

NORTH CAROLINA BROWNFIELDS REDEVELOPMENT SECTION ENVIRONMENTAL MANAGEMENT PLAN

This form is to be used to prepare an Environmental Management Plan (EMP) for projects in the North Carolina Brownfields Redevelopment Section at the direction of a Brownfields project manager.

The EMP is a standard requirement of a Brownfields Agreement (BFA). Its purpose is to clarify actions to be taken during demolition and construction at Brownfields properties in an effort to avoid delays in the event of the discovery of new contamination sources or other environmental conditions. The EMP provides a means to document redevelopment plans and environmental data for each applicable environmental medium to inform regulatory-compliant decision-making at the site. As much detail as possible should be included in the EMP, including contingency planning for unknowns. Consult your project manager if you have questions.

Prospective Developers and/or their consultants must complete and submit this form and all pertinent attachments, see checklist below, to their Brownfields project manager prior to any earthmoving or other development-related activities that have the potential to disturb soil at the Brownfields Property, including demolition. For the EMP to be valid for use, it must be completed, reviewed by the Section, signed by all parties working on the project, and approved by the Brownfields project manager. Failure to comply with the requirements of the EMP could jeopardize project eligibility, or in the event of a recorded agreement, be cause for a reopener.

The EMP is valid only for the scope of work described herein and must be updated to be applicable for new phases of redevelopment or after significant changes in applicable regulatory guidance. Risk characterization of a Brownfields Property to DEQ's written satisfaction is required prior to EMP approval.

Voluntary Metrics Tab

The NC Brownfields Redevelopment Section updates estimated capital investment (from the Brownfields Property Application) and estimated jobs created (from the Brownfields Agreement) whenever possible. As a voluntary measure, you may opt to complete the below information for capital investment and jobs created as estimated by your final redevelopment plans for the Brownfields Property:

1. Estimated capital investment in redevelopment project: Estimated at \$20 million
2. Estimated jobs created:
 - a. Construction Jobs: Unknown
 - b. Full Time Post-Redevelopment Jobs: 40

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So that the EMP provides value in protecting Brownfields eligibility and public health, the preparer shall ensure that the following steps have been completed prior to submitting the EMP for review. **Any EMP prepared without completing all of the following is premature and may be returned without comment.**

- Site sampling and assessment that meets Brownfields' objectives is complete and has been reviewed and approved by the Brownfields project manager.
- Specific redevelopment plans, even if conceptual, have been developed for the project, submitted and reviewed by the Brownfields project manager.

Please submit, along with the completed EMP form, the following attachments, as relevant and applicable to the proposed redevelopment:

- A set of redevelopment plans, including architectural/engineering plans, if available; if not, conceptual plans may suffice if updated when detailed plans are drafted.
- A figure overlaying redevelopment plans on a map of the extent of contamination for each media.
- Site grading plans that include a cut and fill analysis.
- A figure showing the proposed location and depth of impacted soil that would remain onsite after construction grading.
- Any necessary permits for redevelopment (i.e. demolition, etc.).

Note: Local permits are unknown at this time, any demolition or other permits will be provided if they are required.

- A detailed construction schedule that includes timing and phases of construction.
- Tabulated data summaries for each impacted media (i.e. soil, groundwater, soil gas, etc.) applicable to the proposed redevelopment.
- Figures with the sampling locations and contamination extents for each impacted media applicable to the proposed redevelopment.
- A full final grade sampling and analysis plan, if the redevelopment plan is final.
- If known, information about each proposed potential borrow soil source, such as aerial photos, historic site maps, historic Sanborn maps, a site history, necessary for Brownfields approval.

- Information and, analytical data if required, for quarries, or other borrow sources, detailing the type of material proposed for import to the Brownfields Property.
- A work plan for the sampling and analysis of soil to be brought onto the Brownfields Property. Refer to [Issue Resolution 15](#) in Brownfields Redevelopment Section Guidelines.
- A map of the Brownfields Property showing the location of soils proposed for export and sampling data from those areas.
- If a Vapor Intrusion Mitigation System (VIMS) is required by the Brownfields Redevelopment Section, the VIMS plan will be signed and sealed by a NC Professional Engineer. The VIMS Plan may also be submitted under separate cover.

GENERAL INFORMATION

Date: 10/2/2025

Revision Date (if applicable): 5/15/2026

Brownfields Assigned Project Name: Lauren Fleming

Brownfields Project Number: 28063-24-041

Brownfields Property Address: 1 Metals Drive, 5818 West Gate City Boulevard, & 5820 West Gate City Boulevard, Greensboro, North Carolina 27407

Brownfields Property Area (acres): 18.71

Is Brownfields Property Subject to RCRA Permit?..... Yes No
 If yes enter Permit No.: Click or tap here to enter text.

Is Brownfields Property Subject to a Solid Waste Permit..... Yes No
 If yes, enter Permit No.: Click or tap here to enter text.

COMMUNICATIONS

A copy of this EMP shall be distributed to all the parties below as well as any contractors or site workers that may be exposed to site vapors, soil, groundwater, and/or surface water. Additionally, a copy of the EMP shall be maintained at the Brownfields Property during redevelopment activities in an area that is prominently accessible to site workers. NOTE, THE EMP DOES NOT TAKE THE PLACE OF A SITE-SPECIFIC HEALTH AND SAFETY PLAN.

Prospective Developer (PD): Riverside Construction Materials, Inc.
 Contact Person: James Graf

Phone Numbers: Office: 215-295-0777
Email: jgraf@silvi.com

Mobile: 484-576-0663

Contractor for PD: TBD

Contact Person: TBD

Phone Numbers: Office: TBD

Email: TBD

Mobile: TBD

Environmental Consultant: ECS Southeast, LLC

Contact Person: Emery Lovekamp

Phone Numbers: Office: 704-525-5152

Email: elovekamp@ecslimited.com

Mobile: 980-506-7986

Brownfields Redevelopment Section Project Manager: Lauren Fleming

Phone Numbers: Office: 919-707-8294

Email: lauren.fleming@deq.nc.gov

Mobile: Click or tap here to enter text.

Other DEQ Program Contacts (if applicable, i.e., UST Section, Inactive Hazardous Site Branch, Hazardous Waste, Solid Waste):

Per information found in the NCDEQ Site Locator Tool, the site is listed in IHSB database; however, contact information was not found in this source.

NOTIFICATIONS TO THE BROWNFIELDS REDEVELOPMENT SECTION

Written advance Notification Times to Brownfields project manager: Check each box to accept minimum advance notice periods (in calendar days) for each type of onsite task:

On-site assessment or remedial activities:..... 10 days Prior

Construction or grading start:..... 10 days Prior

Discovery of stained soil, odors, USTs, buried drums or waste, landfill, or other signs of previously unknown contamination: Within 48 hours

Implementation of emergency actions (e.g. dewatering, flood or soil erosion control measures in area of contamination, ventilation of work zones):..... Within 48 hours

Installation of mitigation systems:..... 10 days Prior

Other notifications as required by local, state or federal agencies to implement redevelopment activities: (as applicable): Within 30 days

REDEVELOPMENT PLANS

1) Type of Redevelopment (check all that apply):

- Residential Townhomes (Prior written DEQ approval REQUIRED regardless of ownership structure) Recreational Institutional Commercial Office Retail Industrial
 Other specify:

Rail transload facility and concrete plant

2) Check the following activities that will be conducted prior to commencing earth-moving activities at the site:

- Review of historic maps (Sanborn Maps, facility maps)
 Conducting geophysical surveys to evaluate the location of suspect UST, fuel lines, utility lines, etc.
 Interviews with employees/former employees/facility managers/neighbors

3) Summary of Redevelopment Plans (MANDATORY: attach detailed plans or conceptual plans, if detailed plans are not available. EMP review without such information would be premature): Provide brief summary of redevelopment plans, including demolition, removal of building slabs/pavement, grading plans and planned construction of new structures:

Redevelopment of the site is currently planned to consist of a rail transload facility and concrete plant. Structures include an elevated office space/scale house (construction trailer), a maintenance building, rail unloading shed, cement silos, skimmer basins, truck parking areas, and additional parking areas for employees. New rail track will be added to the existing rail track that adjoins the property to the north. The rail track will extend from north to south on the eastern portion of the site. Demolition plans currently include the removal of concrete pillars on the western portion of the site, two concrete building slabs, two existing buildings, two concrete walls, one culvert, and multiple stormwater drains/pipes.

4) Do plans include demolition of structure(s)?:

- Yes No Unknown

If yes, please check here to confirm that demolition will be conducted in accordance with applicable legal requirements, including without limitation those related to lead and asbestos abatement that are administered by the Health Hazards Control Unit within the Division of Public Health of the North Carolina Department of Health and Human Services. If available, please provide a copy of your demolition permit.

5) Are sediment and erosion control measures required by federal, state, or local regulations?

S&EC requirements can be found at: <https://deq.nc.gov/about/divisions/energy-mineral-and-land-resources/erosion-and-sediment-control/erosion-and-sediment-control-laws-and-rules>

- Yes No Unknown

If yes, please check here to confirm that earth-work will be conducted in accordance with applicable legal requirements. If soil disturbance is necessary to install sediment and erosion control measures, they may not begin until this EMP is approved.

6) Which category of risk-based screening level is used or is anticipated to be specified in the Brownfields Agreement? Note: If children frequent the property, residential screening levels shall be cited in the Brownfields Agreement for comparison purposes.

Residential Non-Residential or Industrial/Commercial

7) Schedule for Redevelopment (attach construction schedule):

a) Construction start date: 3Q26

b) Anticipated duration (specify activities during each phase):

Redevelopment activities are planned to last approximately 9 months.

c) Additional phases planned? Yes No

If yes, specify the start date and/or activities if known:

Start Date: Click or tap to enter a date.

Planned Activity:

Click or tap here to enter text.

Start Date: Click or tap to enter a date.

Planned Activity:

Click or tap here to enter text.

Start Date: Click or tap to enter a date.

Planned Activity:

Click or tap here to enter text.

d) Provide the planned date of occupancy for new buildings: 1Q27

CONTAMINATED MEDIA

Please fill out the sections below, using detailed site plans, if available, or estimate using known areas of contaminated soil and a conceptual redevelopment plan. Provide a figure overlaying new construction onto figure showing contaminated soil and groundwater locations.

1) **Contaminated Media on the Brownfields Property**

- Part 1. Soil: Yes No Suspected Unknown
- Part 2. Groundwater:..... Yes No Suspected Unknown
- Part 3. Surface Water: Yes No Suspected Unknown N/A
- Part 4. Sediment: Yes No Suspected Unknown N/A
- Part 5. Soil Vapor: Yes No Suspected Unknown
- Part 6. Sub-Slab Soil Vapor: Yes No Suspected Unknown
- Part 7. Indoor Air: Yes No Suspected Unknown

- 2) For the Area of Proposed Redevelopment on the Brownfields Property, attach tabulated data summaries for each impacted media and figure(s) with sample locations.

PART 1. SOIL

1) Known or suspected contaminants in soil (list general groups of contaminants):

Benzene in sample B-6 was detected at a concentration greater than its Protection of Groundwater Preliminary Soil Remediation Goal (PSRG). Tetrachloroethene (PCE) in samples B-6, B-8, and B-DUP were detected at concentrations greater than its Protection of Groundwater PSRG. Arsenic in samples B-1, B-3, B-4, B-4-C, B-4-D, B-5-C, B-6, B-14, B-DUP and WC-1 was detected at concentrations greater than its Industrial/Commercial PSRG. Arsenic in samples B-1, B-3, B-4, B-4-D, B-5-C, and B-14 was also detected at concentrations greater than its Protection of Groundwater PSRG. Cadmium in samples B-1, B-3, B-4-C, B-4-D, and B-6 was detected at concentrations greater than its Protection of Groundwater PSRG. Hexavalent chromium in sample B-9 was detected a concentration greater than its Protection of Groundwater PSRG. Copper in sample B-4-D was detected a concentration greater than its Protection of Groundwater PSRG. Lead in samples B-1, B-3, B-4-C, B-4-D, and B-6 was detected at concentrations greater than its Protection of Groundwater PSRG. Lead in sample B-4-D was detected at a concentration greater than its Industrial/Commercial PSRG. Selenium in samples B-3, B-4, and B-9 was detected at concentrations greater than its Protection of Groundwater PSRG. Zinc in samples B-1, B-3, B-4-D, and B-6 was detected at concentrations greater than its Protection of Groundwater PSRG. PFOS in samples B-1-P, B-3-P, B-6-P, B-8-P, B-10-P, B-11-P, B-13-P, and B-DUP was detected at concentrations greater than its Protection of Groundwater PSRG. PFOA in samples B-1-P, B-11-P, B-13-P, B-14-P, and B-DUP was detected at concentrations greater than its Protection of Groundwater and Industrial/Commercial PSRGs.

2) Depth of known or suspected contaminants (feet):

0-2 feet below grade

3) Area of soil disturbed by redevelopment (square feet):

Approximately 392,040 square feet (9 acres). See the attached cut and fill analysis.

4) Depths of soil to be excavated (feet):

The maximum depth of soil to be excavated is approximately less than five feet for the installation of utilities.

5) Estimated volume of soil (cubic yards) to be excavated (attach grading plan):

11,020.82 cubic yards. Based on the attached cut and fill analysis, the estimated volume of soil anticipated for fill is greater than the estimated volume of excavated soil at this time.

6) Estimated volume of excavated soil (cubic yards) anticipated to be impacted by contaminants:

Unknown. Based on the attached cut and fill analysis and Figure 3 (*Soil Sampling Location Map*), the soil to be excavated is approximately located in the B-4, B-5, and B-7 sampling grids.

Compounds of concern detected above applicable PSRGs in soil samples collected from sampling grids B-4 and B-5 were previously stated in this section. Compounds of concern were not detected above applicable PSRGs in soil samples collected from sampling grid B-7.

7) Estimated volume of contaminated soil expected to be disposed of offsite, if applicable:

Based on the attached cut and fill analysis, the estimated volume of soil anticipated for fill is greater than the estimated volume of excavated soil at this time. The excavated soil is anticipated to be used as fill for site grading.

Lead in sample B-4-D was detected at a concentration greater than its Industrial/Commercial PSRG. If soil in the approximate area of sample B-4-D cannot be reused onsite under impervious cap or clean fill cap material (2-foot minimum thickness), the soil will be disposed offsite at a Subtitle D landfill. The specific landfill is to be determined.

PART 1.A. MANAGING ONSITE SOIL

If soil is anticipated to be excavated from the Brownfield Property, relocated on the Brownfields Property, or otherwise disturbed during site grading or other redevelopment activities, please provide a grading plan that clearly illustrates areas of cut and fill (approximate areas & volumes are acceptable, if only preliminary data available).

1) HAZARDOUS WASTE DETERMINATION:

a) Does the soil contain a LISTED WASTE as defined in the North Carolina Hazardous Waste Section under 40 CFR Part 261.31-261.35?..... Yes No

If yes, explain why below, including the level of knowledge regarding processes generating the waste (include pertinent analytical results as needed).

[Click or tap here to enter text.](#)

If yes, do the soils exceed the "Contained-Out" levels in Attachment 1 of the North Carolina Contained-In Policy?..... Yes No

b) NOTE: IF SOIL MEETS THE DEFINITION OF A LISTED HAZARDOUS WASTE AND EXCEEDS THE CONTAINED-OUT LEVELS IN ATTACHMENT 1 TO THE NORTH CAROLINA CONTAINED-IN POLICY, THE SOIL MAY NOT BE RE-USED ONSITE AND MUST BE DISPOSED OF IN ACCORDANCE WITH DEQ HAZARDOUS WASTE SECTION RULES AND REGULATIONS.

c) Does the soil contain a CHARACTERISTIC WASTE?..... Yes No

If yes, mark reason(s) why below (and include pertinent analytical results).

Ignitability [Click or tap here to enter text.](#)

Corrosivity [Click or tap here to enter text.](#)

Reactivity [Click or tap here to enter text.](#)

- Toxicity** Click or tap here to enter text.
- TCLP results** Click or tap here to enter text.
- Rule of 20 results** (20 times total analytical results for an individual hazardous constituent on TCLP list cannot, by test method, exceed regulatory TCLP standard)
Click or tap here to enter text.

If no, explain rationale:

TCLP results for select soil samples are included in the attached Table 2. TCLP RCRA 8-Metals concentrations were detected below their respective EPA Title 40 Maximum Concentration of Contaminants (MCCs) for Toxicity Characteristic in soil samples B-1-TCLP, B-3-TCLP, B-6-TCLP, B-12-TCLP, DUP-TCLP, B-1-A, B-4-C, B-4-D, B-5-C, and B-8-C.

d) NOTE: IF SOIL MEETS THE DEFINITION OF A CHARACTERISTIC HAZARDOUS WASTE, THE SOIL MAYNOT BE RE-USED ONSITE AND MUST BE DISPOSED OF IN ACCORDANCE WITH DEQ HAZARDOUS WASTE SECTION RULES AND REGULATIONS.

2) Screening criteria by which soil disposition decisions will be made (e.g., left in place, capped in place with low permeability barrier, removed to onsite location and capped, removed offsite):

- Preliminary Health-Based Residential SRGs
- Preliminary Health-Based Industrial/Commercial SRGs
- Division of Waste Management Risk Calculator (For Brownfields Properties Only)
- Site-specific risk-based cleanup level. Please provide details of methods used for determination/explanation.

Click or tap here to enter text.

Additional comments:

Click or tap here to enter text.

3) If known impacted soil is proposed to be reused within the Brownfields Property boundary, please check the measures that will be utilized to ensure safe placement and documentation of same. Please attach a proposed location diagram/site map.

- Provide documentation of analytical report(s) to Brownfields project manager.
- Provide documentation of final location, thickness and depth of relocated soil onsite map to Brownfields project manager once known.
- Geotextile to mark depth of fill material.

Provide description of material:

Geotextile, if necessary, will be considered as part of impacted soil management; however, details on potential geotextile products is unknown at this time.

Manage soil under impervious cap **or clean fill**

Describe cap or fill:

If contaminated soil is encountered and reused onsite, it will either be:

- 1.) Located underneath impervious cap such as asphalt/concrete parking, and/or drive areas; or,
- 2.) Place below two (2) feet of demonstrably clean fill cap material. A witness barrier will be positioned above contaminated soil in these capped areas.

Lead in sample B-4-D was detected at a concentration greater than its Industrial/Commercial PSRG. If soil in the approximate area of sample B-4-D cannot be reused onsite under impervious cap or clean fill cap material (2-foot minimum thickness), the soil will be disposed offsite at a Subtitle D landfill.

Confer with NC BF project manager if Brownfield Plat must be revised (or re-recorded if actions are Post-Recordation).

GPS the location and provide site map with final location.

Other. Please provide a description of the measure:

The above options are provided in the event unknown impacted soil management is needed.

4) **Please describe the following action(s) to be taken during and following excavation and management of site soils:**

Check to confirm that management of fugitive dust from site activities will be handled in accordance with applicable local, state, and federal requirements.

Field screening of site soil

At a minimum, contractors shall be made aware of protocols should impacted soils (e.g. staining, unusual odors, fill materials) be identified.

Describe the field screening method, frequency of field screening, person conducting field screening:

During soil disturbance, the workers or contractors will observe soils for evidence of distinct unnatural color, strong odor, or fill materials of concern (i.e., chemicals, tanks, drums, subsurface piping, etc.). Should the above be noted during site work, the contractor will contact the project's environmental consultant to observe the suspect condition. If the environmental consultant confirms material may be impacted by using field observations and/or screening with Photoionization Detector or Flame Ionization Detector (PID/FID), then the soils will be managed in accordance with this EMP and the NCDEQ, BF Project Manager will be contacted within 48 hours to advise that person of the condition.

Soil sample collection

Yes

Not anticipated - In order to avoid delays in construction, a plan shall be in place for sampling of suspect soils should they be encountered during redevelopment. If soil sample collection is not anticipated but the need to do so is identified during redevelopment, notify the Brownfields project manager of the anticipated sample and report dates for scheduling purposes.

Describe the sampling method (e.g., in-situ grab, composite, stockpile, etc.) and confirm that all procedures outlined in applicable DEQ guidance for assessment shall be followed Typically, at least one representative sample (per 500 yd³ for residential and 1,000 yd³ for commercial) consisting of a 3 to 5-point composite sample with grab sample for VOCs based on the highest PID reading is required to determine soil management options:

If suspected soil impact is encountered during construction or removal of site structures, excavation will proceed only as far as needed to allow construction of the structure to continue and/or only as far as needed to allow alternate corrective measures described below. Suspect impacted soil excavated during structure construction or removal may be stockpiled and covered in a secure area to allow construction to progress. Stockpiling must be conducted in a manner consistent with the guidance provided herein. The NCBP Diagram for Temporary Containment of Impacted or Potentially Impacted Soil is attached. If soil stockpiling occurs and samples are required, the stockpile will be gridded off in approximately 1,000 cubic yard (CY) cells for the collection of approximately one 5-point composite sample for every 1,000 CY and in general accordance with the most current Inactive hazardous Sites Branch (IHSB) Guidelines for Assessment and Cleanup of Contaminated Sites. One grab sample for VOCs will be collected from every 1,000 CY cell, based upon PID screening results, with the composite sample collected from each 1,000 CY cell submitted for analysis for SVOCs, RCRA 8-Metals, hexavalent chromium, and PFAS. Construction debris such as asphalt and concrete will be segregated from soil and disposed of as construction debris. This debris will be required to shaken, tumbled, etc., if necessary, in order to ensure no soil is adhered to the construction debris prior to disposal.

Check applicable chemical analytes for soil samples:

Minimum Sample Requirements: Volatile organic compounds (VOCs) by EPA Method 8260; Semi-volatile organic compounds (SVOCs) by EPA Method 8270; and Metals RCRA List + Hexavalent Chromium by EPA Method 6020/7199

Pesticides: Specify Analytical Method Number(s):
[Click or tap here to enter text.](#)

PCBs: Specify Analytical Method Number(s):
[Click or tap here to enter text.](#)

Other Constituents & Respective Analytical Method(s) (e.g. Herbicides):
[PFAS by EPA Method 1633](#)

Check to confirm that by the owner's signature and the North Carolina Professional

Engineer/Geologist sealing this EMP the consultant understands that no work plan for suspect soil sample collection will be submitted beyond this EMP, and that it is the responsibility of the sealing professional and property owner to ensure that all applicable guidelines and methodologies are followed and reported to DEQ for determination and approval of soil placement prior to final relocation.

If impacted soils above applicable PSRGs and/or site specific risk thresholds are proposed to be relocated on-site, prior to final placement on-site, the following shall be submitted for DEQ review/approval

- Analytical data that has been sampled in accordance with the above referenced frequency and following procedures outlined in the most recent Brownfields Redevelopment Section *Environmental Site Assessment Work Plan Minimum Requirements Checklist (Checklist)* and in accordance with DEQ IHSB *Guidelines for Assessment and Cleanup of Contaminated Sites (Guidelines)*
- Figure outlining planned soil placement and any future site features including buildings/hardscape/open areas
- A North Carolina PE/PG recommendation of placement

Impacts	Options	
	Onsite Placement without conditions	Onsite placement under 2 ft of cap or clean fill ^{1, 2}
All Constituents below applicable PSRGs	X	
Constituents ³ below applicable PSRGs; Metals below background but above PSRGs	X	
Constituents ³ below applicable PSRGs; Metals above Background /PSRGs		X
Constituents above Applicable PSRGs		X

1: Requires Prior Written DEQ Approval

2: VOC impacted soils above applicable PSRGs shall not be placed directly beneath building footprints without prior written DEQ approval.

3: Constituents indicate any samples evaluated for other than metals.

Check to confirm that stockpiling of known or suspected impacted soils will be conducted in accordance with Figure 1 of this EMP. Stockpile methodology should provide erosion control, prohibiting contact between surface water/precipitation and contaminated soil, and preventing contaminated runoff. Explain any variances or provide additional details as needed:

Upon excavation of soils that appear impacted, the potentially impacted soils will be segregated, stockpiled on plastic, and covered to protect from runoff. The NCDEQ, BF Project Manager will be notified within 48 hours and the stockpiled soils will be sampled as described above. Upon receipt of laboratory results, the NCDEQ BF Project Manager will be notified, and should soils be approved by the Brownfields Program for reuse on site as fill material as outlined in Item 2 and 3 above, the soils will be transported and placed at final fill location under asphalt/concrete parking and/or drive areas

or in landscaped area and covered with demonstrably clean fill. Analytical results and a summary table will be provided to DEQ for review and soil will be managed in accordance with managing on-site soil, as outlined in Item 3 above. Analytical results and methodologies for sampling, along with final disposition of the soils, will be summarized in the Redevelopment Summary Report.

Final grade sampling of exposed native soil (i.e., soil that will not be under buildings or permanent hardscape). Select chemical analyses for final grade samples with check boxes below (Check all that apply):

Minimum Sample Requirements: Volatile organic compounds (VOCs) by EPA Method 8260; Semi-volatile organic compounds (SVOCs) by EPA Method 8270; and Metals RCRA List + Hexavalent Chromium by EPA Method 6020/7199

Pesticides: Specify Analytical Method Number(s):
Click or tap here to enter text.

PCBs: Specify Analytical Method Number(s):
Click or tap here to enter text.

Other Constituents & Respective Analytical Method(s) (e.g. Herbicides):
PFAS by EPA Method 1633

Please provide a scope of work for final grade sampling, including a diagram of soil sampling locations, number of samples to be collected, and brief sampling methodology. Samples should be collected from 0-2 ft below ground surface, with the exception of VOCs which should be taken from 1-2 ft below ground surface. Alternatively, indicate if a work plan for final grade sampling may be submitted under separate cover.

Final grade sampling will be performed for areas not covered by expansion foundations, or impervious surfaces. Following completion of soil disturbance for future site development (i.e., after grading and utility construction), an environmental professional will be contacted to assess the site for areas that are not covered with a minimum of 2 feet of demonstrably clean fill soil or topsoil from a landscaping company, expansion foundations, sidewalks, asphalt or concrete parking areas (including the parking deck), driveways or other impervious surfaces.

A Work Plan for final grade sampling will be prepared for DEQ review and approval. If no such area exists, documentation will be provided to the NCDEQ.

Any final grade sampling activities will be completed following construction of the expansions and prior to occupancy of the expansions.

If final grade sampling was NOT selected, please explain rationale:
Click or tap here to enter text.

PART 1.B. IMPORTED FILL SOIL

NO SOIL MAY BE BROUGHT ONTO THE BROWNFIELDS PROPERTY WITHOUT PRIOR APPROVAL FROM THE BROWNFIELDS REDEVELOPMENT SECTION. According to the Brownfields IR 15, “Documenting imported soil (by sampling, analysis, and reporting in accordance with review and written approval in advance by the Brownfields Redevelopment Section), will safeguard the liability protections provided by the brownfields agreement and is in the best interest of the prospective developer/property owner.”

Requirements for importing fill:

Check to confirm that the import volumes outlined below have been confirmed based on geotechnical evaluations.

1) Will fill soil be imported to the site?..... Yes No Unknown

2) If yes, what is the estimated volume of fill soil to be imported?

Unknown. Based on the attached cut and fill analysis, the fill volume exceeds the excavated soil volume by a nominal amount of approximately 289 cubic yards. The excavated soil is anticipated to be used as fill for site grading.

If necessary, imported fill soil will come from a NCDEQ Brownfields pre-approved quarry or North Carolina Division of Energy, Mineral, and Land Resources (DEMLR) landfill. The Martin Marietta – Salem Quarry in Kernersville, North Carolina is currently the closest NCDEQ pre-approved quarry. Virgin material from the Martin Marietta – Salem Quarry does not require sampling based on pre-approval from the Brownfields program. Source material from the Martin Marietta – Salem Quarry must be virgin, undisturbed land and not apart of a recycling program. If fill soil is imported from a DEMLR landfill, a minimum of one sample for VOCs, SVOCs, RCRA metals, hexavalent chromium, and PFAS will be collected per site, per phase of work. The sample will be collected from the material in the area of property planned for export. Additional sampling requirements for imported fill soil are listed in the *Guidelines for Beneficial Reuse of Excess of Soils from Regulated Properties* (September 2025).

Bulk landscape material from a commercial vendor does not require sampling. Soil import sampling requirements for various sources are listed in the table below.

3) If yes, what is the anticipated depth that fill soil will be placed at the property? (*If a range of depths, list the range.*)

If necessary, approximately 0-5 feet below grade

PRIOR TO SOIL PLACEMENT AT THE BROWNFIELDS PROPERTY, a *Soil Import Request* must be submitted for DEQ Brownfields review and approval. The request shall consist of a data package that details:

- Fill source location/history (Phase I if available, current aerials, etc.)
- Analytical data that has been sampled in accordance with the below frequency and

following procedures outlined in the most recent Brownfields Redevelopment Section *Environmental Site Assessment Work Plan Minimum Requirements Checklist (Checklist)* and in accordance with DEQ IHSB *Guidelines for Assessment and Cleanup of Contaminated Sites (Guidelines)*

- A table comparing the import soil to existing site concentrations
- A PE/PG recommendation of import
- All relevant attachments listed in the *Checklist*

Soil Import Sampling Requirements:

Source	Sample Frequency	Sample Analysis
Virgin Material from DEQ Brownfields Pre-approved Quarry	None (Contact Brownfields project manager for list of pre-approved Quarries)	
DEQ Permitted Quarry (Not Brownfields Pre-approved)	At least one representative sample from area of planned import	VOCs, SVOCs, RCRA Metals, any site specific COCs (e.g. pesticides, PCBs, etc.)
Other NC DEQ Brownfields Property	At least one representative sample per 1,000 yd ³ consisting of a 3-point composite sample with grab sample for VOCs based on the highest PID reading	VOCs, SVOCs, RCRA Metals, any site specific COCs (e.g. pesticides, PCBs, etc.)
Off-site unpermitted/regulated property		
Bulk Landscape Material from Commercial Vendor (i.e. topsoil)	No Sampling Required	

If other special considerations apply, discuss:

Import soil sampling from a DEQ Permitted Quarry (not Brownfields pre-approved) will also include hexavalent chromium using EPA Method 7199 and PFAS using EPA Method 1633.

Check to confirm that by the owner’s signature and the North Carolina Professional Engineer/Geologist sealing this EMP the consultant understands that no work plan for suspect soil sample collection will be submitted beyond this EMP, and that it is the responsibility of the sealing professional and property owner to ensure that all applicable guidelines are followed and reported in the *Soil Import Request* for DEQ approval. Failure to meet these requirements could result in resampling and/or failure to approve import.

PART 1.C. SOIL EXPORT

NO SOIL MAY LEAVE THE BROWNFIELDS PROPERTY WITHOUT APPROVAL FROM THE BROWNFIELDS REDEVELOPMENT SECTION. Failure to obtain approval may violate a brownfields agreement causing a reopener or jeopardizing eligibility in the Section, endangering liability protections and making said action possibly subject to enforcement. Justifications provided below must be approved by the Section in writing prior to completing transport activities. Refer

to Brownfields IR 15 for additional details.

- 1) If export from the Brownfields Property is anticipated, export soil must be sampled at a frequency of one sample per 1,000 yd³ consisting of a 3-point composite sample with a grab sample for VOCs based on the highest PID reading. Samples shall be analyzed at a minimum for VOCs, SVOCs, and RCRA metals plus any site specific COCs.

PRIOR TO EXPORT FROM THE BROWNFIELDS PROPERTY, a *Soil Export Request* must be submitted for DEQ Brownfields review and approval. The request shall consist of a Data Package that details:

- Proposed Receiving Facility
- Analytical data that has been sampled in accordance with the above referenced frequency and following procedures outlined in the most recent Brownfields Redevelopment Section *Environmental Site Assessment Work Plan Minimum Requirements Checklist (Checklist)* and in accordance with DEQ IHSB *Guidelines for Assessment and Cleanup of Contaminated Sites (Guidelines)*
- A table comparing the export soil to concentrations on the receiving site concentrations including risk comparison (Note that calculated risk cannot be increased on the receiving site)
- A North Carolina PE/PG recommendation of export
- Written approval from the receiving site property owner representative for export
- All relevant attachments listed in the *Checklist*

Soil Export Options

Impacts	Options			
	Use as Beneficial Fill	Off-site disposal at other Brownfields Property ^{2,6,7}	Off-site disposal at LCID/CD Landfill ^{1,3}	Off-site disposal at Subtitle D MSW/Permitted Landfarm ⁴
All Constituents below applicable PSRGs	X	X	X	X
Constituents ⁵ below applicable PSRGs; Metals below background but above PSRGs		X	X	X
Constituents ⁵ below applicable PSRGs; Metals above Background /PSRGs		X	X	X
Constituents above Applicable PSRGs		X		X

- 1: Requires Prior Written DEQ Approval
- 2: VOC impacted soils above applicable PSRGs shall not be placed directly beneath building footprints without prior written DEQ approval.
- 3: Requires comparison to site specific metals concentrations.
- 4: Facility to determine if they can accept soil within their permit.
- 5: Constituents indicate any samples evaluated for other than metals.
- 6: Requires written approval from receiving site property owner representative.
7. Site COCs must be in comparable concentrations to receiving site and not significantly raise risk of

the receiving site.

Check to confirm that by the owner's signature and the North Carolina Professional Engineer/Geologist sealing this EMP the consultant understands that no work plan for suspect soil sample collection will be submitted beyond this EMP, and that it is the responsibility of the sealing professional and property owner to ensure that all applicable guidelines are followed and reported in the *Soil Export Request* for DEQ approval. Failure to meet these requirements could result in resampling and/or failure to approve export.

If other special considerations apply, discuss:

If necessary, soil export will be transported to a Subtitle D landfill for disposal. The specific landfill is to be determined. Depending on the facility, export soil sampling may be analyzed for additional compounds.

PART 1.D. MANAGEMENT OF UTILITY TRENCHES

Install liner between native impacted soils and base of utility trench before filling with clean fill (Preferred)

Last out, first in principle for impacted soils (if soil can safely be reused onsite and is not a hazardous waste), i.e., impacted soils are placed back at approximately the depths they were removed from such that impacted soil is not placed at a greater depth than the original depth from which it was excavated.

Evaluate whether necessary to install barriers in conduits to prevent soil vapor transport, and/or degradation of conduit materials due to direct impact with contaminants.

If yes, provide specifications on barrier materials or provide the results of this evaluation in the Vapor Mitigation Plan. **Note** that if vapor mitigation is planned for site buildings, utility corridors will need to be evaluated as part of mitigation designs:

Click or tap here to enter text.

If no, include rationale here:

Updated predevelopment site plans include three enclosed buildings with new slab construction. Based on soil vapor sampling results and the NCDEQ Risk Calculator, one building is being considered for the installation of a soil vapor barrier. This building is associated with soil vapor sample SV-2. Further details are included in Part 5 of this EMP.

Unknown, details to be provided in the Vapor Mitigation Plan for site buildings

Other comments regarding managing impacted soil in utility trenches:

The environmental professional will remain on call on an as-needed-basis during redevelopment activities at the Site. In the event suspected contaminated soil and/or vapors are encountered in utility trenches during redevelopment activities (based on observed soil staining or discoloration, unusual and/or strong odors, or physical effects such as dizziness, lightheadedness, coughing,

difficulty breathing, etc.), the trench will be evacuated, and the environmental professional will be called to perform appropriate safety screening of the soil/vapors. Safety screening activities include screening the soil using a PID and monitoring the worker breathing zone with a multi-gas monitor (or similar instrument[s] capable of detecting VOCs and combustible gases). If the environmental professional confirms that the material may be impacted, then the procedures outlined in Part 1.A. Managing On-Site Soil above will be implemented, and appropriate engineering controls (such as the use of industrial fans) will be implemented. In addition, the environmental professional will contact the DEQ Brownfields project manager within 48 hours to advise that person of the condition.

PART 2. GROUNDWATER

1) What is the depth to groundwater at the Brownfields Property?

Depth to groundwater is approximately 1 to 22 feet based upon depth to water measurements collected on June 6, 2025, from onsite permanent monitoring wells GW-1 through GW-10. Depth to groundwater at monitoring wells GW-8 and GW-9 was measured at 1.06 and 1.49 feet, respectively. It should be noted that wells GW-8 and GW-9 are believed to be under artesian conditions.

2) What is the maximum depth of soil disturbance onsite?

Soil disturbance is not expected to exceed 5 feet in depth. Soil disturbance is not expected in the areas of monitoring wells GW-8 and GW-9.

3) Is groundwater known to be contaminated by onsite offsite both or unknown sources? Describe source(s):

PCE in sample GW-10 was detected at a concentration greater than its North Carolina 2L Groundwater Quality Standards (NC2LGWQS). Cadmium in sample GW-2 was detected at a concentration greater than its NC2LGWQS. Chromium in samples GW-7 and duplicate sample DUP-1 was detected at concentrations greater than its NC2LGWQS. PFOS was detected in groundwater samples GW-1-P, GW-2-P, GW-3-P, GW-5-P, and GW-10-P at a concentration greater than its respective NC2LGWQS. PFOA was detected in groundwater samples GW-1-P, GW-2-P, GW-3-P, GW-5-P, and GW-10-P at a concentration greater than its respective NC2LGWQS. For non-naturally occurring substances for which numeric groundwater standards have not been established, detections above the laboratory reporting limit (RL) are considered to be a violation of the North Carolina Groundwater Standards per 15A NCAC 02L. 0202. PFBS was detected in groundwater samples GW-2-P through GW-5-P and DUP-2-P at a concentration greater than its respective laboratory RL. PFHxA was detected in groundwater samples GW-3-P and GW-5-P at a concentration greater than its respective laboratory RL. PFBA, PFPeA, and PFPeS were detected in groundwater sample GW-5-P at concentrations greater than their respective laboratory RL. PFHpA and PFHxS were detected in groundwater samples GW-2-P, GW-3-P, and GW-5-P at concentrations greater than their respective laboratory RLs. Additional PFAS compounds were detected at concentrations greater than the laboratory method detection limits but less than their respective laboratory RLs in groundwater samples GW-1-P through GW-4-P and GW-10-P. However, estimated concentrations (J-flag qualifier) are not considered to be a violation of the NC2LGWQS.

The source(s) of the contaminants detected in groundwater at the subject property is (are) unknown. Potential sources may include, but are not necessarily limited to:

- The historic use of the subject property as an apparent metal scrap yard and smelting facility.
- The historic use of the subject property as a wood treatment facility.
- The historic operation of the former eastern adjoining furniture finishing facility.
- The current and historic operation of two southeastern adjoining automotive repair facilities.

4) What is the direction of groundwater flow at the Brownfields Property?

Based upon the surveyed elevations of the top-of-casing of each monitoring well and the depth to water measurements collected on June 10, 2025, groundwater flows approximately to the west.

5) Will groundwater likely be encountered during planned redevelopment activities (e.g. footer/utility construction or helical pilings?)

Yes No

If yes, describe these activities:

Click or tap here to enter text.

In the event that groundwater is encountered during redevelopment activities (even if no is checked above), list activities for contingent management of groundwater (e.g., dewatering of groundwater from excavations or foundations, containerizing, offsite disposal, discharge to sanitary sewer, NPDES permit, or sampling procedures).

If groundwater is encountered during redevelopment activities, appropriate worker safety measures will be undertaken and groundwater will be allowed to re-infiltrate for approximately 24 hours (if it does not affect the construction schedule). If accumulated water remains, samples of the accumulated water will be collected and analyzed for VOCs, SVOCs, RCRA 8-metals, and PFAS to determine if contaminants are present. Accumulated water that contains contaminants above NC2LGWQS will be containerized and disposed at an off-site permitted facility in accordance with regulatory requirements. Accumulated water that does not contain contaminants above NC2LGWQS will be managed on the site by allowing to re-infiltrate to the ground or discharged to the storm sewer in accordance with municipal, state and federal requirements.

6) Are monitoring wells currently present on the Brownfields Property?..... Yes No

If yes, are any monitoring wells routinely monitored through DEQ or other agencies?..... Yes No

7) Please check methods to be utilized in the management of known and previously unidentified wells.

Abandonment of site monitoring wells in accordance with all applicable regulations. It is the Brownfields Redevelopment Section’s intent to allow proper abandonment of well(s) as specified in the Brownfields Agreement, except if required for active monitoring through another section of DEQ or the EPA.

Location of existing monitoring wells marked

- Existing monitoring wells protected from disturbance
- Newly identified monitoring wells will be marked and protected from further disturbance until notification to DEQ Brownfields can be made and approval for abandonment is given.

8) Please provide additional details as needed:

The existing permanent monitoring wells will be abandoned in accordance with applicable regulations prior to pre-development activities.

Please note, disturbance of existing site monitoring wells without approval by DEQ is not permissible. If monitoring wells are damaged and/or destroyed, DEQ may require that the PD be responsible for replacement of the well.

PART 3. SURFACE WATER

- 1) Is surface water present at the property? Yes No
- 2) If yes, attach a map showing the location of surface water at the Brownfields Property
- 3) Is surface water at the property known to be contaminated? Yes No Unknown

Copper was detected in surface water samples SW-2, SW-3, and SW-DUP at a concentration greater than its calculated North Carolina 2B Surface Water Standard (NC2BSWS). Lead was detected in surface water samples SW-3 and SW-DUP at a concentration greater than its calculated NC2BSWS.

- 4) Will workers or the public be in contact with surface water during planned redevelopment activities or as part of the final redevelopment? Yes No
- 5) In the event that contaminated surface water is encountered during redevelopment activities, or clean surface water enters open excavations, list activities for management of such events (e.g. flooding, contaminated surface water run-off, stormwater impacts):

See Sheet No. C1-01 in the provided preliminary civil construction drawings for onsite surface water features. Additionally, Figure 6 depicts the approximate location of an onsite stream in the southern portion of the property. The stream is located in a wooded area outside of the development area.

If surface water run-off gathers in an open excavation within an area determined to be impacted during construction activities, appropriate worker safety measures will be undertaken. The accumulated water will be allowed to evaporate/infiltrate to the extent time for dissipation does not disrupt the construction schedule. Should the time needed for natural dissipation of accumulated water be deemed inadequate, the water will be analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, RCRA 8-Metals by EPA Methods 6020 and 7470, and PFAS by EPA Method 1633 and will be properly managed if impacted. Options for water disposal include 1) containerizing, characterizing and disposing of the water at a permitted treatment facility; 2) discharging in accordance with a NPDES General Permit NCG01 for Construction Stormwater; 3) discharging to the storm sewer if below NCAC 2B Surface Water Standards and after appropriate sediment control in accordance with the sedimentation and erosion control permit; and 4) using for on-Site dust control if significant VOC or SVOC concentrations are not present.

PART 4. SEDIMENT

- 1) Are sediment sources present on the property? Yes No
- 2) If yes, is sediment at the property known to be contaminated? Yes No Unknown

Arsenic was detected in sediment sample SS-1 at a concentration greater than its Industrial/Commercial PSRG. PFOA was detected in sediment samples SS-3-P and SS-DUP-P greater than its respective Industrial/Commercial PSRG.

- 3) Will workers or the public be in contact with sediment during planned redevelopment activities? Yes No
- 4) Attach a map showing the location of known contaminated sediment at the property.
- 5) In the event that contaminated sediment is encountered during redevelopment activities, list activities for management of such events (stream bed disturbance):

See Sheet No. C1-01 in the provided preliminary civil construction drawings for onsite surface water features. Additionally, Figure 6 depicts the approximate location of an onsite stream in the southern portion of the property. The stream is located in a wooded area outside of the development area.

If sediment is encountered and determined to be impacted during construction activities, appropriate worker safety measures will be undertaken. The sediment will be analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, RCRA 8-Metals by EPA Methods 6020 and 7471, and PFAS by EPA Method 1633 and will be properly managed if impacted. Sediment will be managed by the same criteria as outlined in *Part 1.A. Managing Onsite Soil*.

PART 5. SOIL VAPOR

- 1) Do concentrations of volatile organic compounds at the Brownfields property exceed the vapor intrusion screening levels (current version) in the following media:

	Groundwater	Exterior Soil Vapor	Sub-Slab Soil Vapor
Residential	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown
Commercial	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown

Vinyl chloride was detected in soil vapor sample SV-2 at a concentration greater than its respective Residential and Non-Residential VISL. Benzene and TCE were detected in soil vapor sample SV-2 at concentrations greater than their respective Residential VISL. Dichlorodifluoromethane was detected in soil vapor sample SV-3 at a concentration greater than its respective Residential VISL.

- 2) Attach a map showing the locations of all soil vapor samples including any soil vapor contaminants that exceeds screening levels and overlays planned site development features.

- 3) If applicable, at what depth(s) is exterior soil vapor known to be contaminated?

6 feet below grade

4) If applicable, at what depth(s) is sub-slab soil vapor known to be contaminated?

0-6 inches Other, please describe:

Unknown

5) Will workers encounter contaminated exterior or sub-slab soil vapor during planned redevelopment activities? Yes No Unknown

In the event that apparent contaminated soil vapor is encountered (based on elevated PID readings, unusual odors, etc.) during redevelopment activities (trenches, manways, basements or other subsurface work,) list activities for management of such contact, INCLUDING notification to DEQ within 48 hours of identification of the issue for determination of additional requirements:

Updated predevelopment site plans include three enclosed buildings with new slab construction. Figure 6 depicts the locations of the proposed enclosed buildings and the soil vapor sampling locations. Vinyl chloride was detected in soil vapor sample SV-2 at a concentration greater than its respective Residential and Non-Residential VISL.

If contaminated soil vapors are detected via olfactory observations made, contractors/workers will stop work, take appropriate measures and contact ECS to mobilize to the site for observation and documentation. The Brownfields Program Project Manager will be notified within 48 hours of the observation, and additional assessment will be discussed with Brownfields. If the vapors are field screened and indicate conditions such that immediate danger to life and health are of concern, the area shall be evacuated, and the local Fire Department contacted. ECS will then assist in documenting the conditions and assist in determining engineering controls for the vicinity of concern.

PART 6. INDOOR AIR

1) Are indoor air data available for the Brownfields Property? Yes No

2) If applicable, attach a map showing the location(s) where indoor air contaminants exceed site screening levels.

3) If the structures where indoor air has been documented to exceed risk-based screening levels will not be demolished as part of redevelopment activities, will workers encounter contaminated indoor air during planned redevelopment activities? Yes No Unknown N/A

If no, include rationale here:

Click or tap here to enter text.

4) In the event that contaminated indoor air is encountered during redevelopment activities, list activities for management of such contact:

If there are sub-slab/utility trench vapor contamination issues, indoor air will be periodically monitored using a calibrated PID/FID. In the event that contaminated indoor air is encountered based upon olfactory observations made by contractors/workers, indoor air quality will be ventilated using blowers and fans to circulate air throughout the redevelopment process.

VAPOR INTRUSION MITIGATION SYSTEM

1) Is a vapor intrusion mitigation system (VIMS) proposed for this Brownfields Property?

Yes No Unknown

If no or unknown, include rationale here as well as plans for pre-occupancy sampling, as necessary:

Based on the Hazard Index for vapor intrusion in the NCDEQ Risk Calculator results, a VIMS will be considered for the enclosed building associated with soil vapor sample SV-2 as shown on Figure 6. Vinyl chloride was detected in SV-2 at a concentration greater than its respective Residential and Non-Residential VISL as described above. Building plans that include a VIMS have not been finalized at this time. Pre-Occupancy and Non-Residential Post-Occupancy sampling will be conducted in accordance with the *Minimum Mitigation and Sample Requirements for Reuse Matrix 2* document (May 2024).

If yes, VIMS Plan Attached or VIMS Plan to be submitted separately

If submitted separately provide date:

Not applicable

VIMS Plan shall be signed and sealed by a NC Professional Engineer and follow the DEQ Brownfields Redevelopment Section's *Vapor Intrusion Mitigation System Design Submittal Requirements*.

Note that approval of this EMP does not imply approval with any vapor intrusion mitigation land use restrictions or requirements of the recorded or draft Brownfields Agreement and that separate approval of mitigation measures will be required.

CONTINGENCY PLAN

In this section, please provide actions that will be taken to identify or manage unknown potential new sources of contamination. During redevelopment activities, it is not uncommon that unknown tanks, drums, fuel lines, landfills, or other waste materials are encountered. Notification to DEQ Brownfields project manager, UST Section, Fire Department, and/or other officials, as necessary and appropriate, is required when new potential source(s) of contamination are discovered. These Notification Requirements were outlined on Page 1 of this EMP.

Should potentially impacted materials be identified that are inconsistent with known site impacts, the DEQ Brownfields project manager will be notified, and a sampling plan will be prepared based on the EMP requirements and site-specific factors. Samples will generally be collected to document the location of the potential impacts.

Check the following chemical analysis that are to be conducted on newly identified releases:

Minimum Sample Requirements: Volatile organic compounds (VOCs) by EPA Method 8260:

Semi-volatile organic compounds (SVOCs) by EPA Method 8270; and Metals RCRA List + Hexavalent Chromium by EPA Method 6020/7199

Pesticides: Specify Analytical Method Number(s):

Click or tap here to enter text.

PCBs: Specify Analytical Method Number(s):

Click or tap here to enter text.

Other Constituents & Analytical Method(s) (e.g. Herbicides)

Please note, if field observations indicate the need for additional analyses, they should be conducted, even if not listed here.

PFAS by EPA Method 1633

Please provide details on the proposed methods of managing the following commonly encountered issues during redevelopment of Brownfields Properties.

Underground Storage Tanks – Note that UST Section guidelines must be followed for sample frequency during UST closure. Unless damage to onsite structures to remain as part of redevelopment would occur, USTs shall be removed from the Brownfields Property:

In the event that an unknown UST or impacts associated with an unknown UST release are discovered at the Site during redevelopment activities, the UST and/or UST-related impacts will be addressed through the Brownfields Program. If encountered, the contents of an UST will be evaluated, and based on the contents, the UST will be removed and transported offsite for disposal/recycling. Fluids within a discovered UST will be removed using a vacuum truck, tested, and properly disposed. Impacted soil in the vicinity of the UST will be managed in accordance with the "Managing On-Site Soil" section outlined above in the EMP. Following UST removal or closure in place, closure soil sampling will be performed in general accordance with the DEQ UST Section guidelines. In addition, to the target analytes in UST Section guidelines, samples will also be analyzed for VOCs, SVOCs, and RCRA metals.

If a UST is encountered that cannot be removed or does not require removal for geotechnical or construction purposes, it may be abandoned in-place with prior DEQ approval and construction will proceed. Where appropriate, the bottom may be penetrated before abandonment to prevent fluid accumulation. The Brownfields Program Project Manager will be notified within 48 hours of the discovery of the UST.

Sub-Grade Feature/Pit:

If sub-grade features, pits, etc. are encountered, the contractor will be instructed to stop work and contact ECS to evaluate the feature. If the pit has waste in it, the waste will be set aside in a secure area and will be sampled for waste disposal purposes for TCLP VOCs, TCLP SVOCs, and TCLP metals and disposed of off-site at a permitted facility or the waste will be managed in accordance with the Managing On-Site Soil section outlined above in the EMP, whichever is most applicable based on the type of waste present. If the pit must be removed and the observed waste characteristics

indicate the concrete may potentially be contaminated to a significant degree, the concrete will be sampled and analyzed by methods specified by the disposal facility.

In the event that an unknown sub-grade feature, pit or associated impacts from a release are discovered at the site during redevelopment activities, the feature and /or related impacts will be addressed through the Brownfields Redevelopment Section. The Brownfields Project Manager will be notified within 48 hours of the discovery.

Buried Waste Material – Note that if buried waste, non-native fill, or any obviously filled materials is encountered, the DEQ Brownfields Redevelopment Section must be notified to determine if investigation of landfill gases is required:

If buried waste material is encountered, the contractor will be instructed to stop work and contact ECS to evaluate. Following evaluation, if confirmed, the waste will be removed, characterized, and disposed of off-site. Soil samples will be collected from the base and sidewalls (one for every 10 feet of base/sidewall) of the excavated material and submitted for laboratory analysis as referenced above.

If the buried materials or soil do not require removal for geotechnical or construction purposes and based on the sample results (as discussed in Part 1.A. above), they will remain in-place and construction will proceed. If the fill material is to be removed, confirmation sampling will be conducted at representative locations in the base and the sidewalls of the excavation after the waste or significantly impacted media is removed. The confirmation samples will be analyzed for VOCs, SVOCs, RCRA metals plus hexavalent chromium, and PFAS. Areas of suspected contaminated soil that remain at the Site after excavation is complete above the non-residential PSRGs will be managed pursuant to this plan and incorporated into the final Brownfields Plat.

In the event that buried waste material is encountered at the site during redevelopment activities, the material and/or related impacts will be addressed through the Brownfields Redevelopment Section. The Brownfields Project Manager will be notified within 48 hours of the discovery to determine whether landfill gases on site need to be evaluated. Following evaluation, if confirmed, the waste will be removed, characterized, and disposed of offsite or, with the Brownfields Project Manager's prior approval, managed onsite.

Re-Use of Impacted Soils Onsite:

If impacted soil is encountered during redevelopment activities and is able to be reused onsite based on geotechnical characteristics and nature of soil contaminant impacts, we will confer with the Brownfields Project Manager to determine if the location(s) of the reused soil need(s) to be surveyed and the plat be updated.

If unknown, impacted soil is identified onsite, management onsite can be considered after the project team provides the necessary information, outlined in Part 1.A. Item 11, for Brownfields project manager approval prior to final placement onsite.

If other potential contingency plans are pertinent, please provide other details or scenarios as needed below:

Not applicable

POST-REDEVELOPMENT REPORTING

Check this box to acknowledge that a Redevelopment Summary Report will be required for the project. If the project duration is longer than one year, an annual update is required and will be due by January 31 of each year, or 30 days after each one-year anniversary of the effective date of this EMP (as agreed upon with the project manager). These reports will be required for as long as physical redevelopment of the Brownfields Property continues, except that the final Redevelopment Summary Report will be submitted within 90 days after completion of redevelopment. Based on the estimated construction schedule, the first Redevelopment Summary Report is anticipated to be submitted on 1/31/2027

The Redevelopment Summary Report shall include environment-related activities since the last report, with a summary and drawings, that describes:

1. actions taken on the Brownfields Property;
2. soil grading and cut and fill actions;
3. methodology(ies) employed for field screening, sampling and laboratory analysis of environmental media;
4. stockpiling, containerizing, decontaminating, treating, handling, laboratory analysis and ultimate disposition of any soil, groundwater or other materials suspected or confirmed to be contaminated with regulated substances; and
5. removal of any contaminated soil, water or other contaminated materials (for example, concrete, demolition debris) from the Brownfields Property (copies of all legally required manifests shall be included).

Check box to acknowledge consent to provide a NC licensed P.G. or P.E. sealed, Redevelopment Summary Report in compliance with the site's Brownfields Agreement.

APPROVAL SIGNATURES

Brownfields Project Number: 28063-24-041

Brownfields Project Name: Fortress Wood Products II

James Graf

5/15/2026

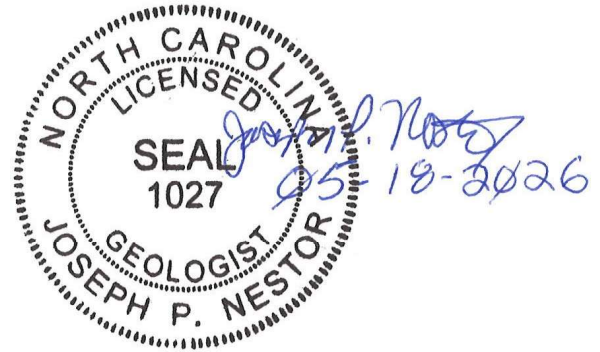
Prospective Developer: Riverside Construction Materials, Inc.
Printed Name/Title/Company: James Graf/Director of Real Estate/Riverside Construction Materials, Inc.

Date: 5/15/2026

Joseph P. Nestor

Consultant: ECS Southeast, LLC
Printed Name/Title/Company: Joseph P. Nestor, P.G./Environmental Principal/ECS Southeast, LLC
PE/PG Professional License #: 1027
Firm PE/PG License #: C-553

Date: 5/15/2026- 05-18-2026



Insert PE/PG Seal Above

Lauren Fleming

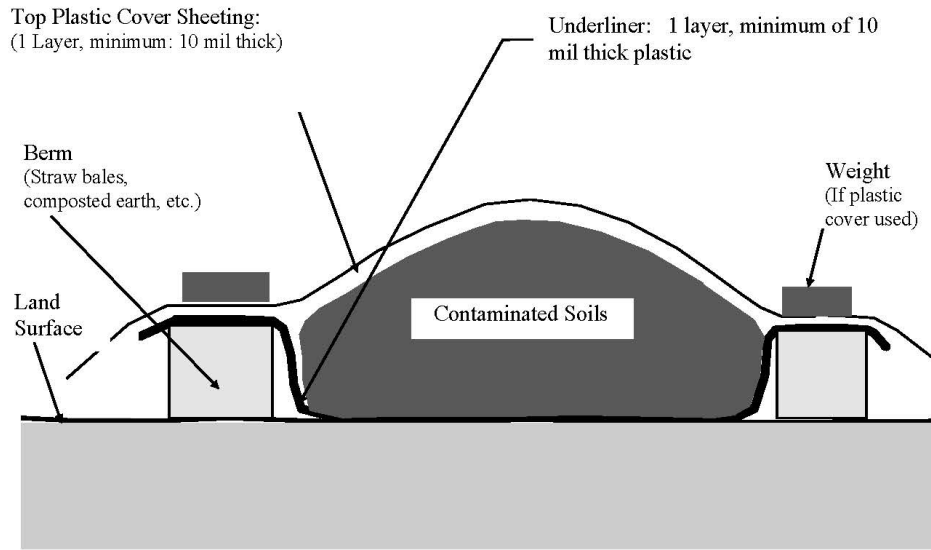
5/27/2026

Brownfields Project Manager: Lauren Fleming

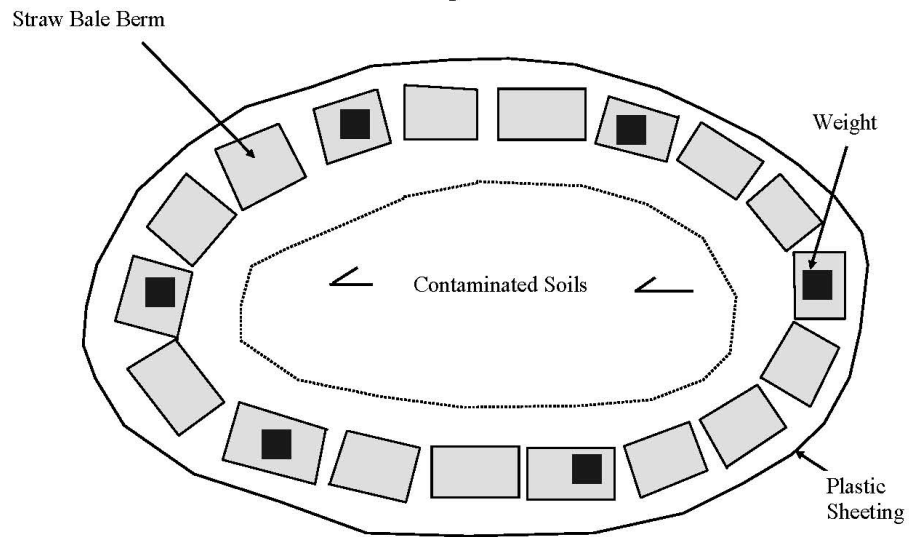
Date: Click or tap to enter a date.

NCBP Diagram for Temporary Containment of Impacted or Potentially Impacted Soil

Cross-Section View



Map View



Note: Adapted from NC DEQ UST Section "Guidelines for Ex Situ Petroleum Contaminated Soil Remediation" dated December, 1, 2013

FIGURES

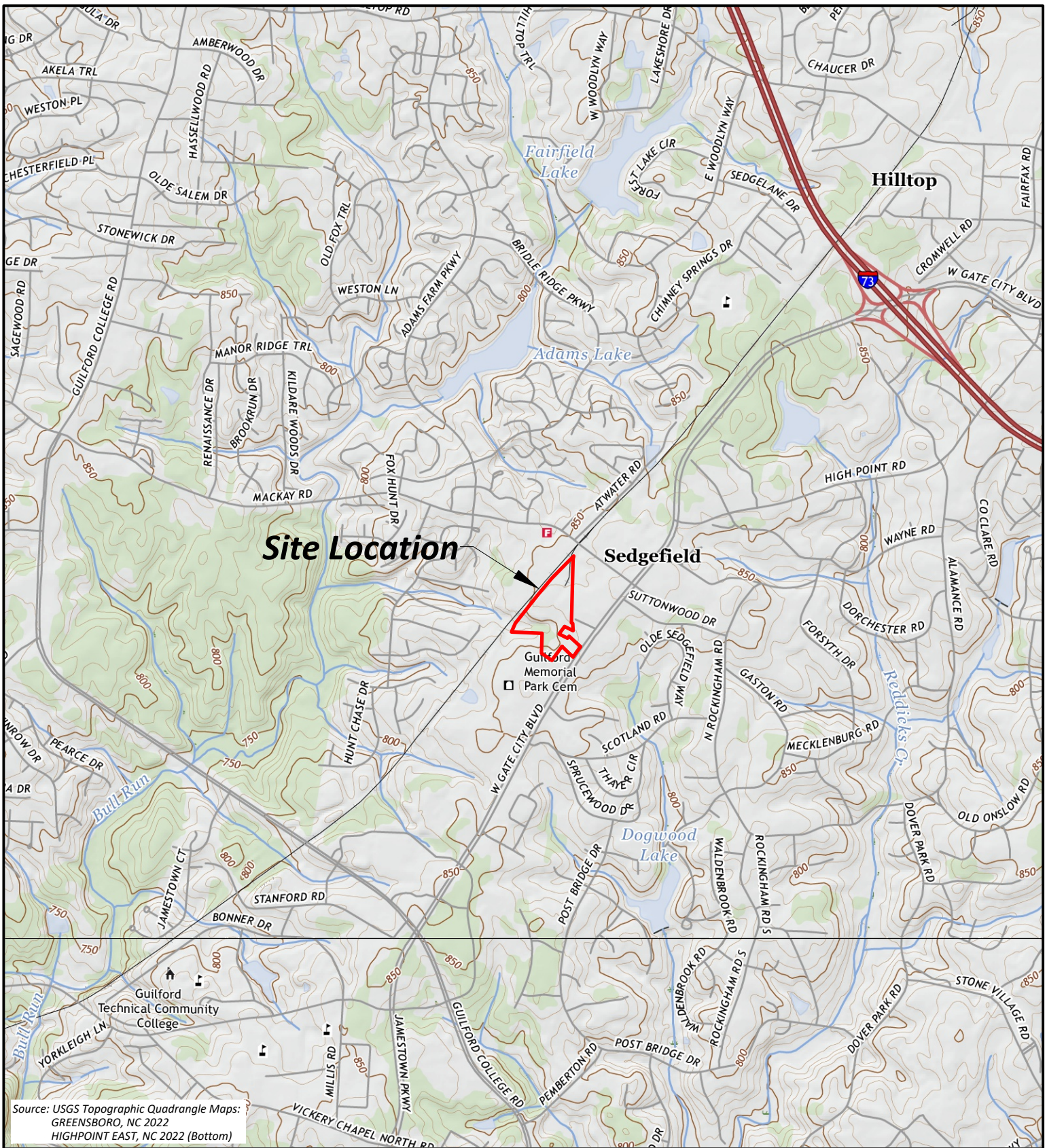


Figure 1

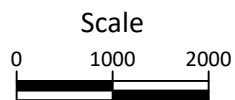
USGS Topographic Map

Fortress Wood Products II
 1 Metals Drive

Greensboro, Guilford County, NC 27407

NC Brownfields ID No. 28063-24-041

ECS Project No. 49:24413-C

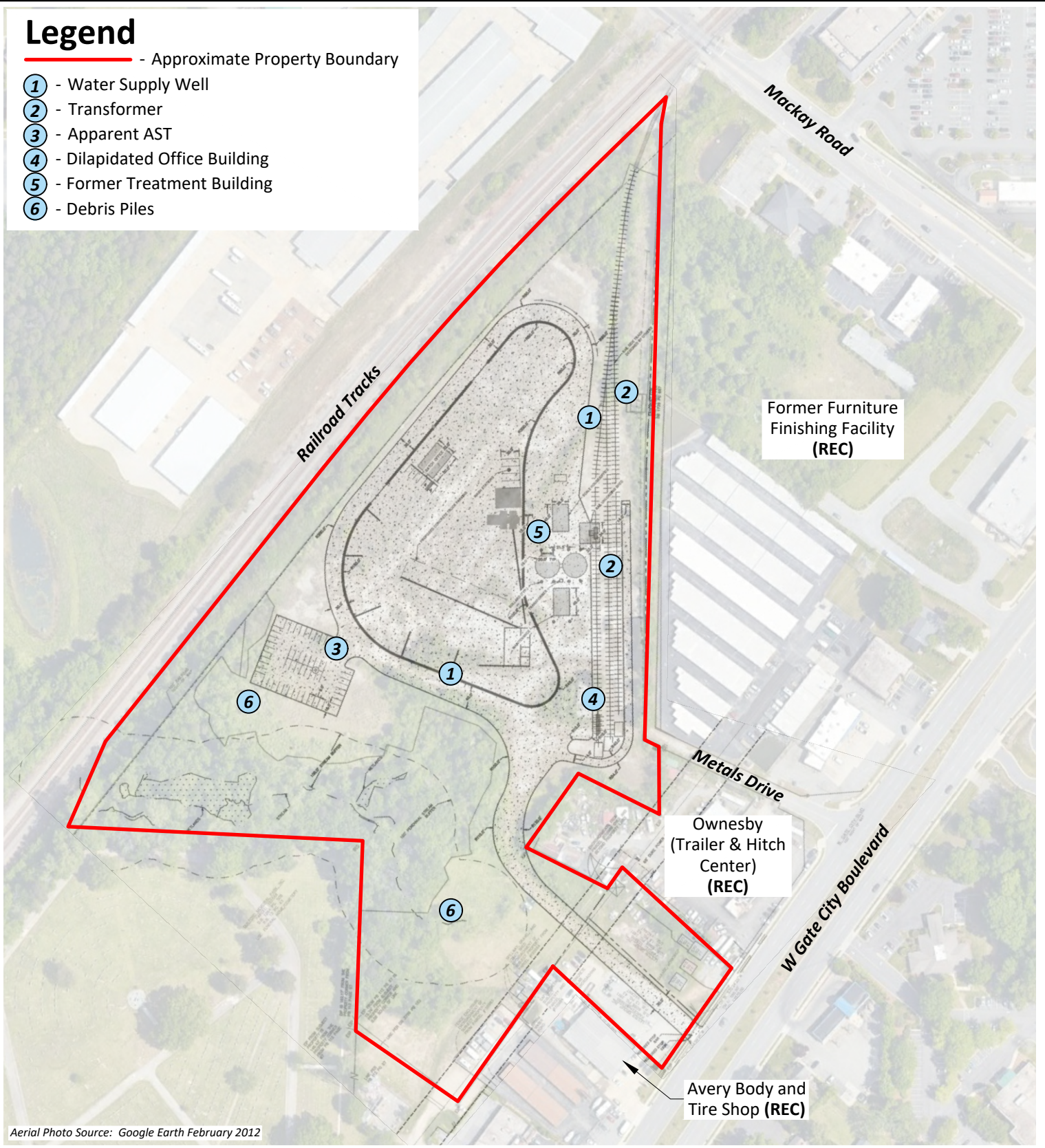


1 inch = 2000 ft.



Legend

- Approximate Property Boundary
- ① - Water Supply Well
- ② - Transformer
- ③ - Apparent AST
- ④ - Dilapidated Office Building
- ⑤ - Former Treatment Building
- ⑥ - Debris Piles

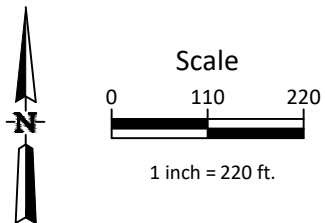


Aerial Photo Source: Google Earth February 2012

Figure 2
Site Aerial Map

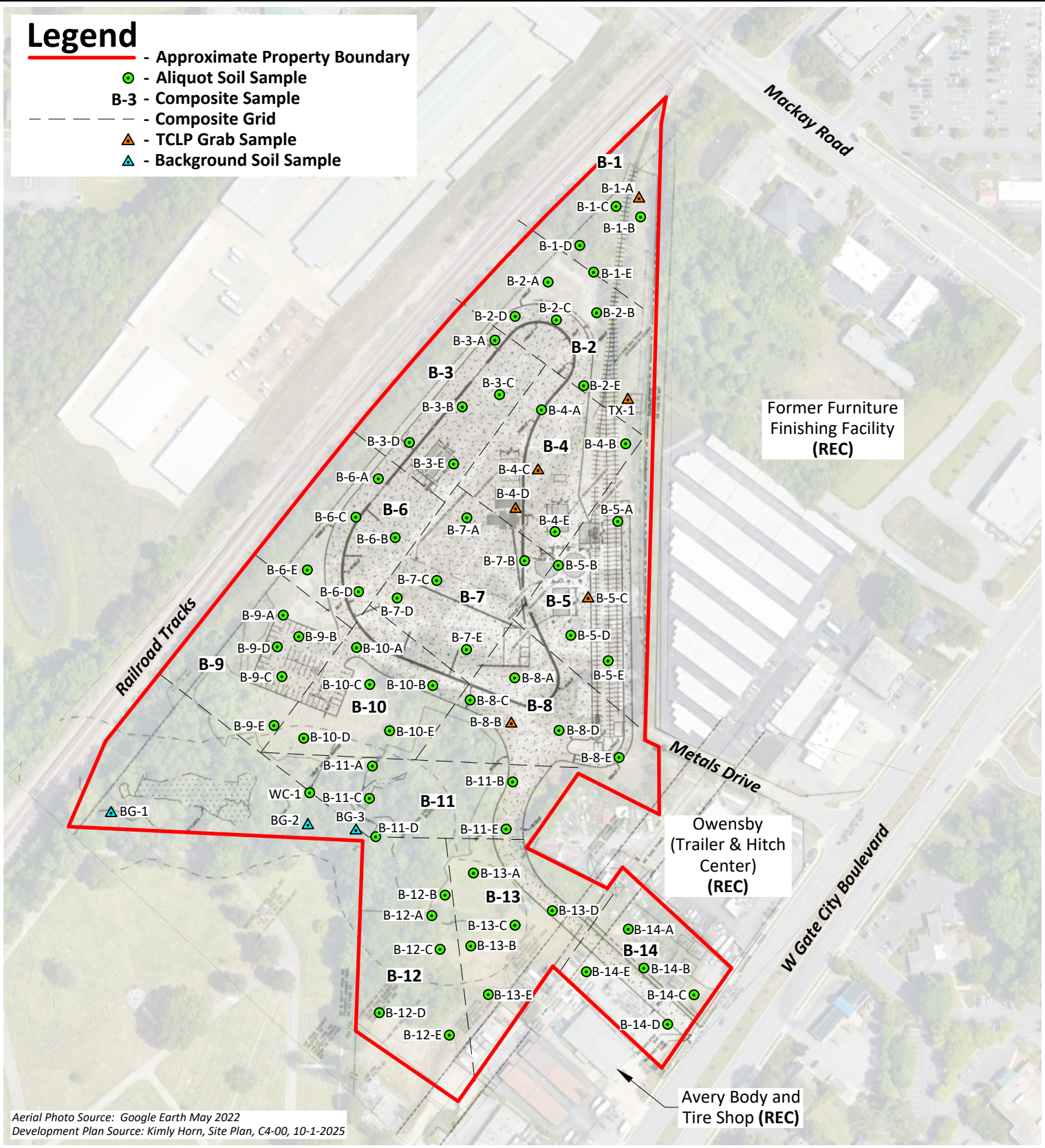
Fortress Wood Products II
1 Metals Drive
Greensboro, Guilford County, NC 27407

NC Brownfields ID No. 28063-24-041
ECS Project No. 49:24413-C



Legend

-  - Approximate Property Boundary
-  - Aliquot Soil Sample
- B-3** - Composite Sample
-  - Composite Grid
-  - TCLP Grab Sample
-  - Background Soil Sample



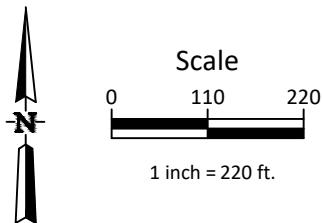
Aerial Photo Source: Google Earth May 2022
 Development Plan Source: Kimly Horn, Site Plan, C4-00, 10-1-2025

Figure 3


Soil Sampling Location Map


Fortress Wood Products II
 1 Metals Drive
 Greensboro, Guilford County, NC 27407

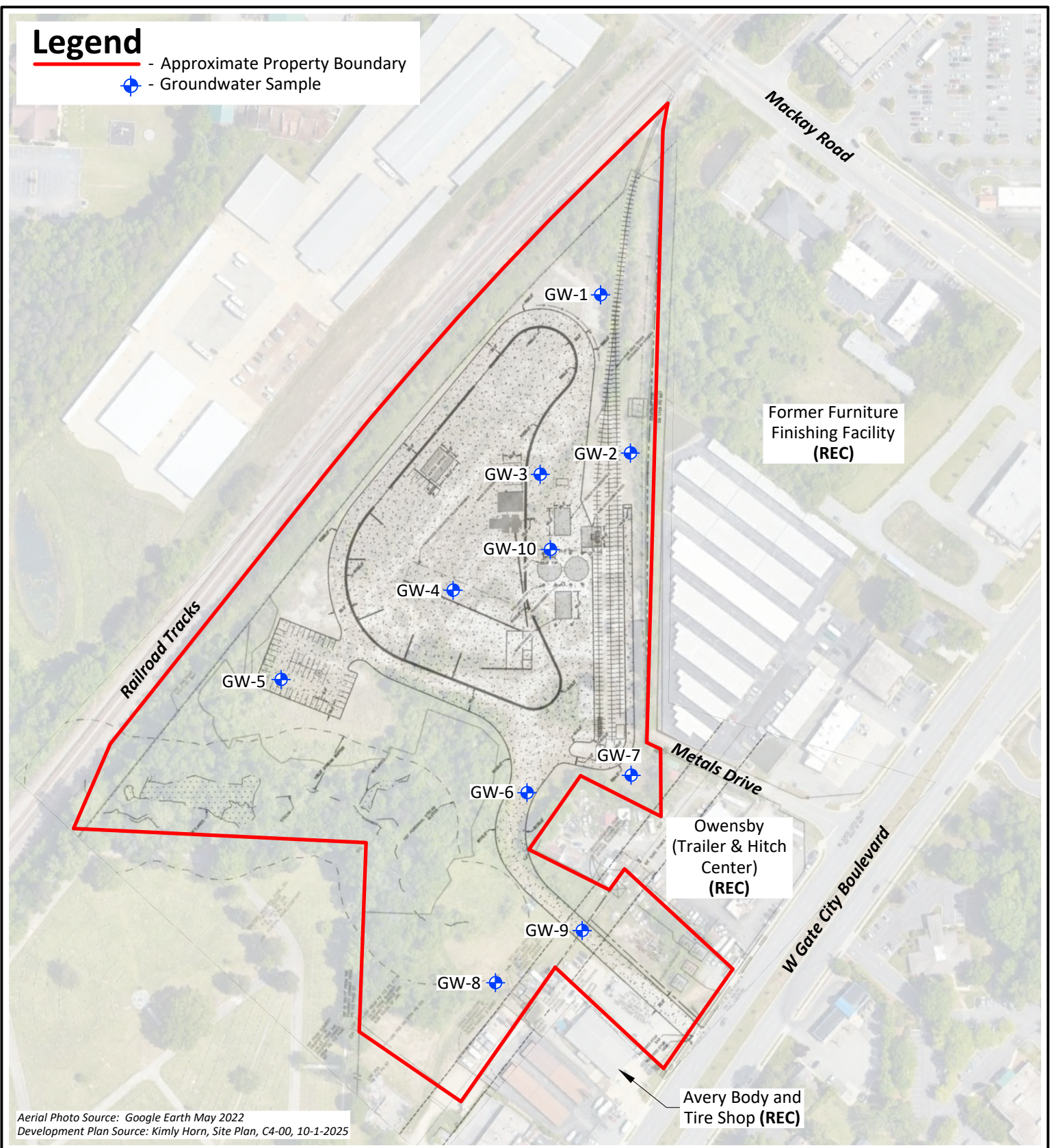
NC Brownfields ID No. 28063-24-041
 ECS Project No. 49:24413-C



Legend

 - Approximate Property Boundary

 - Groundwater Sample



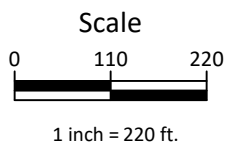
Aerial Photo Source: Google Earth May 2022
Development Plan Source: Kimly Horn, Site Plan, C4-00, 10-1-2025

Figure 4

Groundwater Sampling Location Map

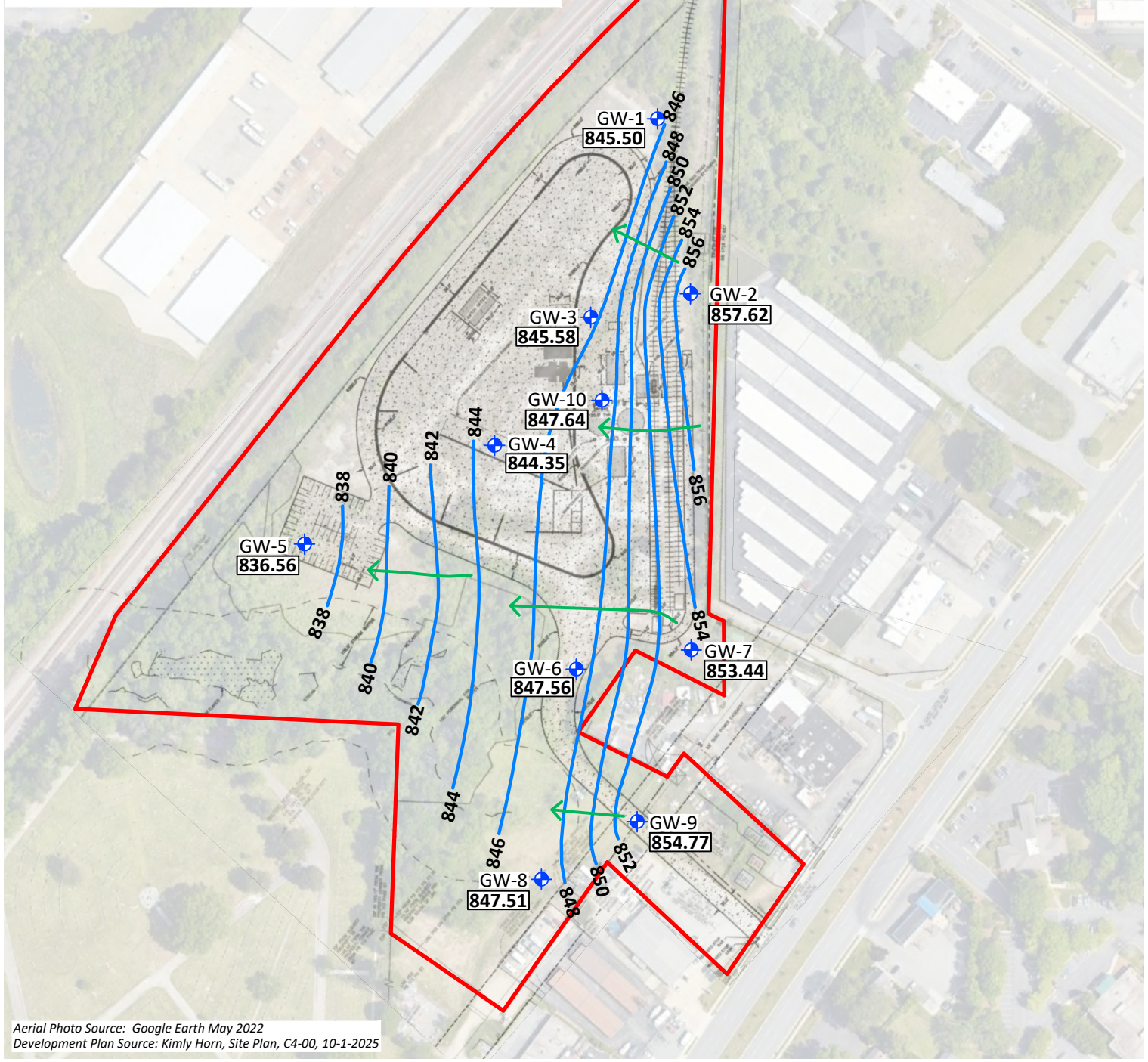
Fortress Wood Products II
1 Metals Drive
Greensboro, Guilford County, NC 27407

NC Brownfields ID No. 28063-24-041
ECS Project No. 49:24413-C



Legend

- - Approximate Property Boundary
- ⊕ - Groundwater Monitoring Well
- AMSL - Above Mean Sea Level
- 857.62 - Groundwater Elevation, AMSL (June 10, 2025)
- - Groundwater Elevation Contour
- ← - Inferred Groundwater Flow Direction



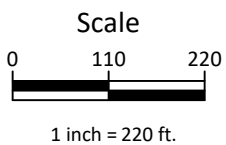
Aerial Photo Source: Google Earth May 2022
 Development Plan Source: Kimly Horn, Site Plan, C4-00, 10-1-2025

Figure 5

Groundwater Flow Direction Map

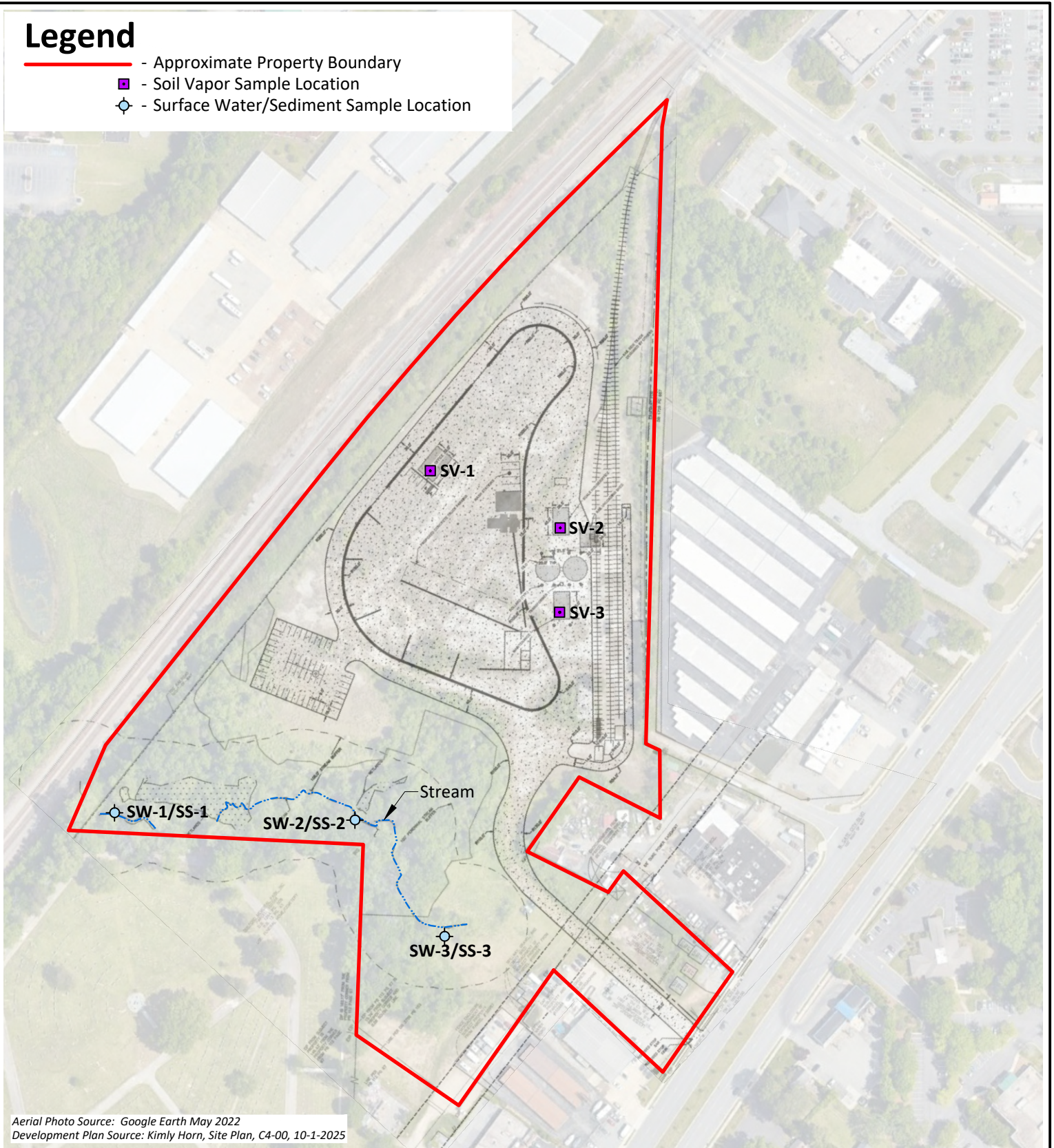
Fortress Wood Products II
 1 Metals Drive
 Greensboro, Guilford County, NC 27407

NC Brownfields ID No. 28063-24-041
 ECS Project No. 49:24413-C



Legend

- Approximate Property Boundary
- Soil Vapor Sample Location
- Surface Water/Sediment Sample Location

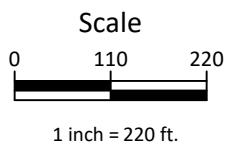


Aerial Photo Source: Google Earth May 2022
Development Plan Source: Kimly Horn, Site Plan, C4-00, 10-1-2025

Figure 6
Additional Sampling Location Map

Fortress Wood Products II
1 Metals Drive
Greensboro, Guilford County, NC 27407

NC Brownfields ID No. 28063-24-041
ECS Project No. 49:24413-C



TABLES

TABLE 1: SUMMARY OF SOIL ANALYTICAL DATA
 Fortress Wood Products II – Brownfields Assessment Services
 1 Metals Drive
 Greensboro, Guilford County, North Carolina
 Brownfields Project ID No. 28063-24-041
 ECS Project No. 49:22413-C

Sample ID	B-1	B-2	B-3	B-4	B-4-C	B-4-D	B-5	B-5-C	B-6	B-7	B-8	B-8-B	B-9	B-10	B-11	B-12	B-13	B-14	B-DUP	BG-1	BG-2	BG-3	WC-1	TX-1	TX-DUP	Protection of Groundwater PSRG	Industrial/ Commercial PSRG		
Sample Depth (ft bg)	0-2	0-2	0-2	0-2	0-1	0-1	0-2	0-1	0-2	0-2	0-2	0-1	0-2	0-2	0-2	0-2	0-2	0-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2			1-2	
Sample Type	Comp	Comp	Comp	Comp	Grab	Grab	Comp	Grab	Comp	Comp	Comp	Grab	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Grab	Grab	Grab	Grab	Grab	Grab				
Collection Date	6/4/25	6/3/25	6/3/25	6/3/25	6/3/25	6/3/25	6/3/25	6/3/25	6/3/25	6/2/25	6/2/25	6/2/25	6/3/25	6/3/25	6/4/25	6/2/25	6/2/25	6/2/25	6/2/25	6/4/25	6/4/25	6/4/25	6/11/25	6/10/25	6/10/25				
VOCs by EPA 8260																													
Benzene	<0.0026	<0.0024	<0.0032	<0.0024	NA	NA	<0.0023	NA	0.011	<0.0024	<0.0021	NA	<0.0032	<0.0019	<0.0028	<0.0039	<0.0028	<0.0024	NA	NA	NA	NA	NA	NA	NA	NA	0.01	5.4	
2-Butanone (MEK)	<0.031	<0.029	0.13 J	<0.029	NA	NA	<0.28	NA	<0.034	<0.029	<0.025	NA	<0.039	<0.023	<0.034	<0.047	<0.033	<0.034	<0.029	NA	NA	NA	NA	NA	NA	NA	NA	17	40,000
n-Butylbenzene	0.0049 J	<0.0038	<0.0050	<0.0038	NA	NA	<0.0037	NA	0.0055 J	<0.0039	<0.0033	NA	<0.0051	<0.0031	<0.0045	<0.0062	<0.0044	<0.0044	<0.0038	NA	NA	NA	NA	NA	NA	NA	NA	4.5	12,000
Chloroethane	<0.0050	<0.0047	<0.0062	<0.0046	NA	NA	0.0052 J	NA	<0.0055	<0.0047	<0.0040	NA	<0.0063	<0.0037	<0.0055	0.0077 J	<0.0053	<0.0054	<0.0046	NA	NA	NA	NA	NA	NA	NA	NA	17	4,800
Chloromethane	<0.0054	<0.0051	<0.0067	<0.0050	NA	NA	<0.0049	NA	<0.0060	<0.0051	<0.0043	NA	<0.0068	<0.0041	<0.0060	<0.0083	<0.0058	<0.0059	0.0056 J	NA	NA	NA	NA	NA	NA	NA	NA	0.015	99
Ethylbenzene	0.021	<0.0028	<0.0037	<0.0028	NA	NA	<0.0027	NA	0.018	<0.0028	<0.0024	NA	<0.0038	<0.0023	<0.0033	<0.0046	<0.0032	<0.0033	<0.0028	NA	NA	NA	NA	NA	NA	NA	NA	13	27
Isopropylbenzene (Cumene)	<0.0022	<0.0021	<0.0027	<0.0020	NA	NA	<0.0020	NA	0.0060 J	<0.0021	<0.0018	NA	<0.0028	<0.0017	<0.0024	<0.0034	<0.0023	<0.0024	<0.0020	NA	NA	NA	NA	NA	NA	NA	NA	2.3	2,100
p-Isopropyltoluene	0.0038 J	<0.0030	<0.0039	<0.0029	NA	NA	<0.0029	NA	<0.0035	<0.0030	<0.0025	NA	<0.0040	<0.0024	<0.0035	<0.0049	<0.0034	<0.0035	<0.0029	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE
Methylene Chloride	<0.018	<0.017	<0.022	<0.016	NA	NA	<0.016	NA	<0.020	<0.017	<0.014	NA	<0.022	<0.013	<0.019	<0.027	<0.019	<0.019	<0.016	NA	NA	NA	NA	NA	NA	NA	NA	0.025	650
Naphthalene	0.019	<0.0032	<0.0042	<0.0031	NA	NA	<0.0031	NA	0.039	<0.0032	<0.0027	NA	<0.0043	<0.0026	<0.0037	<0.0052	<0.0036	<0.0037	<0.0032	NA	NA	NA	NA	NA	NA	NA	NA	0.39	8.8
Tetrachloroethene	<0.0020	<0.0019	<0.0025	<0.0019	NA	NA	<0.0018	NA	0.011	<0.0019	0.025	NA	<0.0026	<0.0015	<0.0022	<0.0031	<0.0022	<0.0022	0.020	NA	NA	NA	NA	NA	NA	NA	NA	0.063	82
Toluene	0.049	<0.0042	<0.0055	<0.0041	NA	NA	<0.0040	NA	0.028	<0.0042	<0.0036	NA	<0.0056	<0.0033	<0.0049	<0.0068	<0.0048	<0.0048	<0.0041	NA	NA	NA	NA	NA	NA	NA	NA	8.3	9,700
1,2,4-Trimethylbenzene	0.028	<0.0036	<0.0047	<0.0035	NA	NA	<0.0034	NA	0.050	<0.0036	<0.0031	NA	<0.0048	<0.0029	<0.0042	<0.0059	<0.0041	<0.0042	<0.0036	NA	NA	NA	NA	NA	NA	NA	NA	12	370
1,3,5-Trimethylbenzene	0.029	<0.0020	<0.0027	<0.0020	NA	NA	<0.0019	NA	0.023	<0.0021	<0.0017	NA	<0.0027	<0.0016	<0.0024	<0.0033	<0.0023	<0.0042	<0.0020	NA	NA	NA	NA	NA	NA	NA	NA	11	320
Xylene (total)	0.18	<0.0034	<0.0046	<0.0034	NA	NA	<0.0033	NA	0.090	<0.0035	<0.0029	NA	<0.0046	<0.0028	<0.0040	<0.0056	<0.0039	<0.0040	<0.0034	NA	NA	NA	NA	NA	NA	NA	NA	9.9	530
m,p-Xylene	0.11	<0.0041	<0.0055	<0.0041	NA	NA	<0.0040	NA	0.061	<0.0042	<0.0035	NA	<0.0056	<0.0033	<0.0049	<0.0068	<0.0047	<0.0048	<0.0041	NA	NA	NA	NA	NA	NA	NA	NA	9.8	500
o-Xylene	0.066	<0.0027	<0.0035	<0.0026	NA	NA	<0.0026	NA	0.028	<0.0027	<0.0023	NA	<0.0036	<0.0021	<0.0031	<0.0044	<0.0031	<0.0031	<0.0026	NA	NA	NA	NA	NA	NA	NA	NA	9.8	590
SVOCs by EPA 8270																													
Benzo[b]fluoranthene	<0.13	<0.14	<0.15	0.15 J	NA	NA	0.17 J	NA	<0.13	<0.13	<0.12	NA	<0.16	<0.13	<0.14	<0.17	<0.15	<0.14	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	1.2	21
Fluoranthene	<0.13	<0.14	0.16 J	0.14 J	NA	NA	0.20 J	NA	<0.13	<0.14	<0.12	NA	<0.16	<0.13	<0.14	<0.17	<0.15	<0.14	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	670	6,000
Phenanthrene	<0.12	<0.13	<0.15	<0.11	NA	NA	0.29 J	NA	<0.13	<0.13	<0.12	NA	<0.15	<0.12	<0.14	<0.16	<0.14	<0.14	<0.12	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE
Pyrene	<0.15	<0.17	<0.19	0.14 J	NA	NA	0.25 J	NA	<0.16	<0.16	<0.15	NA	<0.19	<0.15	<0.17	<0.20	<0.18	<0.17	<0.15	NA	NA	NA	NA	NA	NA	NA	NA	440	4,500
PPL Metals by EPA 6020/7471/7199																													
Antimony	<0.65	<0.66	<0.74	<0.58	<7.1	25.4	<0.74	<0.57	<0.72	<0.72	<0.67	<0.54	<0.89	<0.70	<0.74	<0.86	<0.61	<0.75	<0.67	<0.78	<0.73	<0.68	0.322 J	NA	NA	NA	0.90	93	
Arsenic	18.7	1.7	4.4	6.3	3.9	10.4	1.9	93.8	3.6	<0.22	2.1	1.0 J	2.9	1.6	2.40	<0.26	1.2	6.8	4.6	2.7	2.6	1.50	39.9	NA	NA	NA	5.80	3.00	
Beryllium	0.26	0.33	0.49	0.47	0.30	0.28	0.32	<0.064	0.19	0.27	0.25	0.13	0.82	0.25	0.30	0.41	0.65	0.22	0.20	0.34	0.26	0.30	0.464 J	NA	NA	NA	630	470	
Cadmium	5.6	<0.033	5.2	0.37	5.6	13.2	0.38	0.34	5.7	<0.036	0.16	<0.027	<0.044	<0.035	<0.037	<0.043	<0.030	<0.038	1.2	<0.039	<0.036	<0.034	0.381 J	NA	NA	NA	3.0	20	
Chromium	63.2	32.1	60.1	42.7	45.7	184	43.4	101	29.7	35.8	69.3	16.2	76.4	69.0	42.7	264	54.8	27.7	45.3	23.6	28.0	40.1	91.7	NA	NA	NA	NE	NA	
Hexavalent Chromium	<0.19	1.3	0.72 J	<0.17	NA	NA	1.6	NA	0.81 J	0.47 J	<0.18	NA	3.9	0.94 J	0.27 J	1.5 J	1.30 J	1.4	<0.19	NA	NA	NA	NA	NA	NA	NA	3.8	20	
Trivalent Chromium	63.01	30.8	59.4	42.5	NA	NA	41.8	NA	28.9	35.33	69.12	NA	72.5	68.06	42.43	262.5	53.5	26.3	45.1	NA	NA	NA	NA	NA	NA	NA	360,000	3,100,000	
Copper	254	42.5	103	52.1	199	826	88.5	110	148	54.1	23.1	25.3	73.2	52.8	31.8	82.7	76.0	18.5	62.1	14.3	23.4	28.7	83.7	NA	NA	NA	700	9,300	
Lead	468	23.6	427	17.6	439	2,070	35.1	20.5	331	2.2	14.6	1.1	4.8	8.8	8.7	<0.60	8.4	42.3	58.1	19.2	22.9	8.7	32.3	NA	NA	NA	270	800	
Nickel	44.3	15.8	51.6	19.7	45.0	91.0	19.3	11.4	33.1	27.8	6.0	10.1	51.5	15.9	14.9	33.5	43.9	5.9	16.0	7.7	9.3	14.8	24.2	NA	NA	NA	130	4,600	
Selenium	<0.64	1.3	2.1	2.2	1.4	<0.70	<0.73	<0.56	<0.71	1.5	<0.66	<0.53	7.6	<0.69	<0.73	<0.85	<0.60	<0.74	<0.66	<0.77	<0.72	<0.68	0.414 J	NA	NA	NA	2.1	1,200	
Silver	0.18	<0.048	<0.054	<0.043	0.30	5.1	<0.054	<0.042	0.40	<0.053	<0.049	<0.039	<0.065	<0.051	<0.054	<0.063	<0.044	<0.055	<0.049	<0.057	<0.053	<0.050	<0.115						

TABLE 2: SUMMARY OF TCLP SOIL ANALYTICAL DATA

Fortress Wood Products II – Brownfields Assessment
 1 Metals Drive
 Greensboro, Guilford County, North Carolina
 Brownfields Project ID No. 28063-24-041
 ECS Project No. 49:22413-C

Sample ID	B-1-TCLP	B-3-TCLP	B-6-TCLP	B-12-TCLP	DUP-TCLP	B-1-A	B-4-C	B-4-D	B-5-C	B-8-B	EPA Title 40 MCCs for Toxicity Characteristic
Sample Depth (ft bg)	0-2	0-2	0-2	0-2	0-2	0-1	0-1	0-1	0-1	0-1	
Sample Type	Comp	Comp	Comp	Comp	Comp	Grab	Grab	Grab	Grab	Grab	
Collection Date	7/9/25	7/9/25	7/9/25	7/9/25	7/9/25	6/4/25	7/9/25	7/9/25	7/9/25	7/9/25	
TCLP RCRA 8 Metals by EPA Method 6010/7470											
Arsenic	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	5
Barium	1.5	2.3	0.62	0.48	0.52	1.9	0.55	0.55	0.86	0.57	100
Cadmium	0.084	0.071	<0.010	<0.010	<0.010	0.072	<0.010	<0.010	<0.010	<0.010	1
Chromium	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	5
Lead	1.2	1.6	<0.10	<0.10	<0.10	0.33	<0.10	0.22	0.65	<0.10	5
Selenium	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	1
Silver	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	5
Mercury	0.0020	0.0021	0.0020	<0.0020	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0027	0.2

Notes:

Results presented in milligrams per liter (mg/L)

TCLP = Toxicity Characteristic Leaching Procedure

RCRA = Resource Conservation and Recovery Act

ft bg = feet below grade

DUP-TCLP collected from B-6-TCLP

<0.00 = Below the laboratory reporting limit

MCCs = Maximum Concentration of Contaminants

Analytical results compared to the EPA Title 40, Chapter I, Subchapter I, Part 261, Subpart C MCCs for the Toxicity Characteristic

VALUE = concentration is greater than the laboratory method detection limits

TABLE 3: SUMMARY OF PFAS SOIL ANALYTICAL DATA
Fortress Wood Products II – Brownfields Assessment
1 Metals Drive
Greensboro, Guilford County, North Carolina
Brownfields Project ID No. 28063-24-041
ECS Project No. 49:22413-C

Sample ID	B-1-P	B-2-P	B-3-P	B-4-P	B-5-P	B-6-P	B-7-P	B-8-P	B-9-P	B-10-P	B-11-P	B-12-P	B-13-P	B-14-P	B-DUP	FB-1-P	FB-2-P	FB-3-P	Protection of Groundwater PSRG	Industrial/Commercial PSRG
Sample Depth (ft bg)	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	-	-	-		
Collection Date	6/4/25	6/3/25	6/3/25	6/3/25	6/3/25	6/3/25	6/2/25	6/2/25	6/3/25	6/3/25	6/4/25	6/2/25	6/2/25	6/2/25	6/2/25	6/2/25	6/3/25	6/4/25		
PFAS by EPA Method 1633																				
PFDA (perfluorodecanoic acid)	0.000079 J	<0.000047	<0.000046	<0.000046	<0.000047	<0.000046	<0.000046	<0.000047	<0.000046	<0.000047	<0.000047	<0.000047	<0.000046	<0.000046	<0.000046	<0.39	<0.49	<0.48	NE	0.00033
PFDoA (perfluorododecanoic acid)	0.000079 J	<0.000045	<0.000044	<0.000044	<0.000045	<0.000044	<0.000044	<0.000045	<0.000044	<0.000045	<0.000045	<0.000045	<0.000044	<0.000044	<0.000044	<0.49	<0.49	<0.47	NE	8.2
PFNA (perfluorononanoic acid)	0.000073 J	<0.000056	<0.000056	<0.000055	<0.000056	<0.000056	<0.000055	<0.000057	<0.000056	<0.000056	<0.000056	<0.000056	<0.000056	<0.000056	<0.000056	<0.52	<0.52	<0.51	0.00014	0.49
PFOS (perfluorooctane sulfonic acid)	0.0013	<0.000040	0.00040	<0.000039	<0.000040	0.00079	<0.000039	0.00029	<0.000040	0.00021	0.00025	<0.000040	0.00046	<0.000039	0.001	<0.39	<0.39	<0.38	0.000013	0.016
PFOA (perfluorooctanoic acid)	0.00018 J	<0.000050	<0.000050	<0.000049	<0.000050	<0.000050	<0.000049	<0.000051	<0.000050	<0.000050	0.00011 J	<0.000050	0.00021	0.00034	0.00027	<0.48	<0.49	<0.47	0.000000086	0.000078
PFTrDA (perfluorotridecanoic acid)	0.000044 J	<0.000042	<0.000042	<0.000041	<0.000042	<0.000042	<0.000041	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.000042	<0.45	<0.45	<0.44	NE	NE
PFUnA (perfluoroundecanoic acid)	0.000076 J	<0.000047	<0.000047	<0.000047	<0.000048	<0.000047	<0.000046	<0.000048	<0.000047	<0.000047	<0.000048	<0.000047	<0.000047	<0.000047	<0.000047	<0.35	<0.35	<0.34	NE	49

Notes:
Results presented in milligrams per Kilogram (mg/Kg)
Compounds not shown were not detected
Field blanks collected as FB-1-P, FB-2-P, and FB-3-P; results presented in nanograms per liter (ng/L)
PFAS = Per- and Polyfluoroalkyl Substances
PFUnA acronym is synonymous with PFUDA
ft bg = feet below grade
B-DUP collected from sample B-8-P
J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit.
<0.001 = Below the laboratory method detection limit
NE = No Established Standard
PSRG = NCDEQ Preliminary Soil Remediation Goals, January 2025

VALUE	= concentration is greater than the laboratory method detection limits
VALUE	= concentration is greater than the Protection of Groundwater PSRG
VALUE	= concentration is greater than the Industrial/Commercial PSRG
VALUE	= concentration was selected for input into the NCDEQ Risk Calculator to represent "worst case" conditions at the subject property

TABLE 4: SUMMARY OF GROUNDWATER ANALYTICAL DATA

Fortress Wood Products II – Brownfields Assessment

1 Metals Drive

Greensboro, Guilford County, North Carolina

Brownfields Project ID No. 28063-24-041

ECS Project No. 49:22413-C

Sample ID	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	DUP-1	EB-1	EB-2	EB-3	TB-1	TB-2	TB-3	NCZLGWQS	Non-Residential GWSL for VI	
Collection Date	6/10/25	6/10/25	6/11/25	6/11/25	6/11/25	6/11/25	6/10/25	6/12/25	6/12/25	6/11/25	6/10/25	6/10/25	6/11/25	6/12/25	6/5/25	6/5/25	6/11/25			
VOCs by EPA Method 8260	Bromomethane	<1.7	<1.7	<1.7	<1.7	1.9 J	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	10	15	
	cis-1,2-Dichloroethene	<0.38	<0.38	<0.38	<0.38	1.4	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	70	210	
	Chloroform	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	2.0	1.7	<0.43	<0.43	<0.43	<0.43	70	3.6
	Dichlorodifluoromethane	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	0.64 J	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	1,000	6.2
	Methyl-tert-butyl ether	<0.42	<0.42	<0.42	<0.42	<0.42	1.8	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	20	2,000
Tetrachloroethene	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	8.4	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	0.7	48	
SVOCs by EPA Method 8270	Di-n-butylphthalate	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	2.4 J	<2.2	<2.2	<2.2	NA	NA	NA	700	NE
	Antimony	<0.50	<0.50	<0.310	<0.310	<0.310	<0.310	<0.50	<0.50	<0.50	<0.310	<0.50	<0.50	<0.310	<0.50	NA	NA	NA	1	NE
PPL Metals by EPA Methods 6020/7470	Arsenic	<0.50	1.1	0.170 J	<0.120	0.291 J	<0.120	<0.50	<0.50	0.616 J	<0.50	<0.50	<0.120	<0.50	NA	NA	NA	10	NE	
	Beryllium	0.12	<0.033	<0.200	<0.200	<0.200	<0.200	0.58	<0.033	<0.033	<0.200	0.57	<0.033	<0.200	<0.033	NA	NA	NA	4	NE
	Cadmium	<0.067	2.4	<0.120	<0.120	0.362 J	<0.120	<0.067	<0.067	0.22	<0.120	<0.067	<0.067	<0.120	<0.067	NA	NA	NA	2	NE
	Chromium	7.5	1.4	1.64 J	1.53 J	4.53	2.50	19.5	8.4	1.1	4.59	18.3	<0.50	<0.900	1.3	NA	NA	NA	10	NE
	Copper	6.7	7.2	2.50 J	1.14 J	2.19 J	0.995 J	16.1	2.6	8.8	1.75 J	16.2	<0.42	<0.700	<0.42	NA	NA	NA	1,000	NE
	Lead	<0.22	2.6	<0.500	<0.500	<0.500	<0.500	<0.22	<0.22	1.5	<0.500	<0.22	<0.22	<0.500	<0.22	NA	NA	NA	15	NE
	Nickel	8.0	13.4	6.47	3.80	19.6	16.8	30.9	2.2	2.0	8.64	32.2	<0.26	<0.500	<0.26	NA	NA	NA	100	NE
	Selenium	<0.20	<0.20	<0.250	0.690 J	0.348 J	<0.250	<0.20	<0.20	<0.20	<0.250	<0.20	<0.20	<0.250	<0.20	NA	NA	NA	20	NE
	Silver	<0.028	<0.028	<0.110	<0.110	<0.110	<0.110	<0.028	<0.028	<0.028	<0.110	<0.028	<0.028	<0.110	<0.028	NA	NA	NA	20	NE
	Zinc	<6.7	565	9.32 J	6.69 J	24.4 J	7.42 J	38.2	<6.7	<6.7	8.01 J	39.2	<6.7	<4.00	<6.7	NA	NA	NA	1,000	NE
Mercury	<0.14	<0.14	<0.0700	<0.0700	<0.0700	<0.0700	<0.14	<0.14	<0.14	<0.0700	<0.14	<0.14	<0.0700	<0.14	NA	NA	NA	1	NE	

Notes:

Results presented in micrograms per Liter (µg/L)

Compounds not shown were not detected

DUP-1 collected from sample GW-7

Equipment blanks collected as EB-1, EB-2, and EB-3

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit.

BMDL = Below laboratory method detection limits

<0.00 = Below the laboratory method detection limit

NA = Not Analyzed

NE = No Established Standard

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PPL = Priority Pollutant Metals

NCZLGWQS = North Carolina 2L Groundwater Quality Standards, dated April 2022

Groundwater Screening Level (GWSL) for Vapor Intrusion (VI), dated January 2025

VALUE = concentration is greater than the laboratory method detection limits

VALUE = concentration is greater than the NCZLGWQS

VALUE = This concentration was selected for input into the NCDEQ Risk Calculator to represent "worst case" conditions at the subject property

TABLE 5: SUMMARY OF PFAS GROUNDWATER ANALYTICAL DATA
Fortress Wood Products II – Brownfields Assessment
1 Metals Drive
Greensboro, Guilford County, North Carolina
Brownfields Project ID No. 28063-24-041
ECS Project No. 49:22413-C

Sample ID	GW-1-P	GW-2-P	GW-3-P	GW-4-P	GW-5-P	GW-7-P	GW-10-P	DUP-1-P	DUP-2-P	EB-1-P	EB-2-P	FB-4-P	FB-5-P	NC2LGWQS
Collection Date	6/10/25	6/10/25	6/11/25	6/11/25	6/11/25	6/10/25	6/11/25	6/10/25	6/11/25	6/10/25	6/11/25	6/10/25	6/11/25	
PFAS by EPA Method 1633														
PFBS (perfluorobutane sulfonic acid)	<0.82	1.8	2.2	1.7	5.0	<0.40	1.2 J	<0.83	1.7	<0.41	<0.40	<0.40	<0.40	NE
PFHxA (perfluorohexanoic acid)	<0.75	1.5 J	2.0	<0.37	28.7	<0.37	0.86 J	<0.75	<0.37	<0.37	<0.37	<0.37	<0.37	NE
PFBA (perfluorobutanoic acid)	<3.0	5.5 J	4.5 J	<1.5	23.3	<1.5	1.9 J	<3.0	<1.5	<1.5	<1.5	<1.5	<1.5	NE
PFHpS (perfluoroheptane sulfonic acid)	<0.91	0.70 J	<0.46	<0.45	<0.45	<0.45	<0.45	<0.92	<0.45	<0.45	<0.45	<0.44	<0.45	NE
PFPeA (perfluoropentanoic acid)	<1.9	<0.99	1.7 J	<0.91	22.1	<0.91	<0.92	<1.9	<0.91	<0.92	<0.91	<0.91	<0.92	NE
PFPeS (perfluoropentane sulfonic acid)	<0.74	1.0 J	0.71 J	0.59 J	5.7	<0.36	0.41 J	<0.74	0.38 J	<0.37	<0.36	<0.36	<0.36	NE
PFHpA (perfluoroheptanoic acid)	<1.2	2.7	2.4	<0.59	27.4	<0.59	<0.60	<1.2	<0.59	<0.60	<0.59	<0.58	<0.59	NE
PFHxS (perfluorohexane sulfonic acid)	2.9 J	3.1	6.3	0.48 J	10.9	<0.39	0.84 J	<0.81	0.55 J	<0.40	<0.39	<0.39	<0.39	NE
PFNA (perfluorononanoic acid)	<1.0	1.2 J	<0.52	<0.50	<0.50	<0.50	<0.51	<1.0	<0.50	<0.51	<0.50	<0.50	<0.50	NE
PFOS (perfluorooctane sulfonic acid)	8.7	62.1	32.4	0.44 J	3.3	<0.38	1.9	<0.77	<0.38	<0.38	0.54 J	<0.37	<0.38	0.7
PFOA (perfluorooctanoic acid)	3.9	15.1	27.6	<0.47	41.6	<0.47	2.6	<0.96	<0.47	<0.47	0.54 J	<0.46	<0.47	0.001

Notes:

Results presented in nanograms per Liter (ng/L)

Compounds not shown were not detected

Field blanks collected as FB-4-P and FB-5-P

Equipment blanks collected as EB-1-P and EB-2-P

PFAS = Per- and Polyfluoroalkyl Substances

DUP-1-P collected from sample GW-7-P

DUP-2-P collected from sample GW-4-P

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit (RL). Estimated concentrations are not considered to be a violation of the NC2LGWQS.

For non-naturally occurring substances for which numeric groundwater standards have not been established, detections above the laboratory RL are considered to be a violation of North Carolina Groundwater Standards per 15A NCAC 02L .0202(c).

<0.00 = Below the laboratory method detection limit

NE = No Established Standard

NC2LGWQS = North Carolina 2L Groundwater Quality Standards dated November 1, 2025

VALUE	= concentration is greater than the laboratory method detection limits
VALUE	= concentration is greater than the NC2LGWQS or laboratory RL for which groundwater standards have not been established
VALUE	= concentration was selected for input into the NCDEQ Risk Calculator to represent "worst case" conditions at the subject property

TABLE 6: SUMMARY OF SURFACE WATER ANALYTICAL DATA

Fortress Wood Products II – Brownfields Assessment

1 Metals Drive

Greensboro, Guilford County, North Carolina

Brownfields Project ID No. 28063-24-041

ECS Project No. 49:22413-C

Sample ID	SW-1	SW-2	SW-3	SW-DUP	TB-4	SW-1	SW-2	SW-3	SW-DUP	
Collection Date	12/5/25	12/5/25	12/5/25	12/5/25	11/25/25	NCAC 2B Surface Water Standards				
PPL Metals by EPA Methods 6020/7470	Antimony	0.318 J	<0.310	0.364 J	0.364 J	NA	5,300 - Class C Waters			
	Arsenic	0.456 J	0.557 J	0.292 J	0.290 J	NA	10 - Class WS Waters			
	Calcium	20,600	12,100	7,490	7,900	NA	NE			
	Chromium	0.980 J	1.33 J	1.05 J	1.42 J	NA	71.8*	44.27*	23.34*	24.44*
	Copper	3.50 J	8.30	5.89	6.21	NA	8.66*	5.23*	2.68*	2.81*
	Lead	<0.500	0.843 J	0.764 J	1.13 J	NA	2.41*	1.26*	0.53*	0.56*
	Magnesium	10,900	5,600	1,380	1,470	NA	NE			
	Nickel	1.05 J	1.94 J	1.08 J	1.36 J	NA	50.33*	30.54*	15.77*	16.53*
Zinc	9.98 J	19.4 J	29.1	29.4	NA	114.32*	69.32*	35.75*	37.49*	
Hardness by Standard Method 2340	Hardness	96,200	53,300	24,400	25,800	NA	-	-	-	-
VOCs by EPA Method 8260	Targeted Compounds	BMDL	BMDL	BMDL	BMDL	BMDL	-	-	-	-
SVOCs by EPA Method 8270	Targeted Compounds	BMDL	BMDL	BMDL	BMDL	NA	-	-	-	-

Notes:

Results presented in micrograms per Liter (µg/L)

Compounds not shown were not detected

SW-DUP collected from sample SW-3

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit.

<0.00 = Below the laboratory method detection limit

BMDL = Below laboratory method detection limits

NA = Not Analyzed

NE = No Established Standard

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PPL = Priority Pollutant Metals

* = calculated chronic value based on hardness of the corresponding collected sample

VALUE	= concentration is greater than the laboratory method detection limits
-------	--

VALUE	= concentration is greater than the calculated chronic NCAC 2B Standard based on the hardness of the corresponding collected sample
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VALUE	= This concentration was selected for input into the NCDEQ Risk Calculator to represent "worst case" conditions at the subject property
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TABLE 7: SUMMARY OF PFAS SURFACE WATER ANALYTICAL DATA
Fortress Wood Products II – Brownfields Assessment
1 Metals Drive
Greensboro, Guilford County, North Carolina
Brownfields Project ID No. 28063-24-041
ECS Project No. 49:22413-C

Sample ID	SW-1-P	SW-2-P	SW-3-P	SW-DUP-P	EB-3-P	FB-6-P	15A NCAC 2B Surface Water Standards
Collection Date	12/5/25	12/5/25	12/5/25	12/5/25	12/5/25	12/5/25	
PFAS by EPA Method 1633							
PFBS (perfluorobutane sulfonic acid)	2.8	2.7	3.4	3.2	<1.2	<1.2	NE
PFHxA (perfluorohexanoic acid)	3.2	9.3	5.7	5.8	<0.24	<0.23	NE
PFBA (perfluorobutanoic acid)	<0.95	17	14	9.6	<0.94	<0.93	NE
PFDA (perfluorodecanoic acid)	<0.49	0.70 J	0.51 J	<0.49	<0.49	<0.48	NE
PFPeA (perfluoropentanoic acid)	3.8	12	7.5	6.9	<0.44	<0.43	NE
PFHpA (perfluoroheptanoic acid)	1.5 J	4.0	2.0	1.9	<0.32	<0.31	NE
PFHxS (perfluorohexane sulfonic acid)	1.5 J	1.9	1.1 J	0.87 J	<0.70	<0.69	NE
PFNA (perfluorononanoic acid)	0.66 J	1.6	1.1 J	0.86 J	<0.60	<0.59	NE
PFOS (perfluorooctane sulfonic acid)	6.0	11	5.2	5.2	<0.54	<0.53	NE
PFOA (perfluorooctanoic acid)	5.6	13	4.1	3.7	<0.73	<0.71	NE

Notes:

Results presented in nanograms per Liter (ng/L)

Compounds not shown were not detected

SW-DUP-P collected from SW-3-P

Equipment blank collected as EB-3-P

Field blank collected as FB-6-P

PFAS = Per- and Polyfluoroalkyl Substances

Surface water standards do not exist for PFAS compounds. The surface water analytical data is being compared to the 15A NCAC 2B Surface Water Standards for PFAS.

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit (RL).

<0.00 = Below the laboratory method detection limit

NE = No Established Standard

15A NCAC 2B Surface Water Standards = North Carolina Administrative Code 2B Surface Water Standards dated November 1, 2025

VALUE	= concentration is greater than the laboratory method detection limits
VALUE	= concentration is greater than the laboratory RL for which surface water standards have not been established
VALUE	= concentration was selected for input into the NCDEQ Risk Calculator to represent "worst case" conditions at the subject property

TABLE 8: SUMMARY OF SEDIMENT ANALYTICAL DATA
Fortress Wood Products II – Brownfields Assessment Services
1 Metals Drive
Greensboro, Guilford County, North Carolina
Brownfields Project ID No. 28063-24-041
ECS Project No. 49:22413-C

Sample ID	SS-1	SS-2	SS-3	SS-DUP	Industrial/Commercial PSRG
Sample Depth (ft bg)	1	1	1	1	
Sample Type	Grab	Grab	Grab	Grab	
Collection Date	12/5/25	12/5/25	12/5/25	12/5/25	
VOCs by EPA 8260					
p-Isopropyltoluene	<0.0037	0.0094	<0.0034	<0.0034	240
PPL Metals by EPA 6020/7471/7199					
Antimony	<0.232	0.232 J	<0.230	<0.207	93
Arsenic	3.25	2.90	1.44	0.855	3.00
Beryllium	0.304 J	0.313 J	0.571 J	0.329 J	470
Cadmium	<0.128	<0.125	<0.127	<0.115	20
Chromium	47.2	54.7	64.2	56.6	NE
Hexavalent Chromium	1.9	2.6	1.7	1.0 J	20
Trivalent Chromium	45.3	52.1	62.5	55.6	3,100,000
Copper	15.8	32.5	21.4	19.3	9,300
Lead	5.27	8.27	9.04	7.71	800
Nickel	4.30	5.85	15.6	14.7	4,600
Selenium	0.344 J	0.268 J	0.962	0.806	1,200
Silver	<0.108	<0.105	<0.107	<0.0961	1,200
Zinc	29.4	31.6	18.3	15.1	70,000
Thallium	<0.155	<0.152	<0.155	<0.139	2.3
Mercury	<0.0262	<0.0267	<0.0273	<0.0260	70
SVOCs by EPA 8270					
Targeted Compounds	BMDL	BMDL	BMDL	BMDL	-

Notes:

Results presented in milligrams per Kilogram (mg/Kg)

Compounds not shown were not detected

ft bg = feet below grade

SS-DUP collected from sample SS-3

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit

<0.00 = Below the laboratory method detection limit

BMDL = Below laboratory method detection limits

NE = No Established Standard

Trivalent chromium concentrations were calculated by subtracting hexavalent chromium concentrations from total chromium concentrations.

For purposes of calculation, J-flagged concentrations were assumed to be actual concentrations.

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PPL = Priority Pollutant

PSRG = NCDEQ Preliminary Soil Remediation Goals, January 2025

VALUE	= concentration is greater than the laboratory method detection limits
VALUE	= concentration is greater than the Industrial/Commercial PSRG

TABLE 9: SUMMARY OF PFAS SEDIMENT ANALYTICAL DATA

Fortress Wood Products II – Brownfields Assessment
 1 Metals Drive
 Greensboro, Guilford County, North Carolina
 Brownfields Project ID No. 28063-24-041
 ECS Project No. 49:22413-C

Sample ID	SS-1-P	SS-2-P	SS-3-P	SS-DUP-P	Industrial/Commercial PSRG
Sample Depth (ft bg)	0.5	0.5	0.5	0.5	
Collection Date	12/5/25	12/5/25	12/5/25	12/5/25	
PFAS by EPA Method 1633					
PFOS (perfluorooctane sulfonic acid)	<0.000041	<0.000041	0.00017 J	0.00016 J	0.016
PFOA (perfluorooctanoic acid)	<0.000036	<0.000036	0.000093 J	0.00011 J	0.000078

Notes:

Results presented in milligrams per Kilogram (mg/Kg)

Compounds not shown were not detected

ft bg = feet below grade

SS-DUP-P collected from sample SS-3-P

PFAS = Per- and Polyflouroalkyl Substances

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit.

<0.00 = Below the laboratory method detection limit

PSRG = NCDEQ Preliminary Soil Remediation Goals, January 2025

VALUE	= concentration is greater than the laboratory method detection limits
VALUE	= concentration is greater than the Industrial/Commercial PSRG

TABLE 10: SUMMARY OF SOIL VAPOR ANALYTICAL DATA
Fortress Wood Products II – Brownfields Assessment
1 Metals Drive
Greensboro, Guilford County, North Carolina
Brownfields Project ID No. 28063-24-041
ECS Project No. 49:22413-C

Sample ID	SV-1	SV-2	SV-3	SV-DUP	Non-Residential VISL
Initial Sample Vacuum Reading (in Hg)	-29	-28	-28	-27	
Final Sample Vacuum Reading (in Hg)	-5	-5	-5	-5	
Collection Date	12/5/25	12/5/25	12/5/25	12/5/25	
VOCs by EPA Method TO-15					
Acetone	9.43	32.6	8.39	9.36	NE
Benzene	4.09	85.6	0.757	3.64	160
2-Butanone	1.21 J	3.72	1.25 J	1.18 J	440,000
Carbon Disulfide	5.82	21.5	2.77	2.59	61,000
Carbon Tetrachloride	0.693 J	<0.470	<0.470	0.549 J	200
Chloroform	3.52	<0.506	<0.506	2.88	53
Chloromethane	0.494	<0.227	<0.227	0.601	7,900
Cyclohexane	1.79	43.0	<0.585	1.62	530,000
Dichlorodifluoromethane	2.94	25.6	851	2.97	8,800
1,1-Dichloroethane	<0.285	1.31	<0.285	<0.285	770
1,1-Dichloroethene	<0.296	11.6	<0.296	<0.296	350
cis-1,2-Dichloroethene	<0.315	106	<0.315	<0.315	3,500
Ethanol	<4.47	5.56	8.20	4.90	NE
Ethylbenzene	1.47	9.15	0.416 J	1.26	490
4-Ethyltoluene	<0.435	7.21	<0.435	<0.435	NE
Heptane	15.3	105	2.49	13.5	35,000
Hexane	24.5	150	3.56	21.7	61,000
2-Hexanone	<0.544	<0.544	<0.544	1.10 J	2,600
Isopropylbenzene	<0.355	4.92	<0.355	<0.355	35,000
Methylene Chloride	1.16	<0.587	0.642 J	1.23	53,000
4-Methyl-2-pentanone	<0.434	<0.434	0.446 J	<0.434	260,000
Styrene	<0.341	<0.341	0.434 J	<0.341	88,000
1,1,1-Trichloroethane	<0.391	<0.391	0.908 J	<0.391	440,000
1,1,2-Trichlorotrifluoroethane	1.46 J	11.2	4.28	1.26 J	440,000
1,2,4-Trimethylbenzene	1.27	25.7	<0.455	1.16	5,300
1,3,5-Trimethylbenzene	0.510 J	10.8	<0.419	0.452 J	5,300
2,2,4-Trimethylpentane	4.67	234	1.44	4.23	NE
Tetrachloroethene	11.3	208	228	10.8	3,500
Trichloroethene	0.424 J	37.1	0.438 J	0.430 J	180
Toluene	8.59	20.7	5.57	7.61	440,000
trans-1,2-Dichloroethene	<0.291	3.62	<0.291	<0.291	3,500
Trichlorofluoromethane	87.7	5.31	40.2	67.4	NE
Vinyl Chloride	<0.211	1,010	<0.211	<0.211	280
Total Xylenes	5.25	34.0	1.09 J	4.32	8,800

Notes:

Results presented in micrograms per cubic meter (µg/m3)

Compounds not shown were not detected

in Hg = Inches of mercury

SV-DUP collected from SV-1

VISL = Vapor Intrusion Screening Level

NE = No Established Standard

J = Value shown is an estimated value. The J values are detected concentrations greater than the method detection limit and less than the laboratory reporting limit

<0.00 = Less than the laboratory method reporting limit

Total Xylenes = sum of m,p xylenes and o-xylenes

Concentrations presented in the table are compared to the NCDEQ VISL Calculations, dated January 2025

VALUE = concentration greater than laboratory method reporting limit

VALUE = concentration greater than the Non-Residential VISL

VALUE = concentration selected for input into the NCDEQ Risk Calculator to represent "worst case" conditions at the subject property

Civil Drawings

******* TO BE FILLED OUT BY ENGINEER / DESIGNER *******

******* LANDSCAPE APPROVAL AND INSPECTION *******

- A LANDSCAPE PLAN (which depicts the plant types and locations) Must Be Submitted To The Town Planner For Review And Approval On or Before (30 Days).
- The Required LANDSCAPE PLANT MATERIAL Must Be Installed And Inspected Prior To Receiving A Certificate of Compliance.
- To request on inspection contact Planning Director at 336-454-1138.

******* PROJECT SUMMARY *******

Minimum Number of Required Parking Spaces: _____
 Total Number of Provided Parking Spaces: **44 SPACES**
 Plot book and/or Deed book Reference: **089831-02891**
 Street Classification(s): **IND - INDUSTRIAL DISTRICT**
 Developer's Name: **SILVI MATERIALS**
 Address: **355 NEWGARD RD, FAIRLESS HILLS, PA 19030**
 Daytime Phone Number: **(267) 586-1520**
 Existing Land Use: **IND - INDUSTRIAL DISTRICT** SIC #: **3272**

Stormwater Management/Watershed

Stormwater Control/Improvements(s): **NONE**
 Maximum Amount of BUA Allowed Per Stormwater Control Design: **EXISTING BUA: 9.03 AC**
 Distance to Nearest Floodway: **3,500 FT**
 On-site soil type(s): **B, AML &**
 Hydrology group(s): **SOIL GROUP**
 Amount of site to be disturbed: **9.03 ACRES**

******* FINANCIAL RESPONSIBILITY ACKNOWLEDGEMENT *******

I, the undersigned, is to provide a one year warranty to guarantee the public improvement from failure due to faulty workmanship or materials. Once the project is complete, this individual or partnership or corporation shall be responsible for the maintenance and return of this agreement. They will receive a final acceptance letter and the year warranty will begin. The Town of Jamestown will not release bonds or accept public infrastructure for maintenance without a final inspection.

Financial Responsibility Individual or Corporation _____ Signature _____
 ADDRESS: _____
 TELEPHONE: _____

******* TRANSPORTATION APPROVAL *******

(Contact Planning Director at 336-454-1138)
 Driveway Permit: _____
 Driveway Permit Required
 N.C. Department Of Transportation Driveway Permit Required.
 Driveway Permit Issued? YES _____ NO, DO NOT ISSUE BUILDING PERMIT _____

******* SUBDIVISION APPROVAL *******

A FINAL PLAT Must Be Recorded In The Guilford County Register Or Deeds Prior To Issuance Of A Building Permit.
 Final Plat Recorded? YES _____ NO, DO NOT ISSUE BUILDING PERMIT _____

******* PUBLIC SERVICES CONSTRUCTION APPROVAL *******

- Pavement Cut Permit May Be Required*
- Roadway Construction Plans Required*
- Storm Sewer System.
- Permit Required To Tie Into Stormwater System
- Driveway Culvert Inspection Required.

Water Systems*

- Jamestown Water Tap Privilege Fee and Meter Charge
- State Water Permit Required
- Outside City-Utility Agreement and Annexation Petition Required.
- Sanitary Sewer System*
- Jamestown Sewer Tap Privilege Fee and Meter Charge
- State Sanitary Sewer Permit Required.
- Outside City-Utility Agreement and Annexation Petition Required.

*Fee required before construction plans are released and NCEMR applications approved.

******* TREE PRESERVATION APPROVAL AND INSPECTION *******

- The Required TREE PROTECTION FENCING Must Be Installed and Inspected Prior To Land Disturbance.
- To request a pre-construction meeting contact the Town Planner at 336-454-1138
- The Required REFORESTATION AREA Must Be Installed And Inspected Prior To Receiving A Certificate of Compliance.

******* ZONING APPROVAL AND INSPECTION *******

- The Required Parking Spaces And Drive Aisles Must Be PAVED AND STRIPED Prior To Receiving A Certificate of Compliance.
- Tank Permit required* (Contact Planning Director at 336-454-1138)
- Sign Permit required* (Contact Planning Director at 336-454-1138).

******* WATERSHED APPROVAL AND INSPECTION *******

- A FINAL PLAT Must Be Recorded In The Guilford County Register Or Deeds Prior To Receiving A Certificate of Occupancy.
- Construction of the WATER QUALITY DEVICE(S) Must Be Complete and the Engineer's Certificate of Completion Sent To The Planning Director Prior To Receiving A Certificate of Occupancy.
- Contact the Town of Jamestown Planning Department at 336-454-1138 to schedule Watershed Plan Review.
- Elevation Certification Required

COOR SHEET APPLICATION FORM (Effective January 1, 2007)
 Town of Jamestown Planning Department
 Building Department
 301 East Main Street, Jamestown, NC 27882
 If you have any questions about the process, call the Planning Director at 336-454-1138

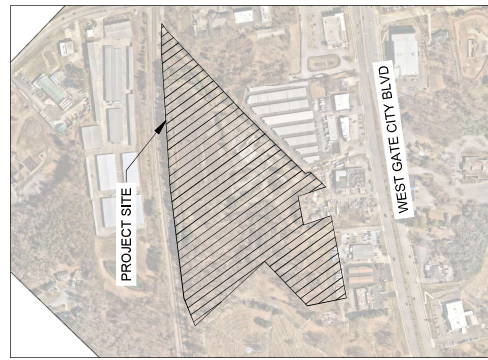
Name of Applicant: **SILVI MATERIALS** File Number: _____
 Telephone Number: **(267) 586-1520** Fax Number: _____
 E-mail: **GREEN@SILVI.COM**
 Project Name: **INDUSTRIAL DISTRICT**
 Response Number: **(643) 737-6390** File Number: _____
 E-mail: **ALEX.HENLEY@KIMLEY-HORN.COM**
 Report Comments: N/A
 Telephone Number: _____ File Number: _____
 E-mail: _____ File Number: _____
 Site: **West Gate City Blvd. Acres**
 Proposed Use: **INDUSTRIAL DISTRICT**
 Municipality, Development, # of Units, Conditions
 Non-Residential, Residential, Existing, ZFA, Proposed, ZFA
 Amount of Existing BUA: _____
 Project Submission Guidelines
 Plans submitted to the Planning Director must not include the items on the Design Review Application Form. All this portion of the cover sheet must be filled out and signed by the engineer/designer. All items to be shown must be done and be reviewed, and will be returned to the contact person.
 I have read, understood and completed the attached plan to the best of my knowledge and ability.

Name: _____ Date: _____
 Signature: _____

******* DEVELOPMENT FORMS TO BE COMPLETED AND SUBMITTED *******

(Contact Public Services Director at 336-454-1138)

- Development Checklist
- Dedication Warranty
- Certificate of Construction Completion
- Engineer Certification of Compliance
- AS-built Plans Printed on Mylar



**VICINITY MAP
(Scale 1" = 300')**

Technical Review Committee Endorsement Block

Watershed Plan and/or Site Plan, Group Development Plan, Subdivision Plan approved by the Technical Review Committee for 24 months, subject to the approval of any required street and utility plans and profiles and approval of a separate land-disturbing permit and/or erosion control plan.

Director of Planning and Development _____ Date _____
 Public Service Director _____ Date _____

Note: Plan approval represents the maximum possible development on the site. Additional reviews in the process (including Public Services plan review) could reduce the amount of development possible on the site.

Conformance with this approved plan is your responsibility; and any change in land use, lot lines, building locations, parking, drives, utility lines, landscaping, etc. must be resubmitted to the Planning Department to eliminate delays in the review process.

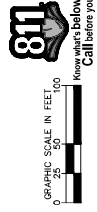
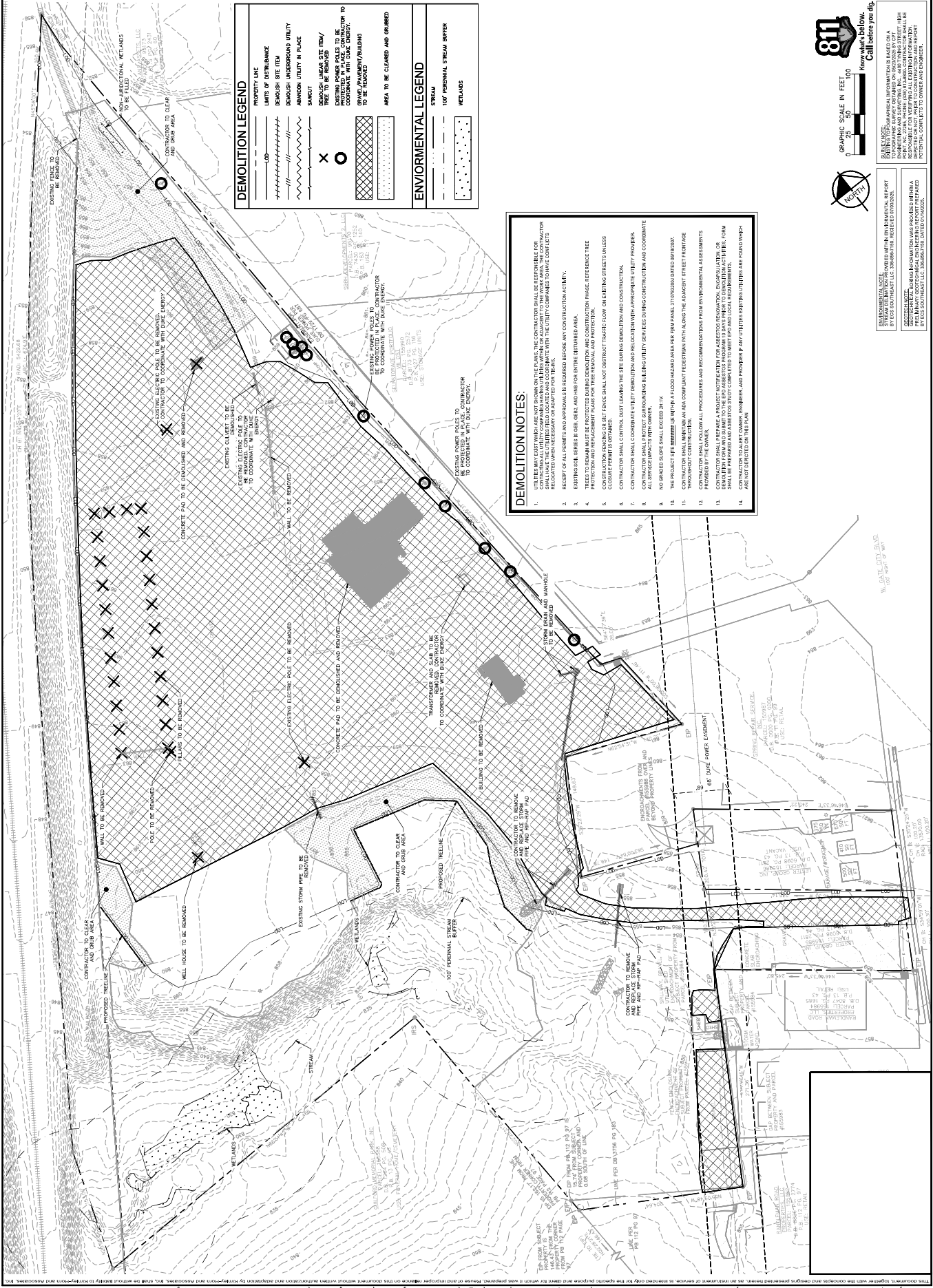
TRACKING NUMBER _____

REV.	DATE	DESCRIPTION	BY

NO. PROJECT	91100001
DATE	10/01/2025
SCALE	AS SHOWN
DRAWN BY	LDS
CHECKED BY	SMH

Kimley-Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
500 S MAIN STREET, SUITE 300, GREENVILLE, SC 29601
WWW.KIMLEY-HORN.COM PHONE 704.333.1311

NO.	7
REVISIONS	
DATE	



811
Know what's below.
Call before you dig.

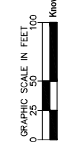
ENVIRONMENTAL NOTE: SURVEYED WITHIN 100 FEET BUFFER OF A STREAM AND 100 FEET BUFFER OF A 100' PERMANENT STREAM BUFFER. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.

SECTION NOTE: THIS PLAN IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE DESIGNER. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.

DEMOLITION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.
2. RECEIPT OF ALL PERMITS AND APPROVALS IS REQUIRED BEFORE ANY CONSTRUCTION ACTIVITY.
3. EXISTING UTILITIES (E.G., GAS, WATER, AND SEWER) SHALL BE PROTECTED AND NOT REMOVED UNLESS OTHERWISE SPECIFIED.
4. TREES TO BE REMOVED SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION PHASES. REFERENCE TREE PROTECTION AND REPLACEMENT PLAN FOR TREE REMOVAL AND PROTECTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.
8. ALL SERVICES SHALL BE COORDINATED WITH THE OWNER.
9. NO GRADED SLOPE SHALL EXCEED 2:1 V.
10. THE PROJECT SITE IS WITHIN A FLOOD HAZARD AREA PER FEMA PANEL 171793000 DATED 08/10/07.
11. CONTRACTOR SHALL MAINTAIN AN ADA COMPLIANT PEDESTRIAN PATH ALONG THE ADJACENT STREET FRONTAGE THROUGHOUT CONSTRUCTION.
12. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.
13. CONTRACTOR SHALL PREPARE A PROJECT NOTIFICATION FOR ASBESTOS RENOVATION, DECONTAMINATION, OR REMEDIATION AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.
14. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND LOCAL WETLANDS AGENCY.

NO.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			
7			



SUBMITTAL NOTE: THIS PLAN IS TO BE USED FOR A PERMIT APPLICATION ONLY. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES.

ENVIRONMENTAL NOTE: THIS PLAN IS TO BE USED FOR A PERMIT APPLICATION ONLY. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES.

SECTION NOTE: THIS PLAN IS TO BE USED FOR A PERMIT APPLICATION ONLY. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES.

SITE NOTES:
1. ALL DIMENSIONS ARE FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. SEE MARKS INSTALLED AGAINST BACK OF CURB SHALL BE INSTALLED PER THE PLAN AS MEASURED FROM THE BACK OF CURB.
3. ALL SIGNAGE AND STRIPING MUST MEET THE LATEST REQUIREMENTS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) AND BE INSTALLED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NCDOT.
4. REFERENCE LANDSCAPE PLANS FOR ALL LANDSCAPE AND LANDSCAPE DETAILS AND SPECIFICATIONS.

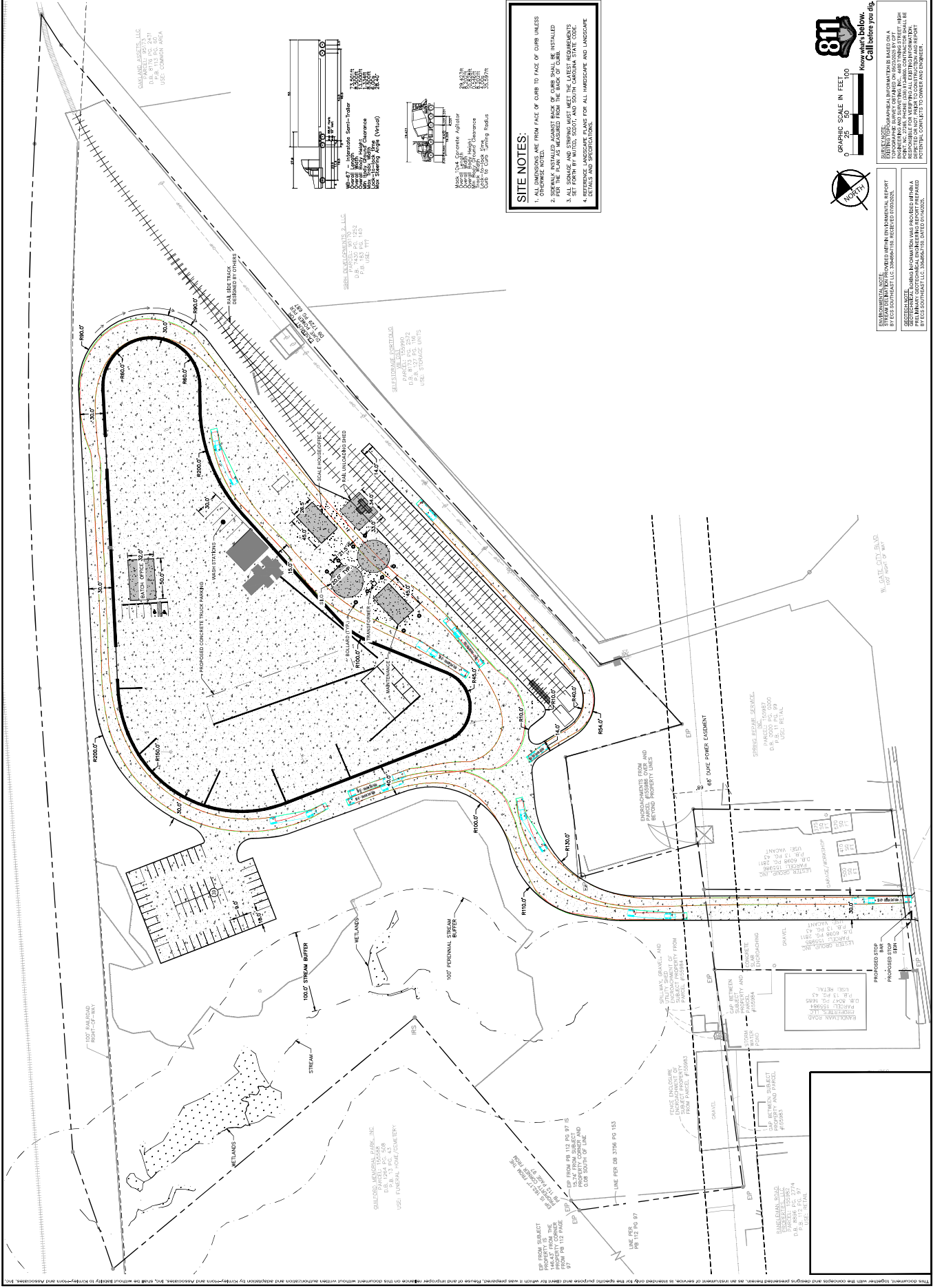
DEVELOPMENT SUMMARY:
SILVI MATERIALS GREENSBORO
PROJECT NAME: SILVI MATERIALS GREENSBORO
ADDRESS: 1 METALS DRIVE, GREENSBORO, NC 27407
PROPERTY OWNER: THE LESTER GROUP INC
TAX PARCEL ID: 105966155886155891
CURRENT ZONING: PD
SITE AREA: 181.6 AC
PERMITS/APPROVALS: PERMITS: 8032, 8033, 8034, 8035, 8036, 8037, 8038, 8039, 8040, 8041, 8042, 8043, 8044, 8045, 8046, 8047, 8048, 8049, 8050, 8051, 8052, 8053, 8054, 8055, 8056, 8057, 8058, 8059, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8068, 8069, 8070, 8071, 8072, 8073, 8074, 8075, 8076, 8077, 8078, 8079, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088, 8089, 8090, 8091, 8092, 8093, 8094, 8095, 8096, 8097, 8098, 8099, 8100, 8101, 8102, 8103, 8104, 8105, 8106, 8107, 8108, 8109, 8110, 8111, 8112, 8113, 8114, 8115, 8116, 8117, 8118, 8119, 8120, 8121, 8122, 8123, 8124, 8125, 8126, 8127, 8128, 8129, 8130, 8131, 8132, 8133, 8134, 8135, 8136, 8137, 8138, 8139, 8140, 8141, 8142, 8143, 8144, 8145, 8146, 8147, 8148, 8149, 8150, 8151, 8152, 8153, 8154, 8155, 8156, 8157, 8158, 8159, 8160, 8161, 8162, 8163, 8164, 8165, 8166, 8167, 8168, 8169, 8170, 8171, 8172, 8173, 8174, 8175, 8176, 8177, 8178, 8179, 8180, 8181, 8182, 8183, 8184, 8185, 8186, 8187, 8188, 8189, 8190, 8191, 8192, 8193, 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TRUCK TURN

NO. PROJECT	91510001
DATE	10/01/2025
SCALE	AS SHOWN
DRAWN BY	LDG
CHECKED BY	SMH

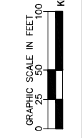
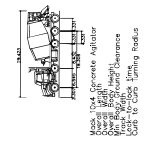
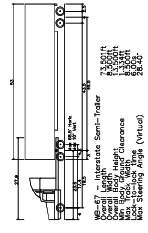
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3025 WILKLEY/CORUM PLACE, FAYETTEVILLE, NC 28404
500 S MAIN STREET, SUITE 300, GREENVILLE, NC 29601

NO.	REVISIONS	DATE
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SITE NOTES:

- ALL DIMENSIONS FROM FACE OF CURB UNLESS OTHERWISE NOTED.
- SEWER MAINS SHALL BE INSTALLED AGAINST BACK OF CURB AS MEASURED FROM THE BACK OF CURB.
- SEE NOTES ON THE PLAN FOR ALL DIMENSIONS AND SPECIFICATIONS.
- SEE PLAN FOR ALL DIMENSIONS AND SPECIFICATIONS.
- REFERENCE LANDSCAPE PLANS FOR ALL LANDSCAPE AND LANDSCAPE DETAILS AND SPECIFICATIONS.



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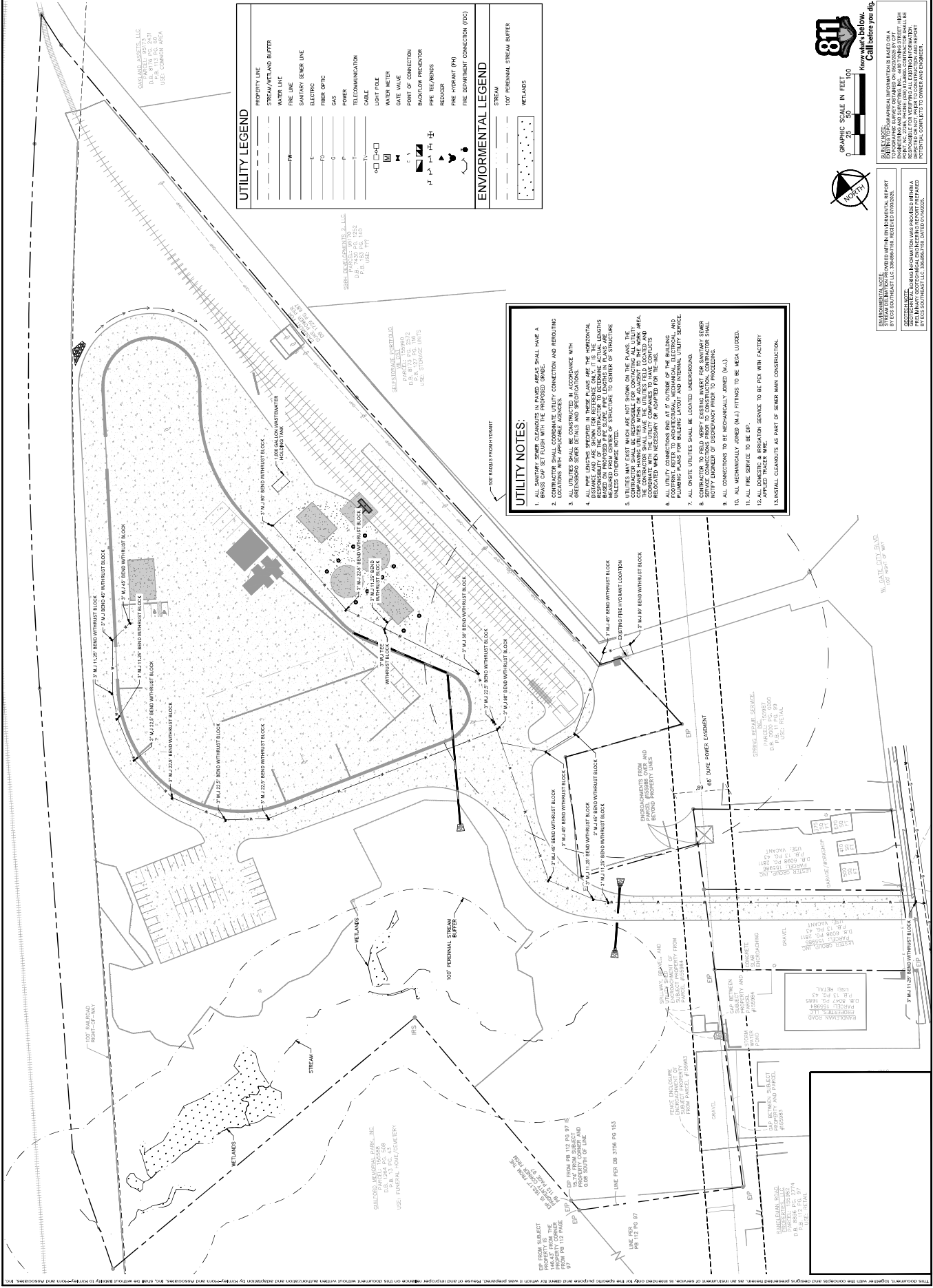
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UTILITY PLAN

DATE	10/01/2025
SCALE	AS SHOWN
DRAWN BY	LDG
CHECKED BY	SMH

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UTILITY LEGEND

PROPERTY LINE	--- --
STREAM/RETAINING BUFFER	--- --
SEWER LINE	--- --
WATER MAIN	--- --
SAINT/SEWER LINE	--- --
ELECTRIC	--- --
GAS	--- --
POWER	--- --
TELECOMMUNICATION	--- --
CABLE	--- --
WATER METER	⊠
GATE VALVE	⊠
POINT OF CONNECTION	⊠
BACKFLOW PREVENTION	⊠
PIPE TEES/BENDS	⊠
REDUCER	⊠
FIRE HYDRANT (FH)	⊠
FIRE DEPARTMENT CONNECTION (FDC)	⊠

ENVIRONMENTAL LEGEND

STREAM	--- --
100' PERSONAL STREAM BUFFER	--- --
WETLANDS	--- --

UTILITY NOTES:

1. ALL SHOWN UTILITY CLEARANCES IN PAVED AREAS SHALL MAINTAIN A MINIMUM CLEARANCE OF 10 FEET TO THE TOP OF THE UTILITY.
2. CONTRACTORS SHALL COORDINATE UTILITY CONNECTION AND BIDDING WITH ALL UTILITIES WITH APPLICABLE AGENCIES.
3. ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS OF THE AGENCIES.
4. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LENGTHS IN THE FIELD BASED ON PROPOSED PIPE SIZES AND LAYOUTS IN PLANS ARE BASED ON PROPOSED PIPE SIZES AND LAYOUTS IN PLANS ARE UNLESS OTHERWISE NOTED.
5. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE EXISTENCE OF ALL UTILITIES AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RESOLVED WHEN NECESSARY OR ADAPTED FOR THE USE.
6. CONTRACTORS SHALL VERIFY THE EXISTENCE OF ALL UTILITIES AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RESOLVED WHEN NECESSARY OR ADAPTED FOR THE USE.
7. ALL ON-SITE UTILITIES SHALL BE LOCATED UNDERGROUND.
8. CONTRACTORS SHALL VERIFY THE EXISTENCE OF ALL UTILITIES AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RESOLVED WHEN NECESSARY OR ADAPTED FOR THE USE.
9. ALL MECHANICALLY JOINED (M.J.) FITTINGS TO BE MEAS. LURSED.
10. ALL DOMESTIC & IRRIGATION SERVICE TO BE PER WITH FACTORY APPLIED BRASS WRENCH.
11. ALL FIRE SERVICE TO BE EP.
12. ALL DOMESTIC & IRRIGATION SERVICE TO BE PER WITH FACTORY APPLIED BRASS WRENCH.
13. ALL UTILITY CLEARANCES AS PART OF SEWER MAIN CONSTRUCTION.



811
Know what's below.
Call before you dig.

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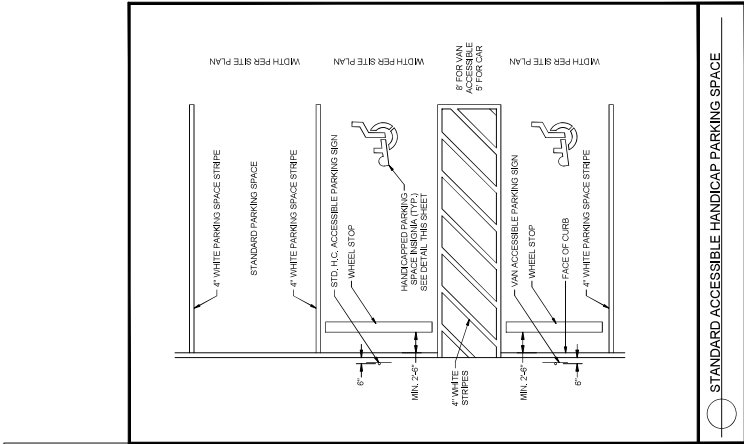
SITE DETAILS

NO. PROJECT	10100001
DATE	10/01/2025
SCALE	AS SHOWN
DRAWN BY	KAK
CHECKED BY	SMH

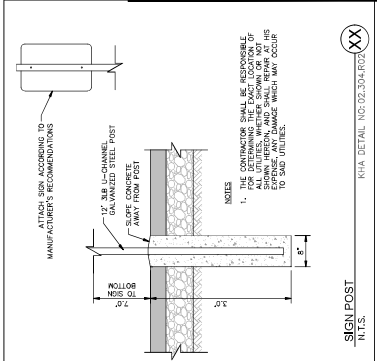
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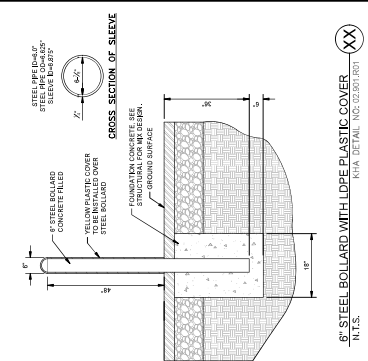
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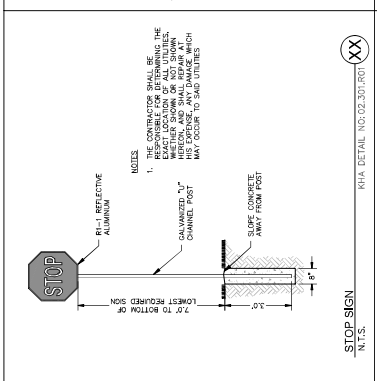
STANDARD ACCESSIBLE HANDICAP PARKING SPACE



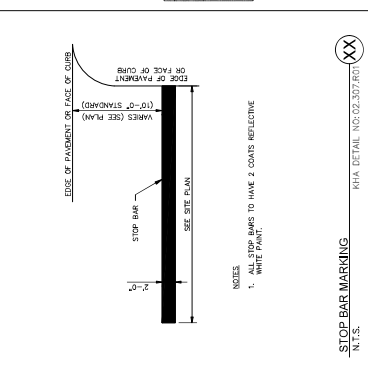
SIGN POST
 N.T.S.



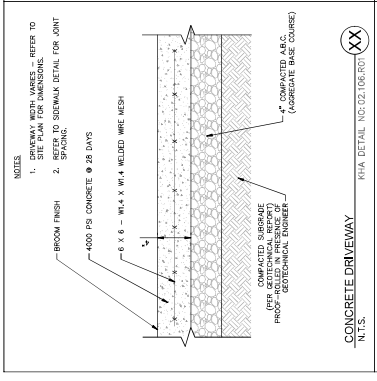
6" STEEL BOLLARD WITH LDPE PLASTIC COVER
 N.T.S.



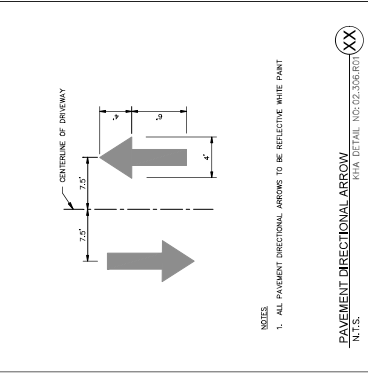
STOP SIGN
 N.T.S.



STOP BAR MARKING
 N.T.S.



CONCRETE DRIVEWAY
 N.T.S.



PAVEMENT DIRECTIONAL ARROW
 N.T.S.

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STORMWATER DETAILS

NO. PROJECT	01500001
DATE	10/01/2025
SCALE	AS SHOWN
DESIGNED BY	KAK
CHECKED BY	LSJ

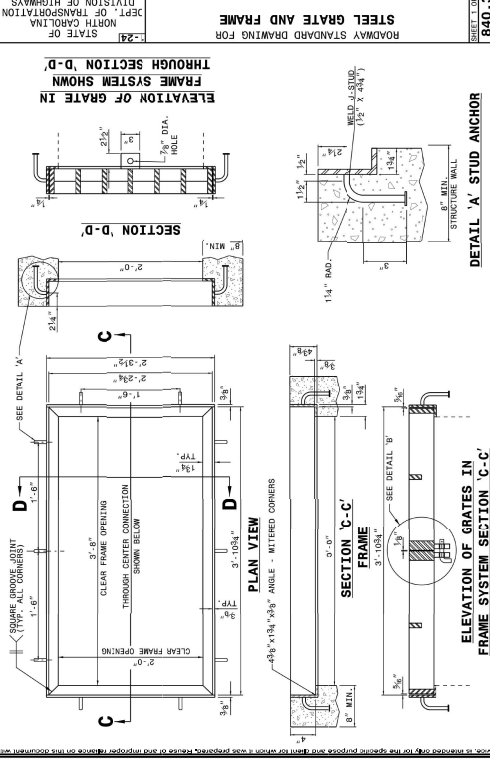
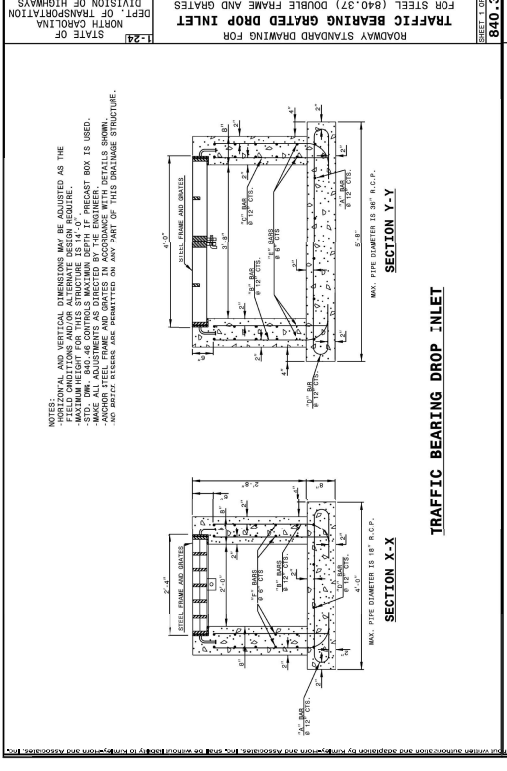
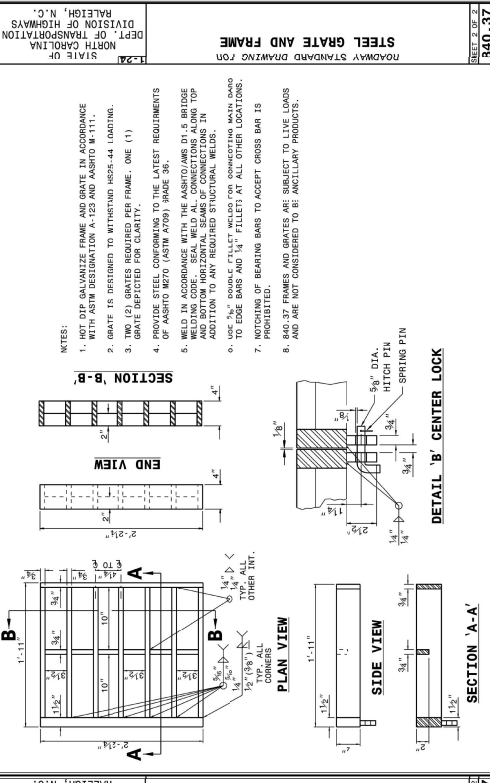
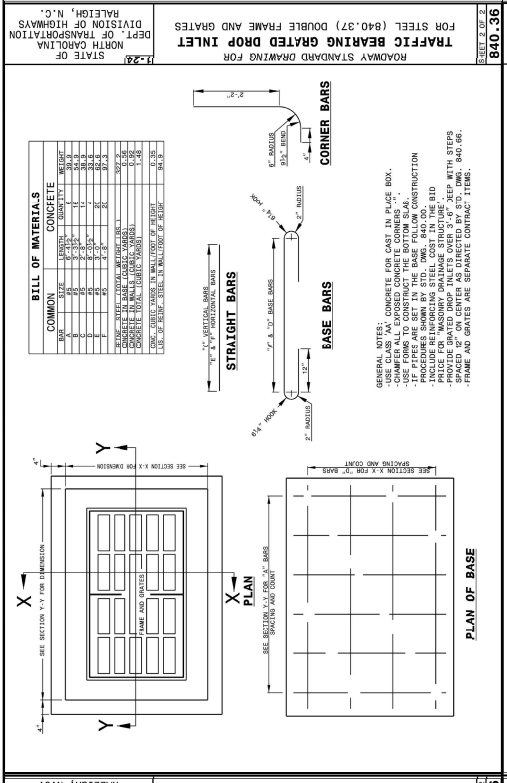
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STATEMENT OF WORK
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

GENERAL NOTES
1. NOT DTP GALVANIZED FRAME AND GRATE IN ACCORDANCE WITH AISC DESIGNATION A.133 AND AISI 430 W 1111.
2. GRATE IS DESIGNED TO WITHSTAND HS20-44 LOADING.
3. BRIDGE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF AASHTO M270 (ASTM A798) GRADE 305.
4. PROVIDE STEEL CONNECTIONS TO THE LATEST REQUIREMENTS OF AASHTO M270 (ASTM A798) GRADE 305.
5. WELD IN ACCORDANCE WITH THE AASHTO/AWS D1.5 BRIDGE WELDING CODE. SEAL WELD ALL CONNECTIONS ALONG TOP SURFACE OF GRATE TO PREVENT WEATHERING WATER IN ADDITION TO ANY REQUIRED STRUCTURAL WELDS.
6. USE 3/4" DIAMETRIC TYPICAL WELDED CONNECTION MAIN DIAM AND EDGE BARS AND 1/2" TYPICAL AT ALL OTHER LOCATIONS.
7. NOTCHING OF BEARING BARS TO ACCEPT CROSS BAR IS PROHIBITED.
8. ALL PARTS ARE SUBJECT TO THE LOADS AND ARE NOT CONSIDERED TO BE ANGLICULAR PRODUCTS.



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CHECKED BY: SJK
 DRAWN BY: LGS
 DESIGNED BY: KAK
 SCALE: AS SHOWN
 DATE: 10/01/2025
 PROJECT: 815100001

UTILITY DETAILS

SILVI MATERIALS METALS DR
 SILVI MATERIALS
 1 METALS DRIVE, GREENSBORO,
 NORTH CAROLINA 2740

C10-100
 SHEET NO. 106



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DESIGNER'S NOTE: THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE OWNER AND ENGINEER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE OWNER AND ENGINEER.

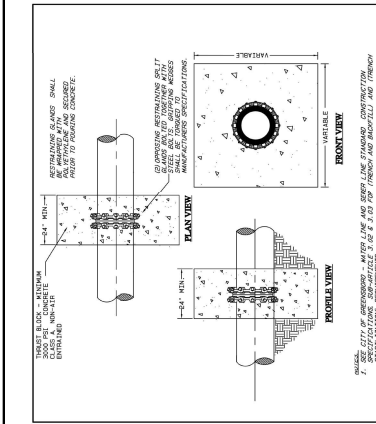
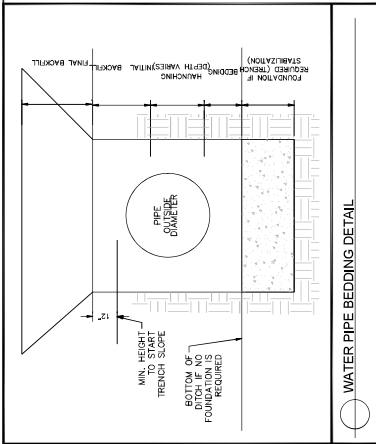


TABLE 1: MINIMUM LOGICAL THICKNESS OF LAMINATE REQUIRED

PIPE SIZE (IN)	MINIMUM LOGICAL THICKNESS (IN)	MINIMUM LOGICAL THICKNESS (IN)	MINIMUM LOGICAL THICKNESS (IN)
8"	1.5	2.1	2.5
10"	2.0	2.8	3.5
12"	2.5	3.5	4.5
15"	3.0	4.2	5.5

NOTES:
 1. ALL LAMINATE SHALL BE CONCRETE OR POLYMER CONCRETE.
 2. ALL LAMINATE SHALL BE REINFORCED WITH STEEL OR FIBER GLASS REINFORCEMENT.
 3. ALL LAMINATE SHALL BE CURED APPROPRIATELY CENTER OF PIPE.
 4. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY SOIL.
 5. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY WATER.
 6. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY AIR POLLUTION.
 7. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY CHEMICALS.
 8. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY MECHANICAL STRESS.
 9. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY IMPACT.
 10. ALL LAMINATE SHALL BE PROTECTED FROM DAMAGE BY FIRE.

CITY OF GREENSBORO
 DEADMAN THRUST RESTRAINT WITH MASS WEIGHT BLOCKING
 STD. NO. 118
 REV. 08-15

TABLE 2: STANDARD REACTION BEARING AREAS FOR NONPLANAR WATER PIPE BENDS

PIPE SIZE (IN)	REAR BEND (SQ. FT.)	FRONT BEND (SQ. FT.)	REAR BEND (SQ. FT.)	FRONT BEND (SQ. FT.)	REAR BEND (SQ. FT.)	FRONT BEND (SQ. FT.)	REAR BEND (SQ. FT.)	FRONT BEND (SQ. FT.)	REAR BEND (SQ. FT.)	FRONT BEND (SQ. FT.)
8"	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10"	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12"	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
15"	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

NOTES:
 1. ALL BEARING AREAS ARE TO BE MEASURED IN A VERTICAL PLANE IN THE TRENCH SIDE.
 2. ALL BEARING AREAS ARE TO BE MEASURED TO THE CENTERLINE OF THE PIPE.
 3. ALL BEARING AREAS ARE TO BE MEASURED TO THE CENTERLINE OF THE PIPE.
 4. ALL BEARING AREAS ARE TO BE MEASURED TO THE CENTERLINE OF THE PIPE.
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 6. ALL BEARING AREAS ARE TO BE MEASURED TO THE CENTERLINE OF THE PIPE.
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 10. ALL BEARING AREAS ARE TO BE MEASURED TO THE CENTERLINE OF THE PIPE.

CITY OF GREENSBORO
 STANDARD REACTION BEARING AREAS FOR NONPLANAR WATER PIPE BENDS
 STD. NO. 106
 REV. 10-15

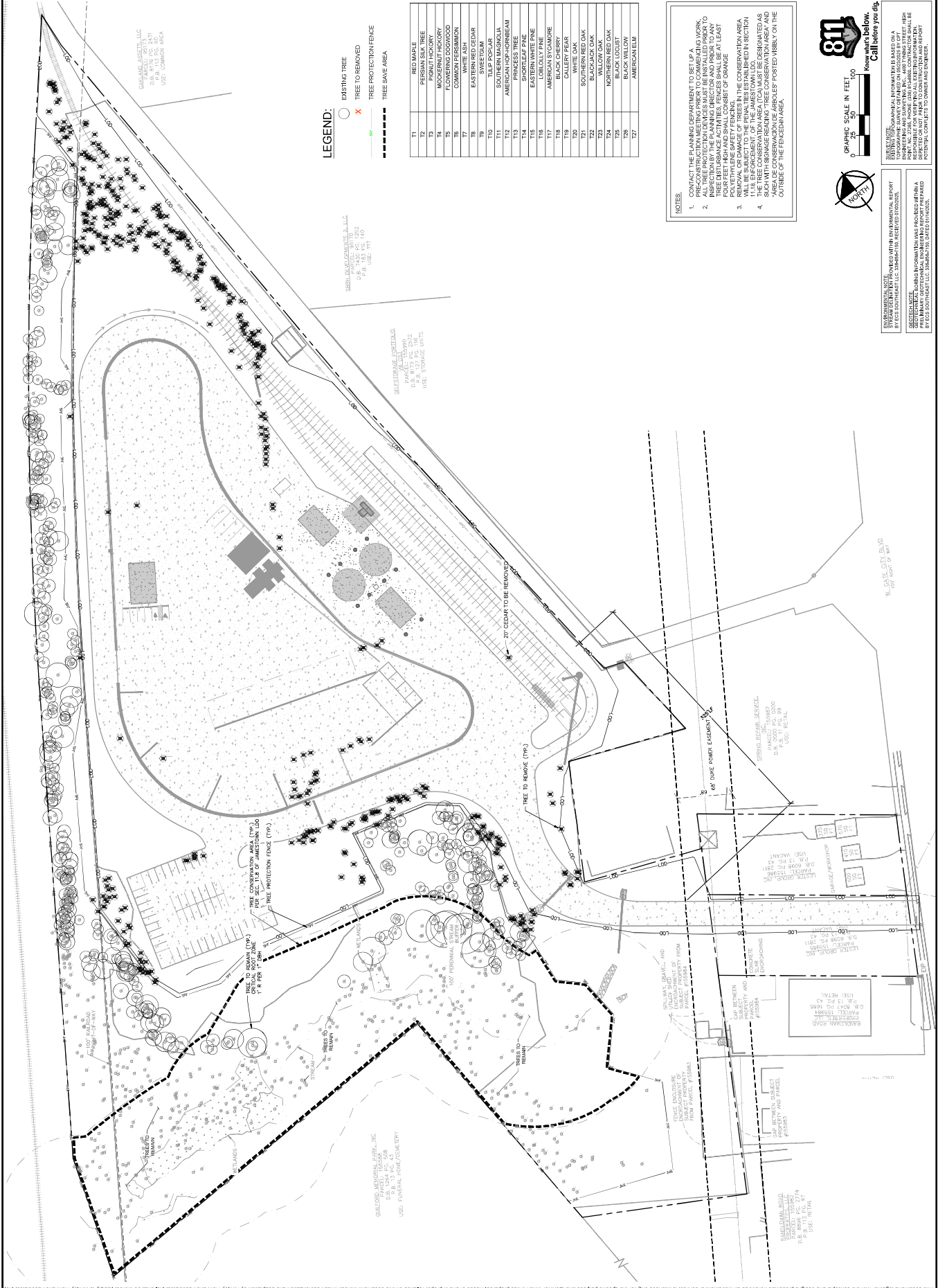
TREE PROTECTION PLAN

NO. PROJECT: 01510001
DATE: 10/01/2025
SCALE: AS SHOWN
DRAWN BY: MMD
CHECKED BY: MMD



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WWW.KIMLEY-HORN.COM PHONE: 704.333.1311
590 S MAIN STREET, SUITE 300, GREENVILLE, NC 29601

NO.	REVISIONS	DATE
1		
2		
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4		
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6		
7		



NO.	TREE SPECIES
T1	RED MAPLE
T2	PERSEA SISKI TREE
T3	PIGMY HICKORY
T4	MOCKERNUT HICKORY
T5	COMMON HICKORY
T6	COMMON PERSIMMON
T7	WHITE ASH
T8	EASTERN RED CEDAR
T9	DOGWOOD
T10	RED PINE
T11	SOUTHERN MAGNOLIA
T12	AMERICAN HOP-HORNBEAM
T13	PROCESSED TREE
T14	AMERICAN BIRCH
T15	EASTERN WHITE PINE
T16	LORLOLLY PINE
T17	AMERICAN SYCAMORE
T18	GALLERY PEAR
T19	WHITE OAK
T20	SOUTHERN RED OAK
T21	BLACK OAK
T22	WALLOW OAK
T23	NORTHERN RED OAK
T24	BLACK LOCUST
T25	AMERICAN SWEETGUM
T26	AMERICAN SWEETGUM
T27	AMERICAN SWEETGUM

LEGEND:
 ○ EXISTING TREE
 X TREE TO BE REMOVED
 --- TREE PROTECTION FENCE
 --- TREE SAVE AREA

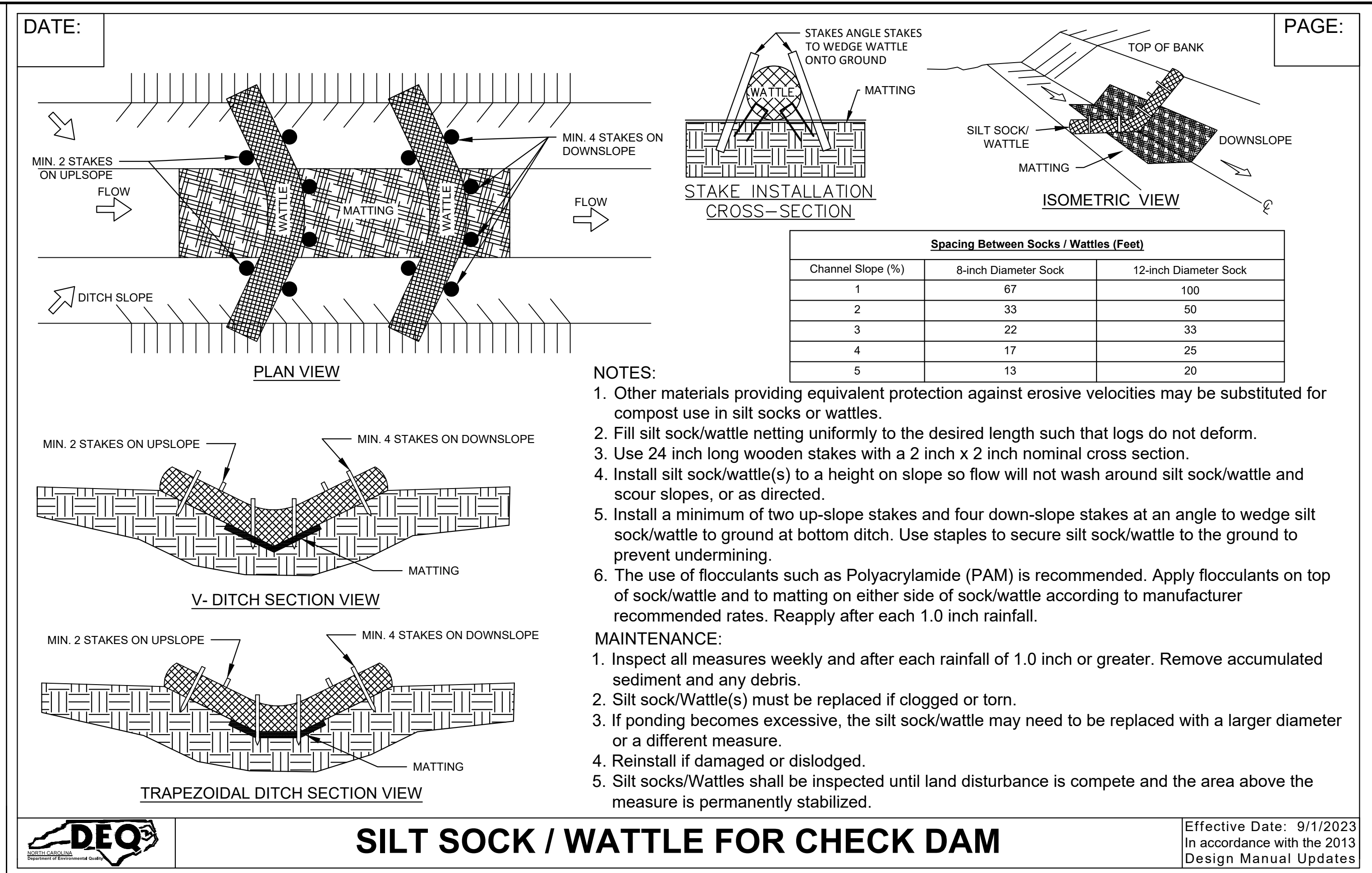
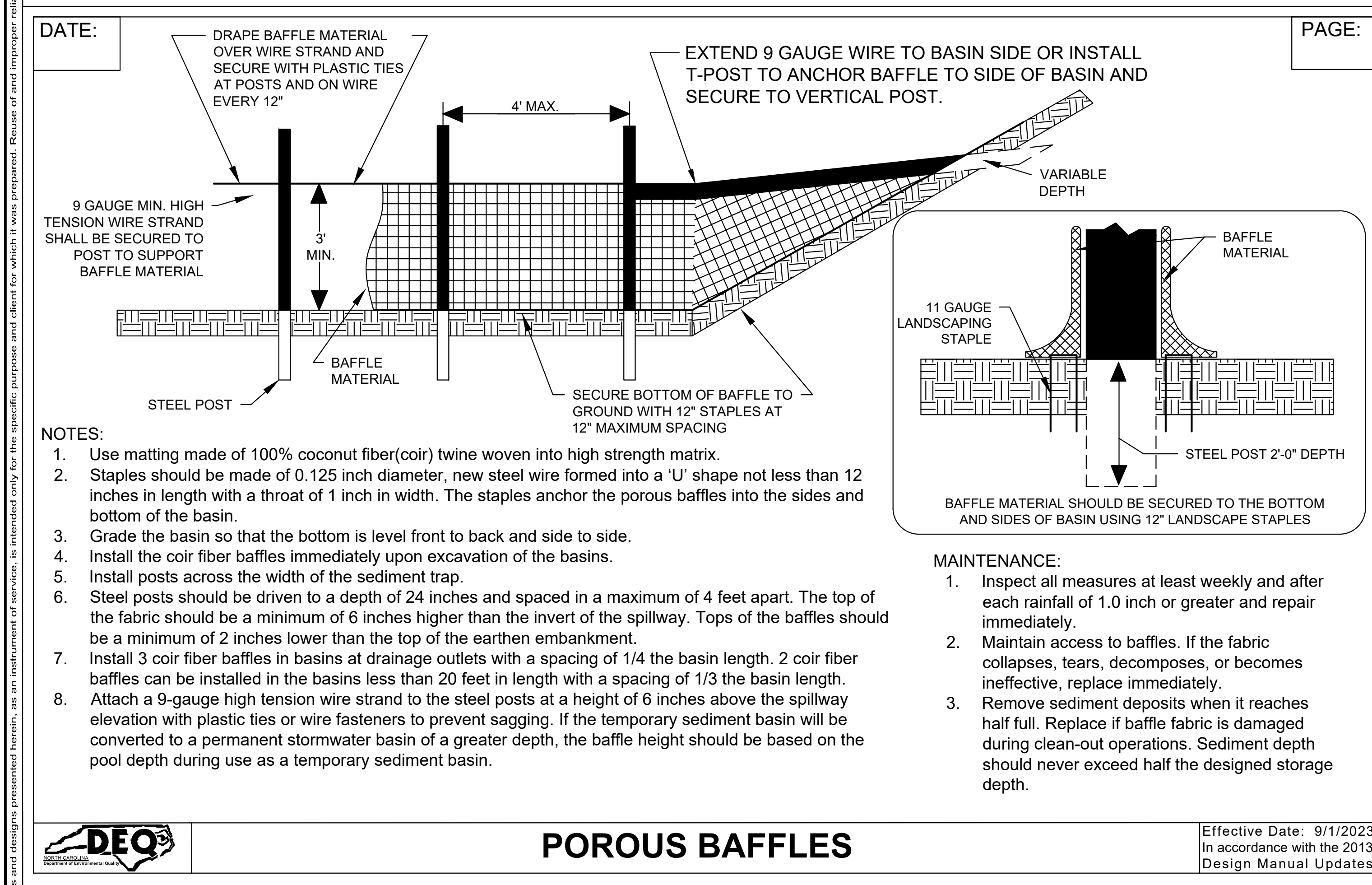
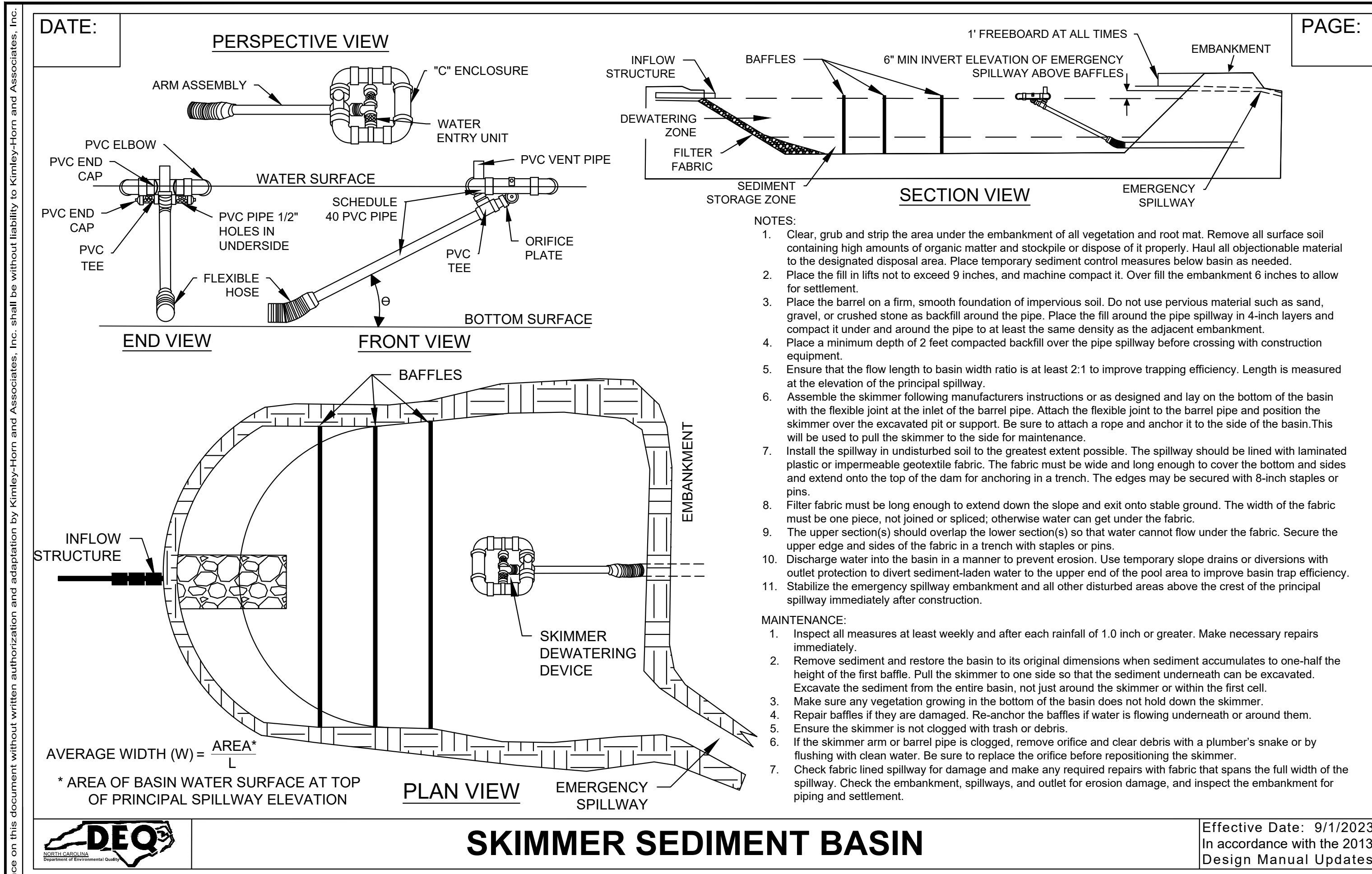
- NOTES:**
- CONTACT THE PLANNING DEPARTMENT TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING WORK.
 - ALL TREE PROTECTION FENCES MUST BE INSTALLED PRIOR TO TREE REMOVAL ACTIVITIES. FENCES SHALL BE AT LEAST 4 FEET HIGH AND SHALL BE CONSTRUCTED OF POLYETHYLENE SAFETY FENCING.
 - REMOVAL OR DAMAGE OF TREES IN THE CONSERVATION AREA SHALL BE AT THE DISCRETION OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SUCH TREE REMOVAL SHALL BE AT THE DISCRETION OF THE DESIGNER.
 - AREA OF CONSERVATION OF TREES POSTED BY THE CITY OF GREENSBORO, NC.



ENVIRONMENTAL NOTE:
 THIS PLAN WAS PREPARED BY THE DESIGNER AND THE DESIGNER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS FOUND NO OTHER SIGNIFICANT FEATURES OR CONDITIONS THAT WOULD AFFECT THE DESIGN OR CONSTRUCTION OF THE PROJECT.

GENERAL NOTE:
 THE DESIGNER HAS CONDUCTED VISUAL INSPECTIONS OF THE SITE AND HAS FOUND NO OTHER SIGNIFICANT FEATURES OR CONDITIONS THAT WOULD AFFECT THE DESIGN OR CONSTRUCTION OF THE PROJECT.

This document, together with the concepts and designs presented herein, are instruments of service, inasmuch as they are prepared by the engineer and design professional and are intended for the specific purpose and client for which they were prepared. It is the responsibility of the engineer and design professional to maintain and defend the quality of their work. This document shall not be used for any other purpose without the written authorization and signature of the engineer and design professional. The engineer and design professional shall not be held responsible for any errors or omissions in this document.



GUILFORD COUNTY PLANNING AND DEVELOPMENT Temporary Seeding			GUILFORD COUNTY PLANNING AND DEVELOPMENT Permanent Seeding		
Planting Type	Planting Rates/ Acres	Planting Dates	Planting Type	Planting Rates/ Acres	Planting Dates
Rye grain and Kobe Lespedeza	120 lbs. 50 lbs.	Jan. 1 – May 1	Tall Fescue (Low Maintenance)	100-150 lbs.	Aug. 15 - Oct 15 Feb. 15 – May 1
German Millet or Sudan grass	40-50 lbs.	May 1 – Aug. 15	Tall Fescue waterways and lawns (High Maintenance)	200-250 lbs.	Aug. 1 - Oct. 15 Feb. 15- May 1
Rye grain (oats may be substituted before Oct. 1 or wheat from Oct. 1 – Nov. 15)	120 lbs.	Aug. 15 – Dec. 30	Blend of two turf-type tall fescues (90%) and two or more improved Kentucky bluegrass varieties (10%) high maintenance.	200-250 lbs.	Aug. 15 – Oct. 15 Feb. 15 – May 1
Annual Rye grass	40 lbs.	Aug. 15 – Nov. 30	Tall fescue and Kobe or Korean Lespedeza	100 lbs. and 20-25 lbs.	Feb. 15 – May 1 Aug. 15 - Oct. 15
Weeping Lovegrass	5 lbs.	May 1 – Aug. 15	Tall Fescue and Sericea Lespedeza	50 lbs. 60 lbs.	Nov. 1 – Feb. 1 (unscarified)
			Tall fescue and German Millet or Sudangrass	60 lbs. 30 lbs.	July and August
			Tall Fescue and Ryegrain	70 lbs. 25 lbs.	Nov. 1 - Jan. 30
			Common Bermudagrass	8 lbs. (hulled) 15-20 lbs. (unhulled)	Apr. 15 – June 30 Feb. 1 – Mar. 30

Temporary Seeding Page 1 of 1 Rev. 5/26/2023

Permanent Seeding Page 1 of 1 Rev. 5/26/2023

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DATE: _____ BY: _____

REVISIONS

7	6	5	4	3	2	1	No.
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550 S MAIN STREET, SUITE 300, GREENVILLE, SC 29601

PRELIMINARY
NOT FOR CONSTRUCTION

EROSION CONTROL DETAILS

SILVI MATERIALS METALS DR
PREPARED FOR
SILVI MATERIALS
1 METALS DRIVE, GREENSBORO,
NORTH CAROLINA 2740

SHEET NUMBER
C7-05

