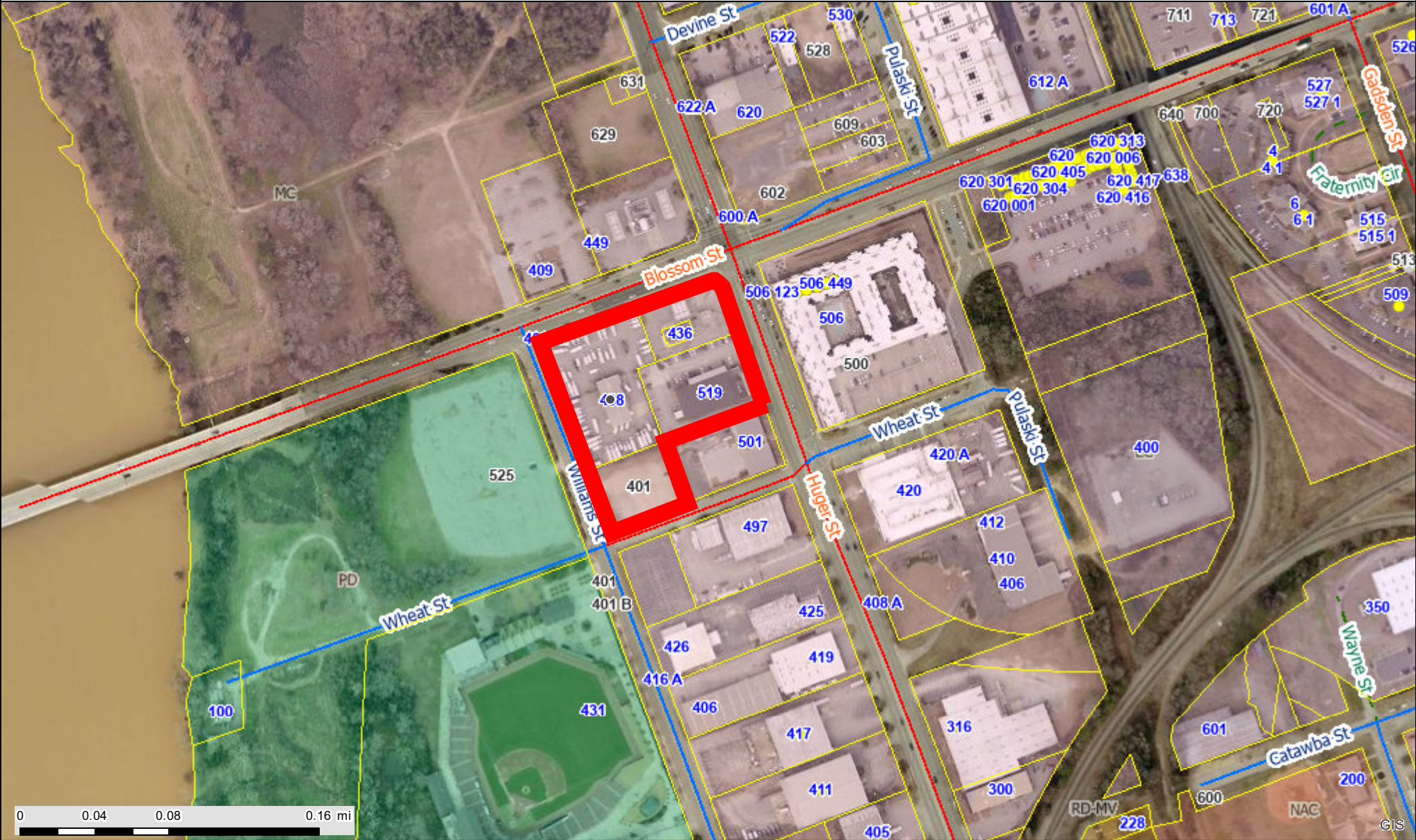
CITY OF COLUMBIA  
GIS DIVISION

# City of Columbia

## 408 Blossom Street



Tuesday, November 14, 2023



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# Site Plan

## Application and Checklist

### Checklist for All Applications

A complete site plan application shall include the following information. Please initial to signify that the requested information has been provided.

		Applicant Initials	Staff Initials
<b>A copy of this Application Checklist</b> , completed by the applicant.		BR	
<b>A completed and signed Application Form</b>		BR	
<b>Letters of Agency</b> for all applications where the applicant is not the owner of the subject property		BR	
<b>Payment</b> of the required fee (see Unified Development Ordinance Fee Schedule)		BR	
<b>Existing Site Plan</b> Please see below for required content.	1 copy: min. 18 x 24 inches or 1 digital copy (pdf format)	BR	
<b>Proposed Site Plan</b> Please see below for required content.	1 copy: min. 18 x 24 inches or 1 digital copy (pdf format)	BR	
<b>Building Elevations and Floor Plans</b> Please see below for required content.	1 copy: min. 18 x 24 inches or 1 digital copy (pdf format)	BR	
<b>Parking Plan</b> Required if project proposes more than ten off-street parking spaces. Please see below for required content.	1 copy: min. 18 x 24 inches or 1 digital copy (pdf format)	BR	
<b>Landscape Plan</b> Please see below for required content.	1 copy: min. 18 x 24 inches or 1 digital copy (pdf format)	BR	
<b>Green Building Standards Checklist</b>	1 digital copy (pdf format)	BR	



# Site Plan

## Application and Checklist

### 1. Applicant Information

Name <b>Bethany Rooney</b>	
Company (if applicable) <b>Subtext Acquisitions, LLC</b>	
Address (street, city, state, zip) <b>3000 Locust Street, St. Louis, MO 63103</b>	
Phone <b>(205) 267-8099</b>	Email <b>brooney@subtextliving.com</b>

### 2. Property Information

Address <b>408 &amp; 436 Blossom Street, 519 Huger Street, and 401 Wheat Street</b>		
Tax Map Reference Number(s) <b>R08910-03-01, R08910-03-02A, R08910-03-03, R08910-03-04</b>		
Current use <b>Commercial</b>	Proposed use <b>Private Dormitory</b>	
Current zoning <b>MC</b>	Number of lots or units <b>4</b>	Total square feet <b>167,270</b>

### 3. Property Status

Pursuant to S.C. Code § 6-29-1145, is this tract or parcel restricted by any recorded covenant that is contrary to, conflicts with, or prohibits the activity described in this permit?  Yes  No

### 4. Property Ownership

Does the applicant own the property?  Yes  No

If the applicant does not own the property, complete the **Letter of Agency** for each property owner that authorizes the applicant to submit this application on the property owner's behalf.

<i>For staff use only</i>	
Date received (M/D/Y): _____/_____/_____	By: _____



# Letter of Agency

## Application Supplement

**TO: Planning and Development Services, City of Columbia**

I, the undersigned property owner, do hereby attest that I am the person that holds, or I am authorized on behalf of the party that holds, fee simple interest in the following parcel(s):

Common Street Address	
408 & 426 Blossom Street, 519 Huger Street, and 401 Wheat Street, Columbia, SC 29201	
Tax Map Reference Numbers	08910-03-01 08910-03-02A 08910-03-02B 08910-03-03 08910-03-04

Further, I hereby authorize the persons and/or entities listed as AUTHORIZED AGENT(S) below to act on my behalf for the purpose of submitting documents, amending documents, meeting with staff, attending public meetings and hearings, and as otherwise may be necessary and proper to fulfill the required steps to request the following:

- ~~1. Variance, Special Exception, and/or Administrative Appeal (Board of Zoning Appeals)~~
- ~~2. Zoning Map Amendment (Planning Commission and City Council, if applicable)~~
- 3. Site Plan Review (Planning Commission or D/DRC)
- 4. Design Review (D/DRC)
- ~~5. Minor Subdivision (Staff)~~
- ~~6. Major Subdivision (Planning Commission)~~
- ~~7. Encroachment (Staff and City Council, if applicable)~~
- ~~8. Street Naming/Renaming (Planning Commission)~~

***\*\*Please strike-through and initial any of the above-listed steps that do not fall under the scope of this Letter of Agency***

[signatures on following page]



# Letter of Agency

## Application Supplement

### Property Owner

Signature <i>CUCF, MANAGER</i>		Date 11/6/23
Print Name of Property Owner Guignard Associates, LLC		
Address (street, city, name, zip) PO Box 50909 Columbia, SC 29250		
Email of Property Owner cthompson@thompsonsc.com		Phone 803-254-2125
Signature of Witness <i>Elizabeth B. Turner</i>		Date 11/6/23
Print Name of Witness Elizabeth B. Turner		

### Authorized Agent

Signature <i>BR</i>		Date 11/04/23
Print Name Bethany Rooney		
Address (street, city, name, zip) 3000 Locust Street St. Louis, MO 63103		
Email of Authorized Agent brooney@subtextliving.com		Phone 205-267-8099



# Site Plan

## Application and Checklist

### 5. Type of Site Plan

Please identify the type of site plan:

Minor <input type="checkbox"/>	Major <input checked="" type="checkbox"/>
Development of: <ul style="list-style-type: none"> <li>• Accessory uses and structures</li> <li>• Multi-family development with 25 or fewer dwelling units</li> <li>• Non-residential development of less than 100,000 square feet</li> </ul>	All development that does not qualify for a minor site plan

### 6. Project Description

Provide a brief description of the project.

Verve Columbia will provide an urban scale building with sidewalks to encourage walkability. The streetscape will be enlivened with active uses and amenities along Blossom Street and Williams Street. Generous storefront glazing, architectural details, texture and masonry at the first level of the building are designed to connect the building to the street and add visual interest. Blossom Street, Huger Street and Williams Street are lined with stooped residential entries, breaking up the visual streetscape and creating a more intimate connection between the residences and the community. The 4-story residential building with parking deck will include a mix of studio, 1-bedroom, 2-bedroom, 3-bedroom, 4-bedroom, and 5-bedroom units. (233 units / 700 bedrooms / 368 parking spaces / 350 bicycle parking/storage spaces) Open spaces include pool & associated amenities, sport court, and public/private dog park. Primary ingress/egress on Wheat Street / Secondary ingress (right-in only) on Huger Street. Street protective yard landscaping and streetscape. Utility services.



# Site Plan

## Application and Checklist

### 7. Additional Submission Requirements

#### Existing Site Plan

This shall be a site plan of the existing conditions or a plat of survey with improvements shown, to scale and fully dimensioned.

#### Proposed Site Plan

The proposed site plan shall be prepared to scale and fully dimensioned, and include the following:

	Applicant	Staff
Total acreage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of lots and outlets (numbered and area in square feet)	n/a	<input type="checkbox"/>
Location of buildings (including setbacks from property lines and distances between buildings)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of parking and access/driveways	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of rights-of-way and/or easements for streets, railroads, and utility	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lines upon and abutting subject property	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of streets, alleys, railroads, and utility lines upon and abutting subject property	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of lakes, rivers, streams, swamps/wetlands, other bodies of water, and 100-year floodplains and floodway	n/a	<input type="checkbox"/>
Location of open space	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of signage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location and height of all fences, walls, and exterior lighting	x	
Statement/chart of the intensity of development (number and size of dwelling units by unit type for residential and/or gross floor area by building and use for nonresidential)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Topography by contours (at vertical intervals of not more than 5 feet) (Finish Floor Elevations)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stamp of registered surveyor, engineer, and/or architect	<input checked="" type="checkbox"/>	<input type="checkbox"/>
North arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scale	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vicinity map (at 1 inch equals 1,000 feet)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Building Elevations and Floor Plans

	Applicant	Staff
Please attach building elevations and floor plans.	<input checked="" type="checkbox"/>	<input type="checkbox"/>



# Site Plan

## Application and Checklist

### Parking Plan

If required, the parking plan shall be prepared to scale and fully dimensioned, and include the following:

	Applicant	Staff
Location of parking and access/driveways	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimensions of all parking spaces, aisle widths, driveways, and curb cuts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Statement/chart of required parking spaces and number of parking spaces provided, including accessible parking spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pedestrian and bicycle circulation through the off-street parking areas and their connections to the circulation system for the development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transit facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Connections to transit facilities within, abutting, or near the development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Statement/chart of required bicycle parking and number of bicycle parking spaces provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location and design of bicycle parking	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vehicle stacking distances	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Landscaping Plan


If required, the landscaping plan shall be prepared to scale and fully dimensioned, and include the following:

	Applicant	Staff
All utility (water, sewer, gas, elec.) location(s) including street and parking lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location of all trees being preserved (scaled symbol(s) and labeled as existing with size & species)	n/a	<input type="checkbox"/>
Location of any street trees within right-of-way (scaled and properly labeled);	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Existing and/or proposed landscaping to meet the landscape and tree ordinance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prepared by a registered landscape architect (for sites larger than one acre)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Green Building Standards

	Applicant	Staff
Please attach Green Building Standards Checklist with anticipated points earned	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 8. Signature

Signature of Applicant	
	
Print Name	Date
Bethany Rooney	11/12/23

# VERVE COLUMBIA

408 BLOSSOM STREET COLUMBIA, SC 29201

A DEVELOPMENT FOR  
SUBTEXT



\*\* ABOVE RENDERING IS FOR ILLUSTRATION PURPOSES ONLY

## CITY SITE PLAN REVIEW 11/10/2023



**PROJECT INFORMATION**

**PROJECT DESCRIPTION:**

THE PROJECT INCLUDES 233 "FOR RENT" STUDENT HOUSING UNITS COMPRISING OF 700 BEDS ON AN APPROXIMATELY 3.8 ACRE SITE IN COLUMBIA, SC. THE BUILDING WILL CONSIST OF 4 LEVELS OF TYPE V WOOD FRAMED CONSTRUCTION WITH A FULL NFPA 13 SYSTEM, AND WILL INCLUDE A PRECAST PARKING DECK OF TYPE II-B CONSTRUCTION. THERE WILL BE APPROXIMATELY 14,800 SF OF INTERIOR AMENITY SPACE INCLUDING FITNESS, CLUBROOM, COWORKING/STUDY LOUNGE, MAIL/PACKAGE ROOMS, DOG SPA, AND LEASING OFFICE. ADDITIONAL GROUND LEVEL AMENITIES INCLUDE A POOL COURTYARD, AND A SPORT COURT.

THE DRAWINGS FOR THIS PROJECT ARE THE PROPERTY OF DYNAMIK DESIGN. COPIES OF THE DRAWINGS MAY BE USED ONLY BY THE OWNER TO CONSTRUCT AND OCCUPY THIS PROJECT. NEITHER THE DRAWINGS NOR THE DESIGN INDICATED ON THE DRAWINGS MAY BE REPRODUCED NOR USED FOR ANY OTHER PROJECT OR PURPOSE. DYNAMIK DESIGN ACCEPTS RESPONSIBILITY ONLY FOR THOSE DRAWINGS WHICH HAVE AN ORIGINAL SEAL, SIGNATURE, CONSTRUCTION ISSUE DATE AND DATE OF FINAL REVISIONS.

**APPLICABLE CODES**

THIS PROJECT SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES (INCLUDING LOCAL AMENDMENTS):

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL FIRE CODE
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE
- 2017 ICC/ANSI ACCESSIBLE & USABLE BUILDINGS
- 2012 NFPA 1 FIRE PREVENTION CODE
- 2010 NFPA 13 INSTALLATION OF SPRINKLER SYSTEMS
- 2021 INTERNATIONAL FUEL GAS CODE
- 2020 NFPA 70 NATIONAL ELECTRICAL CODE
- 2010 NFPA 72 NATIONAL FIRE ALARM & SIGNALING CODE
- 2000 NFPA 101 LIFE SAFETY CODE

**TEAM MEMBERS**

**CLIENT**  
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300 LOCUST STREET  
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D: 314.328.6420  
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brooney@subtextliving.com

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thouston@marycook.com

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D: 864.229.5211  
WILL VALENTINE  
wbalentine@davisfloyd.com

**SHEET INDEX**

NO.	DESCRIPTION
CS-01	COVER SHEET
SP-01	ARCHITECTURAL SITE PLAN
SP-02	SIGNAGE SITE PLAN
C010	EXISTING CONDITIONS PLAN
C200	SITE PLAN
C300	GRADING AND DRAINAGE PLAN
C400	UTILITY PLAN
L501	STREETSCAPE PLAN
L510	STREETSCAPE DETAILS
L521	PLANTING PLAN
A1-01	OVERALL PLAN - LEVEL 01
A1-02	OVERALL PLAN - LEVEL 02
A1-03	OVERALL PLAN - LEVEL 03
A1-04	OVERALL PLAN - LEVEL 04
A2-00	OVERALL PLAN - ROOF
A4-01	OVERALL BUILDING ELEVATIONS
A4-02	OVERALL BUILDING ELEVATIONS
A4-03	ENLARGED BUILDING ELEVATIONS
A4-04	ENLARGED BUILDING ELEVATIONS
A4-05	ENLARGED BUILDING ELEVATIONS
A4-06	ENLARGED BUILDING ELEVATIONS

**DYNAMIK DESIGN**

5901 PEACHTREE DUNWOODY RD.  
BUILDING C, SUITE 250  
ATLANTA, GA 30328  
TELEPHONE: 678-506-8830  
DYNAMIKDESIGN.COM

CONSULTANT:

SEAL:

PROJECT NUMBER: SBT2023-01

VERVE COLUMBIA

CLIENT: subtext

408 BLOSSOM STREET  
COLUMBIA, SC 29201

300 LOCUST STREET  
ST. LOUIS, MO 63103

△	DRAWING RELEASE	DATE
	50% SCHEMATIC DESIGN	10/20/2023
	CITY SITE PLAN REVIEW	11/10/2023

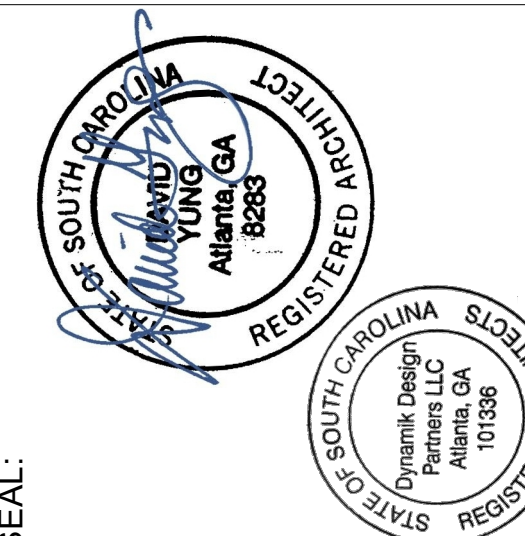
TITLE: COVER SHEET

SHEET NUMBER: CS-01

© COPYRIGHT 2023 DYNAMIK DESIGN

\*INDICATES CONSULTANT IS NOT UNDER A CONTRACT WITH DYNAMIK DESIGN

CONSULTANT:



SEAL:

408 BLOSSOM STREET  
 COLUMBIA, SC 29201

300 LOCUST STREET  
 ST. LOUIS, MO 63103

PROJECT NUMBER: SBT2023-01

VERVE COLUMBIA

CLIENT:

subtext

DRAWING RELEASE DATE  
 CITY SITE PLAN REVIEW 11/10/2023

TITLE:  
**ARCHITECTURAL  
 SITE PLAN**

SHEET NUMBER:

**SP-01**

## SITE LEGEND

- PROPERTY LINE
- BUILDING SETBACK
- FINISHED FLOOR OR GRADE ELEVATION
- T** TRANSFORMER
- ➔** BUILDING ENTRANCE
- BUILDING ENTRANCE

## SITE DATA

- ADDRESS** 408 BLOSSOM STREET  
COLUMBIA, SC 29201
- SITE AREA** ~ 3.78 ACRES (164,674 SF)
- ZONING**  
 EXISTING ZONING: MC  
 PROPOSED ZONING: MC  
 ZONING JURISDICTION: CITY OF COLUMBIA
- DENSITY SUMMARY**  
 TOTAL MULTI-FAMILY UNITS: 233 UNITS  
 SITE DENSITY PROVIDED: 62 UNITS/ACRE
- PARKING SUMMARY**

PARKING USE	PARKING REQUIRED (RATIO)	PARKING PROVIDED
MULTIFAMILY	350 SPACES (1.02BR)	368 SPACES
<b>TOTAL</b>	<b>350 SPACES</b>	<b>368 SPACES</b>

**PARKING TYPE SUMMARY**

GARAGE	STANDARD	COMPACT	EV (LEVEL 2 CHARGING STATION)	STANDARD HC	VAN ACCESSIBLE HC	SUB-TOTAL
	341 SPACES	0 SPACES	19 SPACES	8 SPACES	0 SPACES	368 SPACES
<b>TOTAL:</b>	<b>368 SPACES</b>					
- BIKE PARKING SUMMARY**

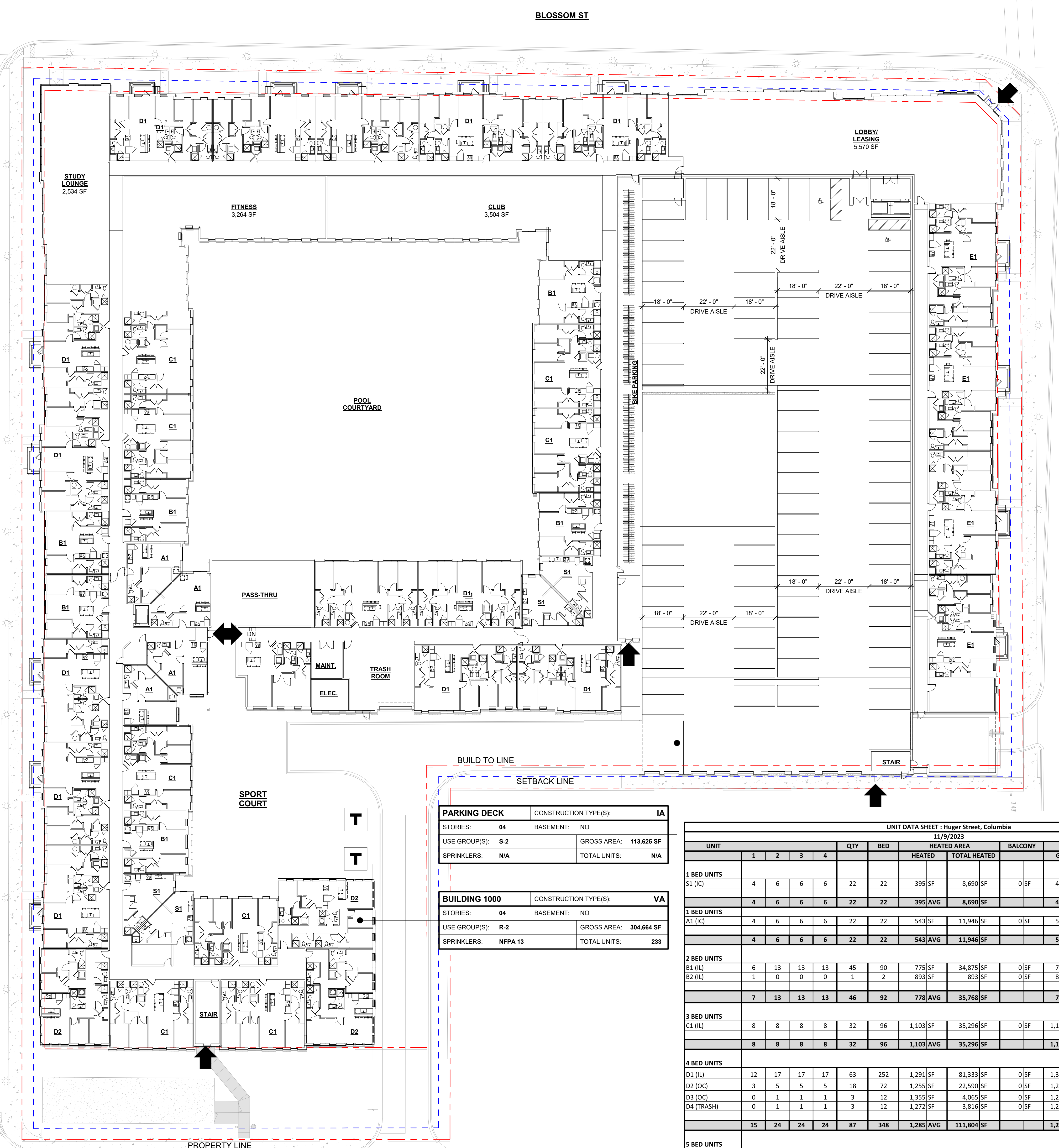
PARKING USE	PARKING REQUIRED (RATIO)	PARKING PROVIDED
MULTIFAMILY	350 SPACES (1.02BR)	350 SPACES
<b>TOTAL</b>	<b>350 SPACES</b>	<b>350 SPACES</b>
- PROPERTY SETBACKS**  
 PARCEL X  
 FRONT YARD SETBACK: 5 FEET  
 SIDE YARD SETBACK: 10 FEET  
 SIDE YARD SETBACK: 5 FEET  
 REAR YARD SETBACK: 40 FEET

## BUILDING DATA

GROSS FLOOR AREA	
LEVEL 01	75,485 SF BUILDING 1000
LEVEL 02	76,400 SF BUILDING 1000
LEVEL 03	76,400 SF BUILDING 1000
LEVEL 04	76,400 SF BUILDING 1000
BUILDING 1000	304,684 SF
LEVEL 01	31,013 SF PARKING DECK
LEVEL 02	31,013 SF PARKING DECK
LEVEL 03	31,013 SF PARKING DECK
LEVEL 04	20,588 SF PARKING DECK
PARKING DECK	113,625 SF
<b>TOTAL GFA</b>	<b>418,289 SF</b>

## GREEN BUILDING STANDARDS

GREEN BUILDING ACTIVITY	LOCATION	POINTS EARNED
DEVELOPMENT ON PREVIOUSLY USED OR DEVELOPED LAND THAT IS CONTAMINATED WITH WASTE OR POLLUTION (BROWNFIELD SITE) DESIGN SOLUTION: THE SITE IS CURRENTLY OCCUPIED BY AN ACTIVE GAS STATION (436 BLOSSOM STREET), WITH PREVIOUS LEAKING OF UNDERGROUND STORAGE TANK (UST) TO BE KNOWN.		1
INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE DWELLING UNITS IN A SUBDIVISION. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING. INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE BUILDINGS IN A MULTI-BUILDING DEVELOPMENT. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE DWELLING. COOL ROOFS SHALL HAVE A SOLAR REFLECTANCE INDEX OF 78 FOR FLAT ROOFS OR 29 FOR ROOFS WITH A SLOPE GREATER THAN 2:12. DESIGN SOLUTION: TPO MEMBRANE WITH A SOLAR REFLECTANCE INDEX OF 78 FOR FLAT ROOFS WILL BE USED. SEE A2-00 FOR ROOF PLAN.		1.5
ORIENT A MINIMUM OF 25 PERCENT OF RESIDENTIAL DWELLING UNITS OR LOTS IN THE DEVELOPMENT WITHIN 20 PERCENT OF THE EAST-WEST AXIS FOR MAXIMUM PASSIVE SOLAR EXPOSURE DESIGN SOLUTION: 125 UNITS ORIENTED EAST-WEST DIVIDED BY 233 TOTAL UNITS EQUAL 54%, WHICH IS GREATER THAN THE MINIMUM OF 25 PERCENT.		0.75
PROVIDE A MINIMUM OF FIVE PERCENT OF REQUIRED AUTOMOBILE PARKING SPACES THAT ARE ASSIGNED AND RESERVED FOR HYBRID/ELECTRIC/LOW ENERGY VEHICLES IN PREFERRED LOCATIONS NEAR THE PRIMARY BUILDING DESIGN SOLUTION: 5% OF THE TOTAL 368 PARKING SPACES EQUALS 19 EV PARKING SPACES TO BE PROVIDED. SEE SP-01 FOR PARKING SUMMARY. NOTED ON A1-01.		0.25
PROVIDE AN ELECTRIC VEHICLE (EV) LEVEL 2 CHARGING STATION THAT IS MADE AVAILABLE TO THOSE USING THE BUILDING DESIGN SOLUTION: LEVEL 2 CHARGING STATION TO BE PROVIDED. SEE NOTE IN PARKING SUMMARY ON SP-01.		0.25
<b>TOTALS</b>		<b>4.25</b>



PARKING DECK		CONSTRUCTION TYPE(S): IA	
STORIES:	04	BASEMENT:	NO
USE GROUP(S):	S-2	GROSS AREA:	113,625 SF
SPRINKLERS:	N/A	TOTAL UNITS:	N/A

BUILDING 1000		CONSTRUCTION TYPE(S): VA	
STORIES:	04	BASEMENT:	NO
USE GROUP(S):	R-2	GROSS AREA:	304,684 SF
SPRINKLERS:	NFPA 13	TOTAL UNITS:	233

UNIT DATA SHEET : Huguer Street, Columbia 11/9/2023												
UNIT	QTY				BED	HEATED AREA		BALCONY	GROSS AREA		MIX PERCENTAGE	
	1	2	3	4		HEATED	TOTAL HEATED		GROSS	TOTAL GROSS		GOAL
<b>1 BED UNITS</b>												
S1 (IC)	4	6	6	6	22	22	395 SF	8,690 SF	0 SF	432 SF	9,504 SF	9.44%
	4	6	6	6	22	22	395	8,690	0	432	9,504	10.00%
<b>1 BED UNITS</b>												
A1 (IC)	4	6	6	6	22	22	543 SF	11,946 SF	0 SF	543 SF	11,946 SF	9.44%
	4	6	6	6	22	22	543	11,946	0	543	11,946	10.00%
<b>2 BED UNITS</b>												
B1 (IL)	6	13	13	13	45	90	775 SF	34,875 SF	0 SF	775 SF	34,875 SF	19.31%
B2 (IL)	1	0	0	0	1	2	893 SF	893 SF	0 SF	893 SF	893 SF	0.43%
	7	13	13	13	46	92	778	35,768	0	778	35,768	20.00%
<b>3 BED UNITS</b>												
C1 (IL)	8	8	8	8	32	96	1,103 SF	35,296 SF	0 SF	1,103 SF	35,296 SF	13.73%
	8	8	8	8	32	96	1,103	35,296	0	1,103	35,296	14.00%
<b>4 BED UNITS</b>												
D1 (IL)	12	17	17	17	63	252	1,291 SF	81,333 SF	0 SF	1,316 SF	82,908 SF	27.04%
D2 (OC)	3	5	5	5	18	72	1,255 SF	22,590 SF	0 SF	1,255 SF	22,590 SF	7.73%
D3 (OC)	0	1	1	1	3	12	1,355 SF	4,065 SF	0 SF	1,255 SF	3,765 SF	1.29%
D4 (TRASH)	0	1	1	1	3	12	1,272 SF	3,816 SF	0 SF	1,255 SF	3,765 SF	1.29%
	15	24	24	24	87	348	1,285	111,804	0	1,299	113,028	36.00%
<b>5 BED UNITS</b>												
E1 (IL)	6	6	6	6	24	120	1,583 SF	37,992 SF	0 SF	1,583 SF	37,992 SF	10.30%
	6	6	6	6	24	120	1,583	37,992	0	1,583	37,992	10.00%
<b>TOTALS</b>	44	63	63	63	233	700	1,036	241,496	0	1,045	243,534	100.00%





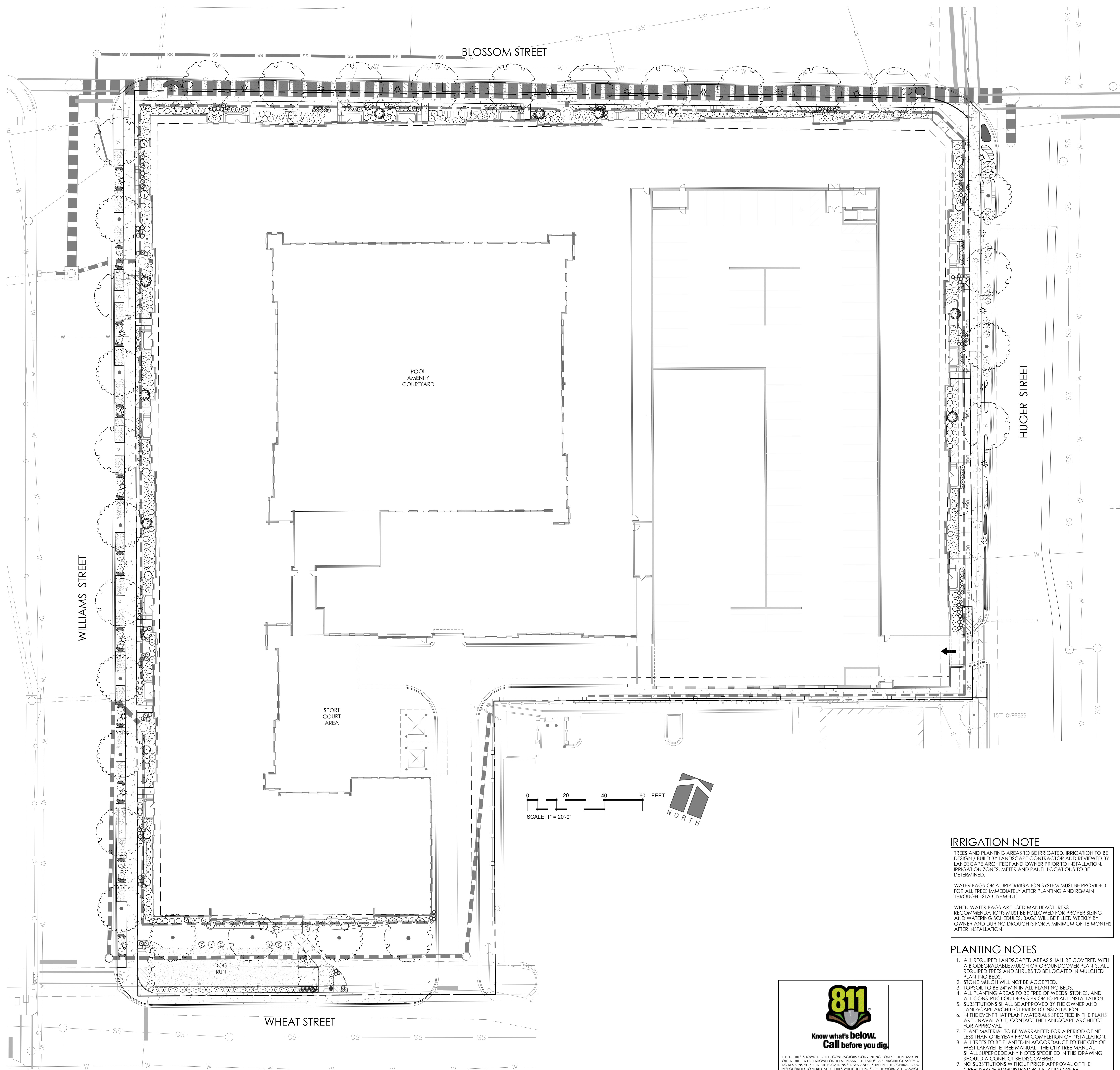












PLANT KEY		
SYMBOL	CODE	COMMON NAME
<b>TREES</b>		
	TS	Emerald Green Arborvitae
	IAF	Foster No. 2 Holly
	GB	Sky Tower™ Maidenhair Tree
<b>SHRUBS</b>		
	FB	Blue Mist Dwarf Fothergilla
	ICC	Carissa Chinese Holly
	LJ	Curly Leaf Ligustrum
	DM	Distylium
	IB	Dwarf Burford Holly
	AF	Formosa Indica Azalea
	PH	Hamelin Fountain Grass
	TM	Hicks Yew
	AK	Kaleidoscope Glossy Abelia
	CA	Karl Foerster Feather Reed Grass
	IS2	Little Henry® Sweetspire
	AG	Mrs. G.G. Gerbing Azalea
	HW	Oakleaf Hydrangea
	LR	Ruby Loropetalum
	IG	Shamrock Inkberry Holly
<b>SHRUB AREAS</b>		
	RF	Black Eyed Susan
	IV	Blue Flag Iris
	PH2	Heavy Metal Switch Grass
<b>GROUND COVERS</b>		
	LG	Evergreen Giant Lilyturf

PLANT SCHEDULE						
CODE	COMMON NAME	CAL.	SIZE	CONT.	QTY	
<b>TREES</b>						
GB	Sky Tower™ Maidenhair Tree	2' Cal.	10' Min Height	B&B		2
IAF	Foster No. 2 Holly	-	6-8' Height	B&B		8
TS	Emerald Green Arborvitae	-	6' Min. Height	B&B		17
<b>SHRUBS</b>						
AK	Kaleidoscope Glossy Abelia	3 Gal.				62
AF	Formosa Indica Azalea	3 Gal.				44
AG	Mrs. G.G. Gerbing Azalea	3 Gal.				26
CA	Karl Foerster Feather Reed Grass	1 Gal.				49
DM	Distylium	3 Gal.				84
FB	Blue Mist Dwarf Fothergilla	3 Gal.				31
HW	Oakleaf Hydrangea	3 Gal.				13
ICC	Carissa Chinese Holly	3 Gal.				43
IB	Dwarf Burford Holly	3 Gal.				32
IG	Shamrock Inkberry Holly	3 Gal.				24
IS2	Little Henry® Sweetspire	3 Gal.				15
LJ	Curly Leaf Ligustrum	3 Gal.				43
LR	Ruby Loropetalum	3 Gal.				47
PH	Hamelin Fountain Grass	1 Gal.				86
TM	Hicks Yew	3 Gal.				17
<b>SHRUB AREAS</b>						
IV	Blue Flag Iris	1 Gal.	Native		24" o.c.	200
PH2	Heavy Metal Switch Grass	1 Gal.	Native		42" o.c.	16
RF	Black Eyed Susan	1 Gal.	Native		36" o.c.	54
<b>GROUND COVERS</b>						
LG	Evergreen Giant Lilyturf	1 GAL.			12" o.c.	204

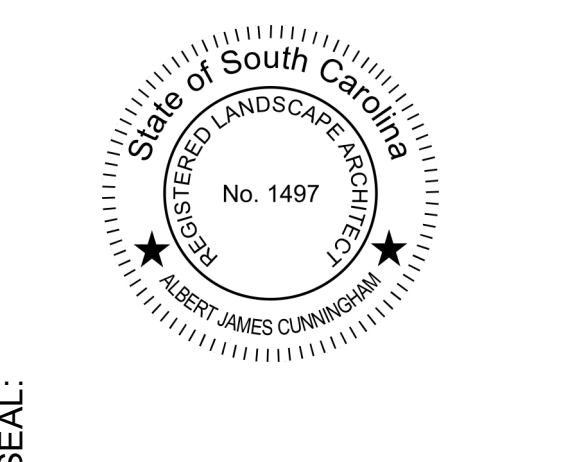
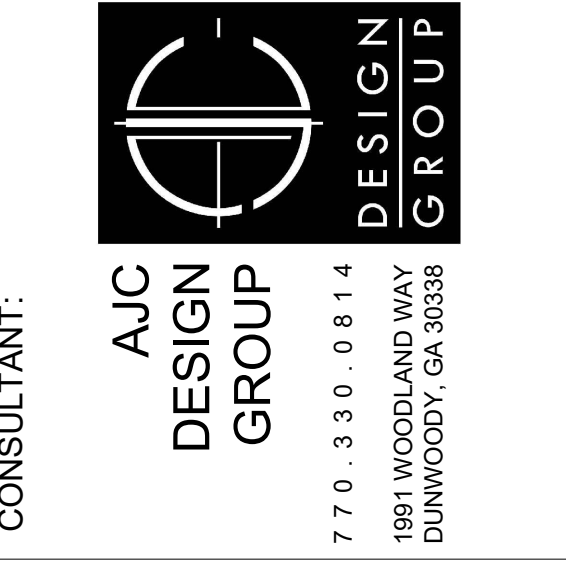
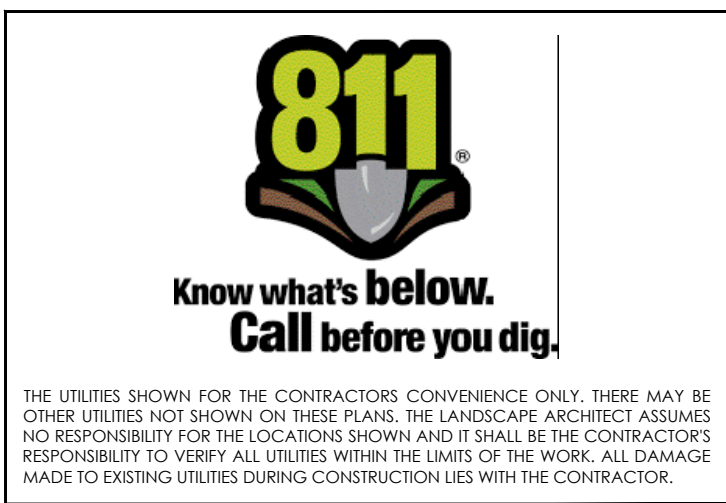
**IRRIGATION NOTE**

TREES AND PLANTING AREAS TO BE IRRIGATED. IRRIGATION TO BE DESIGN / BUILD BY LANDSCAPE CONTRACTOR AND REVIEWED BY LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION. IRRIGATION ZONES, METER AND PANEL LOCATIONS TO BE DETERMINED.

WATER BAGS OR A DRIP IRRIGATION SYSTEM MUST BE PROVIDED FOR ALL TREES IMMEDIATELY AFTER PLANTING AND REMAIN THROUGH ESTABLISHMENT.

WHEN WATER BAGS ARE USED MANUFACTURERS RECOMMENDATIONS MUST BE FOLLOWED FOR PROPER SIZING AND WATERING SCHEDULES. BAGS WILL BE FILLED WEEKLY BY OWNER AND DURING DROUGHTS FOR A MINIMUM OF 18 MONTHS AFTER INSTALLATION.

- PLANTING NOTES**
- ALL REQUIRED LANDSCAPED AREAS SHALL BE COVERED WITH A BIODEGRADABLE MULCH OR GROUND COVER PLANTS. ALL REQUIRED TREES AND SHRUBS TO BE LOCATED IN MULCHED PLANTING BEDS.
  - STONE MULCH WILL NOT BE ACCEPTED.
  - TOPSOIL TO BE 24" MIN IN ALL PLANTING BEDS.
  - ALL PLANTING AREAS TO BE FREE OF WEEDS, STONES, AND ALL CONSTRUCTION DEBRIS PRIOR TO PLANT INSTALLATION.
  - SUBSTITUTIONS SHALL BE APPROVED BY THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  - IN THE EVENT THAT PLANT MATERIALS SPECIFIED IN THE PLANS ARE UNAVAILABLE, CONTACT THE LANDSCAPE ARCHITECT FOR APPROVAL.
  - PLANT MATERIAL TO BE WARRANTED FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM COMPLETION OF INSTALLATION.
  - ALL TREES TO BE PLANTED IN ACCORDANCE TO THE CITY OF WEST LAFAYETTE TREE MANUAL. THE CITY TREE MANUAL SHALL SUPERCEDE ANY NOTES SPECIFIED IN THIS DRAWING SHOULD A CONFLICT BE DISCOVERED.
  - NO SUBSTITUTIONS WITHOUT PRIOR APPROVAL OF THE GREENSPACE ADMINISTRATOR, LA, AND OWNER.



CONSULTANT: A/C DESIGN GROUP

PROJECT NUMBER: SBT2023-01

VERVE COLUMBIA

CLIENT: subtext

408 BLOSSOM STREET  
COLUMBIA, SC 29201

3000 LOCUST STREET  
ST. LOUIS, MO 63103

△	DRAWING RELEASE	DATE
A	CITY SITE PLAN REVIEW	11/10/2023

TITLE: **PLANTING PLAN**

SHEET NUMBER: **L521**

© 2023 DYNAMIK DESIGN











EXTERIOR FINISHES			
TAG	DESCRIPTION	MANUFACTURER	COLOR/FINISH
DIVISION 04			
BR-1	BRICK VENEER	CHEROKEE OR EQ.	GRAY
BR-2	BRICK VENEER	CHEROKEE OR EQ.	RED
DIVISION 05			
MR-1	METAL RAILING	STERLING DULA OR EQ.	BLACK
ST-1	STEEL LINTEL	STERLING DULA OR EQ.	DARK BRONZE, PAINTED
DIVISION 07			
CP-1	CEMENTITIOUS PANEL	JAMES HARDIE OR EQ.	GRAY
CP-2	CEMENTITIOUS PANEL	JAMES HARDIE OR EQ.	DARK GRAY
CT-1	CEMENTITIOUS TRIM	JAMES HARDIE OR EQ.	DARK GRAY
MP-1	CORRUGATED METAL PANEL	AEP SPAN	GRAY
DIVISION 08			
SF-1	ALUMINUM STOREFRONT	YKK OR EQ.	DARK BRONZE ANODIZED
VW-1	VINYL WINDOW	QUAKER V300	MATTE BLACK

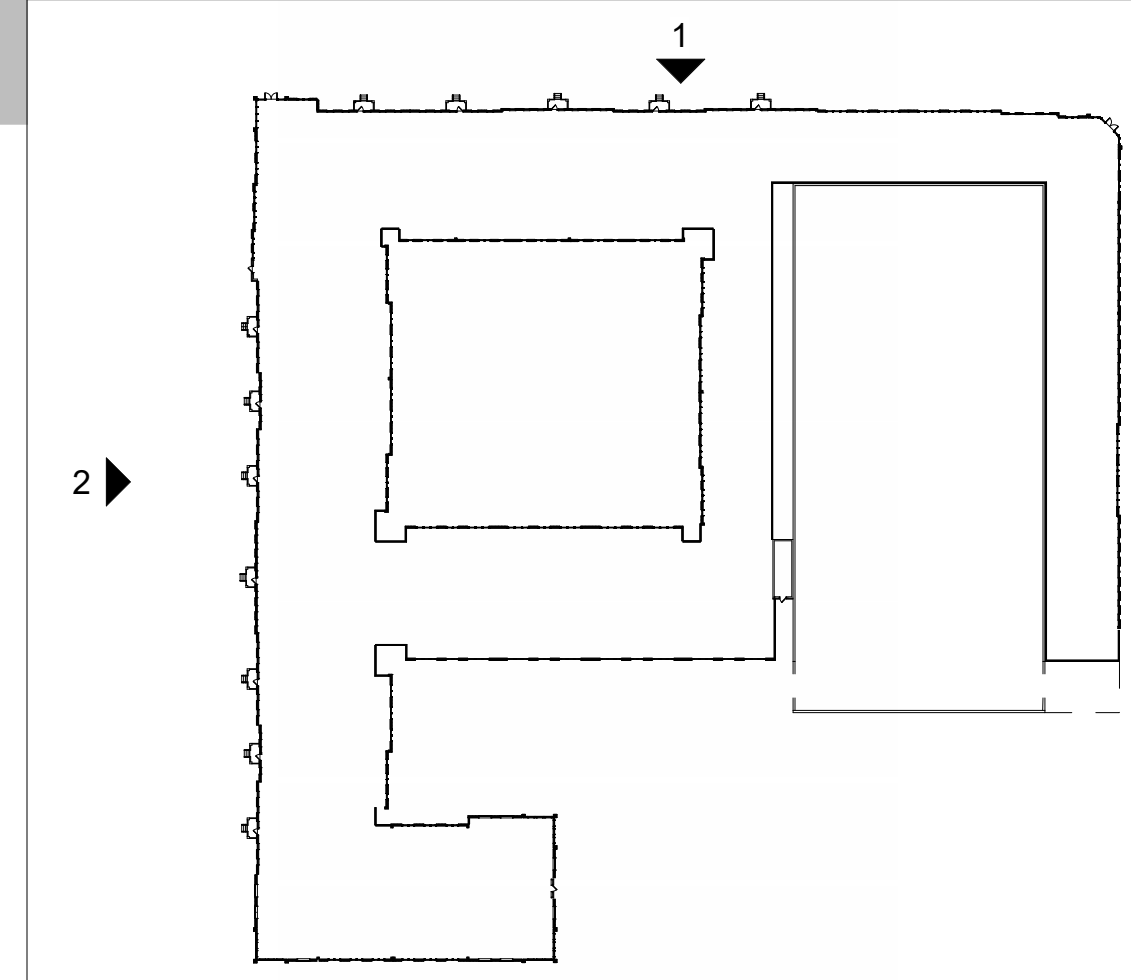


2 WEST ELEVATION  
SCALE: 1/16" = 1'-0"



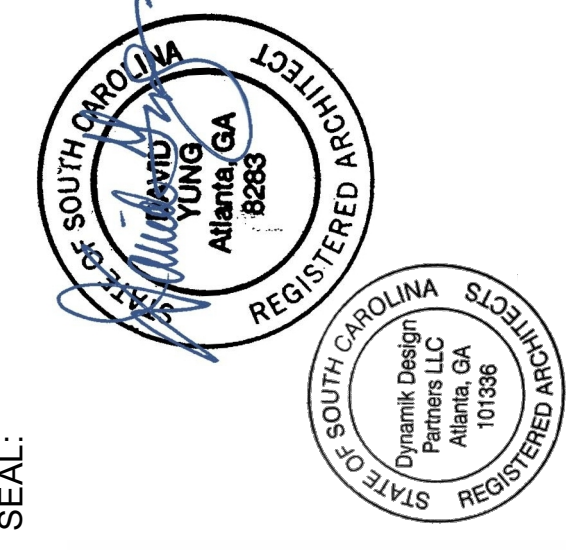
1 NORTH ELEVATION  
SCALE: 1/16" = 1'-0"

KEY PLAN



**DYNAMIK** DESIGN  
5801 PEACHTREE DUNWOODY RD.  
BUILDING C, SUITE 250  
ATLANTA, GA 30328  
TELEPHONE: 678-506-8830  
DYNAMIKDESIGN.COM

CONSULTANT:



SEAL:

408 BLOSSOM STREET  
COLUMBIA, SC 29201

PROJECT NUMBER: SBT2023-01

VERVE COLUMBIA

300 LOCUST STREET  
ST. LOUIS, MO 63103

CLIENT: **subtext**

△	DRAWING RELEASE	DATE
	50% SCHEMATIC DESIGN	10/20/2023
	CITY SITE PLAN REVIEW	11/10/2023

TITLE:

**OVERALL BUILDING ELEVATIONS**

SHEET NUMBER:

**A4-01**











# SEC. 17-5.11 Green Building Standards

## GREEN BUILDING POINT SYSTEM

Green Building Activity	Points	Points
	Available	Earned
<b>Location</b>		
Development on previously used or developed land that is contaminated with waste or pollution (brownfield site)	1	1
Development on previously used or developed land that is not contaminated (site re-use)	0.5	
<b>Energy Conservation</b>		
Install a "cool roof" on a minimum of 50 percent of the dwelling units in a subdivision. The cool roof shall cover the entire roof of the building. Install a "cool roof" on a minimum of 50 percent of the buildings in a multi-building development. The cool roof shall cover the entire roof of the building. The "cool roof" shall cover the entire roof of the dwelling. Cool roofs shall have a Solar Reflectance Index of 78 for flat roofs or 29 for roofs with a slope greater than 2:12	1.5	1.5
Provide skylights in an amount necessary to ensure natural lighting is provided to at least 25 percent of the habitable rooms in the structure	0.5	
Use central air conditioners that are Energy Star qualified	0.5	
Use of only solar or tank-less water heating systems throughout the structure	0.5	
<b>Alternative Energy</b>		
Generate or acquire a minimum of 50 percent of the electricity needed by the development from alternative energy sources (e.g., solar, wind, geothermal)	2	
Generate or acquire a minimum of 25 percent of the electricity needed by the development from alternative energy sources (e.g., solar, wind, geothermal)	1	
Pre-wire a minimum of 75 percent of residential dwelling units in the development for solar panels	1.5	
Pre-wire a minimum of 50 percent of residential dwelling units in the development for solar panels	0.75	
Pre-wire a minimum of 25 percent of residential dwelling units for solar panels	0.5	
Install solar panels on a minimum of 25 percent of dwelling units contained in single-family detached, two-family, townhouse, or multifamily dwellings, that provides a minimum of 75 percent of electricity needed for each unit	2	
Install solar panels on primary structure, or at least 50 percent of buildings in a multi-building development, that provides a minimum of 50 percent of electricity needed for the entire development	1.5	
Install small-scale wind energy conversion systems to provide electricity for 25 percent of residential dwellings in development	1	

PLANNING COMMISSION FORM

<b>Passive Solar</b>		
Orient a minimum of 50 percent of residential dwellings or lots in the development within 20 percent of east-west axis for maximum passive solar exposure	1.5	
Orient a minimum of 25 percent of residential dwelling units or lots in the development within 20 percent of east-west axis for maximum passive solar exposure	0.75	<b>0.75</b>
Orient at least 25 percent of nonresidential buildings within 20 percent of east-west axis for maximum solar exposure	1	
<b>Water Conservation and Water Quality</b>		
Install a green or vegetated roof on the primary structure, or on at least 50 percent of primary buildings in a multi-building development. Green or vegetated roofs shall include vegetation on at least 50 percent of the roof area and shall use only plant materials permitted by the landscaping standards in Sec. 17-5.3, Landscaping.	2	
Include rain water capture and re-use devices such as cisterns, rain filters, and underground storage basins for residential development with a minimum storage capacity of 500 gallons for every two residential units	0.5	
Provide rain gardens or other appropriate storm water infiltration system(s) that accommodate a minimum of 25 percent of the runoff	1	
<b>Vegetation</b>		
Remove all lawn or turf in favor of ground cover consisting of plant material or mulch	0.75	
Limit turf grass to 40 percent of the landscaped area.	0.25	
<b>Urban Agriculture</b>		
Provide a fenced, centrally located community garden space (which may be located as a rooftop garden) for residents and for urban gardening purposes at a ratio of 50 square feet. per residential dwelling unit	1	
Provide a minimum of one on-site composting station for every 25 residential dwelling units	0.25	
<b>Building Materials</b>		
Source a minimum of 20 percent, by cost, of construction materials from recycled products or products manufactured, extracted, harvested, or recovered within 250 miles of the site	1.5	
<b>Transportation</b>		
Provide a minimum of five percent of required automobile parking spaces that are signed and reserved for hybrid/electric/low energy vehicles in preferred locations near the primary building entrance	0.25	<b>0.25</b>
Provide an electric vehicle (EV) level 2 charging station that is made available to those using the building	0.75	<b>0.75</b>
Provide an electric vehicle (EV) level 3 charging station that is made available to those using the building	1	
Include showering and dressing facilities in nonresidential developments for employees using alternative forms of transportation	0.5	
<p>NOTES:</p> <p>[1] <i>Standard for the Design of High-Performance Green Buildings</i> , American Society of Heating, Refrigerating, and Air-Condition Engineers, 2014.</p> <p>[2] <i>Energy Standard for Buildings Except Low-Rise Residential</i> , American Society of Heating, Refrigerating, and Air-Condition Engineers, 2004.</p>		<b>4.25</b>

**Minimum Point Requirements for Residential Development**

---

3 to 29 units	3
30 or more units	4

**Minimum Point Requirements for Nonresidential and Mixed Use Development**

---

5,000 to 25,000 square feet	3
More than 25,000 square feet	4

**Documentation Required**

---

Applicants shall provide documentation of techniques that will be used to satisfy the green building standards of this section at the time of submittal of a development application.

Documentation for items that may not be visually verified as part of an inspection may be provided in the form of invoices, receipts, or delivery confirmation for the items in question.

## GREEN BUILDING STANDARDS

GREEN BUILDING ACTIVITY	POINTS AVAILABLE	POINTS EARNED
<b>LOCATION</b>		
DEVELOPMENT ON PREVIOUSLY USED OR DEVELOPED LAND THAT IS CONTAMINATED WITH WASTE OR POLLUTION (BROWNFIELD SITE)		
DESIGN SOLUTION: THE SITE IS CURRENTLY OCCUPIED BY AN ACTIVE GAS STATION (436 BLOSSOM STREET), WITH PREVIOUS LEAKING OF UNDERGROUND STORAGE TANK (UST) TO BE KNOWN.		
	1	1
<b>ENERGY CONSERVATION</b>		
INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE DWELLING UNITS IN A SUBDIVISION. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING. INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE BUILDINGS IN A MULTI-BUILDING DEVELOPMENT. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE DWELLING. COOL ROOFS SHALL HAVE A SOLAR REFLECTANCE INDEX OF 78 FOR FLAT ROOFS OR 29 FOR ROOFS WITH A SLOPE GREATER THAN 2:12		
DESIGN SOLUTION: TPO MEMBRANE WITH A SOLAR REFLECTANCE INDEX OF 78 FOR FLAT ROOFS WILL BE USED. SEE A2-00 FOR ROOF PLAN.		
	1.5	1.5
<b>PASSIVE SOLAR</b>		
ORIENT A MINIMUM OF 25 PERCENT OF RESIDENTIAL DWELLING UNITS OR LOTS IN THE DEVELOPMENT WITHIN 20 PERCENT OF THE EAST-WEST AXIS FOR MAXIMUM PASSIVE SOLAR EXPOSURE		
DESIGN SOLUTION: 125 UNITS ORIENTED EAST-WEST DIVIDED BY 233 TOTAL UNITS EQUAL 54%, WHICH IS GREATER THAN THE MINIMUM OF 25 PERCENT.		
	0.75	0.75
<b>TRANSPORTATION</b>		
PROVIDE A MINIMUM OF FIVE PERCENT OF REQUIRED AUTOMOBILE PARKING SPACES THAT ARE ASSIGNED AND RESERVED FOR HYBRID/ELECTRIC/LOW ENERGY VEHICLES IN PREFERRED LOCATIONS NEAR THE PRIMARY BUILDING		
DESIGN SOLUTION: 5% OF THE TOTAL 368 PARKING SPACES EQUALS 19 EV PARKING SPACES TO BE PROVIDED. SEE SP-01 FOR PARKING SUMMARY.		
	0.25	0.25
PROVIDE AN ELECTRIC VEHICLE (EV) LEVEL 2 CHARGING STATION THAT IS MADE AVAILABLE TO THOSE USING THE BUILDING		
DESIGN SOLUTION: LEVEL 2 CHARGING STATION TO BE PROVIDED. SEE NOTE IN PARKING SUMMARY ON SP-01		
	0.75	0.75
<b>TOTALS</b>	4.25	4.25



Underground Storage Tank Management Division  
 Bureau of Land and Waste Management  
 2600 Bull Street  
 Columbia, SC 29201  
 (This form may be used to comply with SC UST Regulation 280.72)

**STATE USE ONLY**

Date Received

**UNDERGROUND STORAGE TANK (UST) ASSESSMENT REPORT**

Is this a change in service? Yes \_\_\_\_\_ No XX  
 (The change in storage to a non-regulated substance)

**I. OWNERSHIP OF UST(S)**

Carolina Convenience Corporation		
Owner Name (Corporation, Individual, Public Agency, Other)		
557 Whiteford Way		
Mailing Address		
Lexington, SC 29072		
City	State	Zip Code
803-356-2011		Mr. Madhu Shrivastava
Area Code	Telephone Number	Contact Person

**II. SITE IDENTIFICATION AND LOCATION**

07637	S-Mart #102
Permit I.D. #	Facility Name
436 Blossom Street	
Street Address	
Columbia, SC 29201	Richland
City	County
	Zip Code

### III. INSURANCE INFORMATION AND SUPERB FUNDING

Please complete the following Insurance Statement:

The petroleum release reported to DHEC on 10/17/2023 at Permit ID Number 07637 may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. **This section must be completed.**

Pursuant to the State Underground Petroleum Environmental Response Bank (SUPERB) Act 44-2-130(E)(1): "An owner or operator of an underground storage tank or his agent seeking to qualify for compensation from the SUPERB account for site rehabilitation shall submit a written application to the Department." Please complete **DHEC Form 1300** regarding SUPERB compensation and the existence of an environmental insurance policy.

### IV. 24 HOUR RELEASE REPORT

If free product is observed during closure activities, please submit **DHEC Form 1364** within 24 hours. Please note that this **DHEC Form 1364** should not be submitted for sampling analysis or other release designations. For the purpose of closure activities, this report form is solely for the observance of free product.

### V. CERTIFICATION (To be signed by the UST owner)

I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

MADHU SHRIVASTAVA

Name (Type or print.)

M.S. Shrivastava

Signature

To be completed by Notary Public:

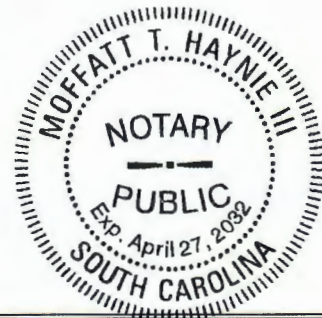
Sworn before me this 23<sup>rd</sup> day of October, 20 23.

(Name)

[Signature]

Notary Public for the state of SC

Please affix State seal if you are commissioned outside South Carolina



VI.

**UST INFORMATION**

Date of Permanent Closure (Month/Day/Year): 09/25/2023

**Note:** Answer each question as completely as possible. For those questions that are yes or no, please indicate Y or N in the box. For all other questions, please provide the specific information.

Requested Information	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Product ( Gas, Kerosene, etc.)	Gasoline	Gasoline	Gasoline	Diesel		
Capacity in gallons (1K, 2K etc)	10000	10000	10000	8000		
Approximate age in years	34	34	34	34		
Construction material (Steel, Fiberglass, etc)	STI-P3	STI-P3	STI-P3	STI-P3		
Month/Year of last use	09/2023	09/2023	09/2023	09/2023		
Depth in feet to the base of the tank	Approx. 10'	Approx. 10'	Approx. 10'	Approx. 10'		
Spill prevention present (Y or N)	Y	Y	Y	Y		
Overfill prevention present (Y or N)	Y	Y	Y	Y		
Tanks removed (Y or N)	Y	Y	Y	Y		
Tanks filled in place (Y or N) If yes, indicate fill material in the box	N	N	N	N		
Visible Corrosion or Pitting (Y or N)	N	N	N	N		
Visible Holes (Y or N)	N	N	N	N		

1. Indicate the method of disposal for any USTs removed from the ground (Do not forget to attach the disposal manifests): Tanks recycled at local recycler.

2. Indicate the method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (Do not forget to attach the disposal manifests): Tank liquids removed by JF Petroleum Group and disposed at T K Tank Services, Inc.

3. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST:  
N/A

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
2. Page 1 of  
3. Emergency Response Phone  
4. Waste Tracking Number

803-229-2528  
092223-1

5. Generator's Name and Mailing Address

JF PETROLEUM GROUP  
100 PERIMETER PARK DRIVE SUITE H  
MORRISVILLE, NC 27560

Generator's Site Address (if different than mailing address)

S-MART  
436 BLOSSOM STREET  
COLUMBIA, SC 29201 USA

Generator's Phone:

6. Transporter 1 Company Name

T K TANK SERVICES, INC.

U.S. EPA ID Number

SCD084706282

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

T K TANK SERVICES, INC.  
425 BOULEVARD RD.  
SUMTER, SC 29153

U.S. EPA ID Number

SCR000778274

803-418-5314  
Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. NON HAZARDOUS PETROLEUM CONTAMINATED WATER/SOIL/DEBRIS

No. Type

1 RT 1118 gal

2.

3.

4.

13. Special Handling Instructions and Additional Information

Heavy - 31780  
Light - 22460

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

JONATHAN GOODMAN

Signature

*[Signature]*

Month Day Year  
9 22 23

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Daren Griffin

Signature

*[Signature]*

Month Day Year  
9 22 23

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility or Generator

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Jasmine Anderson

Signature

*[Signature]*

Month Day Year  
9 22 23

# CERTIFICATE OF DISPOSAL

## T K TANK SERVICES, INC.

Certifies to all that

**1,118 GALLONS**

Of Nonhazardous, Petroleum Contaminated Water / Product

has been disposed of in accordance with EPA regulations on petroleum contaminated water.

This product was generated at:

**S-MART**

9/22/2023

DATE

MATT CHAPMAN

SIGNATURE



**Edisto Recycling**  
LLC

**EDISTO RECYCLING LLC.**  
2678 Colonel Thompson Hwy  
St. Matthews, South Carolina, 29135  
Tel.843-538-1566

**TICKET RECEIPT W/ SUBTOTALS**

**TICKET# :12605**



**Customer Name :** Coast Construction Group, Inc  
**Start Date :** 09/25/2023  
**End Date :** 09/28/2023

<b>Material</b>	<b>Gross</b>	<b>Tare</b>	<b>Net</b>	<b>Price</b>	<b>Amount</b>
SCRAP <i>10,000 Gallon Tank</i>	19280.00	18100.00	1180.00	\$0.04 lb	\$47.20
<b>Sub Total ==&gt;</b>	19280.00	18100.00	1180.00		\$47.20
TORCH CUT (COLA) <i>Scrap metal</i>	23560.00	21500.00	2060.00	\$0.04 lb	\$82.40
TORCH CUT (COLA) <i>10,000 Gallon Tank</i>	56460.00	47480.00	8980.00	\$0.04 lb	\$359.20
TORCH CUT (COLA) <i>10,000 Gallon Tank</i>	56280.00	47480.00	8800.00	\$0.04 lb	\$352.00
TORCH CUT (COLA) <i>10,000 Gallon Tank</i>	55760.00	47480.00	8280.00	\$0.04 lb	\$331.20
TORCH CUT (COLA) <i>8,000 Gallon Tank</i>	55740.00	47440.00	8300.00	\$0.04 lb	\$332.00
<b>Sub Total ==&gt;</b>	247800.00	211380.00	36420.00		\$1456.80
<b>Grand Total ==&gt;</b>	267080.00	229480.00	37600.00		\$1504.00

**Ticket Total: \$1504.00    Total EA: 0.00    Total WT : 37600.00LB    Total Paid: \$1504.00**

**Pay by Check: \$1504.00**  
**Check#: 1129**

VII.

**PIPING INFORMATION**

Date of Permanent Closure (Month/Day/Year): 09/25/2023

**Note:** Answer each question as completely as possible. For those questions that are yes or no, please indicate Y or N in the box. For all other questions, please provide the specific information.

Requested Information	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Approximate age in years	34	34	34	34		
Construction material (Steel, Fiberglass, etc)	FRP	FRP	FRP	FRP		
Distance in feet from UST to Dispenser(s)	~ 20 ft	~ 20 ft	~ 20 ft	~15 ft		
Number of Dispensers	4	4	4	1		
Type of System (Pressure or Suction)	Pressure	Pressure	Pressure	Pressure		
Was piping removed from the ground (Y or N)	Y	Y	Y	Y		
If piping was not removed were both ends of the piping capped off (Y or N)	N/A	N/A	N/A	N/A		
Visible Corrosion or Pitting (Y or N)	N	N	N	N		
Visible Holes ( Y or N)	N	N	N	N		

1. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

N/A

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**VIII. BRIEF SITE DESCRIPTION AND HISTORY**

The S-Mart #102 is located at 436 Blossom Street in Columbia, SC 29201.

The site is bordered by Blossom Street to the west, Huger Street to the north, and cleared, developed property to the east and south. The four tanks were installed in May 1989 and were covered by a concrete pad.

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## IX. SITE CONDITIONS

**Note:** Answer each question as completely as possible. For those questions that are yes or no , please check Y or N. If the information is unknown or cannot be obtained, check unknown. For all other questions, please provide the specific information.

Requested Information	Yes	No	Unk
<p>Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p><b>Note:</b> If yes, indicate depth and location on the site map.</p>	X		
<p>Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p><b>Note:</b> If yes, indicate location and describe the odor (strong, mild, etc.) on the site map.</p>	X		
<p>Was water present in the UST excavation, soil borings, or trenches?</p> <p><b>Note:</b> If yes, how far below land surface (indicate location and depth on the site map)?</p>		X	
<p>Did contaminated soils remain stockpiled on site after closure?</p> <p><b>Note:</b> If yes, indicate the stockpile location on the site map.</p> <p><b>Note:</b> If yes, Indicate the name of DHEC representative that authorized the soil removal: <u>n/a</u></p>		X	
<p>Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p><b>Note:</b> If yes, indicate location and thickness on the site map. n/a</p>		X	

### X. SAMPLE INFORMATION

SCDHEC Lab Certification Number 98016003

Date that samples were taken: September 25 & 26, 2023

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
S-1	Tank Basin Excavation	Soil	Sandy soil	~ 10 ft	09/25/23/1034	RD	N/A
S-2	Tank Basin Excavation	Soil	Sandy soil	~ 10 ft	09/25/23/1122	RD	N/A
S-3	Tank Basin Excavation	Soil	Sandy soil	~ 10 ft	09/25/23/1202	RD	N/A
S-4	Tank Basin Excavation	Soil	Sandy soil	~ 10 ft	09/25/23/1210	RD	N/A
S-5	Tank Basin Excavation	Soil	Sandy soil	~ 10 ft	09/25/23/1237	RD	N/A
S-6	Tank Basin Excavation	Soil	Sandy soil	~ 2 ft	09/26/23/1210	RD	N/A
S-7	Tank Basin Excavation	Soil	Sandy soil	~ 2 ft	09/26/23/1215	RD	N/A
S-8	Tank Basin Excavation	Soil	Sandy soil	~ 2 ft	09/26/23/1220	RD	N/A
S-9	Tank Basin Excavation	Soil	Sandy soil	~ 2 ft	09/26/23/1230	RD	N/A
S-10	Tank Basin Excavation	Soil	Sandy soil	~ 2 ft	09/26/23/1250	RD	N/A

\* = Depth Below the Surrounding Land Surface

## XI. SAMPLING METHODOLOGY

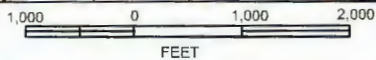
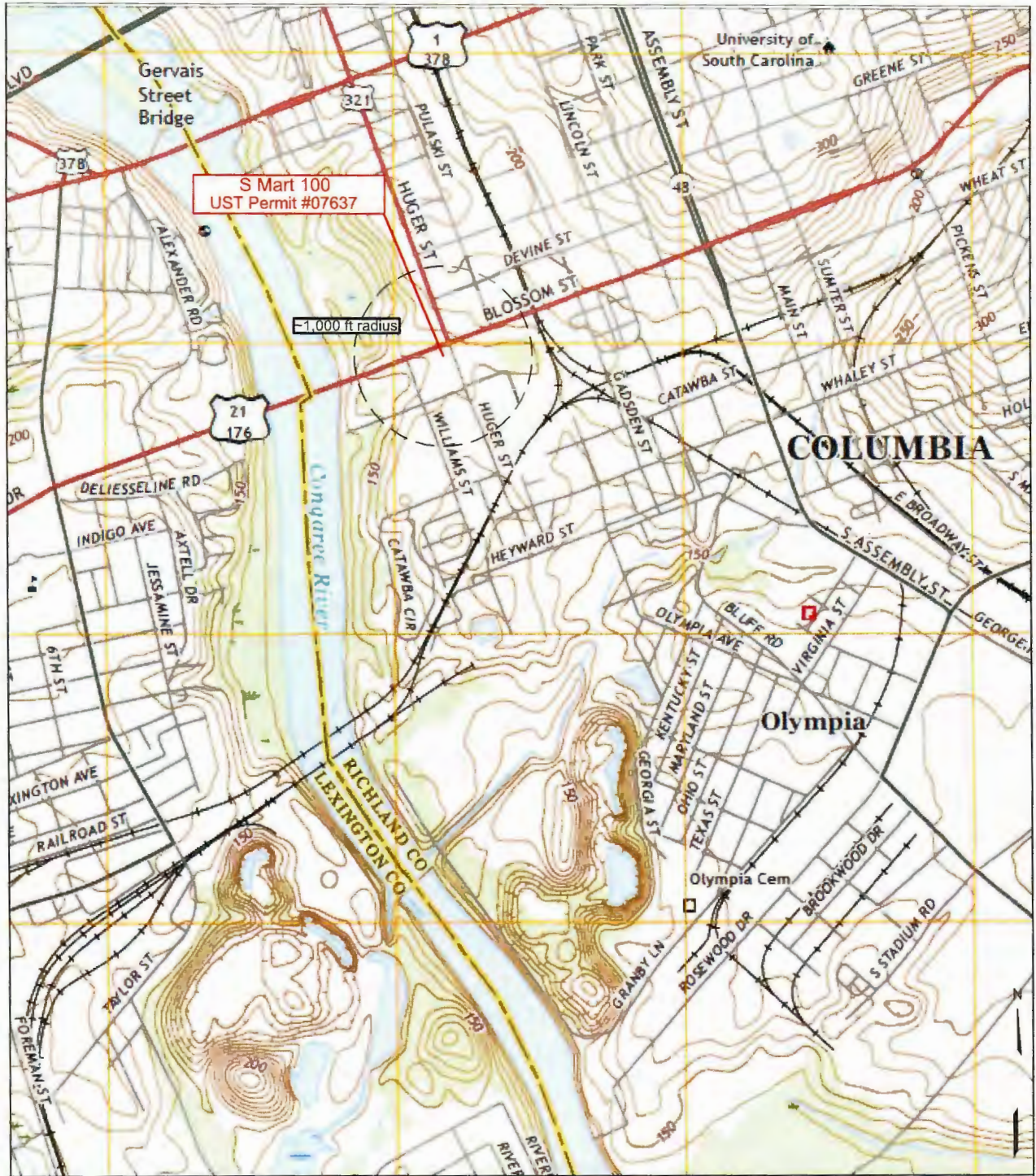
Provide a detailed description of the methods used to collect and store the samples. Also, include the preservative used for each sample. Please use the space provided below.

The soil samples were collected from the excavations and placed into clean sample containers provided by the analytical laboratory. Parameter-specific preservatives were provided in the laboratory supplied glassware. Immediately following collection, the samples were stored on ice and prepared for transport with the appropriate chain-of-custody to the laboratory.

## XII. RECEPTORS

**Note:** Answer each question as completely as possible. For those questions that are yes or no, please check Y or N. If the information is unknown or cannot be obtained, check unknown. For all other questions, please provide the specific information.

Requested Information	Yes	No	Unk
<p>Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map. Congaree River</p>	X		
<p>Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X	
<p>Are there any underground structures (e.g., basements) located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>		X	
<p>Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination?</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p>		X	
<p>Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>		X	



providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax (843)-873-8765

**FIGURE 1  
TOPOGRAPHIC MAP**

S MART 102  
436 BLOSSOM STREET  
COLUMBIA, SOUTH CAROLINA

SIZE B	TERRY Project No. 2677.3E	DWG NO. Figure 1 Topo Map	REV
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SCALE: As Shown

DATE: October 2023



LEGEND & ABBREVIATIONS:

- UST CLOSURE SOIL SAMPLE LOCATION

SOIL SAMPLES COLLECTED ON SEPTEMBER 25 & SEPTEMBER 26, 2023



**FIGURE 1  
SITE MAP**

S MART 102  
436 BLOSSOM STREET  
COLUMBIA, SOUTH CAROLINA

TERRY PROJECT #	SCDHEC UST PERMIT #
2677.3E	07637
SCALE	DATE
1" = 30'	October 2023



Blossom St

Blossom St

**S Mart 102**  
**(Permit #07637)**

Google

S-4

S-7

S-8

S-6

S-9

### SUMMARY OF ANALYSIS RESULTS

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

CoC (units ug/kg)	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10
<b>Benzene</b>	<4.6	<4.4	5.9	<4.5	<5.2	<3.8	<3.9	<3.8	<3.5	31
<b>Toluene</b>	<4.6	<4.4	19	<4.5	<5.2	10	<3.9	<3.8	<3.5	13
<b>Ethylbenzene</b>	<4.6	<4.4	9.7	<4.5	<5.2	4.8	<3.9	<3.8	<3.5	1,900
<b>Xylenes</b>	6.3	<4.4	43.7	<4.5	<5.2	11.8	<3.9	<3.8	<3.5	6,100
<b>Naphthalene</b>	130	29	58	18	16	<3.8	<3.9	<3.8	<3.5	63
<b>Benzo(a)anthracene</b>	<350	<350	<390	<350	<400	<360	<380	<380	<390	<360
<b>Benzo(b)fluoranthene</b>	<350	<350	<390	<350	<400	<360	<380	<380	<390	<360
<b>Benzo(k)fluoranthene</b>	<350	<350	<390	<350	<400	<360	<380	<380	<390	<360
<b>Chrysene</b>	<350	<350	<390	<350	<400	<360	<380	<380	<390	<360
<b>Dibenz(a,h)anthracene</b>	<350	<350	<390	<350	<400	<360	<380	<380	<390	<360
<b>TPH (EPA 3550)</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<b>CoC</b>										
<b>Benzene</b>										
<b>Toluene</b>										
<b>Ethylbenzene</b>										
<b>Xylenes</b>										
<b>Naphthalene</b>										
<b>Benzo(a)anthracene</b>										
<b>Benzo(b)fluoranthene</b>										
<b>Benzo(k)fluoranthene</b>										
<b>Chrysene</b>										
<b>Dibenz(a,h)anthracene</b>										
<b>TPH (EPA 3550)</b>										

**SUMMARY OF ANALYSIS RESULTS (cont'd)**

Enter the ground water analytical data for each sample for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet.

CoC	RBSL (ug/l)	W-1	W-2	W-3	W-4	W-5
<b>Free Product Thickness</b>	<b>None</b>	N/A Groundwater not encountered				
<b>Benzene</b>	<b>5</b>	N/A				
<b>Toluene</b>	<b>1,000</b>	N/A				
<b>Ethylbenzene</b>	<b>700</b>	N/A				
<b>Xylenes</b>	<b>10,000</b>	N/A				
<b>Total BTEX</b>	<b>N/A</b>	N/A				
<b>MTBE</b>	<b>40</b>	N/A				
<b>Naphthalene</b>	<b>25</b>	N/A				
<b>Benzo(a)anthracene</b>	<b>10</b>	N/A				
<b>Benzo(b)flouranthene</b>	<b>10</b>	N/A				
<b>Benzo(k)flouranthene</b>	<b>10</b>	N/A				
<b>Chrysene</b>	<b>10</b>	N/A				
<b>Dibenz(a,h)anthracene</b>	<b>10</b>	N/A				
<b>EDB</b>	<b>.05</b>	N/A				
<b>1,2-DCA</b>	<b>5</b>	N/A				
<b>Lead</b>	<b>Site specific</b>	N/A				



**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

October 03, 2023

Kelly K. Cone  
Terry Environmental Services

P.O. Box 25  
Summerville SC 29484

RE: S-Mart #102

Dear Kelly K. Cone:

Order No: 2309N27

Analytical Environmental Services, Inc. received 11 samples on September 26, 2023 8:20 pm for the analyses presented in following report.

"No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

AES' certifications are as follows:

-South Carolina Certification number 98016003 for Clean Water Act and for Solid and Hazardous Waste, effective until 6/30/24.

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

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

Sincerely,

Chris Pafford  
Project Manager

**CHAIN OF CUSTODY**

COMPANY <i>Terry Environmental Services</i>		ADDRESS: <i>P.O. Box 25 Summerville, SC 29403</i>				ANALYSIS REQUESTED								Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> for downloadable COCs and to log in to your AESAccess account.	Number of Containers				
PHONE: <i>(843)-873-8200</i>		EMAIL: <i>Kccone@terryenvironmental.com</i>				<div style="display: flex; justify-content: space-between;"> <span style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX/NH<sub>3</sub></span> <span style="writing-mode: vertical-rl; transform: rotate(180deg);">PAH/Pesticides</span> </div>													
SAMPLED BY: <i>Raymond DeLeon</i>		SIGNATURE: <i>[Signature]</i>																	
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)								REMARKS				
		DATE	TIME				1	2	3	4	5	6	7	8		9	10	11	12
1	07637 S-1	9.25.23	1034	G		SO													
2	07637 S-2		1122	G															
3	07637 S-3		1202	G															
4	07637 S-4		1210	G															
5	07637 S-5		1237	G															
6	07637 S-6	9.26.23	1210	G															
7	07637 S-7		1215	G															
8	07637 S-8		1220	G															
9	07637 S-9		1230	G															
10	07637 S-10		1250	G															
11	Trip - Blank																		
12																			
13																			
14																			
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: <i>9/26/23 1400</i>		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: <i>9/26 4:37PM</i>		PROJECT INFORMATION								RECEIPT			
1. <i>[Signature]</i>		2. <i>[Signature]</i>		3. <i>[Signature]</i>		4. <i>[Signature]</i>		PROJECT NAME: <i>S-Mult # 102</i>								Total # of Containers			
2. <i>[Signature]</i>		3. <i>[Signature]</i>		4. <i>[Signature]</i>		5. <i>[Signature]</i>		PROJECT #: <i>2677.3E</i>								Turnaround Time (TAT) Request in Business Days			
3. <i>[Signature]</i>		4. <i>[Signature]</i>		5. <i>[Signature]</i>		6. <i>[Signature]</i>		SITE ADDRESS: <i>436 Blossom st, Columbia, SC 29201</i>								<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4 Day Rush* <input type="checkbox"/> 3 Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT: / /		VIA:		SEND REPORT TO: <i>Kelly cone</i>								*Surcharges apply for Rush TAT			
		IN: / /		Client		FedEx		UPS		US mail		courier		INVOICE TO (IF DIFFERENT FROM ABOVE):		REGULATORY PROGRAM (if any)			
		other: _____		QUOTE #:		PO#:		DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O											
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.																			

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-1
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/25/2023 10:34:00 AM
<b>Lab ID:</b> 2309N27-001	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	BRL	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
Toluene	BRL	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
Ethylbenzene	BRL	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
m,p-Xylene	0.0063	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
o-Xylene	BRL	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
Methyl tert-butyl ether	BRL	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
Naphthalene	0.13	0.0046		mg/Kg-dry	363666	1	09/28/2023 12:15	RC
Surr: 4-Bromofluorobenzene	102	65.7-125		%REC	363666	1	09/28/2023 12:15	RC
Surr: Dibromofluoromethane	92.1	74.3-126		%REC	363666	1	09/28/2023 12:15	RC
Surr: Toluene-d8	101	72.7-124		%REC	363666	1	09/28/2023 12:15	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
2-Methylnaphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Acenaphthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Acenaphthylene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Benz(a)anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Benzo(a)pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Benzo(b)fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Benzo(g,h,i)perylene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Benzo(k)fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Chrysene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Dibenz(a,h)anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Fluorene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Indeno(1,2,3-cd)pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Naphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Phenanthrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 14:31	DS
Surr: 2-Fluorobiphenyl	87.9	53.4-120		%REC	363826	1	10/02/2023 14:31	DS
Surr: 4-Terphenyl-d14	90.9	54.3-124		%REC	363826	1	10/02/2023 14:31	DS
Surr: Nitrobenzene-d5	105	49-118		%REC	363826	1	10/02/2023 14:31	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	4.82	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-2
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/25/2023 11:22:00 AM
<b>Lab ID:</b> 2309N27-002	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	BRL	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
Toluene	BRL	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
Ethylbenzene	BRL	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
m,p-Xylene	BRL	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
o-Xylene	BRL	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
Methyl tert-butyl ether	BRL	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
Naphthalene	0.029	0.0044		mg/Kg-dry	363666	1	09/28/2023 12:39	RC
Surr: 4-Bromofluorobenzene	96.1	65.7-125		%REC	363666	1	09/28/2023 12:39	RC
Surr: Dibromofluoromethane	91.4	74.3-126		%REC	363666	1	09/28/2023 12:39	RC
Surr: Toluene-d8	99.3	72.7-124		%REC	363666	1	09/28/2023 12:39	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
2-Methylnaphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Acenaphthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Acenaphthylene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Benz(a)anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Benzo(a)pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Benzo(b)fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Benzo(g,h,i)perylene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Benzo(k)fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Chrysene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Dibenz(a,h)anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Fluorene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Indeno(1,2,3-cd)pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Naphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Phenanthrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 15:48	DS
Surr: 2-Fluorobiphenyl	77.5	53.4-120		%REC	363826	1	10/02/2023 15:48	DS
Surr: 4-Terphenyl-d14	86.2	54.3-124		%REC	363826	1	10/02/2023 15:48	DS
Surr: Nitrobenzene-d5	90.8	49-118		%REC	363826	1	10/02/2023 15:48	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	5.36	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-3
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/25/2023 12:02:00 PM
<b>Lab ID:</b> 2309N27-003	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>					<b>(SW5035)</b>			
Benzene	0.0059	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
Toluene	0.019	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
Ethylbenzene	0.0097	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
m,p-Xylene	0.034	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
o-Xylene	0.0097	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
Methyl tert-butyl ether	BRL	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
Naphthalene	0.058	0.0051		mg/Kg-dry	363666	1	09/27/2023 21:50	RC
Surr: 4-Bromofluorobenzene	99	65.7-125		%REC	363666	1	09/27/2023 21:50	RC
Surr: Dibromofluoromethane	94.6	74.3-126		%REC	363666	1	09/27/2023 21:50	RC
Surr: Toluene-d8	104	72.7-124		%REC	363666	1	09/27/2023 21:50	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>					<b>(SW3550C)</b>			
1-Methylnaphthalene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Acenaphthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Acenaphthylene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Anthracene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Benz(a)anthracene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Benzo(b)fluoranthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Benzo(g,h,i)perylene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Chrysene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Fluoranthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Fluorene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Naphthalene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Phenanthrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Pyrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 16:14	DS
Surr: 2-Fluorobiphenyl	81.7	53.4-120		%REC	363826	1	10/02/2023 16:14	DS
Surr: 4-Terphenyl-d14	90.7	54.3-124		%REC	363826	1	10/02/2023 16:14	DS
Surr: Nitrobenzene-d5	91.3	49-118		%REC	363826	1	10/02/2023 16:14	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	16.3	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-4
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/25/2023 12:10:00 PM
<b>Lab ID:</b> 2309N27-004	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	BRL	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
Toluene	BRL	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
Ethylbenzene	BRL	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
m,p-Xylene	BRL	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
o-Xylene	BRL	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
Methyl tert-butyl ether	BRL	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
Naphthalene	0.018	0.0045		mg/Kg-dry	363666	1	09/27/2023 22:14	RC
Surr: 4-Bromofluorobenzene	94.9	65.7-125		%REC	363666	1	09/27/2023 22:14	RC
Surr: Dibromofluoromethane	95.6	74.3-126		%REC	363666	1	09/27/2023 22:14	RC
Surr: Toluene-d8	102	72.7-124		%REC	363666	1	09/27/2023 22:14	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
2-Methylnaphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Acenaphthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Acenaphthylene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Benz(a)anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Benzo(a)pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Benzo(b)fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Benzo(g,h,i)perylene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Benzo(k)fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Chrysene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Dibenz(a,h)anthracene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Fluoranthene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Fluorene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Indeno(1,2,3-cd)pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Naphthalene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Phenanthrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Pyrene	BRL	0.35		mg/Kg-dry	363826	1	10/02/2023 16:39	DS
Surr: 2-Fluorobiphenyl	77.8	53.4-120		%REC	363826	1	10/02/2023 16:39	DS
Surr: 4-Terphenyl-d14	90.8	54.3-124		%REC	363826	1	10/02/2023 16:39	DS
Surr: Nitrobenzene-d5	94.2	49-118		%REC	363826	1	10/02/2023 16:39	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	4.42	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-5
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/25/2023 12:37:00 PM
<b>Lab ID:</b> 2309N27-005	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>					<b>(SW5035)</b>			
Benzene	BRL	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
Toluene	BRL	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
Ethylbenzene	BRL	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
m,p-Xylene	BRL	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
o-Xylene	BRL	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
Methyl tert-butyl ether	BRL	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
Naphthalene	0.016	0.0052		mg/Kg-dry	363666	1	09/27/2023 22:38	RC
Surr: 4-Bromofluorobenzene	93.6	65.7-125		%REC	363666	1	09/27/2023 22:38	RC
Surr: Dibromofluoromethane	93.9	74.3-126		%REC	363666	1	09/27/2023 22:38	RC
Surr: Toluene-d8	101	72.7-124		%REC	363666	1	09/27/2023 22:38	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>					<b>(SW3550C)</b>			
1-Methylnaphthalene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
2-Methylnaphthalene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Acenaphthene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Acenaphthylene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Anthracene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Benz(a)anthracene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Benzo(a)pyrene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Benzo(b)fluoranthene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Benzo(g,h,i)perylene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Benzo(k)fluoranthene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Chrysene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Dibenz(a,h)anthracene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Fluoranthene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Fluorene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Indeno(1,2,3-cd)pyrene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Naphthalene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Phenanthrene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Pyrene	BRL	0.40		mg/Kg-dry	363826	1	10/02/2023 17:05	DS
Surr: 2-Fluorobiphenyl	73.6	53.4-120		%REC	363826	1	10/02/2023 17:05	DS
Surr: 4-Terphenyl-d14	88.6	54.3-124		%REC	363826	1	10/02/2023 17:05	DS
Surr: Nitrobenzene-d5	82.4	49-118		%REC	363826	1	10/02/2023 17:05	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	18.4	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-6
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/26/2023 12:10:00 PM
<b>Lab ID:</b> 2309N27-006	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
Toluene	0.010	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
Ethylbenzene	0.0048	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
m,p-Xylene	0.0079	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
o-Xylene	0.0039	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
Methyl tert-butyl ether	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
Naphthalene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:01	RC
Surr: 4-Bromofluorobenzene	93	65.7-125		%REC	363666	1	09/27/2023 23:01	RC
Surr: Dibromofluoromethane	96.4	74.3-126		%REC	363666	1	09/27/2023 23:01	RC
Surr: Toluene-d8	103	72.7-124		%REC	363666	1	09/27/2023 23:01	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
2-Methylnaphthalene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Acenaphthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Acenaphthylene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Anthracene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Benz(a)anthracene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Benzo(a)pyrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Benzo(b)fluoranthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Benzo(g,h,i)perylene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Benzo(k)fluoranthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Chrysene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Dibenz(a,h)anthracene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Fluoranthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Fluorene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Indeno(1,2,3-cd)pyrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Naphthalene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Phenanthrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Pyrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 17:31	DS
Surr: 2-Fluorobiphenyl	72.5	53.4-120		%REC	363826	1	10/02/2023 17:31	DS
Surr: 4-Terphenyl-d14	82.5	54.3-124		%REC	363826	1	10/02/2023 17:31	DS
Surr: Nitrobenzene-d5	84.8	49-118		%REC	363826	1	10/02/2023 17:31	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	9.29	0		wt%	R527089	1	09/28/2023 00:00	JW

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-7
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/26/2023 12:15:00 PM
<b>Lab ID:</b> 2309N27-007	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
Toluene	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
Ethylbenzene	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
m,p-Xylene	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
o-Xylene	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
Methyl tert-butyl ether	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
Naphthalene	BRL	0.0039		mg/Kg-dry	363666	1	09/27/2023 23:25	RC
Surr: 4-Bromofluorobenzene	90.8	65.7-125		%REC	363666	1	09/27/2023 23:25	RC
Surr: Dibromofluoromethane	95.5	74.3-126		%REC	363666	1	09/27/2023 23:25	RC
Surr: Toluene-d8	100	72.7-124		%REC	363666	1	09/27/2023 23:25	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
2-Methylnaphthalene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Acenaphthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Acenaphthylene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Anthracene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Benz(a)anthracene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Benzo(a)pyrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Benzo(b)fluoranthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Benzo(g,h,i)perylene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Benzo(k)fluoranthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Chrysene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Dibenz(a,h)anthracene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Fluoranthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Fluorene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Indeno(1,2,3-cd)pyrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Naphthalene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Phenanthrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Pyrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 17:56	DS
Surr: 2-Fluorobiphenyl	73.4	53.4-120		%REC	363826	1	10/02/2023 17:56	DS
Surr: 4-Terphenyl-d14	82	54.3-124		%REC	363826	1	10/02/2023 17:56	DS
Surr: Nitrobenzene-d5	81.4	49-118		%REC	363826	1	10/02/2023 17:56	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	13.2	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-8
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/26/2023 12:20:00 PM
<b>Lab ID:</b> 2309N27-008	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
Toluene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
Ethylbenzene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
m,p-Xylene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
o-Xylene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
Methyl tert-butyl ether	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
Naphthalene	BRL	0.0038		mg/Kg-dry	363666	1	09/27/2023 23:49	RC
Surr: 4-Bromofluorobenzene	89.4	65.7-125		%REC	363666	1	09/27/2023 23:49	RC
Surr: Dibromofluoromethane	95.2	74.3-126		%REC	363666	1	09/27/2023 23:49	RC
Surr: Toluene-d8	101	72.7-124		%REC	363666	1	09/27/2023 23:49	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
2-Methylnaphthalene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Acenaphthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Acenaphthylene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Anthracene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Benz(a)anthracene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Benzo(a)pyrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Benzo(b)fluoranthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Benzo(g,h,i)perylene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Benzo(k)fluoranthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Chrysene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Dibenz(a,h)anthracene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Fluoranthene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Fluorene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Indeno(1,2,3-cd)pyrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Naphthalene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Phenanthrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Pyrene	BRL	0.38		mg/Kg-dry	363826	1	10/02/2023 18:22	DS
Surr: 2-Fluorobiphenyl	73.5	53.4-120		%REC	363826	1	10/02/2023 18:22	DS
Surr: 4-Terphenyl-d14	88.6	54.3-124		%REC	363826	1	10/02/2023 18:22	DS
Surr: Nitrobenzene-d5	78.1	49-118		%REC	363826	1	10/02/2023 18:22	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	13.8	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

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

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-9
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/26/2023 12:30:00 PM
<b>Lab ID:</b> 2309N27-009	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>				<b>(SW5035)</b>				
Benzene	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
Toluene	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
Ethylbenzene	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
m,p-Xylene	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
o-Xylene	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
Methyl tert-butyl ether	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
Naphthalene	BRL	0.0035		mg/Kg-dry	363666	1	09/28/2023 00:12	RC
Surr: 4-Bromofluorobenzene	88.3	65.7-125		%REC	363666	1	09/28/2023 00:12	RC
Surr: Dibromofluoromethane	96.8	74.3-126		%REC	363666	1	09/28/2023 00:12	RC
Surr: Toluene-d8	102	72.7-124		%REC	363666	1	09/28/2023 00:12	RC
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>				<b>(SW3550C)</b>				
1-Methylnaphthalene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
2-Methylnaphthalene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Acenaphthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Acenaphthylene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Anthracene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Benz(a)anthracene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Benzo(a)pyrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Benzo(b)fluoranthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Benzo(g,h,i)perylene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Benzo(k)fluoranthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Chrysene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Dibenz(a,h)anthracene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Fluoranthene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Fluorene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Indeno(1,2,3-cd)pyrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Naphthalene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Phenanthrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Pyrene	BRL	0.39		mg/Kg-dry	363826	1	10/02/2023 18:47	DS
Surr: 2-Fluorobiphenyl	78.7	53.4-120		%REC	363826	1	10/02/2023 18:47	DS
Surr: 4-Terphenyl-d14	92.5	54.3-124		%REC	363826	1	10/02/2023 18:47	DS
Surr: Nitrobenzene-d5	89.9	49-118		%REC	363826	1	10/02/2023 18:47	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	14.6	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> 07637 S-10
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/26/2023 12:50:00 PM
<b>Lab ID:</b> 2309N27-010	<b>Matrix:</b> Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds by GC/MS SW8260D</b>		<b>(SW5035)</b>						
Benzene	0.031	0.0039		mg/Kg-dry	363666	1	09/28/2023 13:28	RC
Toluene	0.013	0.0039		mg/Kg-dry	363666	1	09/28/2023 13:28	RC
Ethylbenzene	1.9	0.19		mg/Kg-dry	363615	50	09/28/2023 21:59	AG
m,p-Xylene	4.8	0.19		mg/Kg-dry	363615	50	09/28/2023 21:59	AG
o-Xylene	1.3	0.19		mg/Kg-dry	363615	50	09/28/2023 21:59	AG
Methyl tert-butyl ether	BRL	0.0039		mg/Kg-dry	363666	1	09/28/2023 13:28	RC
Naphthalene	0.063	0.0039		mg/Kg-dry	363666	1	09/28/2023 13:28	RC
Surr: 4-Bromofluorobenzene	205	65.7-125	S	%REC	363666	1	09/28/2023 13:28	RC
Surr: 4-Bromofluorobenzene	111	65.7-125		%REC	363615	50	09/28/2023 21:59	AG
Surr: Dibromofluoromethane	70.6	74.3-126	S	%REC	363666	1	09/28/2023 13:28	RC
Surr: Dibromofluoromethane	90.6	74.3-126		%REC	363615	50	09/28/2023 21:59	AG
Surr: Toluene-d8	121	72.7-124		%REC	363666	1	09/28/2023 13:28	RC
Surr: Toluene-d8	104	72.7-124		%REC	363615	50	09/28/2023 21:59	AG
<b>POLYAROMATIC HYDROCARBONS SW8270E</b>		<b>(SW3550C)</b>						
1-Methylnaphthalene	2.4	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
2-Methylnaphthalene	3.9	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Acenaphthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Acenaphthylene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Anthracene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Benz(a)anthracene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Benzo(a)pyrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Benzo(b)fluoranthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Benzo(g,h,i)perylene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Benzo(k)fluoranthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Chrysene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Dibenz(a,h)anthracene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Fluoranthene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Fluorene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Indeno(1,2,3-cd)pyrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Naphthalene	2.0	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Phenanthrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Pyrene	BRL	0.36		mg/Kg-dry	363826	1	10/02/2023 19:12	DS
Surr: 2-Fluorobiphenyl	88.1	53.4-120		%REC	363826	1	10/02/2023 19:12	DS
Surr: 4-Terphenyl-d14	94.1	54.3-124		%REC	363826	1	10/02/2023 19:12	DS
Surr: Nitrobenzene-d5	113	49-118		%REC	363826	1	10/02/2023 19:12	DS
<b>PERCENT MOISTURE D2216</b>								
Percent Moisture	8.75	0		wt%	R527089	1	09/28/2023 00:00	JW

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

<b>Client:</b> Terry Environmental Services	<b>Client Sample ID:</b> Trip Blank
<b>Project Name:</b> S-Mart #102	<b>Collection Date:</b> 9/26/2023 8:20:00 PM
<b>Lab ID:</b> 2309N27-011	<b>Matrix:</b> Trip Blank

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Volatile Organic Compounds SW8260D</b>				<b>(SW5030B)</b>				
Benzene	BRL	1.0		ug/L	363766	1	09/28/2023 10:06	AV
Toluene	BRL	1.0		ug/L	363766	1	09/28/2023 10:06	AV
Ethylbenzene	BRL	1.0		ug/L	363766	1	09/28/2023 10:06	AV
Xylenes, Total	BRL	1.0		ug/L	363766	1	09/28/2023 10:06	AV
Naphthalene	BRL	5.0		ug/L	363766	1	09/28/2023 10:06	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	363766	1	09/28/2023 10:06	AV
Surr: 4-Bromofluorobenzene	100	70-126		%REC	363766	1	09/28/2023 10:06	AV
Surr: Dibromofluoromethane	101	77-121		%REC	363766	1	09/28/2023 10:06	AV
Surr: Toluene-d8	99.7	78.6-119		%REC	363766	1	09/28/2023 10:06	AV

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

**SUMMARY OF ANALYTES DETECTED**

Analyses	Result	Qual	Reporting Limit	Units	BatchID	Dilution Factor
<b>Client Sample ID: 07637 S-1</b>						
<b>Collection Date: 9/25/2023 10:34:00 AM</b>						
<b>Lab ID: 2309N27-001</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
m,p-Xylene	0.0063		0.0046	mg/Kg-dry	363666	1
Naphthalene	0.13		0.0046	mg/Kg-dry	363666	1
<b>Client Sample ID: 07637 S-2</b>						
<b>Collection Date: 9/25/2023 11:22:00 AM</b>						
<b>Lab ID: 2309N27-002</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
Naphthalene	0.029		0.0044	mg/Kg-dry	363666	1
<b>Client Sample ID: 07637 S-3</b>						
<b>Collection Date: 9/25/2023 12:02:00 PM</b>						
<b>Lab ID: 2309N27-003</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
Benzene	0.0059		0.0051	mg/Kg-dry	363666	1
Toluene	0.019		0.0051	mg/Kg-dry	363666	1
Ethylbenzene	0.0097		0.0051	mg/Kg-dry	363666	1
m,p-Xylene	0.034		0.0051	mg/Kg-dry	363666	1
o-Xylene	0.0097		0.0051	mg/Kg-dry	363666	1
Naphthalene	0.058		0.0051	mg/Kg-dry	363666	1
<b>Client Sample ID: 07637 S-4</b>						
<b>Collection Date: 9/25/2023 12:10:00 PM</b>						
<b>Lab ID: 2309N27-004</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
Naphthalene	0.018		0.0045	mg/Kg-dry	363666	1
<b>Client Sample ID: 07637 S-5</b>						
<b>Collection Date: 9/25/2023 12:37:00 PM</b>						
<b>Lab ID: 2309N27-005</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
Naphthalene	0.016		0.0052	mg/Kg-dry	363666	1
<b>Client Sample ID: 07637 S-6</b>						
<b>Collection Date: 9/26/2023 12:10:00 PM</b>						
<b>Lab ID: 2309N27-006</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
Toluene	0.010		0.0038	mg/Kg-dry	363666	1
Ethylbenzene	0.0048		0.0038	mg/Kg-dry	363666	1
m,p-Xylene	0.0079		0.0038	mg/Kg-dry	363666	1
o-Xylene	0.0039		0.0038	mg/Kg-dry	363666	1
<b>Client Sample ID: 07637 S-10</b>						
<b>Collection Date: 9/26/2023 12:50:00 PM</b>						
<b>Lab ID: 2309N27-010</b>						
<b>Matrix: Soil</b>						
<b>Volatile Organic Compounds by GC/MS SW8260D (SW5035)</b>						
Benzene	0.031		0.0039	mg/Kg-dry	363666	1
Toluene	0.013		0.0039	mg/Kg-dry	363666	1
Ethylbenzene	1.9		0.19	mg/Kg-dry	363615	50
m,p-Xylene	4.8		0.19	mg/Kg-dry	363615	50
o-Xylene	1.3		0.19	mg/Kg-dry	363615	50
Naphthalene	0.063		0.0039	mg/Kg-dry	363666	1
<b>POLYAROMATIC HYDROCARBONS SW8270E (SW3550C)</b>						
1-Methylnaphthalene	2.4		0.36	mg/Kg-dry	363826	1
2-Methylnaphthalene	3.9		0.36	mg/Kg-dry	363826	1
Naphthalene	2.0		0.36	mg/Kg-dry	363826	1

**SUMMARY OF ANALYTES DETECTED**

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

**SAMPLE/COOLER RECEIPT CHECKLIST**

Clear

Save as

**Terry Environmental Services**

AES Work Order Number: **2309N27**

1. Client Name: \_\_\_\_\_  
 2. Carrier: FedEx  UPS  USPS  Client  Courier  Other \_\_\_\_\_

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
6. Cooler temperature(s) within limits of 0-6°C? [See item 12 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
8. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions.	

12. Cooler 1 Temperature 0.5 °C    Cooler 2 Temperature \_\_\_\_\_ °C    Cooler 3 Temperature \_\_\_\_\_ °C    Cooler 4 Temperature \_\_\_\_\_ °C  
 Cooler 5 Temperature \_\_\_\_\_ °C    Cooler 6 Temperature \_\_\_\_\_ °C    Cooler 7 Temperature \_\_\_\_\_ °C    Cooler 8 Temperature \_\_\_\_\_ °C

13. Comments: \_\_\_\_\_

I certify that I have completed sections 1-13 (dated initials). 9/27/23 AN

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

26. Comments: \_\_\_\_\_

I certify that I have completed sections 14-26 (dated initials). LE 09/27/23

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

	Yes	No	N/A	Details	Comments
27. Have containers needing chemical preservation been checked?*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
28. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Was pH adjusted at Sample Receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		

\*Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 27-29(dated initials). LE 09/27/23

Locked

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363615

Sample ID: <b>MB-363615</b>	Client ID:	Units: <b>ug/Kg</b>	Prep Date: <b>09/27/2023</b>	Run No: <b>527028</b>
Sample Type: <b>MBLK</b>	TestCode: <b>Volatile Organic Compounds by GC/MS SW8260D</b>	BatchID: <b>363615</b>	Analysis Date: <b>09/27/2023</b>	Seq No: <b>12493030</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	250									
Ethylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl tert-butyl ether	BRL	250									
Naphthalene	BRL	250									
o-Xylene	BRL	250									
Toluene	BRL	250									
Surr: 4-Bromofluorobenzene	2634	0	2500		105	70	130				
Surr: Dibromofluoromethane	2984	0	2500		119	70	130				
Surr: Toluene-d8	2430	0	2500		97.2	70	130				

Sample ID: <b>LCS-363615</b>	Client ID:	Units: <b>ug/Kg</b>	Prep Date: <b>09/27/2023</b>	Run No: <b>527028</b>
Sample Type: <b>LCS</b>	TestCode: <b>Volatile Organic Compounds by GC/MS SW8260D</b>	BatchID: <b>363615</b>	Analysis Date: <b>09/27/2023</b>	Seq No: <b>12493029</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	2594	250	2500		104	70	130				
Ethylbenzene	2632	250	2500		105	70	130				
m,p-Xylene	5396	250	5000		108	70	130				
Naphthalene	2444	250	2500		97.8	70	130				
o-Xylene	2764	250	2500		111	70	130				
Toluene	2468	250	2500		98.7	70	130				
Surr: 4-Bromofluorobenzene	2558	0	2500		102	70	130				
Surr: Dibromofluoromethane	2840	0	2500		114	70	130				
Surr: Toluene-d8	2546	0	2500		102	70	130				

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363615

Sample ID: 2309S09-002AMS	Client ID:	Units: mg/Kg-dry	Prep Date: 09/27/2023	Run No: 527063
Sample Type: MS	Test Code: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 363615	Analysis Date: 09/27/2023	Seq No: 12493127

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	1.930	0.16	1.626		119	63	124				
Ethylbenzene	1.852	0.16	1.626		114	59.9	133				
m,p-Xylene	3.680	0.16	3.252		113	61.5	132				
Naphthalene	1.650	0.16	1.626		102	60.1	132				
o-Xylene	1.840	0.16	1.626		113	63	130				
Toluene	1.868	0.16	1.626		115	61.4	128				
Surr: 4-Bromofluorobenzene	1.847	0	1.626		114	65.7	125				
Surr: Dibromofluoromethane	1.778	0	1.626		109	74.3	126				
Surr: Toluene-d8	1.865	0	1.626		115	72.7	124				

Sample ID: 2309S09-002AMSD	Client ID:	Units: mg/Kg-dry	Prep Date: 09/27/2023	Run No: 527063
Sample Type: MSD	Test Code: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 363615	Analysis Date: 09/27/2023	Seq No: 12493130

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	1.848	0.16	1.626		114	63	124	1.930	4.32	20	
Ethylbenzene	1.837	0.16	1.626		113	59.9	133	1.852	0.829	20	
m,p-Xylene	3.634	0.16	3.252		112	61.5	132	3.680	1.24	20	
Naphthalene	1.832	0.16	1.626		113	60.1	132	1.650	10.4	20	
o-Xylene	1.860	0.16	1.626		114	63	130	1.840	1.09	20	
Toluene	1.837	0.16	1.626		113	61.4	128	1.868	1.67	20	
Surr: 4-Bromofluorobenzene	1.864	0	1.626		115	65.7	125	1.847	0	0	
Surr: Dibromofluoromethane	1.745	0	1.626		107	74.3	126	1.778	0	0	
Surr: Toluene-d8	1.875	0	1.626		115	72.7	124	1.865	0	0	

**Qualifiers:**

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363666

Sample ID: <b>MB-363666</b>	Client ID:	Units: <b>ug/Kg</b>	Prep Date: <b>09/27/2023</b>	Run No: <b>527096</b>
Sample Type: <b>MBLK</b>	Test Code: <b>Volatile Organic Compounds by GC/MS SW8260D</b>	BatchID: <b>363666</b>	Analysis Date: <b>09/27/2023</b>	Seq No: <b>12490300</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	5.0									
Ethylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
Toluene	BRL	5.0									
Surr: 4-Bromofluorobenzene	47.35	0	50.00		94.7	70	130				
Surr: Dibromofluoromethane	47.99	0	50.00		96.0	70	130				
Surr: Toluene-d8	49.92	0	50.00		99.8	70	130				

Sample ID: <b>LCS-363666</b>	Client ID:	Units: <b>ug/Kg</b>	Prep Date: <b>09/27/2023</b>	Run No: <b>527096</b>
Sample Type: <b>LCS</b>	Test Code: <b>Volatile Organic Compounds by GC/MS SW8260D</b>	BatchID: <b>363666</b>	Analysis Date: <b>09/27/2023</b>	Seq No: <b>12490301</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	56.13	5.0	50.00		112	70	130				
Ethylbenzene	53.84	5.0	50.00		108	70	130				
m,p-Xylene	105.6	5.0	100.0		106	70	130				
Naphthalene	44.34	5.0	50.00		88.7	70	130				
o-Xylene	53.35	5.0	50.00		107	70	130				
Toluene	53.37	5.0	50.00		107	70	130				
Surr: 4-Bromofluorobenzene	48.46	0	50.00		96.9	70	130				
Surr: Dibromofluoromethane	50.23	0	50.00		100	70	130				
Surr: Toluene-d8	51.62	0	50.00		103	70	130				

**Qualifiers:**

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

Client: Ferry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363666

Sample ID: 2309N27-007AMS	Client ID: 07637 S-7	Units: mg/Kg-dry	Prep Date: 09/27/2023	Run No: 527096
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 363666	Analysis Date: 09/28/2023	Seq No: 12492484

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	0.06338	0.0051	0.0508		125	63	124				S
Ethylbenzene	0.06473	0.0051	0.0508		127	59.9	133				
m,p-Xylene	0.1286	0.0051	0.1016		127	61.5	132				
Naphthalene	0.03526	0.0051	0.0508		69.4	60.1	132				
o-Xylene	0.06361	0.0051	0.0508		125	63	130				
Toluene	0.06304	0.0051	0.0508	0.001353	121	61.4	128				
Surr: 4-Bromofluorobenzene	0.04921	0	0.0508		96.9	65.7	125				
Surr: Dibromofluoromethane	0.04898	0	0.0508		96.4	74.3	126				
Surr: Toluene-d8	0.05091	0	0.0508		100	72.7	124				

Sample ID: 2309N27-008ADUP	Client ID: 07637 S-8	Units: mg/Kg-dry	Prep Date: 09/27/2023	Run No: 527096
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 363666	Analysis Date: 09/28/2023	Seq No: 12492485

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	0.0049						0	0	20	
Ethylbenzene	BRL	0.0049						0	0	20	
m,p-Xylene	BRL	0.0049						0	0	20	
Methyl tert-butyl ether	BRL	0.0049						0	0	20	
Naphthalene	BRL	0.0049						0	0	20	
o-Xylene	BRL	0.0049						0	0	20	
Toluene	BRL	0.0049						0.001209	0	20	
Surr: 4-Bromofluorobenzene	0.04550	0	0.0489		93.0	65.7	125	0.03422	0	0	
Surr: Dibromofluoromethane	0.04593	0	0.0489		93.9	74.3	126	0.03645	0	0	
Surr: Toluene-d8	0.04860	0	0.0489		99.3	72.7	124	0.03874	0	0	

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363766

Sample ID: <b>MB-363766</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/28/2023</b>	Run No: <b>527267</b>
Sample Type: <b>MBLK</b>	TestCode: <b>Volatile Organic Compounds SW8260D</b>	BatchID: <b>363766</b>	Analysis Date: <b>09/28/2023</b>	Seq No: <b>12495582</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0									
Ethylbenzene	BRL	1.0									
Methyl tert-butyl ether	BRL	1.0									
Naphthalene	BRL	5.0									
Toluene	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	49.50	0	50.00		99.0	70	126				
Surr: Dibromofluoromethane	50.06	0	50.00		100	77	121				
Surr: Toluene-d8	49.80	0	50.00		99.6	78.6	119				

Sample ID: <b>LCS-363766</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/28/2023</b>	Run No: <b>527267</b>
Sample Type: <b>LCS</b>	TestCode: <b>Volatile Organic Compounds SW8260D</b>	BatchID: <b>363766</b>	Analysis Date: <b>09/28/2023</b>	Seq No: <b>12495602</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	49.15	1.0	50.00		98.3	78.8	120				
Ethylbenzene	49.19	1.0	50.00		98.4	81.1	122				
Methyl tert-butyl ether	48.50	1.0	50.00		97.0	76.6	124				
Naphthalene	50.62	5.0	50.00		101	67.6	126				
Toluene	48.58	1.0	50.00		97.2	76.6	125				
Xylenes, Total	147.0	1.0	150.0		98.0	79.8	123				
Surr: 4-Bromofluorobenzene	50.17	0	50.00		100	70	126				
Surr: Dibromofluoromethane	49.84	0	50.00		99.7	77	121				
Surr: Toluene-d8	49.67	0	50.00		99.3	78.6	119				

Sample ID: <b>2309S19002.AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/28/2023</b>	RunNo: <b>527267</b>
Sample Type: <b>MS</b>	TestCode: <b>Volatile Organic Compounds SW8260D</b>	BatchID: <b>363766</b>	Analysis Date: <b>09/28/2023</b>	Seq No: <b>12495642</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
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**Qualifiers:**

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363766

Sample ID: 2309S19-002AMS	Client ID:	Units: ug/L	Prep Date: 09/28/2023	Run No: 527267
Sample Type: MS	Test Code: Volatile Organic Compounds SW8260D	BatchID: 363766	Analysis Date: 09/28/2023	Seq No: 12495642

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	54.57	1.0	50.00		109	71.4	135				
Ethylbenzene	54.36	1.0	50.00		109	77	131				
Methyl tert-butyl ether	52.33	1.0	50.00		105	68.9	135				
Naphthalene	50.83	5.0	50.00		102	60.2	132				
Toluene	53.84	1.0	50.00		108	70.3	136				
Xylenes, Total	163.0	1.0	150.0		109	70.1	137				
Surr: 4-Bromofluorobenzene	50.81	0	50.00		102	70	126				
Surr: Dibromofluoromethane	50.48	0	50.00		101	77	121				
Surr: Toluene-d8	49.50	0	50.00		99.0	78.6	119				

Sample ID: 2309S19-001ADUP	Client ID:	Units: ug/L	Prep Date: 09/28/2023	Run No: 527267
Sample Type: DUP	Test Code: Volatile Organic Compounds SW8260D	BatchID: 363766	Analysis Date: 09/28/2023	Seq No: 12495654

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Methyl tert-butyl ether	BRL	1.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
Toluene	BRL	1.0						0	0	30	
Xylenes, Total	BRL	1.0						0	0	30	
Surr: 4-Bromofluorobenzene	49.53	0				70	126	50.14	0	30	
Surr: Dibromofluoromethane	50.49	0				77	121	50.35	0	30	
Surr: Toluene-d8	50.26	0				78.6	119	49.73	0	30	

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

Client: Ferry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363826

Sample ID: <b>MB-363826</b>	Client ID:	Units: <b>ug/Kg</b>	Prep Date: <b>10/02/2023</b>	Run No: <b>527419</b>
Sample Type: <b>MBLK</b>	TestCode: <b>POLYAROMATIC HYDROCARBONS SW8270E</b>	BatchID: <b>363826</b>	Analysis Date: <b>10/02/2023</b>	Seq No: <b>12499758</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330									
2-Methylnaphthalene	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Phenanthrene	BRL	330									
Pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1318	0	1667		79.1	53.4	120				
Surr: 4-Terphenyl-d14	1534	0	1667		92.1	54.3	124				
Surr: Nitrobenzene-d5	1504	0	1667		90.2	49	118				

Sample ID: <b>LCS-363826</b>	Client ID:	Units: <b>ug/Kg</b>	Prep Date: <b>10/02/2023</b>	Run No: <b>527419</b>
Sample Type: <b>LCS</b>	TestCode: <b>POLYAROMATIC HYDROCARBONS SW8270E</b>	BatchID: <b>363826</b>	Analysis Date: <b>10/02/2023</b>	Seq No: <b>12499759</b>

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1419	330	1667		85.1	70	130				
2-Methylnaphthalene	1341	330	1667		80.4	70	130				

**Qualifiers:**

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363826

Sample ID: LCS-363826	Client ID:	Units: ug/Kg	Prep Date: 10/02/2023	Run No: 527419
SampleType: LCS	TestCode: POLYAROMATIC HYDROCARBONS SW8270E	BatchID: 363826	Analysis Date: 10/02/2023	Seq No: 12499759

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1347	330	1667		80.8	70	130				
Acenaphthylene	1377	330	1667		82.6	70	130				
Anthracene	1540	330	1667		92.4	70	130				
Benz(a)anthracene	1499	330	1667		89.9	70	130				
Benzo(a)pyrene	1409	330	1667		84.5	70	130				
Benzo(b)fluoranthene	1439	330	1667		86.3	70	130				
Benzo(g,h,i)perylene	1394	330	1667		83.6	70	130				
Benzo(k)fluoranthene	1559	330	1667		93.5	70	130				
Chrysene	1622	330	1667		97.3	70	130				
Dibenz(a,h)anthracene	1348	330	1667		80.9	70	130				
Fluoranthene	1546	330	1667		92.7	70	130				
Fluorene	1425	330	1667		85.5	70	130				
Indeno(1,2,3-cd)pyrene	1362	330	1667		81.7	70	130				
Naphthalene	1348	330	1667		80.9	70	130				
Phenanthrene	1521	330	1667		91.2	70	130				
Pyrene	1604	330	1667		96.2	70	130				
Surr: 2-Fluorobiphenyl	1327	0	1667		79.6	53.4	120				
Surr: 4-Terphenyl-d14	1475	0	1667		88.5	54.3	124				
Surr: Nitrobenzene-d5	1424	0	1667		85.5	49	118				

Sample ID: 2309N27-001BMS	Client ID: 07637 S-1	Units: mg/Kg-dry	Prep Date: 10/02/2023	Run No: 527419
SampleType: MS	TestCode: POLYAROMATIC HYDROCARBONS SW8270E	BatchID: 363826	Analysis Date: 10/02/2023	Seq No: 12502137

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.743	0.35	1.751	0.1453	91.3	50	121				
2-Methylnaphthalene	1.693	0.35	1.751	0.1797	86.4	51.6	118				
Acenaphthene	1.529	0.35	1.751		87.3	50.8	120				
Acenaphthylene	1.590	0.35	1.751		90.8	52.8	120				

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363826

Sample ID: 2309N27-001BMS	Client ID: 07637 S-1	Units: mg/Kg-dry	Prep Date: 10/02/2023	Run No: 527419
Sample Type: MS	TestCode: POLYAROMATIC HYDROCARBONS SW8270E	BatchID: 363826	Analysis Date: 10/02/2023	Seq No: 12502137

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1.640	0.35	1.751		93.7	54.4	118				
Benz(a)anthracene	1.644	0.35	1.751		93.9	50.5	122				
Benzo(a)pyrene	1.461	0.35	1.751		83.4	50.3	120				
Benzo(b)fluoranthene	1.588	0.35	1.751		90.7	50.1	124				
Benzo(g,h,i)perylene	1.465	0.35	1.751		83.7	50.1	119				
Benzo(k)fluoranthene	1.445	0.35	1.751		82.5	50	128				
Chrysene	1.677	0.35	1.751		95.8	50.4	130				
Dibenz(a,h)anthracene	1.458	0.35	1.751		83.3	50	120				
Fluoranthene	1.653	0.35	1.751		94.4	50.9	126				
Fluorene	1.559	0.35	1.751		89.0	53.7	120				
Indeno(1,2,3-cd)pyrene	1.425	0.35	1.751		81.4	50	120				
Naphthalene	1.733	0.35	1.751	0.2914	82.3	50.2	120				
Phenanthrene	1.647	0.35	1.751		94.1	50.6	118				
Pyrene	1.693	0.35	1.751		96.7	60.1	121				
Surr: 2-Fluorobiphenyl	1.521	0	1.751		86.9	53.4	120				
Surr: 4-Terphenyl-d14	1.596	0	1.751		91.1	54.3	124				
Surr: Nitrobenzene-d5	1.705	0	1.751		97.4	49	118				

Sample ID: 2309N27-001BMSD	Client ID: 07637 S-1	Units: mg/Kg-dry	Prep Date: 10/02/2023	Run No: 527419
Sample Type: MSD	TestCode: POLYAROMATIC HYDROCARBONS SW8270E	BatchID: 363826	Analysis Date: 10/02/2023	Seq No: 12502138

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.751	0.35	1.751	0.1453	91.7	50	121	1.743	0.441	31.3	
2-Methylnaphthalene	1.757	0.35	1.751	0.1797	90.1	51.6	118	1.693	3.69	34.4	
Acenaphthene	1.574	0.35	1.751		89.9	50.8	120	1.529	2.84	29.8	
Acenaphthylene	1.639	0.35	1.751		93.6	52.8	120	1.590	3.08	30.7	
Anthracene	1.717	0.35	1.751		98.1	54.4	118	1.640	4.59	30.1	
Benz(a)anthracene	1.712	0.35	1.751		97.8	50.5	122	1.644	4.05	31	

**Qualifiers:**

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

Client: Terry Environmental Services  
 Project Name: S-Mart #102  
 Workorder: 2309N27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 363826

Sample ID: 2309N27-001BMSD	Client ID: 07637 S-1	Units: mg/Kg-dry	Prep Date: 10/02/2023	Run No: 527419							
Sample Type: MSD	Test Code: POLYAROMATIC HYDROCARBONS SW8270E	BatchID: 363826	Analysis Date: 10/02/2023	Seq No: 12502138							
Analyte	Result	RPD Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1.540	0.35	1.751		87.9	50.3	120	1.461	5.25	31.6	
Benzo(b)fluoranthene	1.596	0.35	1.751		91.2	50.1	124	1.588	0.528	34.6	
Benzo(g,h,i)perylene	1.538	0.35	1.751		87.8	50.1	119	1.465	4.85	25.8	
Benzo(k)fluoranthene	1.554	0.35	1.751		88.8	50	128	1.445	7.29	29	
Chrysene	1.774	0.35	1.751		101	50.4	130	1.677	5.60	30.9	
Dibenz(a,h)anthracene	1.542	0.35	1.751		88.1	50	120	1.458	5.63	25.6	
Fluoranthene	1.704	0.35	1.751		97.3	50.9	126	1.653	3.07	37.4	
Fluorene	1.619	0.35	1.751		92.5	53.7	120	1.559	3.77	29.7	
Indeno(1,2,3-cd)pyrene	1.517	0.35	1.751		86.6	50	120	1.425	6.24	26.4	
Naphthalene	1.750	0.35	1.751	0.2914	83.3	50.2	120	1.733	0.985	39.8	
Phenanthrene	1.735	0.35	1.751		99.1	50.6	118	1.647	5.18	30.5	
Pyrene	1.774	0.35	1.751		101	60.1	121	1.693	4.67	28.9	
Surr: 2-Fluorobiphenyl	1.611	0	1.751		92.0	53.4	120	1.521	0	0	
Surr: 4-Terphenyl-d14	1.688	0	1.751		96.4	54.3	124	1.596	0	0	
Surr: Nitrobenzene-d5	1.807	0	1.751		103	49	118	1.705	0	0	

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

# Draft Memorandum

To: Mill District Alliance and Granby Neighborhood Association

From: Elizabeth H. Carpenter, P.E.

Date: March 1, 2023

RE: Traffic Signal Warrant Study

US 321 (Huger Street) & Catawba Street

A signal warrant study was requested following the February 17<sup>th</sup> meeting held at SCDOT District 1 office with SCDOT, City of Columbia, Mill District Alliance, Granby Neighborhood Association stakeholders, and Subtext Development. The neighborhood is concerned about the growing infrastructure in the area and the existing traffic conditions and has requested a signal at one of the three intersections that access the neighborhood. Out of the three intersections the one with the most existing conditions to warrant a signal is US 321 (Huger Street) & Catawba Street according to SCDOT. Although we do not have all the data needed to do a full Signal Warrant Analysis according the *Manual on Uniform Traffic Control Devices* (MUTCD), we will use the data we have to determine if a warrant can be met to merit the safety concerns of the neighborhood. This report consists of the following sections:

- Description of Existing Conditions
- Traffic Signal Warrant Analysis
- Conclusions and Recommendations

## Existing Conditions

Figure 1 shows an aerial photograph of the subject intersection. US 321 (Huger Street) is a collector street under the jurisdiction of SCDOT. Catawba Street is a local roadway under the jurisdiction of the City of Columbia. US 321 (Huger Street) is a five-lane roadway with two lanes southbound and four lanes (two northbound lanes and dual left turn lanes) northbound. It has a posted speed limit of 35 mph and there are sidewalks on both sides. Catawba Street is a two way street with sidewalks on both sides and a

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raised median with trees planted in the center. There is a left turn lane and a right turn lane at the eastbound stop-controlled approach for Catawba Street at Huger Street. There is an existing crossing for the Norfolk Southern Railroad approximately 140 feet south of the intersection on Huger Street.

A 4 hour traffic count was conducted at the intersection on Tuesday, February 2, 2023 during the 7:00 -9:00 a.m. and 4:00-6:00 p.m. peak hours. The highest hour peak was 5:00-6:00 p.m. The SCDOT count station 40-0527 on Huger Street between Wheat Street and Catawba Street shows 22,800 vehicles per day and count station 40-0618 on Huger Street south of the intersection shows 21,100 vehicles per day for year 2021. Volumes using the existing count data with a growth rate of 1% to year 2026 from *The Verve Student Housing TIA* will be used in this warrant study. Figure 2 shows the volume data. The traffic count data indicates the heaviest traffic movement is on northbound and southbound Huger Street across the railroad crossing during both a.m. and p.m. peak hours. Turn northbound left turn movement is the lightest movement.

## Traffic Signal Warrant Analysis

The *MUTCD* lists nine different traffic signal warrants of which at least one must be met to consider the installation of a traffic signal at the intersection. These warrants are based on a number of variables including existing approach traffic volumes, pedestrian volumes, crash experience, and proximity to rail crossings and schools.

### Applicable Warrants

Each of the nine traffic signal warrants contained in the *MUTCD* was reviewed to determine its applicability at the intersection. The applicable warrants are described in more detail below:

- Warrant 2: Four-Hour Vehicular Volume – The total volume on both major street approaches and the higher-volume minor street approach must fall above the applicable curve when plotted on Figure 4C-1 in the *MUTCD* for any four hours of the day.
- Warrant 3: Peak Hour Vehicular Volume – The total volume on both major street approaches and the higher-volume minor street approach must fall above the applicable curve when plotted on Figure 4C-3 in the *MUTCD* for the same 1 hour (any four consecutive 15-minute periods) of the day.
- Warrant 9: Intersection Near a Railroad Grade Crossing – A traffic signal installation shall be considered when both of the following conditions are met:

---

o An at-grade railroad crossing exists on a STOP- or YIELD-controlled approach and the distance from the center of the track nearest to the intersection to the stop or yield line is less than 140 feet.

o During the peak traffic hour during which train crossings occur, the plotted point representing the total volume on both major street approaches and the corresponding vehicles per hour on the minor street approach that crosses the track falls above the applicable curve on Figure 4C-9 or Figure 4C-10 for the combination of approach lanes over the track and the clear storage distance.

### Warrant Analysis

- Warrant 2: Four Hour Vehicular Volume – Figure 3 shows the two-way volumes on Catawba Street and Huger Street plotted on Figure 4C-1 from the MUTCD that exceed the minimum requirement for major approach with 2 lanes and minor approaches with one lane. One lane was used instead of two due to the length of the left turn lane being short. One hour of the analysis period met the minimum requirements. Therefore, the required traffic conditions for Warrant 2 were not met for the hours counted, and **Warrant 2 is not satisfied.**

- Warrant 3: Peak Hour Vehicular Volume – The volumes on Huger Street and Catawba Street were plotted on Figure 4C-3 from the MUTCD for the evening peak hour. Figure 4 shows that the evening peak hour does exceed the minimum requirement for major approaches with two lanes and minor approaches with one lane. Therefore, the required traffic conditions for Warrant 3 were met for the evening peak hour, and **Warrant 3 is satisfied.**

- Warrant 9: Intersection Near a Railroad Grade Crossing – Even though the intersection is very close to an existing grade crossing, the northbound Huger Street approach is not controlled by a STOP or YIELD sign as described in the MUTCD as a criterion for Warrant 9, and thus **Warrant 9 is not satisfied.**

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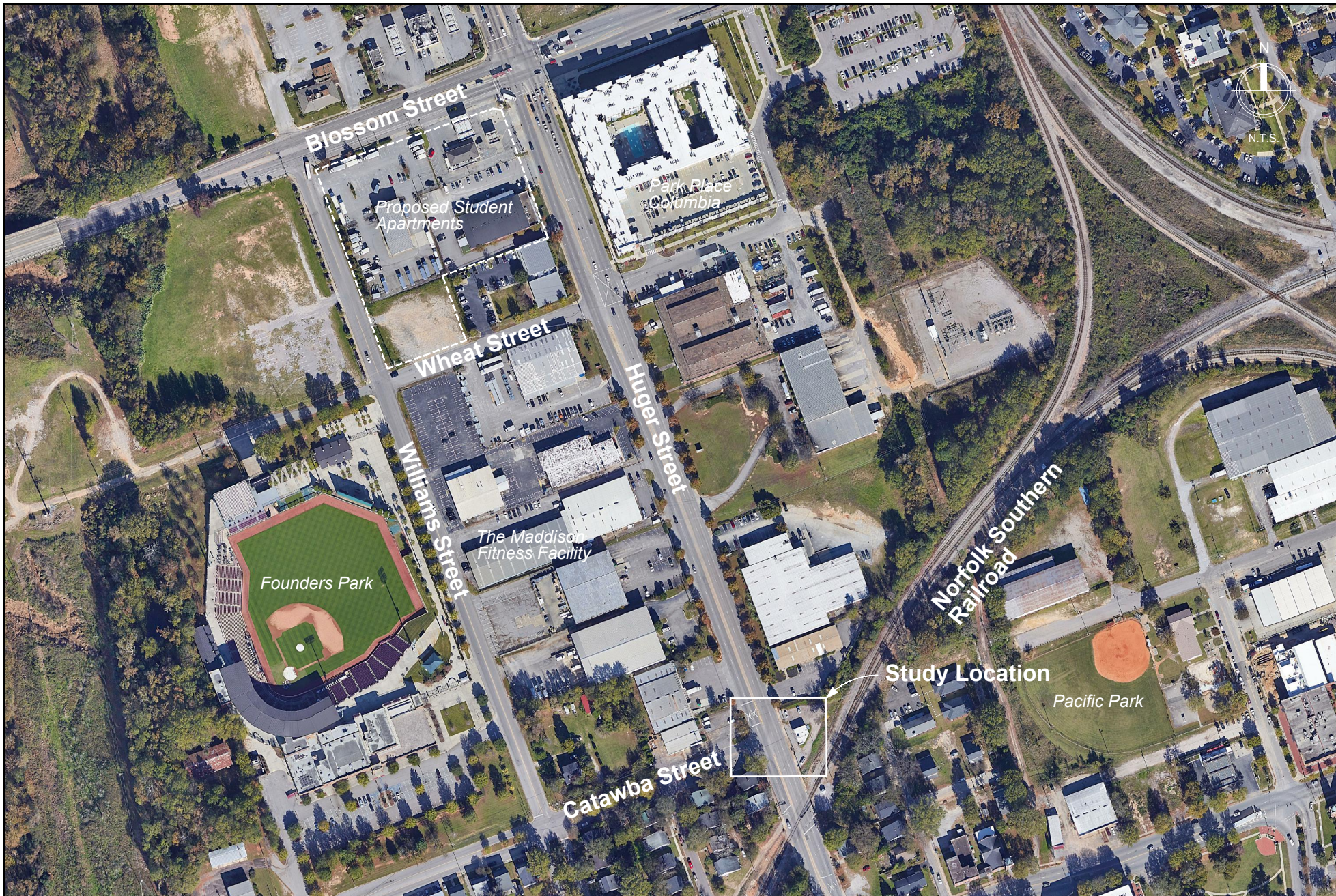
## Conclusions and Results

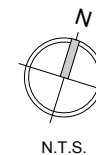
This report has presented the results of a traffic signal warrant study at the intersection of Huger Street and Catawba Street in the City of Columbia, SC. The study was performed as a follow-up to a meeting held on Friday, February 17<sup>th</sup> where SCDOT met with the developer, members of the neighborhood, City of Columbia staff and elected representatives to discuss additional mitigations that, while not required, could be beneficial to the neighborhood. The neighborhood expressed a desire for a traffic signal at the intersection of Catawba and Huger Streets. The findings of the traffic signal warrant study can be summarized as follows:

- The MUTCD 4 hour volume warrant study did not meet, however it was close and could potentially meet with a full study and 8 hour count data
- The MUTCD peak hour volume warrant study did meet warrant for a Traffic Signal Installation; however, SCDOT typically does not install signals for this warrant alone.
- The railroad data did not satisfy the warrant due to the railroad not being on the existing stop roadway

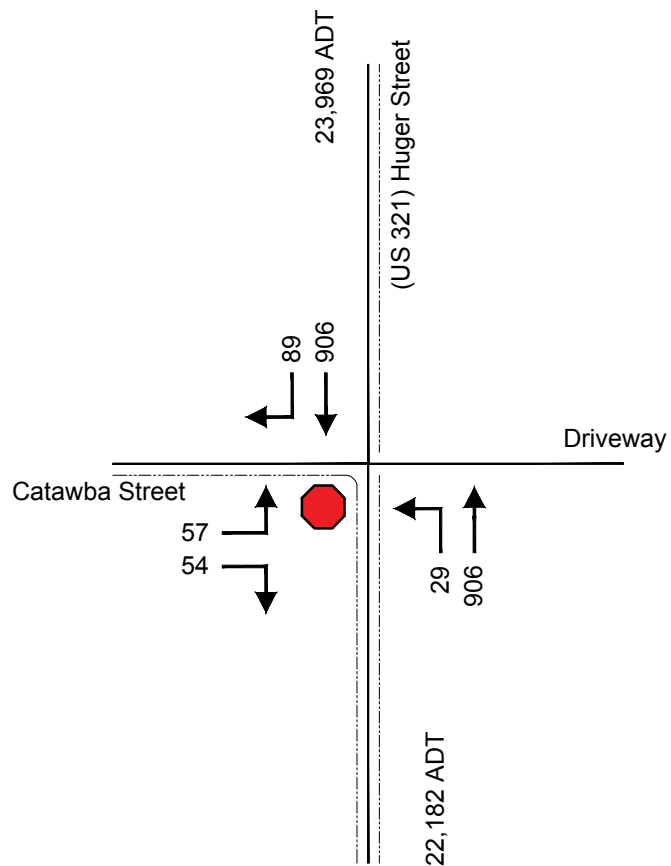
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## FIGURES





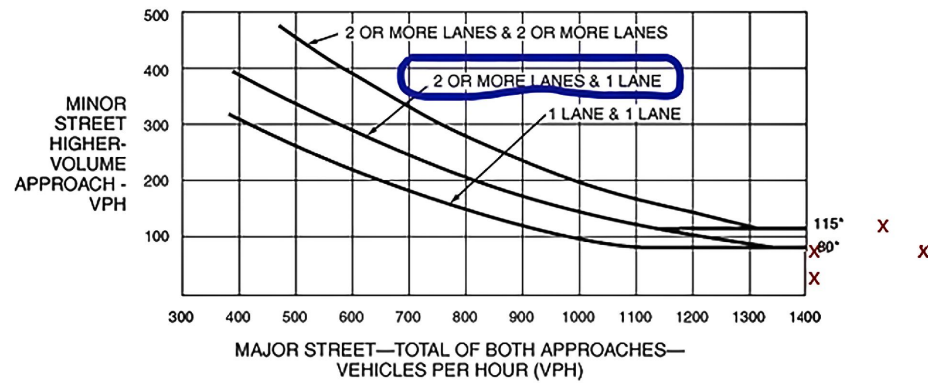
Peak Hour:  
5:00 - 6:00 P.M.



Legend	
←	Directional Movement
XX	PM Traffic Volumes
●	Stop Sign Controlled
----	Sidewalk

**2009 Edition Part 4 Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume**

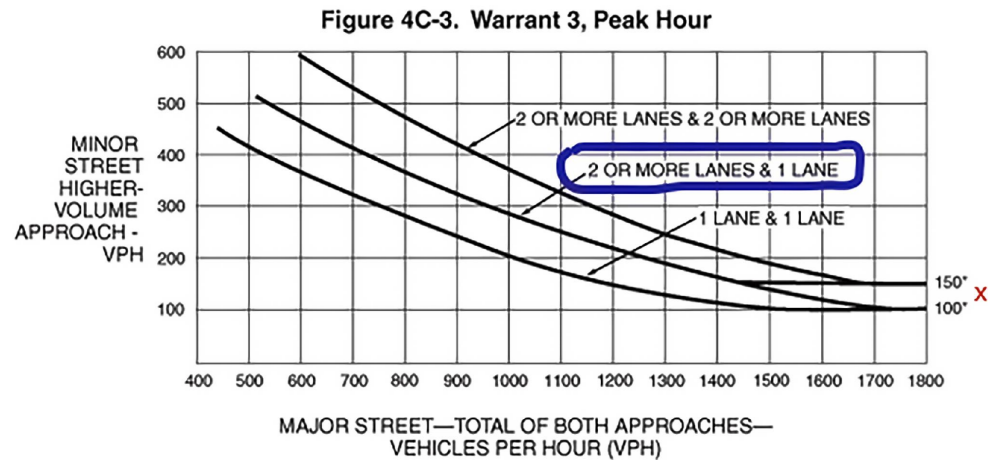
**Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume**



\*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

2026 Volumes		
Time	Minor St Volume	Major St Volume
7-8 am	53	1475
8-9 am	80	1420
4-5 pm	76	2090
5-6 pm	110	1954

## 2009 Edition Part 4 Figure 4C-3. Warrant 3, Peak Hour



\*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

2026 Volumes		
Time	Minor St Volume	Major St Volume
5-6 pm	110	1954

**From:** [Bethany Rooney](#)  
**To:** [Lord, Leighton](#); [Hampton, Kathryn J.](#); [Mitchell Korte](#)  
**Subject:** FW: Columbia/Blossom St - Light at Catawba  
**Date:** Tuesday, February 28, 2023 6:46:59 PM

---

{EXTERNAL EMAIL}

Here is the SCDOT approval of our TIA.

I will ask the traffic engineer to provide the most up to date version the TIA and forward to you upon receipt.

**Bethany Rooney**

*Please note: I recognize that each of us work in different ways and at different times. While I have sent this email at a time that works for me, I do not expect that you will read, respond or take action on this outside of your normal work hours.*

(o) 314-328-6420 | (c) 205-267-8099  
[brooney@subtextliving.com](mailto:brooney@subtextliving.com) | [subtextliving.com](http://subtextliving.com)

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---

**From:** Campbell, Lori E. <CampbellLE@scdot.org>  
**Sent:** Tuesday, February 28, 2023 5:15 PM  
**To:** Bethany Rooney <BRooney@subtextliving.com>; Elizabeth Carpenter <Liz@ehaselden.com>  
**Cc:** Fredendall, Joseph D. <FredendallJD@scdot.org>; Kelly, Matthew T. <KellyMT@scdot.org>; Johnson, Evan A. <JohnsonEA@scdot.org>; Haggard, Caroline O. <HaggardCO@scdot.org>  
**Subject:** RE: Columbia/Blossom St - Light at Catawba

SCDOT has reviewed the Draft Traffic Impact Analysis for The Verve Student Housing development. As stated in the analysis, it is expected that the proposed land use will generate less peak hour traffic than the current land uses on the site. The development will, however, slightly increase traffic on some of the network roadways, primarily Williams and Wheat Streets. The primary driver of delays along these roadways and intersections is the existing traffic with minimal increase in delays attributable to the development itself.

We concur with the recommendations of the traffic analysis and would require the following mitigations:

- Extension of the concrete median along Huger to create a continuous median from Blossom Street to Wheat Street
- Reconstruction of all existing driveways along Blossom and Huger Street to create

continuous sidewalk and remove existing curb cuts.

- Potential designation of a dedicated NB left turn lane from Huger onto Wheat Street using existing roadway. (Details to be worked out during design phase)
- Installation of pavement markings along the western leg of Wheat Street to create desired laneage as well as pedestrian crosswalk.
- Installation of pavement markings on the southern leg of Williams Street to create desired laneage as well as a pedestrian crosswalk.

These improvements would meet SCDOT requirements related to traffic mitigation for the proposed development. As always, the development will have to comply with all SCDOT standards and requirements related to driveway construction, widths, drainage, etc.

As an aside – SCDOT met with the developer, members of the neighborhood, City of Columbia staff and elected representatives on Friday, February 17<sup>th</sup> to discuss additional mitigations that, while not required, could be beneficial to the neighborhood. The neighborhood expressed a desire for a traffic signal at the intersection of Catawba and Huger Streets. SCDOT is willing to issue a permit for the construction of a traffic signal at this location provided that a Traffic Signal Warrant Analysis shows that the traffic signal either currently meets traffic signal warrants or is likely to meet warrants based on the development traffic and rerouting of the existing traffic. Once a Traffic Signal Warrant Analysis has been submitted, SCDOT will review the analysis and, if warranted, issue concurrence on the analysis allowing the design and construction of the signal at this location to proceed.

Please let me know if you have any additional questions or concerns.

Thanks,  
Lori

*Lori Campbell, PE, CPM  
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