

**SOIL EROSION AND SEDIMENT CONTROL PLAN  
FOR  
PROPOSED COMMERCIAL CONTRACTOR UNITS  
PLAT MAP 10, LOT 42  
71 HARKNEY HILL ROAD  
COVENTRY, RHODE ISLAND**

**MARCH 2025**

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# Soil Erosion and Sediment Control Plan

## For:

### Proposed Commercial Contractor Units

71 Harkney Hill Road

Coventry, RI 02816

Plat Map 10, Lots 42

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**Owner:**

AJB Real Estate, LLC

2 Station Street

Coventry RI 02816

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**Operator:**

To Be Determined Upon Contract Award

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**Estimated Project Dates:**

Start Date: June 2025

Completion Date: November 2025

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**SESC Plan Prepared By:**

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**SESC Plan  
Preparation Date:**

March 2025

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**SESC Plan Revision  
Date:**

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## OPERATOR CERTIFICATION

*I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that it is the responsibility of the owner/operator to implement and amend the Soil Erosion and Sediment Control Plan as appropriate in accordance with the requirements of the RIPDES Construction General Permit.*

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Operator Signature:

Date

*TO BE DETERMINED UPON CONTRACT AWARD*

Contractor Representative:

Contractor Title:

Contractor Company Name:

Address:

Phone Number:

Email Address:

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## INTRODUCTION

The purpose of erosion, runoff, and sedimentation control measures is to prevent pollutants from leaving the construction site and entering waterways or environmentally sensitive areas during and after construction. This SESC Plan has been prepared prior to the initiation of construction activities to address anticipated worksite conditions. The control measures depicted on the site plan and described in this narrative should be considered the minimum measures required to control erosion, sedimentation, and stormwater runoff at the site. Since construction is a dynamic process with changing site conditions, it is the operator's responsibility to manage the site during each construction phase so as to prevent pollutants from leaving the site. This may require the operator to revise and amend the SESC Plan during construction to address varying site and/or weather conditions, such as by adding or realigning erosion or sediment controls to ensure the SESC Plan remains compliant with the RIPDES Construction General Permit. Records of these changes must be added to the amendment log attached to the SESC Plan, and to the site plans as "red-lined" drawings. Please Note: **Even if practices are correctly installed on a site according to the approved plan, the site is only in compliance when erosion, runoff, and sedimentation are effectively controlled throughout the entire site.**

It is the responsibility of the site owner and the site operator to maintain the SESC Plan at the site, including all attachments, amendments and inspection records, and to make all records available for inspection by RIDEM during and after construction. (RIPDES CGP - Part III.G)

The site owner, the site operator, and the designated site inspector are required to review the SESC Plan and sign the Party Certification pages (Section 8). The primary contractor (if different) and all subcontractors (if applicable) involved in earthwork or exterior construction activities are also required to review the SESC Plan and sign the certification pages before construction begins.

Any questions regarding the SESC Plan, control measures, inspection requirements, or any other facet of this document may be addressed to the RIDEM Office of Water Resources, at 401-222-4700 or via email: [water@dem.ri.gov](mailto:water@dem.ri.gov).

## SOIL EROSION AND SEDIMENT CONTROL PLAN GUIDANCE

### SECTION 1: SITE DESCRIPTION

#### 1.1 *Project/Site Information*

Project/Site Name:

- Proposed Commercial Contractor Units
- The project will be constructed in two phases. Phase 1 includes an 8,000-sf metal building, paving, the site's stormwater management system, municipal water, electric, and gas utilities, landscaping and an onsite wastewater treatment system. Project Street/Location:

The following are estimates of the construction site area:

- Total Project Area 2.2 acres (site)
- Total Project Area to be Disturbed 2.3 acres (LOD)

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Yes       No    The Limits of Disturbance have been marked in the field

**1.3      *Natural Heritage Area Information***

RIPDES CGP - Part III.H

Are there any Natural Heritage Areas being disturbed by the construction activity or will discharges be directed to the Natural Heritage Area as a result of the construction activity?

Yes       No

**1.4      *Historic Preservation/Cultural Resources***

Are there any historic properties, historic cemeteries or cultural resources on or near the construction site?

Yes       No

Describe how this determination was made and summarize state or tribal review comments:

- Review of on-line resources

If yes, describe or refer to documentation which determines the likelihood of an impact on this historic property, historic cemetery or cultural resource and the steps taken to address that impact including any conditions or mitigation measures that were approved by other parties.

## **SECTION 2: EROSION, RUNOFF, AND SEDIMENT CONTROL**

RIPDES Construction General Permit – Part III.J.1 – Erosion, Runoff, and Sediment Controls

**2.1      *Avoid and Protect Sensitive Areas and Natural Features***

Areas of existing and remaining vegetation and areas that are to be protected as identified in the Section 1.6 of the SESC Plan must be clearly identified on the SESC Site Plans for each Phase of Construction. Prior to any land disturbance activities commencing on the site, the Contractor shall physically mark limits of disturbance (LOD) on the site and any areas to be protected within the site, so that workers can clearly identify the areas to be protected.

**2.2      *Minimize Area of Disturbance***

Will >5 acres be disturbed in order to complete this project?

Yes       No

Will <5 acres be disturbed or will disturbance activities be completed within a six (6) month window?

Yes       No

Based on the answers to the above questions will phasing be required for this project?

Yes       No

**2.3      *Minimize the Disturbance of Steep Slopes***

Are steep slopes (>15%) present within the proposed project area?

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Yes       No

**2.4      *Preserve Topsoil***

Site owners and operators must preserve existing topsoil on the construction site to the maximum extent feasible and as necessary to support healthy vegetation, promote soil stabilization, and increase stormwater infiltration rates in the post-construction phase of the project.

Will existing topsoil be preserved at the site?

Yes       No

Soil compaction must be minimized by maintaining limits of disturbance throughout construction. In instances where site soils are compacted the site owner and operator must restore infiltration capacity of the compacted soils by tilling or scarifying compacted soils and amending soils as necessary to ensure a minimum depth of topsoil is available in these areas. In areas where infiltrating stormwater treatment practices are located compacted soils must be amended such that they will comply the design infiltration rates.

**2.5      *Stabilize Soils***

Upon completion and acceptance of site preparation and initial installation of erosion, runoff, and sediment controls and temporary pollution prevention measures, the operator shall initiate appropriate temporary or permanent stabilization practices during all phases of construction on all disturbed areas as soon as possible, but not more than fourteen (14) days after the construction activity in that area has temporarily or permanently ceased.

Any disturbed areas that will not have active construction activity occurring within 14 days must be stabilized using the control measures depicted in the SESC Site Plans, in accordance with the *RI SESC Handbook*, and per manufacturer product specifications.

Only areas that can be reasonably expected to have active construction work being performed within 14 days of disturbance will be cleared/grubbed at any one time. It is NOT acceptable to clear and grub the entire construction site if portions will not be active within the 14-day time frame. Proper phasing of clearing and grubbing activities shall include temporary stabilization techniques for areas cleared and grubbed that will not be active within the 14-day time frame.

All disturbed soils exposed prior to October 15 of any calendar year shall be seeded by that date if vegetative measures are the intended soil stabilization method. Any such areas that do not have adequate vegetative stabilization, as determined by the site operator or designated inspector, by November 15, must be stabilized through the use of non-vegetative erosion control measures. If work continues within any of these areas during the period from October 15 through April 15, care must be taken to ensure that only the area required for that day's work is exposed, and all erodible soil must be restabilized within 5 working days. In limited circumstances, stabilization may not be required if the intended function of a specific area of the site necessitates that it remain disturbed (i.e. construction of a motocross track).

**2.6      *Protect Storm Drain Outlets***

Temporary or permanent outlet protection must be used to prevent scour and erosion at discharge points through the protection of the soil surface, reduction in discharge velocities, and through the promotion of infiltration. Outlets often have high velocity, high volume flows, and require strong materials that will withstand the forces of stormwater. Storm drain outlet control measures also offer a last line of protection against sediment entering environmentally sensitive areas.

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All stormwater outlets that may discharge sediment-laden stormwater flow from the construction site must be protected using the control practices depicted on the approved plan set and in accordance with the *RI SESC Handbook*.

Will temporary or permanent point source discharges be generated at the site as the result of construction of sediment traps or basins, diversions, and conveyance channels?

Yes       No

**2.7      *Establish Temporary Controls for the Protection of Post-Construction Stormwater Treatment Practices***

Temporary measures shall be installed to protect permanent or long-term stormwater control and treatment measures as they are installed and throughout the construction phase of the project so that they will function properly when they are brought online.

Will long-term stormwater treatment practices be installed at the site?

Yes       No

The contractor shall flag the perimeter of proposed stormwater infiltration practices for construction vehicles and equipment to avoid to minimize compaction above the proposed stormwater facilities. If areas are compacted, soils must be amended such that they will comply the design infiltration rates.

**2.8      *Divert or Manage Run-on from Up-gradient Areas***

Is stormwater from off-site areas anticipated to flow onto the project area or onto areas where soils will be disturbed?

Yes       No

**2.9      *Retain Sediment Onsite through Structural and Non-Structural Practices***

**SEDIMENT BARRIERS** must be installed along the perimeter areas of the site that will receive stormwater from disturbed areas. This also may include the use of sediment barriers along the contour of disturbed slopes to maintain sheet flow and minimize rill and gully erosion during construction. Installation and maintenance of sediment barriers must be completed in accordance with the maintenance requirements specified by the product manufacturer or the *RI SESC Handbook*.

Will sediment barriers be utilized at the toe of slopes and other downgradient areas subject to stormwater impacts and erosion during construction?

Yes       No

Silt fence or Filtrexx filter sock, or equal, shall be installed along the downgradient construction site perimeter areas, where shown on the Soil Erosion and Sediment Control Plan which is enclosed in the Site Plan Set. Additional sediment barriers may be required on an as needed basis.

Will sediment barriers be utilized along the contour of slopes to maintain sheet flow and minimize rill and gully erosion during construction?

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Yes       No

**INLET PROTECTION** will be utilized to prevent soil and debris from entering storm drain inlets. These measures are usually temporary and are implemented before a site is disturbed. ALL stormwater inlets &/or catch basins that are operational during construction and have the potential to receive sediment-laden stormwater flow from the construction site must be protected using control measures outlined in the *RI SESC Handbook*.

For more information on inlet protection refer to the *RI SESC Handbook*, Inlet Protection control measure.

**Maintenance**

The operator must clean, or remove and replace the inlet protection measures as sediment accumulates, the filter becomes clogged, and/or as performance is compromised. Accumulated sediment adjacent to the inlet protection measures should be removed by the end of the same work day in which it is found or by the end of the following work day if removal by the same work day is not feasible.

Do inlets exist adjacent to or within the project area that require temporary protection?

Yes       No

There is one existing catch basins on Harkney Hill Road that is in the site vicinity, but is outside the perimeter of the site and/or perimeter erosion controls. No inlet protection is needed at this time. However, if deemed necessary by the town, RIDEM or the engineer that inlet protection/silt sacks are needed for existing catch basins, the contractor shall install them upon request.

**CONSTRUCTION ENTRANCES** will be used in conjunction with the stabilization of construction roads to reduce the amount of sediment tracking off the project. This project has avoided placing construction entrances on poorly drained soils where possible. Where poorly drained soils could not be eliminated, the detail includes subsurface drainage.

Any construction site access point must employ the control measures on the approved SESC site plans and in accordance with the *RI SESC Handbook*. Construction entrances shall be used in conjunction with the stabilization of construction roads to reduce the amount of mud picked up by construction vehicles. All construction access roads shall be constructed prior to any roadway accepting construction traffic.

The site owner and operator must:

1. Restrict vehicle use to properly designated exit points.
2. Use properly designed and constructed construction entrances at all points that exit onto paved roads so that sediment removal occurs prior to vehicle exit.
3. When and where necessary, use additional controls to remove sediment from vehicle tires prior to exit (i.e. wheel washing racks, rumble strips, and rattle plates).
4. Where sediment has been tracked out from the construction site onto the surface of off-site streets, other paved areas, and sidewalks, the deposited sediment must be removed by the end of the same work day in which the track out occurs. Track-out must be removed by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal.

Will construction entrances be utilized at the proposed construction site?

Yes       No

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A construction entrance is required for access to the site off and is shown off Harkney Hill Road for both phase 1 and phase 2.

**STOCKPILE CONTAINMENT** will be used onsite to minimize or eliminate the discharge of soil, topsoil, base material or rubble, from entering drainage systems or surface waters. All stockpiles must be located within the limit of disturbance, protected from run-on with the use of temporary sediment barriers and provided with cover or stabilization to avoid contact with precipitation and wind where and when practical.

Stock pile management consists of procedures and practices designed to minimize or eliminate the discharge of stockpiled material (soil, topsoil, base material, rubble) from entering drainage systems or surface waters.

For any stockpiles or land clearing debris composed, in whole or in part, of sediment or soil, you must comply with the following requirements:

1. Locate piles within the designated limits of disturbance.
2. Protect from contact with stormwater (including run-on) using a temporary perimeter sediment barrier.
3. Where practicable, provide cover or appropriate temporary vegetative or structural stabilization to avoid direct contact with precipitation or to minimize sediment discharge.
4. NEVER hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance, storm drain inlet, or surface water.
5. To the maximum extent practicable, contain and securely protect from wind.

**CONSTRUCTED SEDIMENT STRUCTURES**

**TEMPORARY SEDIMENT TRAPS** will be utilized onsite. There are disturbed drainage areas greater than one acre that will be exposed for longer than six months.

Are temporary sediment traps required at the site?

Yes       No

Refer to the Soil Erosion and Sediment Control Plan for the proposed sediment trap location, and Miscellaneous Details Plan No. 7 in the site plan set for the construction details and specifications.

**TEMPORARY SEDIMENT BASIN(S)** will not be utilized onsite. Every effort must be made to prevent erosion and control it near the source.

Are temporary sediment basins required at the site?

Yes       No

**2.10 Properly Design Constructed Stormwater Conveyance Channels**

Are temporary stormwater conveyance practices required in order to properly manage runoff within the proposed construction project?

Yes       No

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**2.11 Erosion, Runoff, and Sediment Control Measure List**

It is expected that this table and corresponding Inspection Reports will be amended as needed throughout the construction project as control measures are added or modified.

<b>Location/Station</b>	<b>Control Measure Description/Reference</b>	<b>Maintenance Requirement</b>
Project Limit of Work	Filtrexx Filter Sock, or equal	Refer to RISESCH - Section Six: Sediment Control Measures – Silt Fence or Straw Wattles, Compost Tubes, and Fiber Rolls
At all Disturbed Areas	Seed	Refer to RISESCH - Section Four: Erosion Control Measures – Seeding for Temporary Vegetative Cover and Seeding for Permanent Vegetative Cover
Infiltration System	Roped off to Control Compaction	Refer to RISESCH – Section Two: Erosion, Runoff, and Sediment Control – 2.1 Minimize Disturbed Area and Protect Natural Features and Soil

### SECTION 3: CONSTRUCTION ACTIVITY POLLUTION PREVENTION

The purpose of construction activity pollution prevention is to prevent day to day construction activities from causing pollution.

This section describes the key pollution prevention measures that must be implemented to avoid and reduce the discharge of pollutants in stormwater. Example control measures include the proper management of waste, material handling and storage, and equipment/vehicle fueling/washing/maintenance operations.

Where applicable, include *RI SESC Handbook* or the *RI Department of Transportation Standard Specifications for Road and Bridge Construction* (as amended) specifications.

#### **3.1 Existing Data of Known Discharges from Site**

Are there known discharges from the project area?

Yes       No

Describe how this determination was made:

- Existing Conditions Survey and Site Observations

Is there existing data on the quality of the known discharges?

Yes       No

#### **3.2 Prohibited Discharges**

The following discharges are prohibited at the construction site:

- Contaminated groundwater, unless specifically authorized by the DEM. These types of discharges may only be authorized under a separate DEM RIPDES permit.
- Wastewater from washout of concrete, unless the discharge is contained and managed by appropriate control measures.
- Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials.
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance. Proper storage and spill prevention practices must be utilized at all construction sites.
- Soaps or solvents used in vehicle and equipment washing.
- Toxic or hazardous substances from a spill or other release.

All types of waste generated at the site shall be disposed of in a manner consistent with State Law and/or regulations.

Will any of the above listed prohibited discharges be generated at the site?

Yes       No

#### **3.3 Proper Waste Disposal**

Building materials and other construction site wastes must be properly managed and disposed of in a manner consistent with State Law and/or regulations.

- A waste collection area shall be designated on the site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a waterbody or storm drain.

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- All waste containers shall be covered to avoid contact with wind and precipitation.
- Waste collection shall be scheduled frequently enough to prevent containers from overflowing.
- All construction site wastes shall be collected, removed, and disposed of in accordance with applicable regulatory requirements and only at authorized disposal sites.
- Equipment and containers shall be checked for leaks, corrosion, support or foundation failure, or other signs of deterioration. Those that are found to be defective shall be immediately repaired or replaced.

Is waste disposal a significant element of the proposed project?

Yes                       No

**3.4      *Spill Prevention and Control***

All chemicals and/or hazardous waste material must be stored properly and legally in covered areas, with containment systems constructed in or around the storage areas. Areas must be designated for materials delivery and storage. All areas where potential spills can occur and their accompanying drainage points must be described. The owner and operator must establish spill prevention and control measures to reduce the chance of spills, stop the source of spills, contain and clean-up spills, and dispose of materials contaminated by spills. The operator must establish and make highly visible location(s) for the storage of spill prevention and control equipment and provide training for personnel responsible for spill prevention and control on the construction site.

Are spill prevention and control measures required for this particular project?

Yes                       No

**3.5      *Control of Allowable Non-Stormwater Discharges***

Are there allowable non-Stormwater discharges present on or near the project area?

Yes                       No

Are there any known or proposed contaminated discharges, including anticipated contaminated dewatering operations, planned on or near the project area?

Yes                       No

**3.6      *Control Dewatering Practices***

Site owners and operators are prohibited from discharging groundwater or accumulated stormwater that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, unless such waters are first effectively managed by appropriate control measures.

Examples of appropriate control measures include, but are not limited to, temporary sediment basins or sediment traps, sediment socks, dewatering tanks and bags, or filtration systems (e.g. bag or sand filters) that are designed to remove sediment. Uncontaminated, non-turbid dewatering water can be discharged without being routed to a control.

At a minimum the following discharge requirements must be met for dewatering activities:

1. Do not discharge visible floating solids or foam.

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2. To the extent feasible, utilize vegetated, upland areas of the site to infiltrate dewatering water before discharge. In no case will surface waters be considered part of the treatment area.
3. At all points where dewatering water is discharged, utilize velocity dissipation devices.
4. With filter backwash water, either haul it away for disposal or return it to the beginning of the treatment process.
5. Replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications.
6. Dewatering practices must involve the implementation of appropriate control measures as applicable (i.e. containment areas for dewatering earth materials, portable sediment tanks and bags, pumping settling basins, and pump intake protection.)

Is it at all likely that the site operator will need to implement construction dewatering in order to complete the proposed project?

Yes       No

18" Filtrexx Filter Ring shall be utilized for dewatering operations. Install Filter Ring on flat grade. Maximum depth of water is 50% of filter ring height; filter rings may be stacked in a pyramidal configuration for added height. Refer to the Soil Erosion and Sediment Control Plan Sheets in the Site Plan Set for details.

### **3.7      *Establish Proper Building Material Staging Areas***

All construction materials that have the potential to contaminate stormwater must be stored properly and legally in covered areas, with containment systems constructed in or around the storage areas. Areas must be designated for materials delivery and storage. Designated areas shall be approved by the site owner/engineer. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in the discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use).

### **3.8      *Minimize Dust***

Dust control procedures and practices shall be used to suppress dust on a construction site during the construction process, as applicable. Precipitation, temperature, humidity, wind velocity and direction will determine amount and frequency of applications. However, the best method of controlling dust is to prevent dust production. This can best be accomplished by limiting the amount of bare soil exposed at one time. Dust Control measures outlined in the *RI SESC Handbook* shall be followed. Other dust control methods include watering, chemical application, surface roughening, wind barriers, walls, and covers.

### **3.9      *Designate Washout Areas***

At no time shall any material (concrete, paint, chemicals) be washed into storm drains, open ditches, streets, streams, wetlands, or any environmentally sensitive area. The site operator must ensure that construction waste is properly disposed of, to avoid exposure to precipitation, at the end of each working day.

Will washout areas be required for the proposed project?

Yes       No

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Concrete washout areas will be required. The washout area shall be located within the perimeter erosion controls. The washout area shall be lined with an impervious pvc membrane and surrounded by silt fence or approved equal.

**3.10 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices**

Vehicle fueling shall not take place within regulated wetlands or buffer zone areas, or within 50-feet of the storm drain system. Designated areas shall be depicted on the SESC Site Plans, or shall be approved by the site owner.

Vehicle maintenance and washing shall occur off-site, or in designated areas depicted on the SESC Site Plans or approved of by the site owner. Maintenance or washing areas shall not be within regulated wetlands or buffer zone areas, or within 50-feet of the storm drain system. Maintenance areas shall be clearly designated, and barriers shall be used around the perimeter of the maintenance area to prevent stormwater contamination.

Construction vehicles shall be inspected frequently for leaks. Repairs shall take place immediately. Disposal of all used oil, antifreeze, solvents and other automotive-related chemicals shall be according to applicable regulations; at no time shall any material be washed down the storm drain or in to any environmentally sensitive area.

**3.11 Chemical Treatment for Erosion and Sediment Control**

Chemical stabilizers, polymers, and flocculants are readily available on the market and can be easily applied to construction sites for the purposes of enhancing the control of erosion, runoff, and sedimentation. The following guidelines should be adhered to for construction sites that plan to use treatment chemicals as part of their overall erosion, runoff, and sedimentation control strategy.

The U.S. Environmental Protection Agency has conducted research into the relative toxicity of chemicals commonly used for the treatment of construction stormwater discharges. The research conducted by the EPA focused on different formulations of chitosan, a cationic compound, and both cationic and anionic polyacrylamide (PAM). In summary, the studies found significant toxicity resulting from the use of chitosan and cationic PAM in laboratory conditions, and significantly less toxicity associated with using anionic PAM. EPA's research has led to the conclusion that the use of treatment chemicals for erosion, runoff, and sedimentation control requires proper operator training and appropriate usage to avoid risk to aquatic species. In the case of cationic treatment chemicals additional safeguards may be necessary.

**Application/Installation Minimum Requirements**

If a site operator plans to use polymers, flocculants, or other treatment chemicals during construction the SESC plan must address the following:

1. Treatment chemicals shall not be applied directly to or within 100 feet of any surface water body, wetland, or storm drain inlet.
2. Use conventional erosion, runoff, and sedimentation controls prior to and after the application of treatment chemicals. Use conventional erosion, runoff, and sedimentation controls prior to chemical addition to ensure effective treatment. Chemicals may only be applied where treated stormwater is directed to a sediment control (e.g. temporary sediment basin, temporary sediment trap or sediment barrier) prior to discharge.
3. Sites shall be stabilized as soon as possible using conventional measures to minimize the need to use chemical treatment.
4. Select appropriate treatment chemicals. Chemicals must be selected that are appropriately suited to the types of soils likely to be exposed during construction and to the expected turbidity, pH, and flow rate of stormwater flowing into the chemical treatment system or treatment area. **Soil**

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**testing is essential. Using the wrong form of chemical treatment will result in some form of performance failure and unnecessary environmental risk.**

5. Minimize discharge risk from stored chemicals. Store all treatment chemicals in leak-proof containers that are kept under storm-resistant cover and surrounded by secondary containment structures (e.g., spill berms, decks, spill containment pallets), or provide equivalent measures, designed and maintained to minimize the potential discharge of treatment chemicals in stormwater or by any other means (e.g., storing chemicals in covered areas or having a spill kit available on site).
  
6. Use chemicals in accordance with good engineering practices and specifications of the chemical provider/supplier. You must also use treatment chemicals and chemical treatment systems in accordance with good engineering practices, and with dosing specifications and sediment removal design specifications provided by the supplier of the applicable chemicals, or document specific departures from these practices or specifications and how they reflect good engineering practice.

Will chemical stabilizers, polymers, flocculants or other treatment chemicals be utilized on the proposed construction project?

Yes                       No

**3.12 Construction Activity Pollution Prevention Control Measure List**

**It is expected that this table will be amended as needed throughout the construction project.**

Phase No. #		
Location/Station	Control Measure Description/Reference	Maintenance Requirement
Designated Areas	Vehicle Fueling, Maintenance and Washing	Refer to RISESCH - Section Four: Erosion Control Measures – Vehicle Fueling, Maintenance and Washing
Within Perimeter Erosion Controls	Concrete Washouts	Refer to RISESCH - Section Three: Pollution Prevention and Good Housekeeping –Concrete Washouts
Project Wide	Street Sweeping	Refer to RISESCH - Section Three: Pollution Prevention and Good Housekeeping – Street Sweeping
Project Wide	Dust Control	Refer to RISESCH - Section Three: Pollution Prevention and Good Housekeeping – Dust Control
Dewatering, if Required	Filter Ring or Bag	Refer to RISESCH – Section Six: Sediment Control Measures – Portable Sediment Tanks and Bags

## **SECTION 4: CONTROL MEASURE INSTALLATION, INSPECTION, and MAINTENANCE**

### **4.1 Installation**

Complete the installation of temporary erosion, runoff, sediment, and pollution prevention control measures by the time each phase of earth-disturbance has begun. All stormwater control measures must be installed in accordance with good judgment, including applicable design and manufacturer specifications. Installation techniques and maintenance requirements may be found in manufacturer specifications and/or the *RI SESC Handbook*.

### **4.2 Monitoring Weather Conditions**

Anticipating Weather Events - Care will be taken to the best of the operator's ability to avoid disturbing large areas prior to anticipated precipitation events. Weather forecasts must be routinely checked, and in the case of an expected precipitation event of over 0.25-inches over a 24-hour period, it is highly recommended that all control measures should be evaluated and maintained as necessary, prior to the weather event. In the case of an extreme weather forecast (greater than one-inch of rain over a 24-hour period), additional erosion/sediment controls may need to be installed.

Storm Event Monitoring For Inspections - At a minimum, storm events must be monitored and tracked in order to determine when post-storm event inspections must be conducted. Inspections must be conducted and documented at least once every seven (7) calendar days and within twenty-four (24) hours after any storm event, which generates at least 0.25 inches of rainfall per twenty-four (24) hour period and/or after a significant amount of runoff or snowmelt.

The weather gauge station and website that will be utilized to monitor weather conditions on the construction site is as follows:

<https://www.wunderground.com/weather/us/ri/coventry/KRICOVEN117>

### **4.3 Inspections**

Minimum Frequency - Each of the following areas must be inspected by or under the supervision of the owner and operator at least once every seven (7) calendar days and within twenty-four (24) hours after any storm event, which generates at least 0.25 inches of rainfall per twenty-four (24) hour period and/or after a significant amount of runoff or snowmelt:

- a. All areas that have been cleared, graded, or excavated and where permanent stabilization has not been achieved;
- b. All stormwater erosion, runoff, and sediment control measures (including pollution prevention control measures) installed at the site;
- c. Construction material, unstabilized soil stockpiles, waste, borrow, or equipment storage, and maintenance areas that are covered by this permit and are exposed to precipitation;
- d. All areas where stormwater typically flows within the site, including temporary drainage ways designed to divert, convey, and/or treat stormwater;
- e. All points of discharge from the site;
- f. All locations where temporary soil stabilization measures have been implemented;

Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

- g. All locations where vehicles enter or exit the site.

Reductions in Inspection Frequency - If earth disturbing activities are suspended due to frozen conditions, inspections may be reduced to a frequency of once per month. The owner and operator must document the beginning and ending dates of these periods in an inspection report.

Qualified Personnel – The site owner and operator are responsible for designating personnel to conduct inspections and for ensuring that the personnel who are responsible for conducting the inspections are “qualified” to do so. A “qualified person” is a person knowledgeable in the principles and practices of erosion, runoff, sediment, and pollution prevention controls, who possesses the skills to assess conditions at the construction site that could impact stormwater quality, and the skills to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of the permit.

Recordkeeping Requirements - All records of inspections, including records of maintenance and corrective actions must be maintained with the SESC Plan. Inspection records must include the date and time of the inspection, and the inspector’s name, signature, and contact information.

General Notes

- A separate inspection report will be prepared for each inspection.
- The Inspection Reference Number shall be a combination of the RIPDES Construction General Permit No - consecutively numbered inspections. ex/ Inspection reference number for the 4<sup>th</sup> inspection of a project would be: RIR10####-4
- Each report will be signed and dated by the Inspector and must be kept onsite.
- Each report will be signed and dated by the Site Operator.
- The corrective action log contained in each inspection report must be completed, signed, and dated by the site operator once all necessary repairs have been completed.
- It is the responsibility of the site operator to maintain a copy of the SESC Plan, copies of all completed inspection reports, and amendments as part of the SESC Plan documentation at the site during construction.

**Failure to make and provide documentation of inspections and corrective actions under this part constitutes a violation of your permit and enforcement actions under 46-12 of R.I. General Laws may result.**

**4.4 Maintenance**

Maintenance procedures for erosion and sedimentation controls and stormwater management structures/facilities are described on the SESC Site Plans and in the *RI SESC Handbook*.

Site owners and operators must ensure that all erosion, runoff, sediment, and pollution prevention controls remain in effective operating condition and are protected from activities that would reduce their effectiveness. Erosion, runoff, sedimentation, and pollution prevention control measures must be maintained throughout the course of the project.

**Note: It is recommended that the site operator designates a full-time, on-site contact person responsible for working with the site owner to resolve SESC Plan-related issues.**

#### 4.5 Corrective Actions

If, in the opinion of the designated site inspector, corrective action is required, the inspector shall note it on the inspection report and shall inform the site operator that corrective action is necessary. The site operator must make all necessary repairs whenever maintenance of any of the control measures instituted at the site is required.

In accordance with the *RI SESC Handbook*, the site operator shall initiate work to fix the problem immediately after its discovery, and complete such work by the close of the next work day, if the problem does not require significant repair or replacement, or if the problem can be corrected through routine maintenance.

When installation of a new control or a significant repair is needed, site owners and operators must ensure that the new or modified control measure is installed and made operational by no later than seven (7) calendar days from the time of discovery where feasible. If it is infeasible to complete the installation or repair within seven (7) calendar days, the reasons why it is infeasible must be documented in the SESC Plan along with the schedule for installing the control measures and making it operational as soon as practicable after the 7-day timeframe. Such documentation of these maintenance procedures and timeframes should be described in the inspection report in which the issue was first documented. If these actions result in changes to any of the control measures outlined in the SESC Plan, site owners and operators must also modify the SESC Plan accordingly within seven (7) calendar days of completing this work.

## SECTION 5: AMENDMENTS

This SESC Plan is intended to be a working document. It is expected that amendments will be required throughout the active construction phase of the project. **Even if practices are installed on a site according to the approved plan, the site is only in compliance when erosion, runoff, and sedimentation are effectively controlled throughout the entire site for the entire duration of the project.**

The SESC Plan shall be amended within seven (7) days whenever there is a change in design, construction, operation, maintenance or other procedure which has a significant effect on the potential for the discharge of pollutants, or if the SESC Plan proves to be ineffective in achieving its objectives (i.e. the selected control measures are not effective in controlling erosion or sedimentation).

In addition, the SESC Plan shall be amended to identify any new operator that will implement a component of the SESC Plan.

All revisions must be recorded in the Record of Amendments Log Sheet, which is contained in Attachment G of this SESC Plan, and dated red-lined drawings and/or a detailed written description must be appended to the SESC Plan. Inspection Forms must be revised to reflect all amendments. Update the Revision Date and the Version # in the footer of the Report to reflect amendments made.

All SESC Plan Amendments, except minor non-technical revisions, must be approved by the site owner and operator. Any amendments to control measures that involve the practice of engineering must be reviewed, signed, and stamped by a Professional Engineer registered in the State of RI.

The amended SESC plan must be kept on file at the site while construction is ongoing and any modifications must be documented.

Attach a copy of the Amendment Log.

## SECTION 6: RECORDKEEPING

RIPDES Construction General Permit – Parts III.D, III.G, III.J.3.b.iii, & V.O

Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

It is the site owner and site operator's responsibility to have the following documents available at the construction site and immediately available for RIDEM review upon request:

- A copy of the fully signed and dated SESC Plan, which includes:
  - A copy of the General Location Map  
INCLUDED AS ATTACHMENT A
  - A copy of all SESC Site Plans  
INCLUDED AS ATTACHMENT B
  - A copy of the RIPDES Construction General Permit  
INCLUDED AS ATTACHMENT C
  - A copy of any regulatory permits (RIDEM Freshwater Wetlands Permit, CRMC Assent, RIDEM Water Quality Certification, RIDEM Groundwater Discharge Permit, RIDEM RIPDES Construction General Permit authorization letter, etc.)  
INCLUDED AS ATTACHMENT D
  - The signed and certified NOI form or permit application form  
INCLUDED AS ATTACHMENT E
  - Completed Inspection Reports w/Completed Corrective Action Logs  
INCLUDED AS ATTACHMENT F
  - SESC Plan Amendment Log  
INCLUDED AS ATTACHMENT G

## SECTION 7: PARTY CERTIFICATIONS

### RIPDES Construction General Permit – Part V.G

All parties working at the project site are required to comply with the Soil Erosion and Sediment Control Plan (SESC Plan including SESC Site Plans) for any work that is performed on-site. The site owner, site operator, contractors and sub-contractors are encouraged to advise all employees working on this project of the requirements of the SESC Plan. A copy of the SESC Plan may be obtained by contacting the site owner or site operator.

The site owner and site operator and each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement.

***I acknowledge that I have read and understand the terms and conditions of the Soil Erosion and Sediment Control (SESC) Plan for the above designated project and agree to follow the control measures described in the SESC Plan and SESC Site Plans.***

Site Owner:

AJB Real Estate, LLC  
2 Station Street  
Coventry, RI 02816

  
\_\_\_\_\_  
signature/date

Site Operator:

To be determined

\_\_\_\_\_  
signature/date

Designated Site Inspector:

To be determined

\_\_\_\_\_  
signature/date

SubContractor SESC Plan Contact:

To be determined

\_\_\_\_\_  
signature/date

## **LIST OF ATTACHMENTS**

**Attachment A - General Location Map**

**Attachment B - SESC Site Plans**

**Attachment C - Copy of RIPDES Construction General Permit and  
Authorization to Discharge**

**Attachment D - Copy of Other Regulatory Permits**

**Attachment E - Copy of RIPDES NOI**

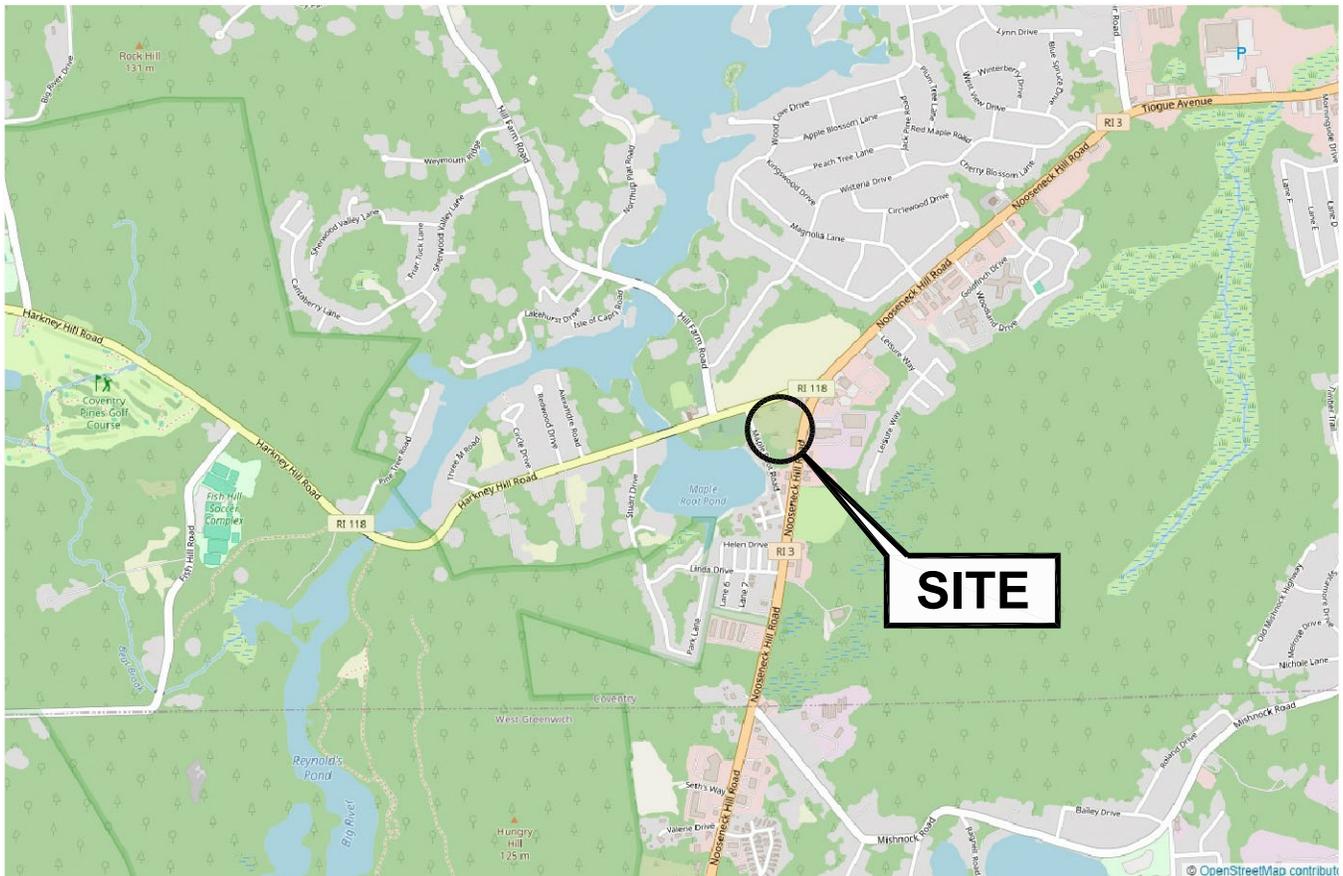
**Attachment F - Inspection Reports w/ Corrective Action Log**

**Attachment G - SESC Plan Amendment Log**



Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment A - General Location Map**



- Civil
- Transportation
- Environmental
- Site Planning
- Surveying
- Permitting
- Landscape Architecture

**Crossman Engineering**

Email: [cei@crossmaneng.com](mailto:cei@crossmaneng.com)

**PROPOSED COMMERCIAL  
CONTRACTOR UNITS  
71 HARKNEY HILL ROAD,  
COVENTRY, RI**

**LOCUS MAP**

NOT TO SCALE

DATE: MARCH 2025



Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment B - SESC Site Plans**







- Civil
- Transportation
- Environmental
- Site Planning
- Surveying
- Permitting
- Landscape Architecture

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KEY PLAN

PROJECT TITLE:

**PROPOSED COMMERCIAL CONTRACTOR UNITS**

PLAT MAP 10 LOT 42  
 ZONING DISTRICT GB1  
 GENERAL BUSINESS  
 1 ACRE DISTRICT  
 71 HARKNEY HILL ROAD  
 COVENTRY, RI

PREPARED FOR:

ANDREW BARBER  
 P.O. BOX 7090  
 WARWICK, RI 02886

DRAWING TITLE:

**VICINITY MAP**

DATE: SEPTEMBER 2024  
 SCALE: 1"=300'

DWG. NAME: 2872-03-VICINITY.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TBC Comments	10/16/24
2	Preliminary Submission	02/20/25

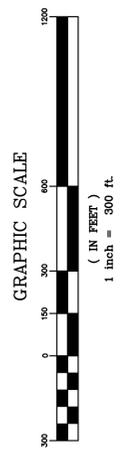
DRAWING NUMBER

**C2**

SHEET 3 OF 16



**ZONING LEGEND**  
 GB1 = GENERAL BUSINESS DISTRICT 1  
 SPD = SPECIAL PLANNING OVERLAY DISTRICT





**CROSSMAN ENGINEERING**  
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 Email: ce@crossmaneng.com

These drawings are the property of Crossman Engineering, Inc. and are to be used only for the project and site specifically identified on these drawings. They are not to be copied or used for any other purpose without the written consent of Crossman Engineering, Inc.



**KEY PLAN**

**PROJECT TITLE:**  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**  
 PLAT MAP 10 LOT 42  
 ZONING DISTRICT GB1  
 GENERAL BUSINESS  
 1 ACRE DISTRICT  
 71 HARKNEY HILL ROAD  
 COVENTRY, RI

**PREPARED FOR:**  
**ANDREW BARBER**  
 P.O. BOX 7090  
 WARWICK, RI 02886

**DRAWING TITLE:**  
**AERIAL MAP**

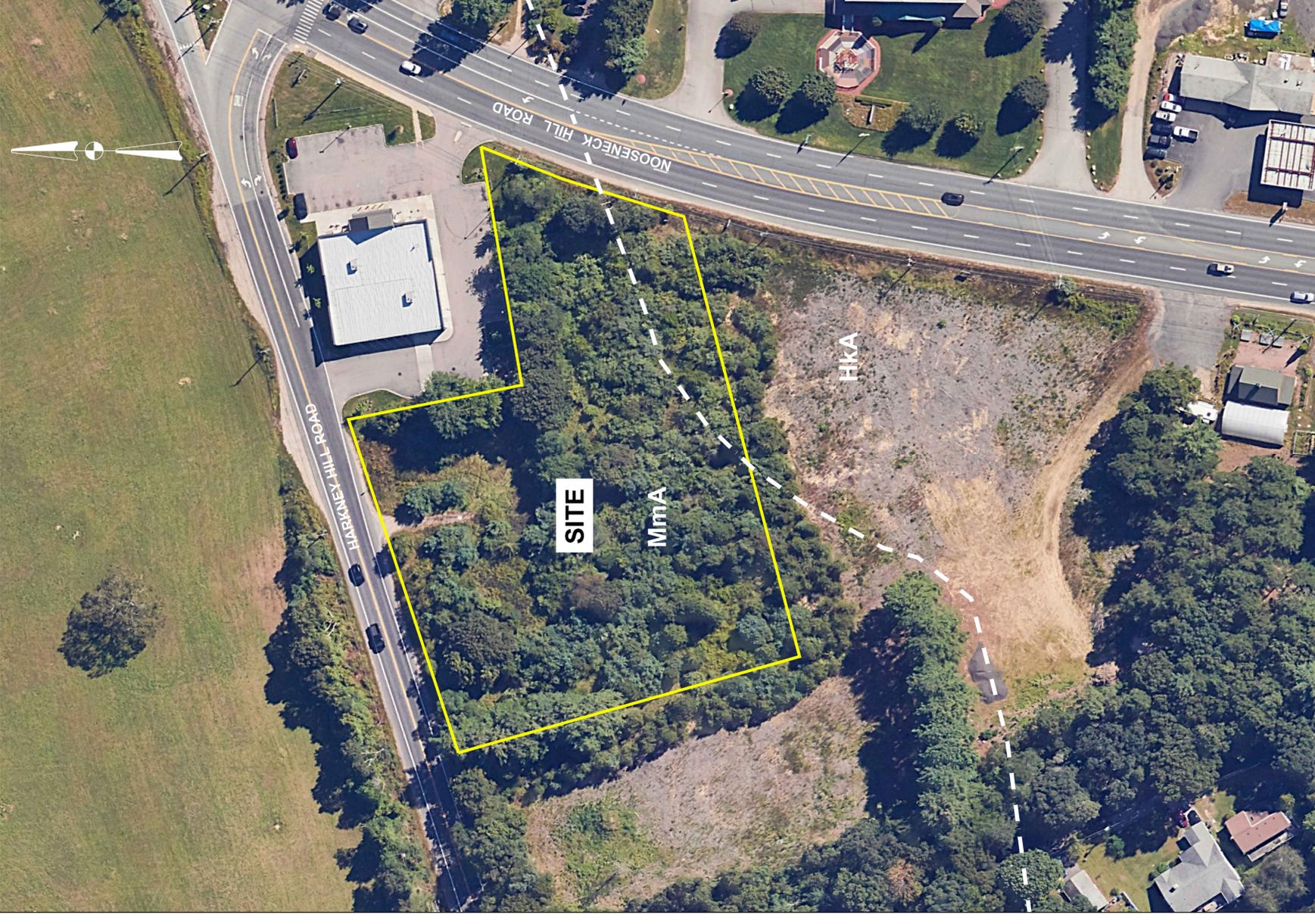
REVISIONS	NUMBER	REMARKS	DATE
1	TBC Comments	10/16/24	
2	Preliminary Submission	02/20/25	

DATE:	SEPTEMBER 2024	SCALE:	1"=50'
DWG. NAME:	2872-04-AERIAL.dwg		

**DRAWING NUMBER**  
**C3**  
 SHEET: 4 OF 16



**POST DEVELOPMENT**

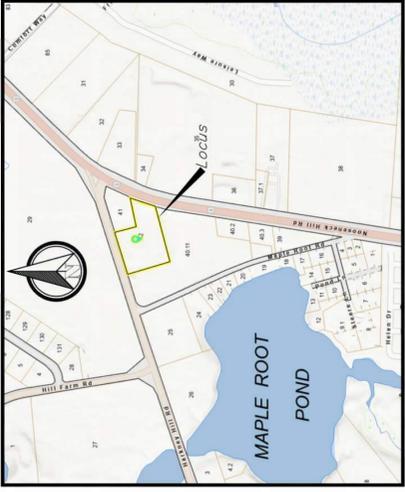


**EXISTING CONDITIONS**

**SOILS**  
 MmA: Merrimac Sandy Loam, 0 to 3% Slopes  
 HkA: Hinckley Gravelly Sandy Loam, 0 to 3% Slopes

**GRAPHIC SCALE**  
 ( IN FEET )  
 1 inch = 50 ft.

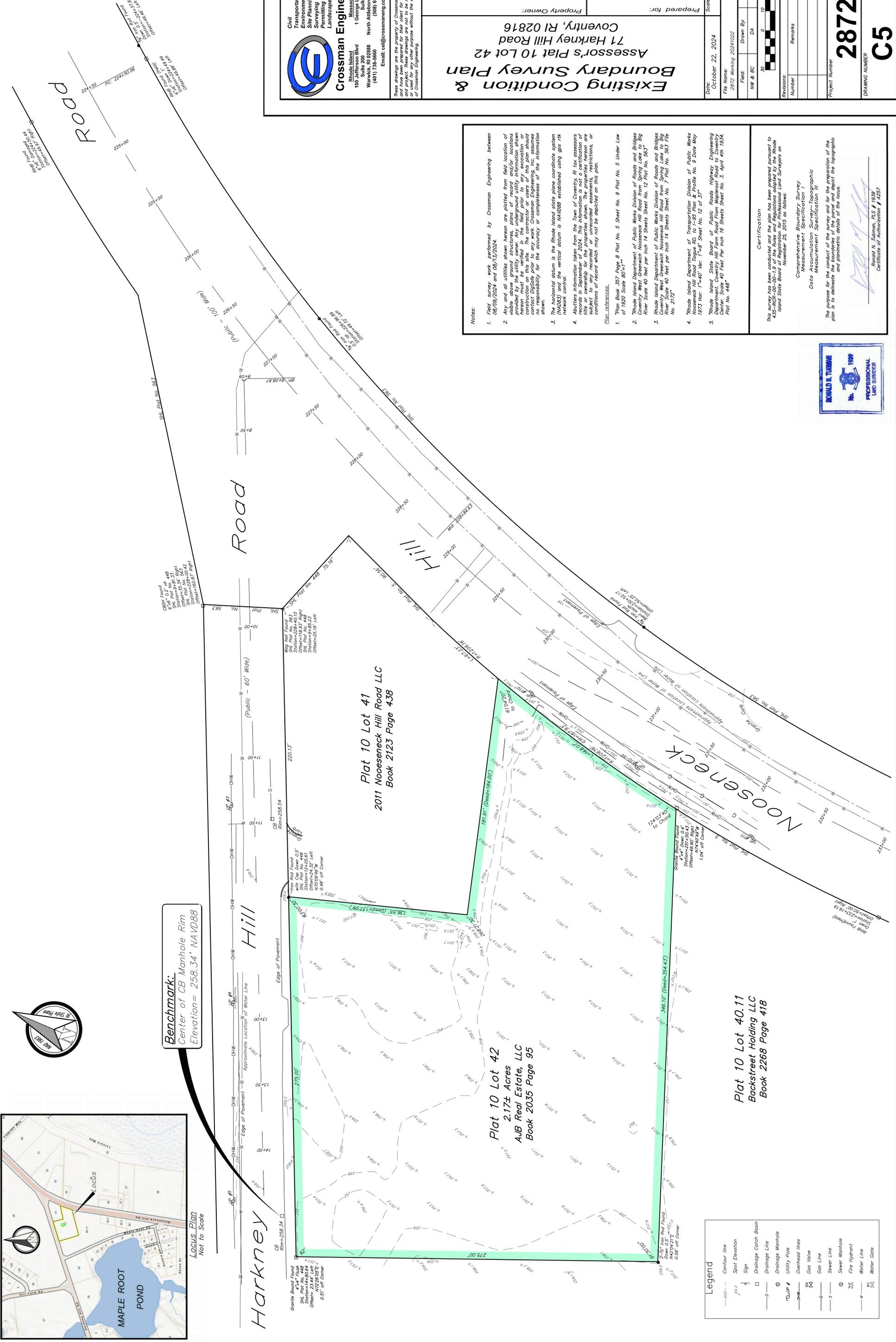




Locus Plan  
Not to Scale



**Benchmark:**  
Center of CB Manhole Rim  
Elevation = 258.34 NAVD88



Plat 10 Lot 41  
2011 Nooseneck Hill Road LLC  
Book 2123 Page 438

Plat 10 Lot 42  
2.17± Acres  
AJB Real Estate, LLC  
Book 2035 Page 95

Plat 10 Lot 40.11  
Backstreet Holding LLC  
Book 2268 Page 418

Legend	
---x---	Contour line
▲	Spot Elevation
+	Sign
□	Drainage Catch Basin
—o—	Drainage Line
⊙	Drainage Manhole
⊕	Utility Pole
—OHW—	Overhead lines
—G—	Gas Valve
—S—	Gas Line
—S—	Sewer Line
⊙	Sewer Manhole
⊕	Fire Hydrant
—W—	Water Line
⊠	Water Gate

**Notes:**

- Field survey work performed by Crossman Engineering between 08/09/2024 and 08/17/2024.
- Any and all utilities shown herein are plotted from field location of visible above ground structures, plans of record and/or locations shown on this site. The contractor or users of this plan should verify the location of all utilities shown on this plan prior to any excavation or construction on this site. The contractor or users of this plan should contact DigSafe prior to any work. Crossman Engineering, Inc. assumes no responsibility for the accuracy or completeness of the information shown.
- The horizontal datum is the Rhode Island state plane coordinate system (NAD83) and the vertical datum is NAVD83 established using gas risk network control.
- All utility information taken from the Town of Coventry, RI tax assessors records in September of 2024. This information is not a certification of title or ownership for the properties shown. The properties herein are shown for informational purposes only. The contractor or users of this plan should verify the location of all utilities shown on this plan prior to any excavation or construction on this site.

**Plan References:**

- "Plan Book 357 Page 8 Plat No. 5 Sheet No. 9 Plat No. 5 Under Law of 1920 Scale 80'=1"
- Rhode Island Department of Public Works Division of Roads and Bridges Coventry West Greenwich Nooseneck Hill Road from Spring Lake to Big River Scale 40 feet per inch 14 Sheets Sheet No. 12 Plat No. 563"
- Rhode Island Department of Public Works Division of Roads and Bridges Coventry West Greenwich Nooseneck Hill Road from Spring Lake to Big River Scale 40 feet per inch 14 Sheets Sheet No. 7 Plat No. 563 File No. 2172
- Rhode Island Department of Transportation Division of Public Works 1923 Map 1-40' Hor. 1-8' Vert. Scale No. 12 of 37
- Rhode Island State Board of Public Roads Highway Engineering Department Coventry Center State 40 Feet Per Inch 16 Sheets Sheet No. 3 April 4th 1934. Plat No. 448"

**Certification**

This survey has been conducted and the plan has been prepared pursuant to the provisions of the General Statutes of the State of Rhode Island and Providence Plantings, Chapter 52-2-1, as amended, and the rules and regulations of the Rhode Island State Board of Registration for Professional Land Surveyors on November 25, 2016 as follows:

Comprehensive Boundary Survey  
Measurement Specification I  
Data Accumulation Survey—Topographic  
Measurement Specification III

The purpose for the conduct of the survey and for the preparation of the plan is to delineate the boundaries of the parcel and depict the topographic and planimetric details of the locus.

\_\_\_\_\_  
Ronald N. Tubman, PLS # 1939  
Certificate of Authorization # 7457



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Civil  
Transportation  
Environmental  
Site Planning  
Site Investigation  
Permitting  
Landscape Architecture

**Existing Condition & Boundary Survey Plan**  
Assessor's Plat 10 Lot 42  
71 Harkney Hill Road  
Coventry, RI 02816

Property Owner:  
**AJB Real Estate, LLC**  
2 Station Street  
Coventry, RI 02816

Prepared for:  
**Andrew Barber**  
P.O. Box 7090  
Warwick, RI 02886

Date: October 22, 2024  
Scale: 1" = 30'

File Name: 2872\_Existing\_20241022  
Drawn By: DA  
Checked By: RT  
NW & BC

North Arrow  
Graphic Scale: 0 10 20 30

Revisions:  
Number: \_\_\_\_\_  
Remarks: \_\_\_\_\_  
Date: \_\_\_\_\_

Project Number: **2872**

DRAWING NUMBER: **C5**

Sheet: **6** of **16**

**REQUESTED WAIVERS**

THE BELOW LIST INCLUDES VARIANCE/WAIVERS RECEIVED BY THE PLANNING BOARD DURING THE MASTER PLAN REVIEW.

- SECTION 255-1210, C (1):  
A LOADING SPACE FOR USE UP TO 5,000 S.F.  
PHASE 1 PROVIDED=1 LOADING SPACE
- SECTION 255-1210, C (2):  
ADDITIONAL LOADING SPACE FOR ADDITIONAL 10,000 S.F. (OR FRACTION THEREOF)  
PHASE 1 PROVIDED=1 ADDITIONAL LOADING SPACE
- SECTION 255-1220, C TABLE 12-3: PARKING USE (ALL OTHER TYPES OF BUSINESS)  
PHASE 1 REQUIRED= 30 SPACES  
PHASE 1 PROVIDED= 16 SPACES
- SECTION 255-1230, D TABLE 12-3: BUSINESS PARKING USE-ALL OTHER TYPES OF BUSINESS  
PHASE 2 REQUIRED= 40 SPACES  
PHASE 2 PROVIDED= 8 SPACES
- SECTION 255-1230, D TABLE 12-8 (PRINCIPLE ARTERIAL ROAD-HARKNEY HILL ROAD)  
PHASE 1 REQUIRED (DRIVEWAY TO DRIVEWAY)=150'  
PHASE 1 PROVIDED=112'
- SECTION 255-1230, D TABLE 12-8 (PRINCIPLE ARTERIAL ROAD-ROUTE 3)  
PHASE 1 REQUIRED (DRIVEWAY TO DRIVEWAY)=150'  
PHASE 1 PROVIDED=66'
- SECTION 255-1730, TABLE 17-1 (MINIMUM LANDSCAPE BUFFERS)  
REQUIRED (TO COMMERCIAL DOLLAR GENERAL)=40'  
REQUIRED (TO INDUSTRIAL PRO LANDSCAPE)=30'  
PROVIDED (BOTH COMMERCIAL & INDUSTRIAL)=10'
- SECTION 255-530 (SMD), E(2), F(1): TRADITIONAL BUILDING MATERIALS REQUIRED=SHINGLES WOOD, CLAPBOARD, STUCCO, BRICK OR STONE  
PROVIDED=METAL SIDING WITH OVERHEAD DOORS (BUILDING IS BLUE IN COLOR)
- SECTION 255-530 (SMD), F(1): EXTERIOR MATERIALS REQUIRED=SHINGLES WOOD, CLAPBOARD, STUCCO, BRICK OR STONE  
PROVIDED=METAL SIDING WITH OVERHEAD DOORS (BUILDING IS BLUE IN COLOR)

**ZONING TABLE**

PLAT 10 LOT 42: GB1 - GENERAL BUSINESS DISTRICT

PHASE 1&2 EQUIPMENT GARAGE COMMERCIAL STORAGE  
USE CODE E-2(07) GENERAL COMMERCIAL OFFICE

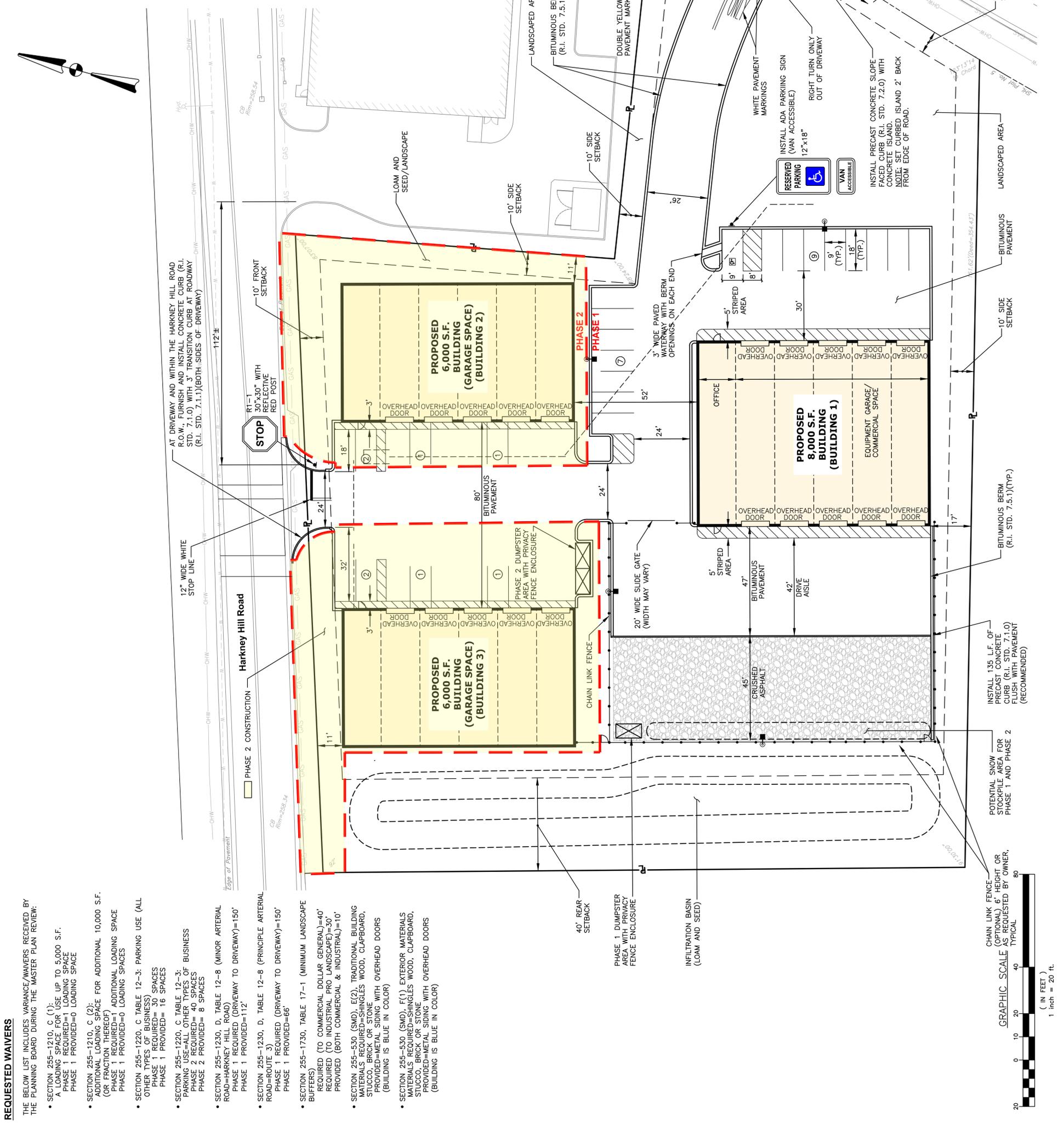
	Required	Provided
Minimum Lot Area:	43,560 S.F.	2.2 Ac.
Minimum Frontage:	200'	440.78'
Minimum Front Yard:	10'	121' (PHASE 1)
Minimum Side Yard:	10'	17' (PHASE 1)
Minimum Rear Yard:	40'	11' (PHASE 2)
Maximum Building Height:	35'	35' (PHASE 1&2)
Maximum Lot Coverage:	60%	60% (PHASE 1&2)

**PARKING REQUIREMENTS**

PLAT 10 LOT 42: GB1 - GENERAL BUSINESS DISTRICT

PHASE	Required	Provided
OFFICE (500 SF ±) (3 SPACES / 250 SF)	5	5
GARAGE/STORAGE (7,500 SF) (1 SPACE / 300 SF)	25	11
TOTAL	30	16
GARAGE/STORAGE (1 SPACE / 300 SF)	40	8

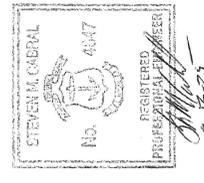
PARKING LOT AREA= 16,301 SF  
LANDSCAPE AREA= 692 (3%)



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• Permitting  
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KEY PLAN

**PROJECT TITLE:**  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**

PLAT MAP 10 LOT 42  
ZONING DISTRICT GB1  
GENERAL BUSINESS  
1 HARKNEY HILL ROAD  
COVENTRY, RI

**PREPARED FOR:**  
**ANDREW BARBER**  
P.O. BOX 7090  
WARWICK, RI 02886

**DRAWING TITLE:**  
**SITE LAYOUT PLAN**

**DATE:** SEPTEMBER 2024  
**SCALE:** 1"=20'  
**DWG. NAME:** 2872-07-SITE.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TBC Comments	10/16/24
2	Preliminary Submission	02/20/25

**DRAWING NUMBER**  
**C6**

SHEET 7 OF 16

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 North Attleboro, MA 01937  
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Services:  
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KEY PLAN

PROJECT TITLE:  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**

PLAT MAP 10 LOT 42  
 ZONING DISTRICT GB1  
 GENERAL BUSINESS  
 1 ACRE DISTRICT  
 71 HARKNEY HILL ROAD  
 COVENTRY, RI

PREPARED FOR:  
**ANDREW BARBER**  
 P.O. BOX 7090  
 WARWICK, RI 02886

DRAWING TITLE:  
**GRADING and DRAINAGE PLAN**

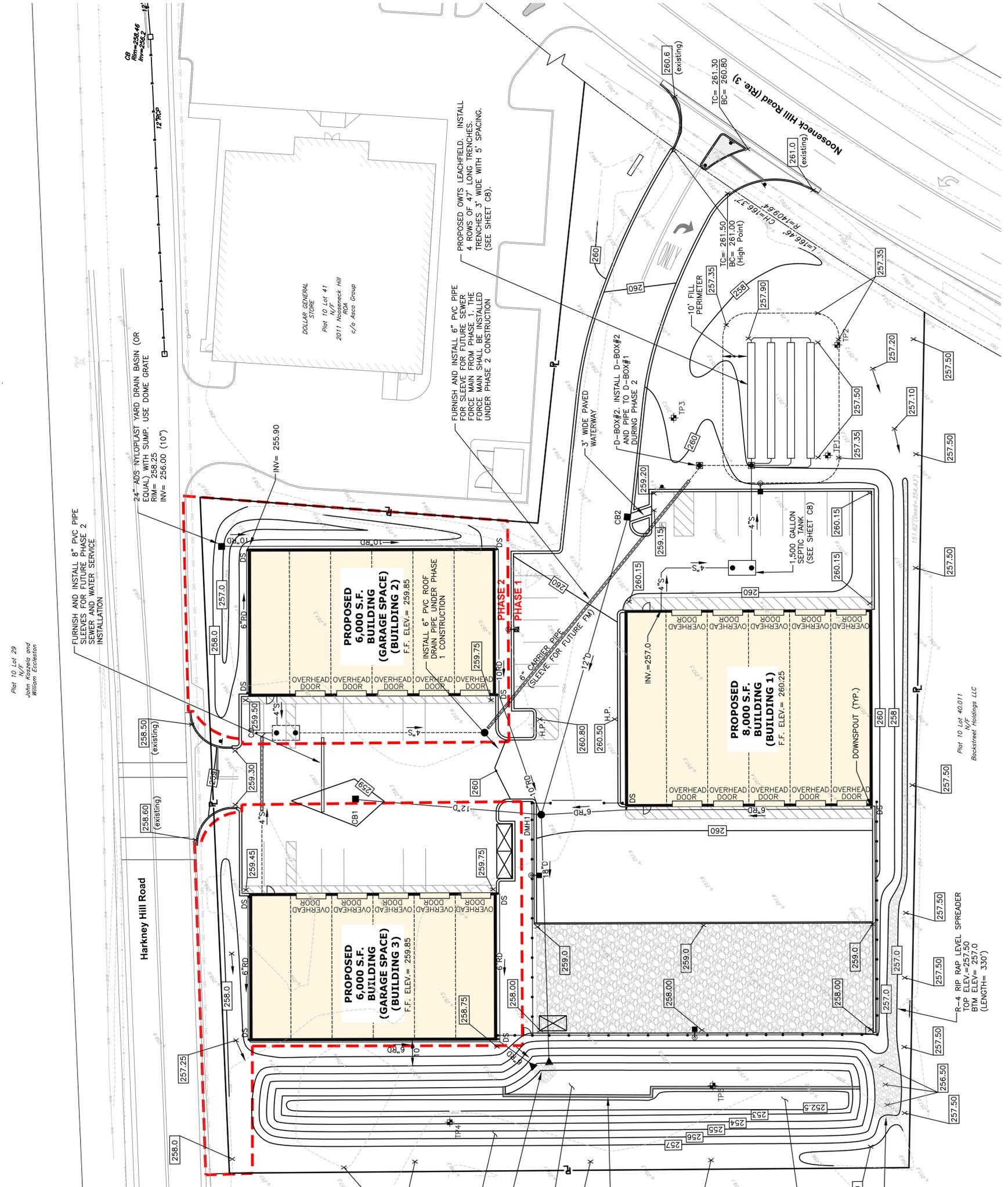
DATE: SEPTEMBER 2024  
 SCALE: 1"=20'  
 DWG. NAME: 2872-08-GRADE2.dwg

REVISIONS	NUMBER	REMARKS	DATE
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2		Preliminary Submission	02/20/25

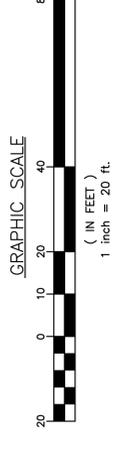
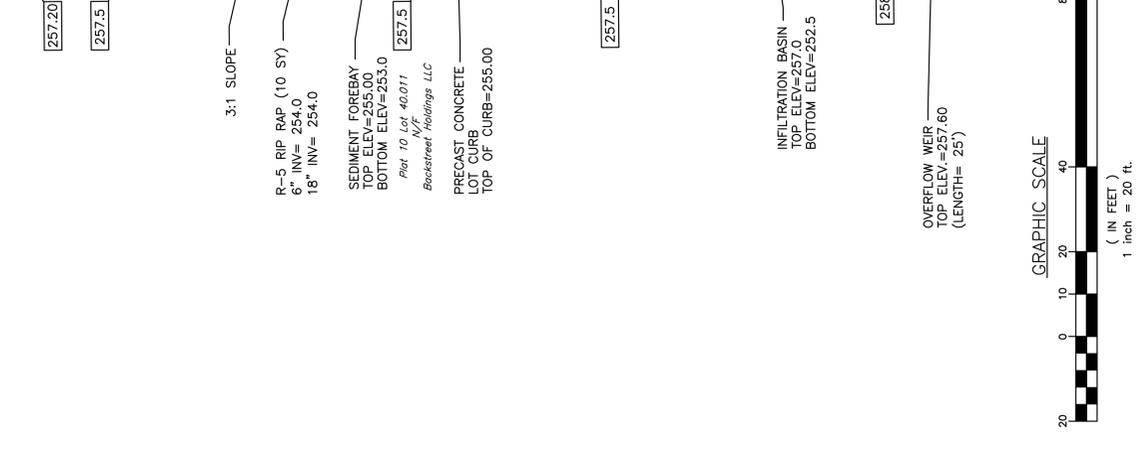
DRAWING NUMBER  
**C7**  
 SHEET 8 OF 16

**DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE NO.	RIM ELEV.	INV.(IN) ELEV.	INV.(OUT) ELEV.	FRAME & GRATE OR COVER	R.I. STD. STRUCTURE
CB1	258.75	255.75 (12")	255.75 (12")	R.I. STD. 6.3.0	R.I. STD. 4.4.0(4)
CB2	259.00	255.75 (12")	255.75 (12")	R.I. STD. 6.3.0	R.I. STD. 4.4.0(4)
DMH1	260.10	255.75 (6" & 10")	254.90 (18")	R.I. STD. 6.2.1	R.I. STD. 4.2.1(5)



- DRAINAGE NOTES**
- THE STORMWATER MANAGEMENT SYSTEM WILL BE DESIGNED TO MEET THE TOWN OF COVENTRY AND THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DESIGN STANDARDS.
  - THE STORMWATER BASIN WILL BE INSTALLED UNDER PHASE 1.
  - CONTRACTOR TO VERIFY THAT ALL STRUCTURES ARE COMPATIBLE WITH FRAME AND GRATE.
  - CONTRACTOR IS RESPONSIBLE TO PROVIDE SHOP DRAWINGS AND SPECIFICATIONS FOR ALL DRAINAGE RELATED ITEMS FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO ORDERING. CONCRETE MANUFACTURER SHALL REVIEW RIM TO TOP OF PIPE ELEVATIONS AND PROVIDE SPECIFIC DETAILS.
  - ALL STRUCTURES SHALL BE DESIGNED FOR H-20 LOADING.
  - ALL CATCH BASINS SHALL BE PRECAST CONCRETE WATER TIGHT STRUCTURES (NO WEEP HOLES) AND SHALL HAVE A 3" SUMP.
  - CATCH BASINS SHALL BE RI STD. 4.4.0 PRECAST CONCRETE (DIAMETER AS NOTED IN TABLE) ROUND CATCH BASIN WITH RI STD. 6.3.0 SQUARE FRAME AND GRATE. MANHOLES SHALL BE RI STD. 4.2.0 PRECAST CONCRETE (DIAMETER AS NOTED IN TABLE) ROUND MANHOLES WITH RI STD. 6.2.1 HEAVY DUTY ROUND FRAME AND COVER.
  - UNLESS OTHERWISE NOTED, ALL SOLID DRAINAGE PIPE SHALL BE ADS N-12 HDPE OR APPROVED EQUAL. PIPE BEDDING SHALL BE IN CRUSHED STONE OR GRAVEL BORROW COMPACTED TO 95% DRY DENSITY (MODIFIED PROCTOR METHOD). ADS PIPE SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' REQUIREMENTS.
  - ALL ROOF DRAINS SHALL BE INSTALLED AS SHOWN.
  - THE CONTRACTOR SHALL PROVIDE AS-BUILT PLANS THAT INCLUDE DRAINAGE SYSTEM (PIPE INVERTS, CATCH BASINS, STORMWATER BASIN LOCATIONS AND GRADES, AND INVERTS).
  - THE INSTALLATION OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE ENGINEER BEFORE AND DURING THE INSTALLATION OF THE STORMWATER MANAGEMENT SYSTEM FOR INSPECTIONS.
  - ALL EXPOSED INLET AND OUTLET PIPES SHALL HAVE A TRASH RACK OR SCREEN OR APPROVED EQUAL.
  - USE 6" OR 10" DIA. PVC ROOF DRAIN PIPES AS NOTED (ADS N-12 OR EQUAL).



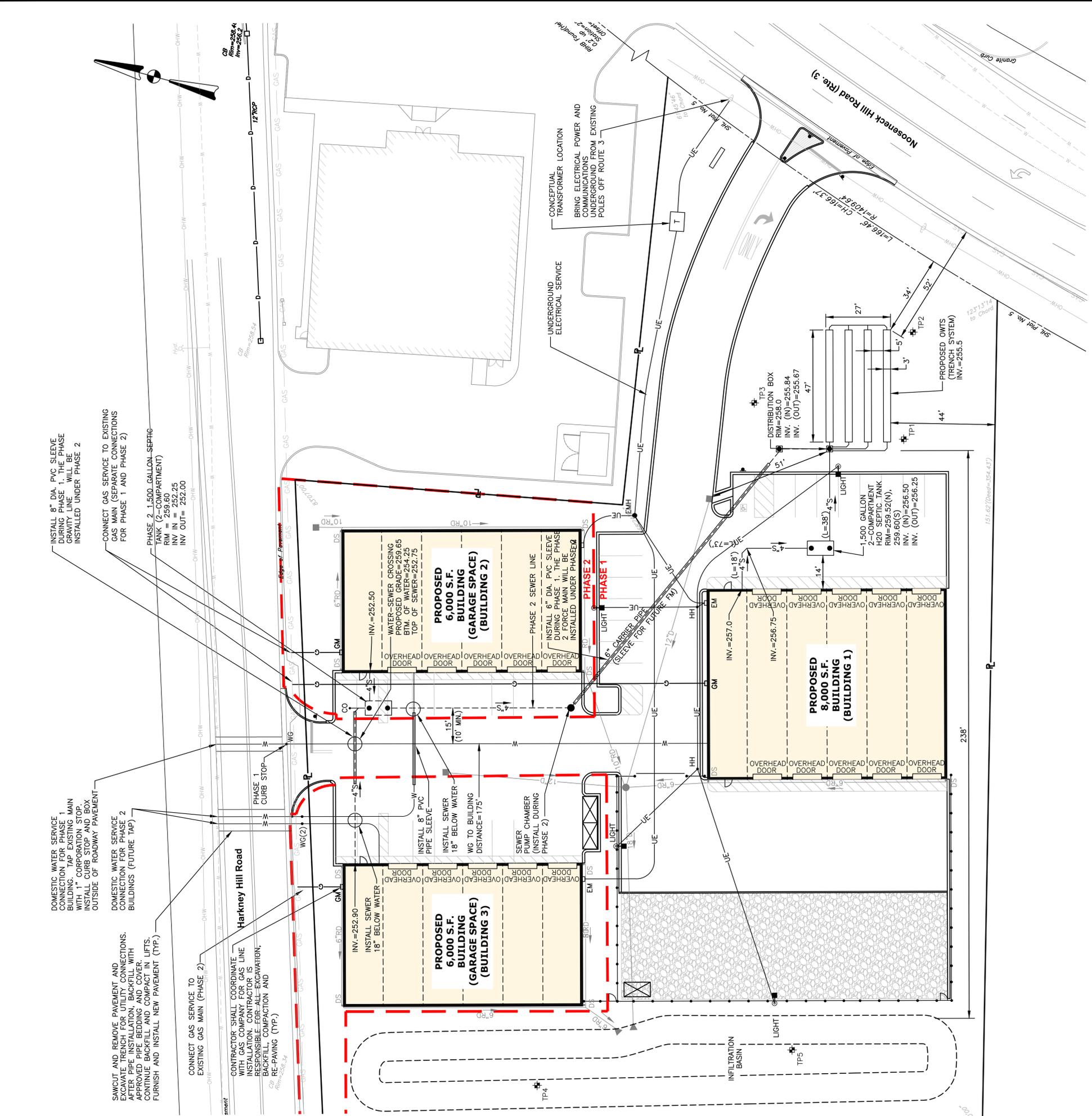
Plat 10 Lot 40.011  
 N/F  
 Backstreet Holdings LLC

**UTILITY NOTES**

- CONTRACTOR SHALL COORDINATE NEW ELECTRIC AND COMMUNICATION SERVICE WITH UTILITY COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF NEW CONDUITS, WIRES AND TRANSFORMERS AS REQUIRED TO SERVICE THIS SITE.
- CONTRACTOR IS REQUIRED TO DIG TEST PITS AT ALL PROPOSED-EXISTING UTILITY TIE-IN AREAS (WATER, GAS AND SEWER). THIS WORK SHALL BE CONDUCTED PRIOR TO INSTALLATION. COORDINATION WITH OWNER AND ENGINEER IS REQUIRED. THE EXISTING SEWER MAIN ELEVATIONS SHALL BE CONFIRMED BY CONTRACTOR PRIOR TO INSTALLATION.
- SITE LIGHTING REQUIREMENTS SHALL BE CONFIRMED PRIOR TO FINAL APPLICATION FOR BUILDING PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF SITE LIGHTING, ELECTRICAL CONDUIT AND HANDHOLE(S) FOR THIS SITE.
- ALL UTILITIES PENETRATING THE FOUNDATION WALL SHALL BE SLEEVED WITH WATER TIGHT FITTINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF UNDERGROUND CONDUIT, GAS AND COMMUNICATION SERVICE. BID PRICE SHALL INCLUDE PAVEMENT SAWCUT, REMOVAL AND DISPOSAL, EXCAVATION, PIPE/CONDUIT INSTALLATION AND BACKFILL.
- THE PROPOSED OWTS WILL BE DESIGNED TO SERVICE BOTH PHASE 1 AND PHASE 2.
- PROPOSED GAS LINE SIZE SHALL BE VERIFIED BY THE UTILITY COMPANY PRIOR TO CONSTRUCTION.
- UTILITY SERVICE LOCATIONS AT THE BUILDING AS SHOWN ON THIS PLAN MAY VARY DEPENDING ON FINAL DESIGN PLANS.
- CONTRACTOR SHALL VERIFY WATER AND GAS LINE LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- THE EXISTING WATER, GAS, AND ELECTRIC INFORMATION HAS BEEN TAKEN FROM PLANS PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- A WATER METER AND BACKFLOW PREVENTION SYSTEM SHALL BE PROVIDED WITHIN EACH BUILDING. PHASE 1 AND PHASE 2 WILL HAVE SEPARATE WATER SERVICES.
- BUILDING SEWER PIPE SHALL BE 4" DIA. PVC SDR 35.
- WATER SERVICE TO BE TYPE K COPPER.
- THE ANTICIPATED SEWER FLOWS GENERATED FROM THIS SITE IS 450 GPD. PHASE 1 (20 EMPLOYEES X 15 GPD/EMPLOYEE) = 300 GPD. PHASE 2 (10 EMPLOYEES X 15 GPD/EMPLOYEE) = 150 GPD.
- THE SOILS ON SITE ARE MAPPED AS SANDS AND GRAVEL, WITH A SEASONAL HIGH GROUNDWATER TABLE DEEPER THAN 10' BELOW GRADE.
- THE OWTS WILL BE SIZED FOR BOTH PHASE 1 AND 2 USES. INSTALLATION WILL OCCUR UNDER THE PHASE 1 CONSTRUCTION.

**OWTS NOTE**

A SEPARATE OWTS APPLICATION WILL BE REQUIRED FOR THE PHASE 2 BUILDINGS. THE PHASE 2 APPLICATION WILL BE FOR THE PHASE 2: BUILDING SEWER PIPE, SEPTIC TANK, PUMP AND PUMP CHAMBER, AND FORCE MAIN.

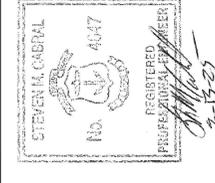


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KEY PLAN

**PROJECT TITLE:**  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**

PLAT MAP 10 LOT 42  
 ZONING DISTRICT GB1  
 GENERAL BUSINESS  
 1 ACRE DISTRICT  
 71 HARKNEY HILL ROAD  
 COVENTRY, RI

PREPARED FOR:  
**ANDREW BARBER**  
 P.O. BOX 7090  
 WARWICK, RI 02886

**DRAWING TITLE:**  
**PRELIMINARY UTILITY PLAN**

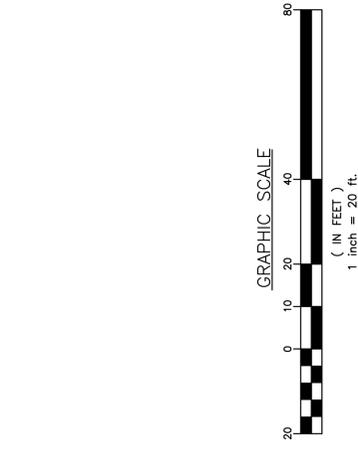
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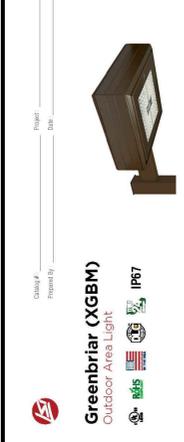
**REVISIONS**

NUMBER	REMARKS	DATE
1	TBC Comments	10/16/24
2	Preliminary Submission	02/20/25

DRAWING NUMBER  
**C8**

SHEET 9 OF 16





Greenbriar (XGBM)  
Outdoor Area Light

ORDERING GUIDE

Model	Color	Finish	Material	Weight	Dimensions
XGBM-FT-LED-SQ-CW-UE-BLK-S-BK	Black	White	Aluminum	15.5 lbs	14" x 14" x 14"
XGBM-FT-LED-SQ-CW-UE-BLK-S-WH	White	White	Aluminum	15.5 lbs	14" x 14" x 14"

Accessories	Part Number	Description
Aluminum Square Pole (Soft Corner) <td>ASGBS-AT23-14-S-BLK</td> <td>14" x 14" x 14" Aluminum Square Pole</td>	ASGBS-AT23-14-S-BLK	14" x 14" x 14" Aluminum Square Pole

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Geometric Scences (GST/GSR)  
Wall Scences

Accessories	Part Number	Description
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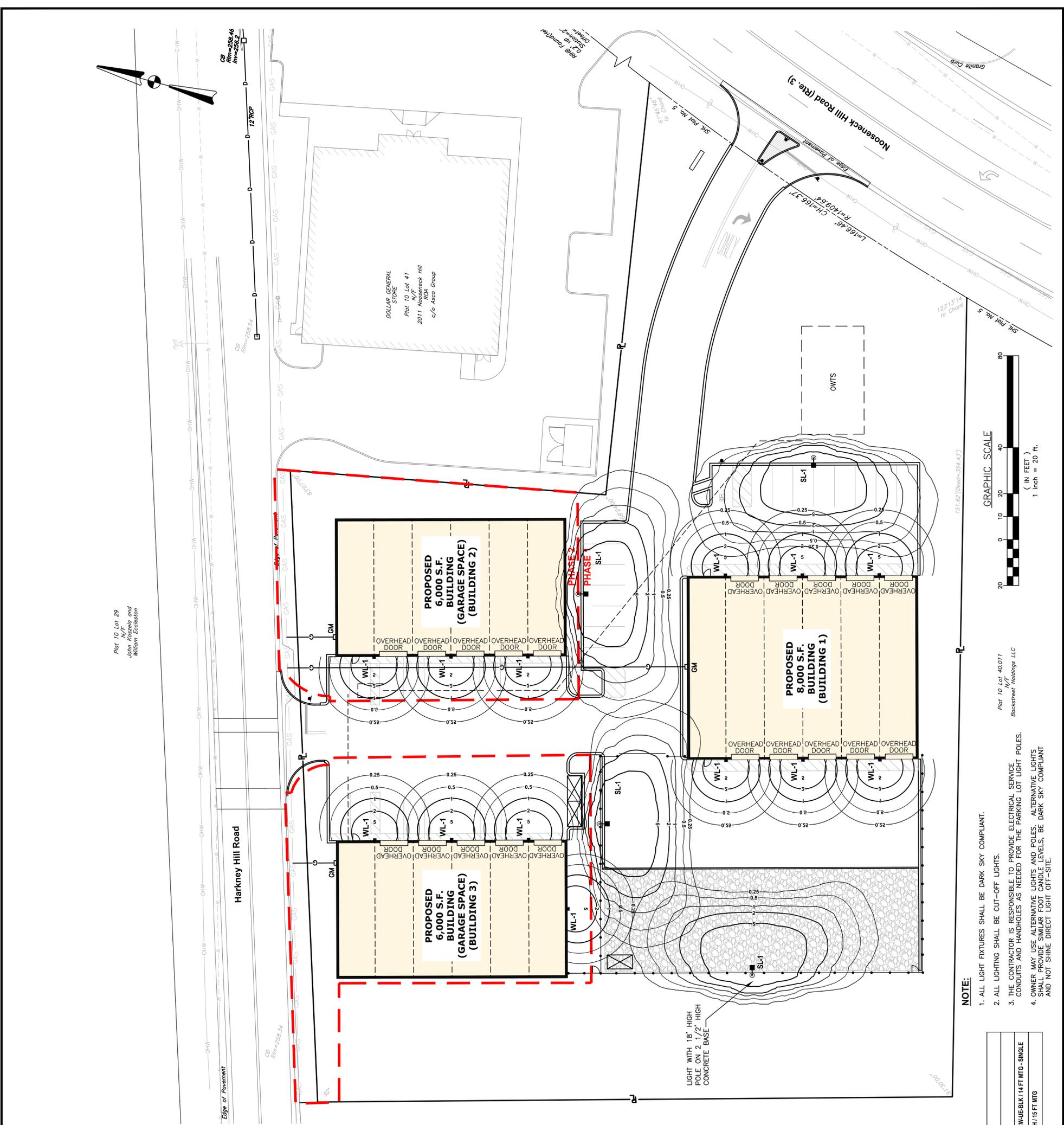
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**PROJECT TITLE:**  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**

PLAT MAP 10 LOT 42  
ZONING DISTRICT GB1  
GENERAL BUSINESS  
1 ACRE DISTRICT  
71 HARKNEY HILL ROAD  
COVENTRY, RI

**PREPARED FOR:**  
**ANDREW BARBER**  
P.O. BOX 7090  
WARWICK, RI 02886

**DRAWING TITLE:**  
**LIGHTING PLAN**

**DATE:** SEPTEMBER 2024  
**SCALE:** 1"=20'

**DWG. NAME:** 2872-10-LIGHT.dwg

REVISIONS	NUMBER	REMARKS	DATE
1	TBC	Comments	10/16/24
2		Preliminary Submission	02/20/25

**DRAWING NUMBER**  
**C9**  
SHEET 10 OF 16

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KEY PLAN

PROJECT TITLE:

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 1 ACRE DISTRICT  
 71 HARKNEY HILL ROAD  
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PREPARED FOR:

ANDREW BARBER  
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**SOIL EROSION and SEDIMENT CONTROL PLAN**

DATE: SEPTEMBER 2024  
 SCALE: 1"=40'

DWG. NAME: 2872-11-SOIL.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TBC Comments	10/16/24
2	Preliminary Submission	02/20/25

DRAWING NUMBER

**C10**

SHEET 11 OF 16

**EROSION CONTROL AND SOIL STABILIZATION PROGRAM**

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE DRAINAGE SYSTEM, ADJACENT PROPERTY, AND ROADWAYS.
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH PROTECTIVE COVERS, SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE OWNER.
- HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 3,000-4,000 LBS/ACRE.
- STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY STRAW WATTLE, STAKED HAY BALES OR SILT FENCING.
- STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW OR FIBER MATTING.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT/REPLACE AS NEEDED.
- ADDITIONAL HAY BALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER, OWNER, MUNICIPAL REPRESENTATIVES OR LOCAL D.O.T.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL AT NO ADDITIONAL COST TO THE OWNER.
- PROPOSED CATCH BASINS SHALL BE PROTECTED BY SILT SACKS.
- THE STRAW WATTLE MAY BE INSTALLED ON THE EXISTING PAVEMENT /IMPERVIOUS AREAS WITH OUT STAKES. CONTRACTOR SHALL INSPECT DAILY, IF SOIL EROSION OR SEDIMENT IS OBSERVED IN THESE AREAS, THE CONTRACTOR SHALL RELOCATE OR INSTALL ADDITIONAL STRAW WATTLE IN LOCATIONS THAT CAN BE STAKED. THIS WORK IS INCLUDED IN THE PROJECT SCOPE.
- SILT FENCE OR STAKED HAYBALES MAY BE USED IN LIEU OF STRAW WATTLE.
- AN ALTERNATE COMPOST SOCK OR FILTER SOCK PRODUCT MAY BE USED IN LIEU OF STRAW WATTLE UPON APPROVAL OF THE ENGINEER.

**DUST CONTROL NOTES**

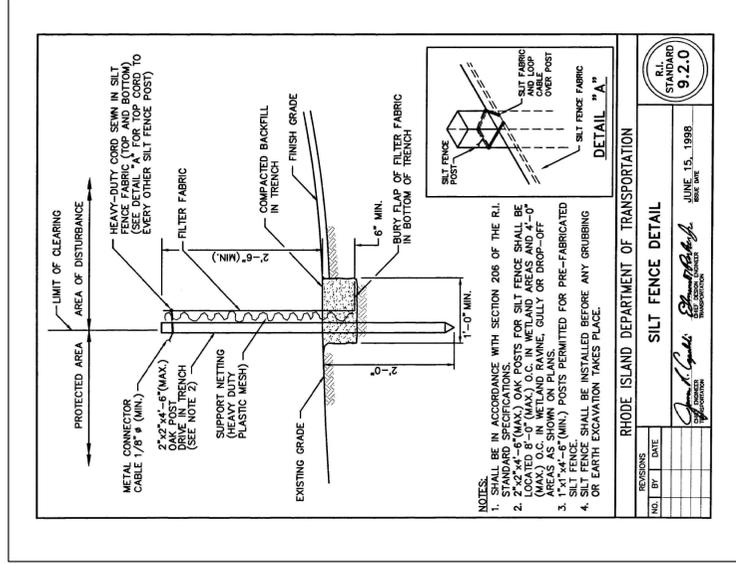
- ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE TOWN, RIDEM OR OWNER, THE CONTRACTOR SHALL UTILIZE ONE OF THE FOLLOWING METHODS TO CONTROL DUST:
- THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
  - CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKE FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
- THE METHODS SHOULD BE REPEATED AS NEEDED, AND SPECIAL ATTENTION MUST BE GIVEN TO THE ACCESS DRIVES.

**INSPECTION/MAINTENANCE NOTES**

- PRIOR TO COMMENCING GRUBBING OPERATIONS AND EARTHWORK, STRAW WATTLE SHALL BE PLACED INSIDE SAWCUT EDGE AND ALONG THE DOWNGRADE LIMIT OF DISTURBANCE TO PREVENT SEDIMENT FROM ENTERING EXISTING ROADWAY DRAINAGE SYSTEM, AND ADJUTING PROPERTIES AND THE CONTRACTOR SHALL INSTALL TREE PROTECTION DEVICES ALONG THE PROPOSED TREELINE/EXISTING TREES TO REMAIN.
- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE DRAINAGE SYSTEM.
- ALL DISTURBED AREAS WHICH BECOME SUBJECT TO EROSION TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SLOPE PROTECTION - SUCH AS RIP-RAP.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT / REPLACE DAILY DURING CONSTRUCTION, FOLLOWING RAINFALL AND WEEKLY DURING NON CONSTRUCTION PERIODS.
- ADDITIONAL STRAW WATTLE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- THE LATEST VERSION OF THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK," PREPARED BY THE R.I. STATE CONSERVATION COMMITTEE, MUST BE UTILIZED BY THE CONTRACTOR AS A GUIDE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND FOR THE ENTIRE PROJECT DURATION, INCLUDING TEMPORARY SHUT-DOWN PERIODS. MUST MONITOR AND REPAIR, AS NEEDED, ALL SLOPES TO ENSURE A STABLE PRODUCT.

**GENERAL PROJECT WIDE NOTES**

- CONTRACTOR SHALL OBTAIN A SOIL EROSION AND SEDIMENT CONTROL PLAN FROM THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK ON SITE. SOIL EROSION AND SEDIMENT CONTROL MEASURES MUST BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION.
- CONTRACTOR SHALL INSTALL TEMPORARY MEASURES SUCH AS: FIBER MATTING, CRUSHED STONE, HAY OR STRAW IN AREAS WHERE SLOPES OR STABILIZATION HAS FAILED.
- IF SEDIMENT IS TRACKED OR ERODED INTO THE ROADWAY, THE CONTRACTOR WILL BE REQUIRED TO SWEEP DAILY.
- STRAW WATTLE (OR SILT FENCE OR STAKED HAYBALES) SHALL BE INSTALLED AROUND THE PERIMETER OF THE AREA TO BE DISTURBED BY CONSTRUCTION. ADDITIONAL APPLICATIONS OF THESE CONTROLS MEASURES MAY BE REQUIRED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL INSPECT THE SITE AT A MINIMUM OF ONCE PER WEEK OR WITHIN 24 HOURS AFTER A STORM EVENT.
- IF EROSION OR EROSION TENDENCIES ARE APPARENT ON THE SITE, THE CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL CONSTRUCTION BMP'S SUCH AS SAND BASINS AS DIRECTED BY THE TOWN OR ENGINEER DURING CONSTRUCTION.
- IF SEDIMENT OR DEBRIS IS TRACKED ONTO EXISTING PAVED AREAS ADJACENT TO THE CONSTRUCTION AREA, THE CONTRACTOR IS REQUIRED TO SWEEP THE PAVEMENT ON A DAILY BASIS. THE AREA SHALL BE INSPECTED DAILY.
- THE CONTRACTOR IS RESPONSIBLE TO KEEP THE SITE CLEAN OF TRASH. RECOMMENDED DAILY PATROL OF THE CONSTRUCTION SHOULD BE CONDUCTED TO PICK-UP TRASH. THE OPERATOR SHALL REQUIRE THE CONTRACTOR TO HAVE PORTABLE SANITARY FACILITIES ON SITE. ROUTINE CLEANING AND WASTE DISPOSAL OF THESE PORTABLE SANITARY FACILITIES IS REQUIRED.



- NOTES:
- BE IN ACCORDANCE WITH SECTION 208 OF THE R.I. STANDARD SPECIFICATIONS.
  - 2'-2 1/4" - 6" (MAX.) OAK POSTS FOR SILT FENCE SHALL BE PLACED AT 10' ON CENTER. ALL POSTS SHALL BE 1'-0" (MAX.) O.C. IN METAL DRIVE, FULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
  - SILT FENCE (MIN.) POSTS PERMITTED FOR PRE-FABRICATED OR EARTH EXCAVATION TAKES PLACE.
  - SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

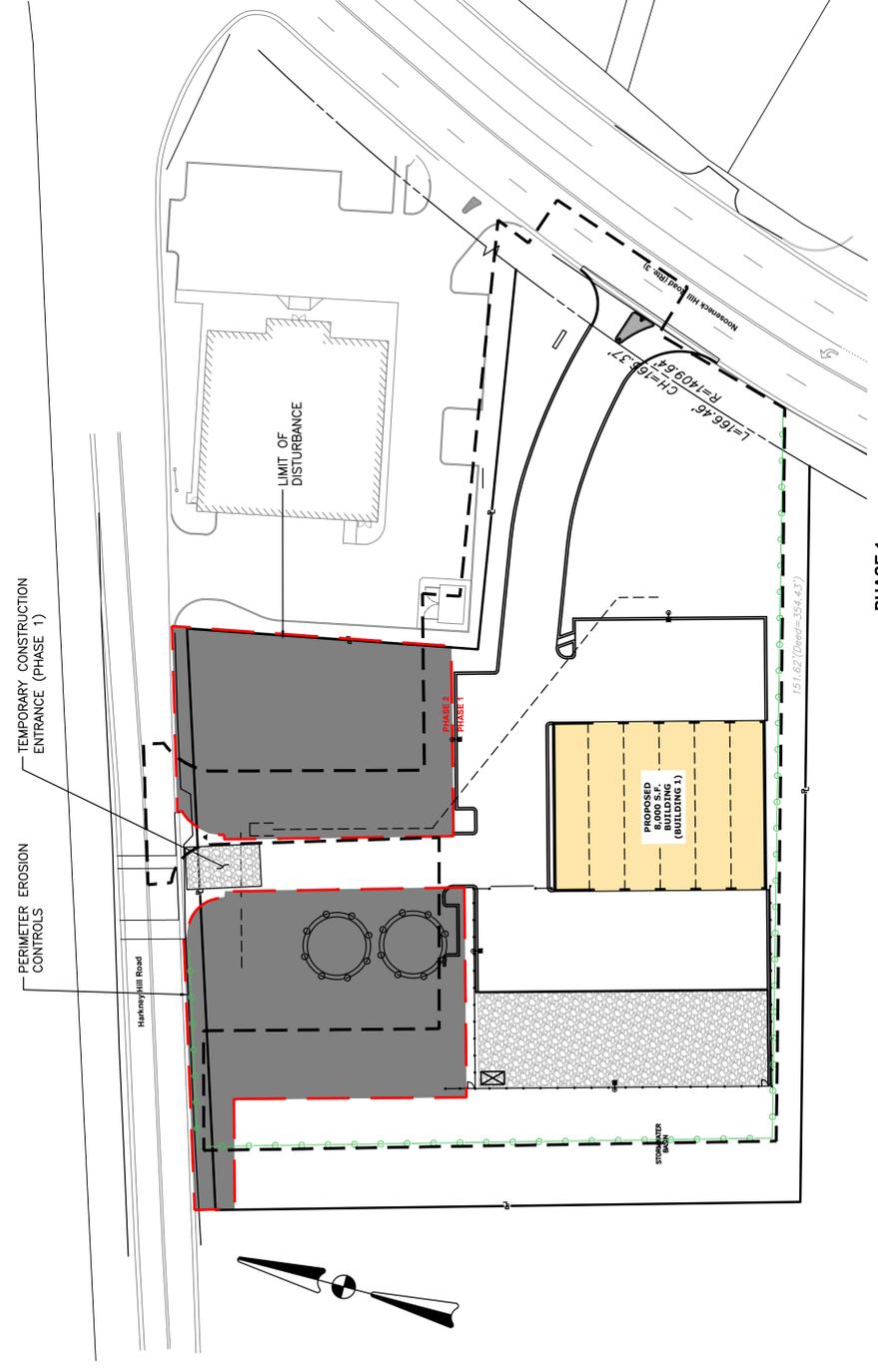
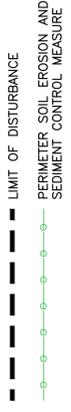


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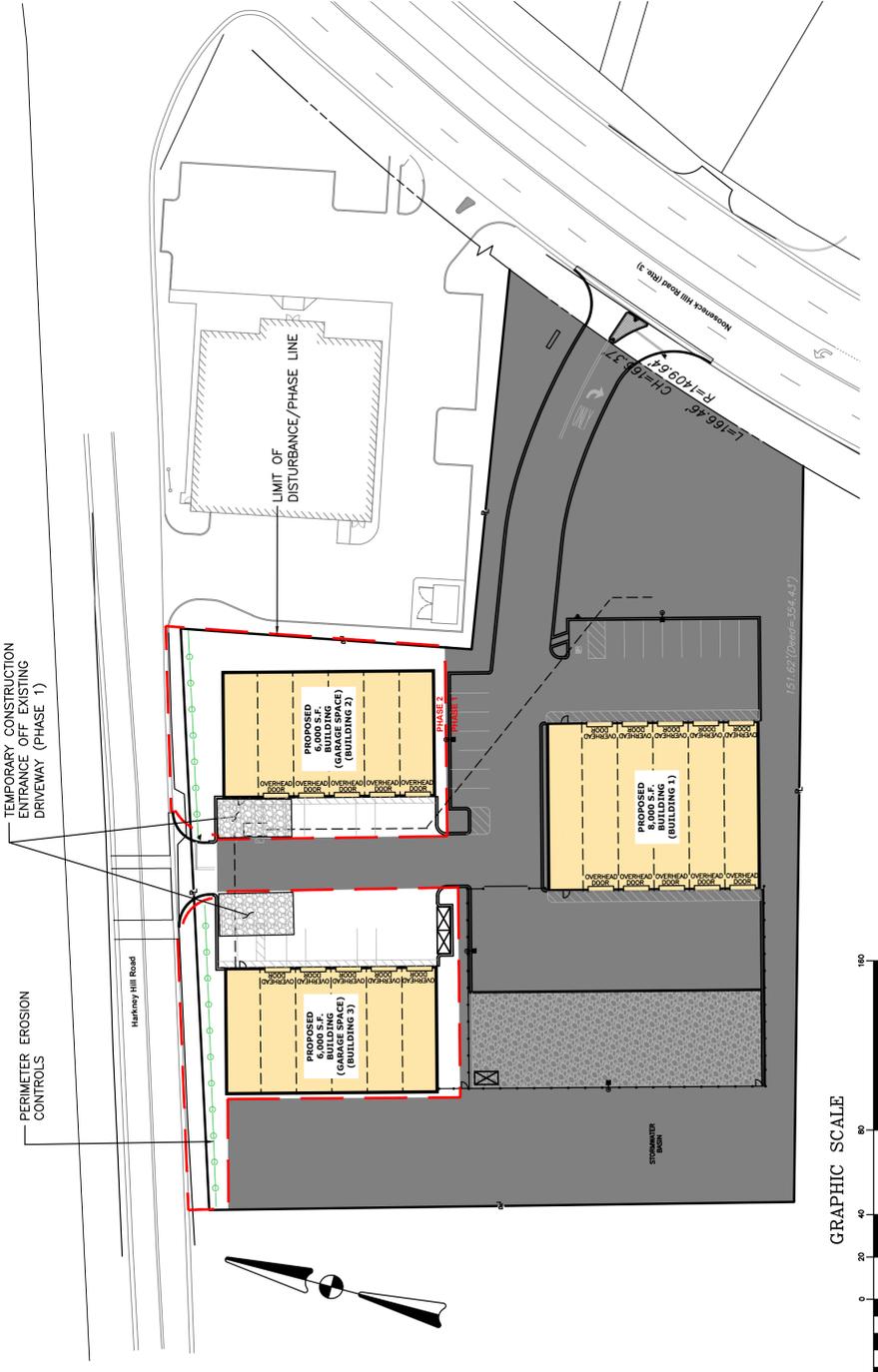
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REVISIONS

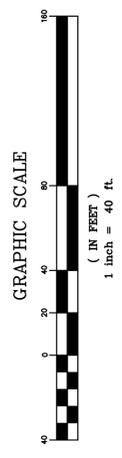
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PHASE 1

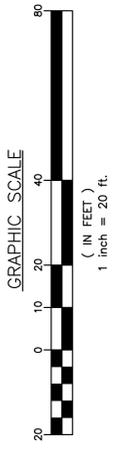
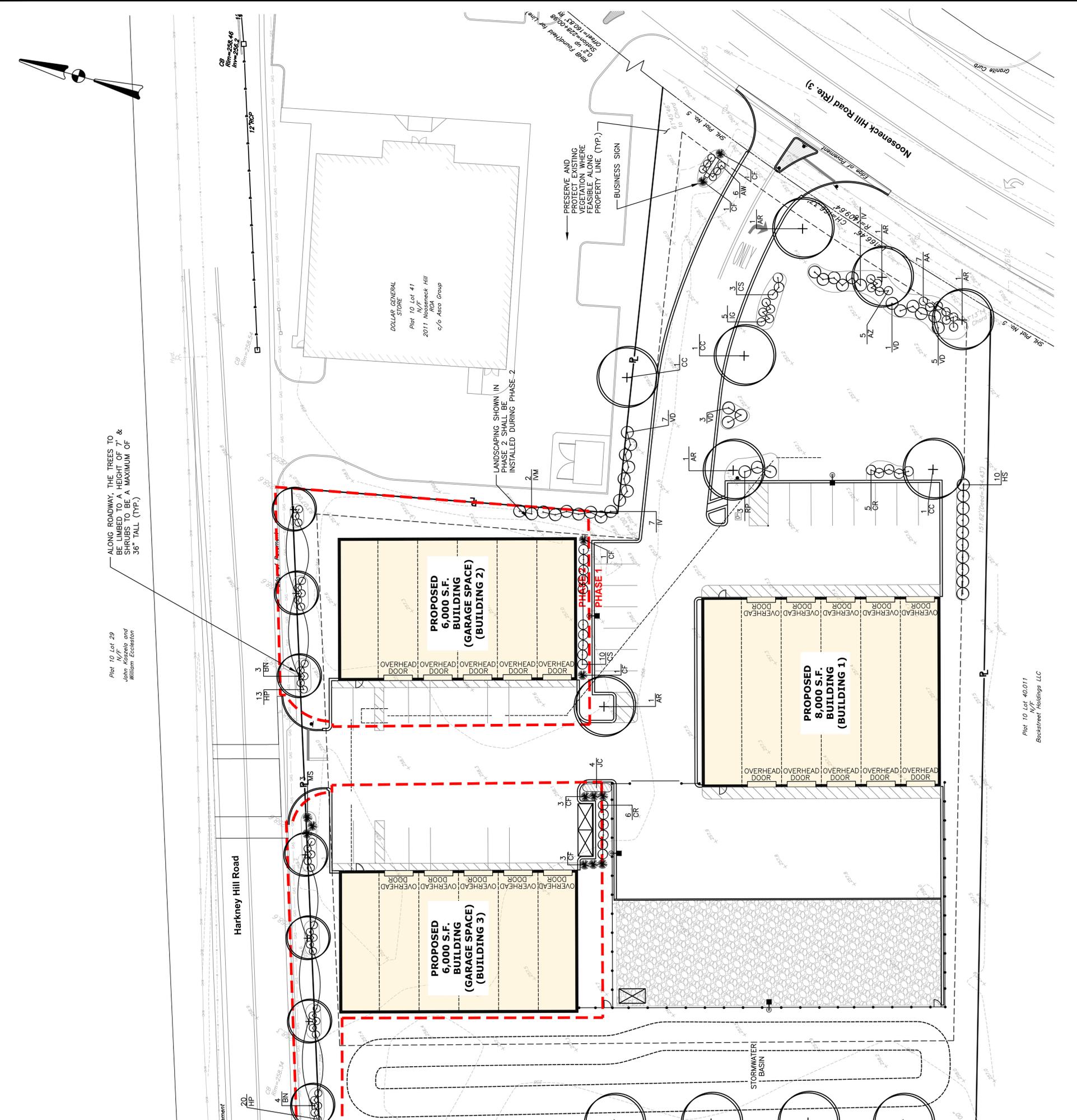


PHASE 2



**PLANTING SCHEDULE**

TREES			
Key	Botanical Name <i>Common Name</i>	Size	Remarks
AR	<i>Acer rubrum</i> 'October Glory' <i>Red Maple</i>	2 - 2 1/2" cal.	B & B
BN	<i>Betula nigra</i> clump 'Heritage' <i>River Birch</i>	10 - 12" ht.	B & B
CC	<i>Cercis canadensis</i> <i>Eastern Redbud</i>	2 - 2 1/2" cal.	B & B
QP	<i>Quercus palustris</i> <i>Pin Oak</i>	2 - 2 1/2" cal.	B & B
SHRUBS			
AZ	<i>Azalea 'Kowal'</i> <i>Light Pink Azalea</i>	#3	cont.
AA	<i>Azalea 'Encore Autumn Amethyst'</i> <i>Dark Pink Re-Blooming Azalea</i>	#3	cont.
AW	<i>Azalea 'Richloom White Nobility'</i> <i>White Re-Blooming Azalea</i>	#3	cont.
CF	<i>Chamaecyparis pisifera 'Gold Mop'</i> <i>Precedent Falls Cypress</i>	#5	cont.
CA	<i>Clethra alnifolia 'RUBY Spice'</i> <i>Pink Summer Sweet</i>	#3	cont.
CR	<i>Comptosia 'Farrow Arctic Fire'</i> <i>Japanese Red Pine</i>	#3	cont.
CS	<i>Hibiscus 'Minerva'</i> <i>Rose of Sharon</i>	#5	cont.
HP	<i>Hydrangea paniculata 'Quick Fire'</i> <i>Pink Panicle Hydrangea</i>	#5	cont.
IG	<i>Ilex glabra 'Gem Box'</i> <i>Gem Box Inkberry</i>	#5	cont.
IV	<i>Ilex verticillata 'Sparkleberry' Female</i> <i>Sparkleberry Winterberry</i>	#5	cont.
IVM	<i>Ilex verticillata 'Sparkleberry' Male</i> <i>Male Winterberry</i>	#3	cont.
RP	<i>Rhododendron 'PJM'</i> <i>Lavender PJM Rhododendron</i>	#5	cont.
VD	<i>Viburnum dentatum 'Blueberry Muffin'</i> <i>Blueberry Muffin Arrowwood Viburnum</i>	#3	cont.
GROUND COVER			
JC	<i>Juncus chin. 'Procumbens'</i> <i>Japanese Garden Juniper</i>	#2	cont.
MS	<i>Miscanthus sinensis 'Yaku Jima'</i> <i>Compact Maidenhair Grass</i>	#2	cont.



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- Permitting
- Landscape Architecture

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KEY PLAN

PROJECT TITLE:  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**  
PLAT MAP 10 LOT 42  
ZONING DISTRICT GB1  
GENERAL BUSINESS  
1 ACRE DISTRICT  
71 HARKNEY HILL ROAD  
COVENTRY, RI

PREPARED FOR:  
**ANDREW BARBER**  
P.O. BOX 7090  
WARWICK, RI 02886

DRAWING TITLE:  
**LANDSCAPE PLAN**

DATE: SEPTEMBER 2024  
SCALE: 1"=20'  
DWG. NAME: 2872-12-LAND.dwg

REVISIONS	NUMBER	REMARKS	DATE
1	TBC	Comments	10/16/24
2		Preliminary Submission	02/20/25

DRAWING NUMBER  
**L1**  
SHEET 12 OF 16





**Crossman Engineering**  
 Rhode Island  
 100 Jefferson Blvd., Suite 200  
 Warwick, RI 02886  
 Phone: (401) 738-5860  
 Email: ce@crossmaneng.com

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 Phone: (508) 698-1700

• Civil  
 • Transportation  
 • Environmental  
 • Site Planning  
 • Surveying  
 • Permitting  
 • Landscape Architecture

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NO.	REV.	DATE	DESCRIPTION

PROJECT TITLE:  
**PROPOSED COMMERCIAL CONTRACTOR UNITS**

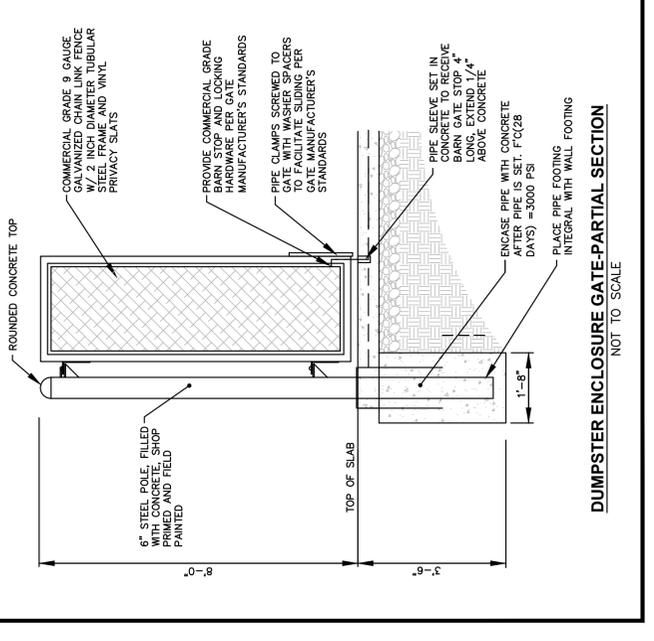
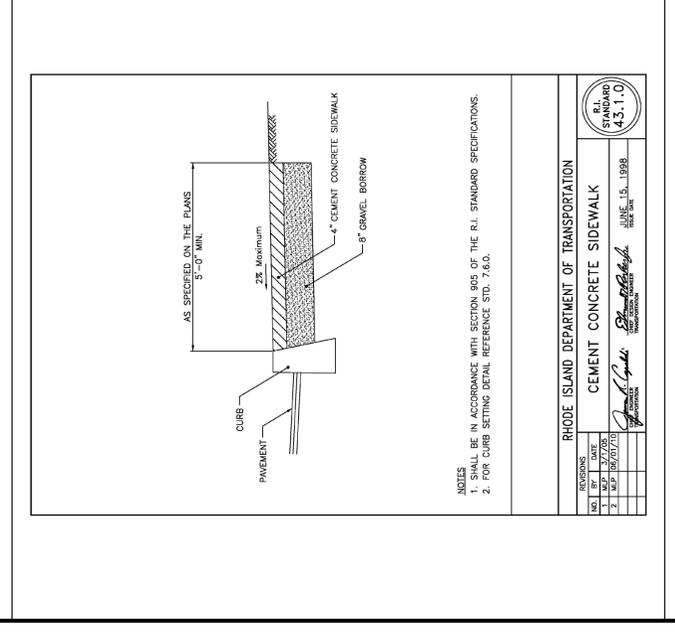
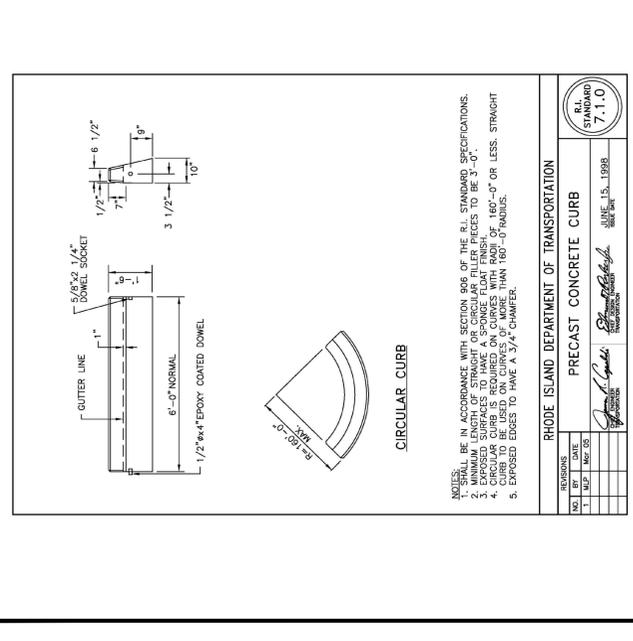
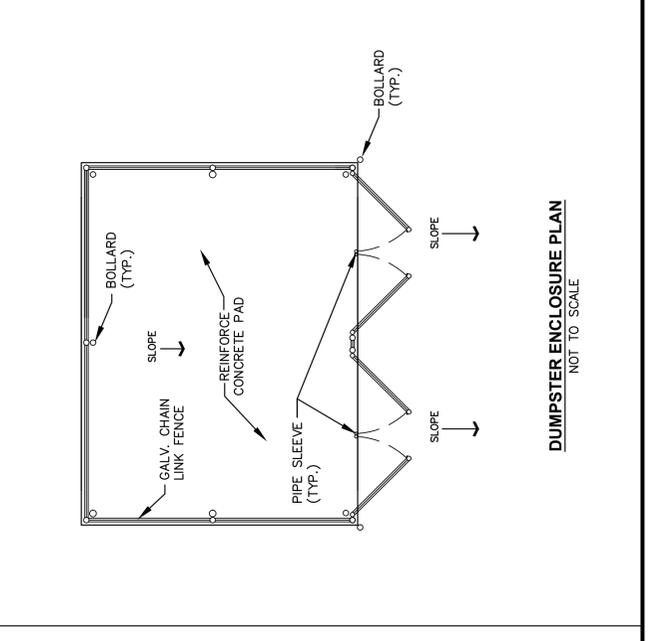
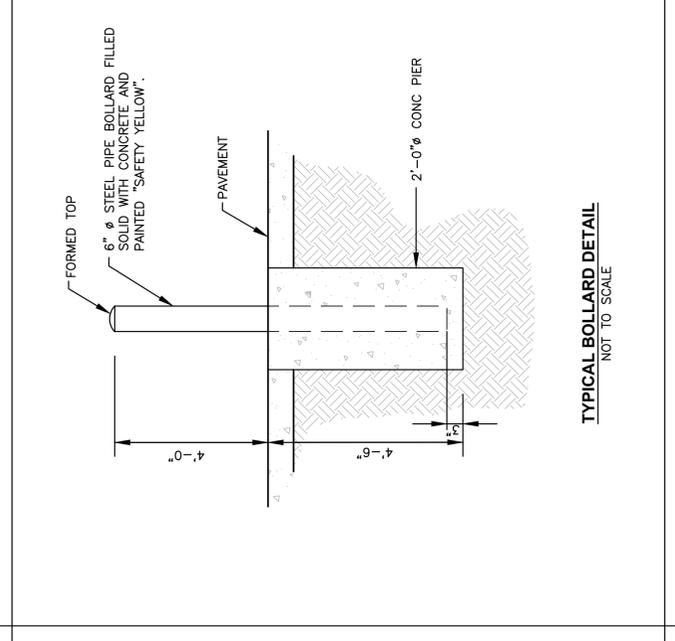
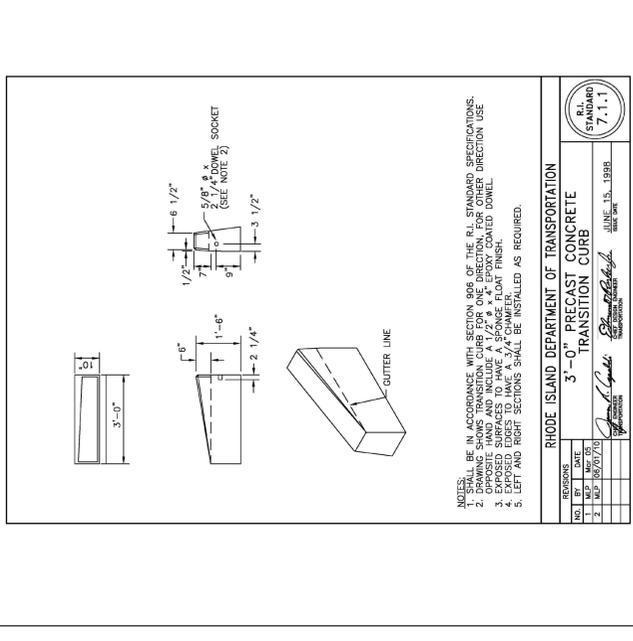
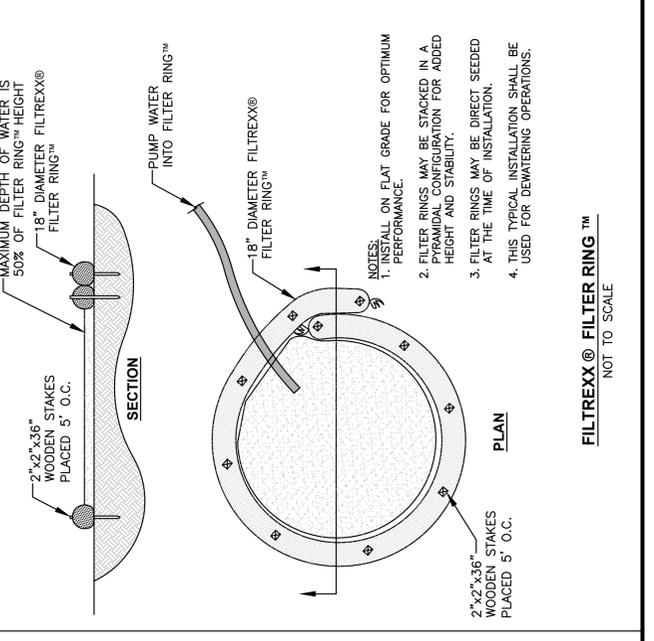
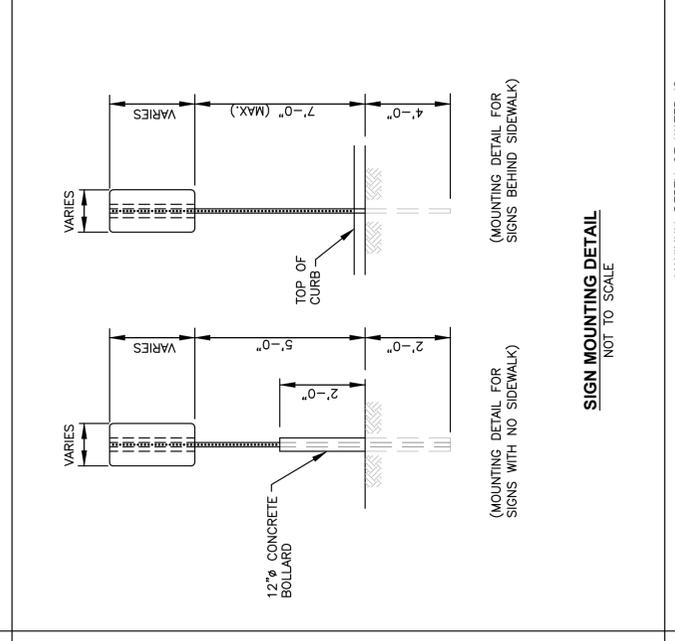
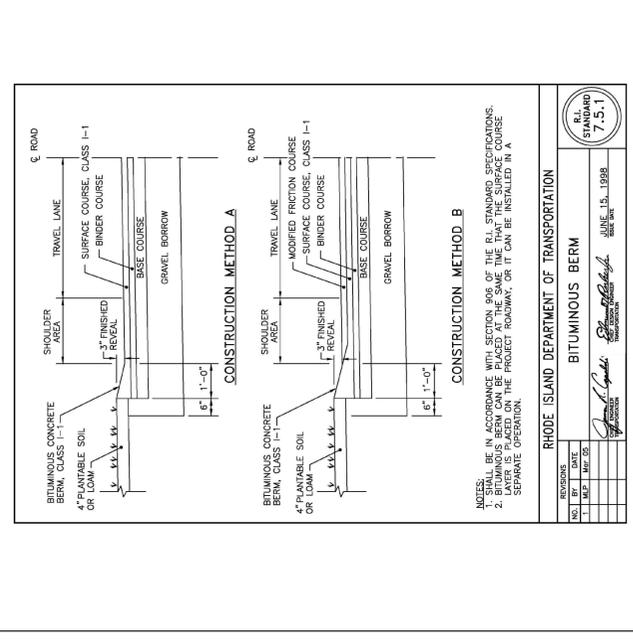
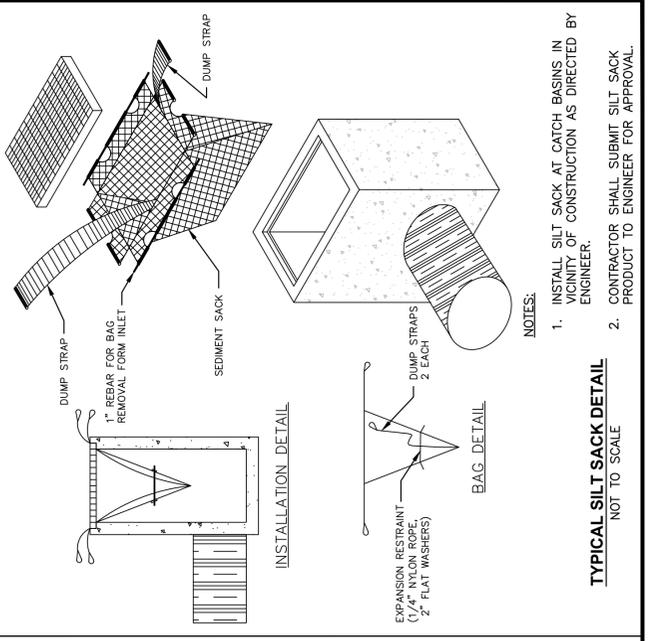
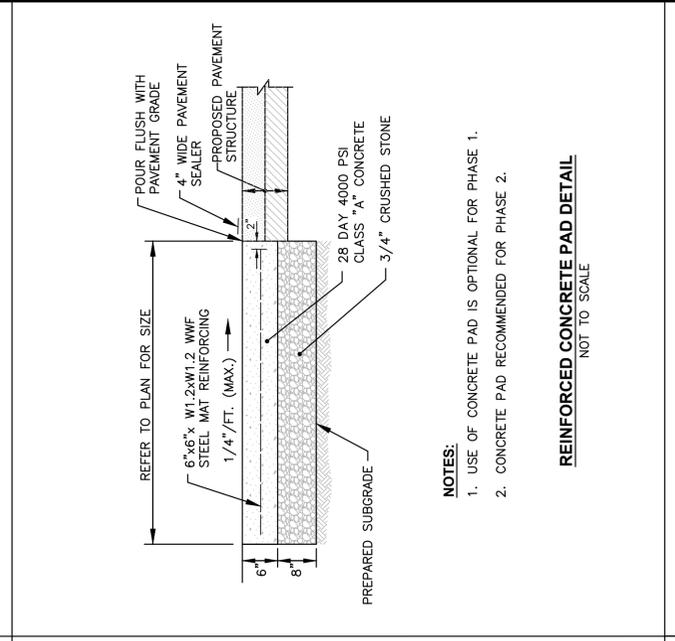
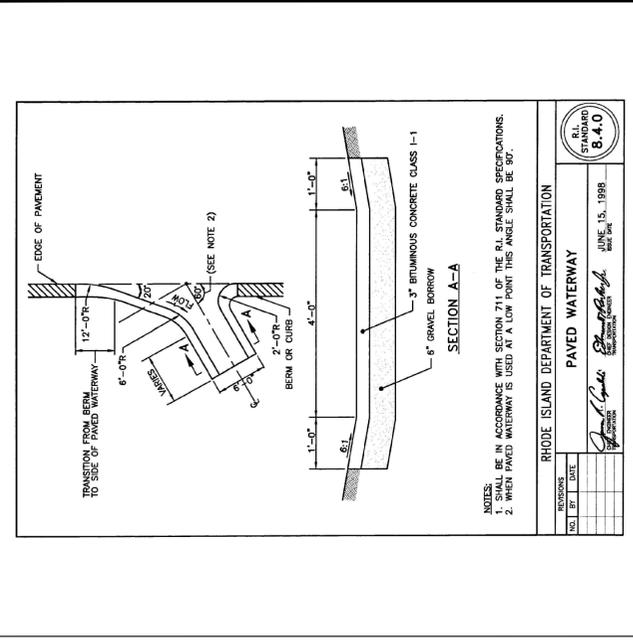
PLAT MAP 10 LOT 42  
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 1 ACRE DISTRICT  
 71 HARKNEY HILL ROAD  
 COVENTRY, RI

PREPARED FOR:  
**ANDREW BARBER**  
 P.O. BOX 7090  
 WARWICK, RI 02886

DRAWING TITLE:  
**MISCELLANEOUS DETAILS PLAN No. 2**

DATE:	SEPTEMBER 2024	SCALE:	AS SHOWN
DWG. NAME:	2872-15-DET02.dwg		
REVISIONS	NUMBER	REMARKS	DATE
	1	TBC Comments	10/16/24
	2	Preliminary Submission	02/20/25

DRAWING NUMBER  
**C11.2**  
 SHEET: 15 OF 16





Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment C - Copy of RIPDES Construction General Permit  
and Authorization to Discharge**

*An electronic copy can be downloaded at:*

<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/conindex.htm>

Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment D - Copy of Other Regulatory Permits**

Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment E - Copy of RIPDES NOI**

Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment F - Inspection Reports w/ Corrective Action Log**

## SESC Plan Inspection Report

Project Information			
Name	Proposed Commercial Contractor Units		
Location	71 Harkney Hill Road, Coventry, RI		
DEM Permit No.			
Site Owner	Name	Phone	Email
Site Operator	Name	Phone	Email
Inspection Information			
Inspector Name	Name	Phone	Email
Inspection Date		Start/End Time	
Inspection Type <input type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event <input type="checkbox"/> Other			
Weather Information			
Last Rain Event Date:                      Duration (hrs):                      Approximate Rainfall (in):			
Rain Gauge Location & Source:			
Weather at time of this inspection:			

**Check statement that applies then sign and date below:**

I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

<b>Inspector:</b>	Print Name	Signature	Date

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

<b>Operator:</b>	Print Name	Signature	Date

**Site-specific Control Measures**

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1			<input type="checkbox"/> Yes <input type="checkbox"/> No		
2			<input type="checkbox"/> Yes <input type="checkbox"/> No		
3			<input type="checkbox"/> Yes <input type="checkbox"/> No		
4			<input type="checkbox"/> Yes <input type="checkbox"/> No		
5			<input type="checkbox"/> Yes <input type="checkbox"/> No		
6			<input type="checkbox"/> Yes <input type="checkbox"/> No		
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		
9			<input type="checkbox"/> Yes <input type="checkbox"/> No		
10			<input type="checkbox"/> Yes <input type="checkbox"/> No		
11			<input type="checkbox"/> Yes <input type="checkbox"/> No		
12			<input type="checkbox"/> Yes <input type="checkbox"/> No		
13			<input type="checkbox"/> Yes <input type="checkbox"/> No		
14			<input type="checkbox"/> Yes <input type="checkbox"/> No		

(add more as necessary)

**General Site Issues**

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2	Are appropriate limits of disturbance (LOD) established?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 <sup>th</sup> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 <sup>th</sup> , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
9	If work is to continue from October 15 <sup>th</sup> through April 15 <sup>th</sup> , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
17	Is the operator maintaining sediment controls in accordance with the requirements in the <i>RI SESC Handbook</i> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the <i>RI SESC Handbook</i> and current best management practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
24	Has the site operator taken steps to <b>prohibit</b> the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

	<b>Compliance Question</b>		<b>Assoc. Photo/ Figure #</b>	<b>Corrective Action Needed (If 'Yes', please detail action required and include location/station)</b>
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
e	Soaps or solvents used in vehicle and equipment washing.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

	<b>Compliance Question</b>		<b>Assoc. Photo/ Figure #</b>	<b>Corrective Action Needed (If 'Yes', please detail action required and include location/station)</b>
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
	(Other)			

(add more as necessary)

**General Field Comments:**

**Photos:**

Photo #:	Station:
	Description:

Photo #:	Station:
	Description:

Photo #:	Station:
	Description:

Photo #:	Station:
	Description:

Photo #:	Station:
	Description:

Photo #:	Station:
	Description:

(add more as necessary)

# Corrective Action Log

## TO BE FILLED OUT BY SITE OPERATOR

Describe repair, replacement, and maintenance of control measures, actions taken, date completed, and note the person that completed the work.

	Location/Station	Corrective Action	Date Completed	Person Responsible
Operator Signature:			Date:	

Construction Site Soil Erosion and Sediment Control Plan  
Proposed Commercial Contractor Units

**Attachment G – SESC Plan Amendment Log**



## **Amendment Log**

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### **TO BE FILLED OUT BY SITE OPERATOR**

*Describe amendment(s) to be made to the SESC Plan, the date, and the person/title making the amendment. ALL amendments must be approved by the Site Owner.*

<b>#</b>	<b>Date</b>	<b>Description of Amendment</b>	<b>Amended by: Person/Title</b>	<b>Site Owner Must Initial</b>
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Add more lines/pages as necessary