Table of Contents

Development & Contents of Plan

The Plan shall consist of site plan drawings and a narrative. The Plan shall be prepared in accordance with sound engineering practices, and shall be consistent with the 2024 Connecticut Guidelines for Soil Erosion and Sediment Control (2024 E&S Guidelines), the 2024 Connecticut Stormwater Quality Manual (2024 SWQ Manual), and any applicable requirements of this general permit.

Site Description

Site Description

The proposed project site, referred herein as the "Site", is located at 2268-2248 Norwich-New London Turnpike (Route 32) in Montville, CT. The Site totals approximately 3.4 acres in area, located in the Commercial 1 (C-1) district and the Route 32 Overlay District (OZ) and is bound by residential properties to the north and west, Route 32 to the east, and Shantok Motors commercial property to the south. The existing Site is currently an undeveloped open space area.

The purpose of this project is to construct a new four-story, 60,000 sf, 57-unit residential building with an approximate 15,000 sf footprint. Substantial new landscaping along the perimeter and within the development is proposed, along with a stormwater management system providing water quality treatment and peak flow mitigation.

- Stormwater from the Site flows off the property in one location and onto Meadow Lane. Runoff from the Site flows into Shantok Brook. Shantok Brook is not identified as an impaired water body per the 2022 State of Connecticut Integrated Water Quality Report.
    - *2022 Integrated Water Quality Report – List of Impaired Waters for CT*
- The project is not within an Aquifer Protection Area (APA) per the online Connecticut Aquifer Protection Areas map. The project is not located within a public water supply watershed per the online DPH Connecticut Public Water Supply Map.
    - *Aquifer Protection Area Interactive Map*
    - *Public Water Supply Map (ct.gov)*
- The outfall from the project does not discharge to a river within the National Wild and Scenic Rivers System Connecticut per the online National Wild and Scenic Rivers System mapping tool.
    - *National Wild & Scenic River System*
- There are no endangered or threatened species and critical habitats on or near the project area per the Natural Diversity Data Base Areas – Montville, CT Map.

Estimated Disturbed Area

The total area for this project site is *3.4* acres. Of this area, *3.4* acres will be disturbed by construction activities.

Total project area: 3.4 acres
Construction site area to be disturbed: 3.4 acres
Percentage impervious (pre-development): 0%
Percentage impervious (post-development): 61%
Effective impervious cover (pre-development) = 0%
Effective impervious cover (post-development) = 62%

Pre- and Post-Development Peak Rates of Runoff in Cubic Feet per Second (cfs)

Point of Analysis 1				
Storm Frequency	Existing Flow Rate (cfs)	Proposed Flow Rate (cfs)	Change (cfs)	% Reduction
2-Year	1.47	1.17	-0.30	20%
10-Year	7.53	7.27	-0.26	3%
25-Year	13.08	12.02	-1.06	8%
100-Year	23.15	16.51	-6.64	29%

Pre- and Post-Development Volume of Runoff in Acre-Feet (af)

Point of Analysis 1				
Storm Frequency	Existing Volume (ac-ft)	Proposed Volume (ac-ft)	Change (ac-ft)	% Reduction
2-Year	0.527	0.379	-0.148	28%
10-Year	1.659	1.488	-0.171	10%
25-Year	2.576	2.456	-0.120	5%
100-Year	4.206	4.132	-0.074	2%

Estimated Runoff Coefficient

As depicted in the calculations below, the runoff coefficient for pre- and post-construction is 0.77 and 0.75 (respectively).

The runoff coefficient assumed for pavement is 0.9 and for gravel roads is 0.7. For the pervious areas, a coefficient of 0.3 was assumed.

Pre-Construction

$$\frac{(0 \text{ ac. } \times 0.9)+(3.4 \text{ ac. } \times 0.3)}{0 \text{ ac. } + 3.4 \text{ ac.}} = 0.30$$

Pre-Construction

$$\frac{(2.1 \text{ ac. } \times 0.9)+(1.3 \text{ ac. } \times 0.3)}{2.1 \text{ ac. } + 1.3 \text{ ac.}} = 0.67$$

Receiving Waters

Stormwater from the Site flows off the property at one location. Runoff from the Site flows onto Meadow Lane and eventually discharges to Shantok Brook and the Thames River. The Shantok Brook is not identified as an impaired water body per the 2022 State of Connecticut Integrated Water Quality Report.

Extent of Wetlands on Site

There is one small wetland located at the north property line of the Site.

The Site is located outside the 100-year flood zone according to the Federal Emergency management Agency (FEMA) FIRM panel 357 of 554 on map number 09011C0351G last revised July 18, 2011.

Construction Sequencing

The proposed project will be constructed in one phase. Construction is anticipated to take one year from the completion of permitting.

The contractor will be responsible for implementing the following erosion and sediment controls and storm water management control measures. The contractor shall comply with the Connecticut Department of Energy & Environmental Protection (DEEP) 2024 Stormwater Quality Manual and the most recent edition of the Connecticut Erosion and Sediment Guidelines. The contractor may designate these tasks to certain subcontractors as he sees fit, but the ultimate responsibility for implementing these controls and ensuring their proper functioning remains with the contractor. The order of activities will be as follows:

1. Install perimeter straw wattles in the locations shown on DWG. C-1 titled “Demolition and Erosion Control Plan”. Straw wattles to be installed per detail shown on detail sheets.
2. Install inlet/outlet protection at the locations of all existing grate inlets, curb inlets and at the ends of all exposed storm water drainage pipes.
3. Begin termination of existing utility services in accordance with the requirements of the utility company having authority.
4. Commence clearing and grubbing activities.
5. Excavate temporary sediment basin and temporary drainage swale per the C-1 plan and as needed to collect any silt laden runoff.
6. The temporary sediment basin and temporary drainage swale shown on the plan depict one point in time during earthwork construction. The temporary basins as shown are sized to hold a volume of 134 cy/ac based on contributing area. Catchment areas to sediment traps shall be kept as small as possible. Installation of the infiltration system will be kept as small as possible.
7. Installation of the infiltration system will commence once temporary drainage swales and sediment basins are in place.
8. Commence site grading activities (rough grade site). During grading activities perform erosion and sediment control inspections as required this Stormwater Pollution Control Plan.
9. Fill slopes shall be compacted and stabilized with vegetation and erosion control blankets as quickly as possible during the initial site earthwork.
10. At all times during grading activities, verify stability of perimeter controls and repair where necessary. Clean and re-install all inlet and outlet protection. Cover stockpiles to minimize erosion by wind or rainfall. Complete final sweeping of all existing paved surfaces to remove any remaining sediment.
11. Inspect the entire site to verify that no areas remain that are susceptible to allowing sediment and/or hazardous materials to be discharged from the project Site.
12. Disturbed areas of the Site where construction activity has, or will, cease for more than 7 days shall be temporarily stabilized.
13. Install site utilities. Inlet protection must be installed at all existing and new drain inlets. Place rip-rap and outlet protection at all drain outlets at locations shown on the plans.
14. Finalize pavement and building subgrade preparation.
15. Remove inlet protection around inlets and manholes no more than 48 hours prior to placing stabilized base course.
16. Install and compact pavement gravel.
17. Install binder and finish course pavement.
18. Install silt bags in catch basins until the site is vegetated and stabilized.
19. Fine grade landscape areas and install landscape plantings.
20. Install traffic control signage and parking lot striping.
21. Complete outstanding punch list items and perform final clean-up activities.
22. Remove and dispose of all accumulated sands and sediment to design grades, stabilize and revegetate disturbed areas.
23. Remove perimeter controls after paving operations are complete and all disturbed areas are stabilized, only upon approval of the Town of Waterford.
24. Clean all stormwater structures and devices that collected and conveyed stormwater from the construction area.

Control Measures

This section describes the minimum measures required to control soil erosion during and after construction of the proposed sitework. The soil erosion and sediment control measures depicted herein are designed in accordance with a document entitled "Connecticut Guidelines for Soil Erosion and Sediment Control" published by the Connecticut Council on Soil and Water Conservation in 2024. The contractor may be required to implement additional measures to prevent site erosion and sedimentation of downstream waterways.

For those areas for which construction activity will be temporarily suspended for a period of greater than 14 days, temporary stabilization measures shall be implemented within 3 days of such suspension of activity. For all areas, permanent stabilization shall be implemented within 30 days of disturbance:

Erosion and Sedimentation Controls

The Department of Transportation (STET) will have a Qualified Inspector assigned to the project to oversee the Contractor's operations and to ensure compliance with the provisions of the Contract. Further Department oversight is provided by the Eastern District Environmental Coordinator and the Office of Environmental Planning.

The following timelines will be followed for the proposed construction activities:

- The Contractor shall stabilize disturbed areas with temporary or permanent measures as quickly as possible after the land is disturbed. *Requirements for soil stabilization are detailed in Form 818 Section 1.10, Environmental Compliance.*

- Areas that remain disturbed but inactive for at least 30 days shall receive temporary seeding or soil protection within seven (7) days.

- Areas that will be disturbed past the planting season will be covered with a long-term, non-vegetative stabilization method that will provide protection through the winter.

- If construction activities are completed to final grade, permanent seeding shall take place within seven (7) days. (*Review Chapter 5 of the 2022 E&S Guidelines)*

The following note (below) appears on the project Construction Plans; Department projects are required to have Preconstruction Meetings with the Contractor. The Contractor is required to review and understand the Contract Plans and Specifications and to develop an E&S Plan for review and approval by the Engineer. In the review of the Contractor's E&S plan at all disturbed locations for compliance with the Stormwater Permit requirements for a double row of sediment control barriers.

Double Row of Erosion and Sediment Control Barriers (SCS)

- Additional erosion control barriers (double row of SCS) may be required within the project area. Factors to be reviewed by the Engineer include but are not limited to: the contributing disturbed area, drainage area, slope, length of slope, and flow conditions to maintain sheet

flow. If determined necessary, the Engineer will direct the Contractor to install and maintain additional rows of erosion control barrier (or equivalent).

Soil Stabilization and Protection

The project erosion and sediment control monitor shall supervise the layout of sediment and erosion control measures to ensure maximum protection of existing native trees and shrubs. Erosion and sediment control measures shall be installed prior to any fill being placed and shall be modified as required during earthwork operations to control and divert surface runoff from fill slopes and exposed soil surfaces. The erosion and sediment control measures shall include silt fences and staked straw wattles at bottom of fill slopes. erosion control blankets shall be placed on completed slopes steeper than 3:1 as soon as possible. When necessary, seeding with temporary grasses may be required. use berms and temporary drainage swales to divert runoff from slopes prior to final stabilization.

Bring all excavated, filled, or disturbed areas to final grade as soon as possible and stabilize areas with loam, seed and mulch immediately. Keep erosion control measures in place until the site is stabilized with pavement and/or vegetation.

Reverse Slope Benches

A reverse slope bench is required for any slope steeper than 3:1 (horizontal: vertical) that exceeds 15 feet vertically, except when engineered slope stabilization structures or measures are included or a detailed soil mechanics analysis has been conducted to verify stability. Engineered analyses and measures must be designed by a Connecticut licensed Professional Engineer with experience in geotechnical engineering or soil mechanics.

Reverse Slope Benches have not been incorporated into the project since there are no slopes steeper than 3H:1V that exceed 15' tall. Therefore, there is no need to lessen the erosive potential of surface water and subsequent rilling and rutting.

Temporary Stabilization Practices

Temporary grass cover:
Provide temporary grass cover where indicated on the plans or where temporary land grading will be unaltered for more than one month but less than 12 months. The contractor shall loosen the soil to a depth of two inches before seeding. If existing soil is not capable of growing grass, the contractor shall spread at least two inches of topsoil over the loosened surface. If seeding commences during the summer or early autumn, annual or perennial rye grass seed shall be used. If seeding commences in spring or late autumn, winter rye grass seed shall be used. Seeding rates shall be 5 lbs./1000 s.f. Hay mulch shall be spread at the rate of 100 lbs/1000 s.f. The contractor shall irrigate the grass until an acceptable stand of grass is established.

Stockpiling or storage of excavated materials:
Completely surround all temporary (2-4 weeks) material stockpiles with silt fence to prevent transportation of sediment. Seed stockpiles what will remain for a longer duration with a quick growing rye grass.

Fabric slope protection:
Install fabric slope protection on slopes steeper than 3:1. The contractor shall select a fabric from the Connecticut department of transportation's approved product list. Curlex erosion control matting by American Excelsior company or approved equal. The contractor will submit a filter fabric shop drawing for engineer and municipality review and approval. The fabric shall meet the requirements of class 1 type c slope protection. The fabric shall be installed in accordance with the manufacturer's instructions and guidelines. The contractor shall maintain the fabric until a stand of grass, acceptable to the engineer, is established.

Temporary mulch:
Mulch all disturbed areas with hay or straw at the rate of 2 tons per acre. Spread mulch by hand or mulch blower to provide a uniform distribution. Anchor the mulch by tracking with tracked construction equipment so cleat marks are parallel to the contour. Mulch nettings, applied in accordance with the manufacturer's recommendations, may be used as an alternate to tracking. Restore any areas where mulch is washed away or blown away by the wind.

This activity shall be used to stabilize areas where construction is suspended during the winter months. Once the appropriate dates for seeding are reached, the contractor shall complete the seeding operations.

Dust control:
Take precautions to prevent dust from becoming a nuisance to abutting property owners and streets. Broom off pavements adjoining the excavation on a daily basis. Cover and/or keep all earth stockpiles moist at all times. Use calcium chloride to control dust over certain areas of the site, as directed by the engineer or shown on the plans, calcium chloride shall conform to ASTM d-98, type I. The contractor shall maintain and inspect, on a daily basis, the adequacy of dust control measures and correct any deficiencies immediately.

Tree protection:
The contractor shall provide snow fencing, board fencing, or rope fencing around trees or groups of trees that are to remain, to protect them against damage. The contractor shall be responsible for selecting and installing the protection measures most appropriate for the conditions present. The contractor shall repair and/or replace tree protection measures immediately if damaged during construction.

Stabilization practices shall be implemented after completion, as final grades are reached, within seven (7) days.

Temporary seeding shall be spread over any disturbed areas which will remain inactive for at least 30 days. Areas to remain disturbed through winter shall be protected with non-vegetative stabilization measures. The Contractor must provide an Erosion and Sedimentation Control plan for each winter season during construction operations.

The Contractor may elect to utilize other controls in conformance with the 2024 E&S Guidelines, as approved by the Qualified Inspector. The Contractor will be required to provide the necessary details for any erosion controls not specifically called for on the project plans.

During construction, all areas disturbed by the construction activity that have not been stabilized,

structural control measures, and locations where vehicles enter or exit the site shall be inspected at least once a week and within 24 hours of the end of a storm that generates a discharge. For storms that end on a weekend, holiday, or other time in which normal working hours will not commence within 24 hours, an inspection is required within 24 hours following any storm in which 0.1 inches or greater of rain occurs. For lesser storms, inspection shall occur immediately upon the start of subsequent normal working hours.

Permanent Stabilization Practices

During construction, the following methods of permanent stabilization shall be installed:

- Topsoiling: In conjunction with permanent seeding, once final grades have been established, topsoil shall be applied to provide a suitable growth medium for vegetation.

- Permanent Seeding: Once soils have been brought to final grade; permanent seeding shall be used to stabilize the soil with a vegetative cover**.** Disturbed areas below the wetland limit shall be seeded with the appropriate seed mix. Once the site has achieved **final stabilization for at least one full growing season (April – October)** in **the year following** the end of construction, the Contractor shall have the **site inspected by a Qualified Inspector** to confirm such stabilization is maintained. The Qualified Inspector shall indicate compliance with this requirement on the Notice of Termination form.

- Landscaping: Wood chip mulch shall be placed around the plants. Plantings (trees, shrubs, etc.) and permanent seeding may be established together. Wood chip mulch shall NOT be utilized in wetland areas.

All new embankments and unpaved areas that are graded or disturbed by construction will receive erosion control matting, topsoil and/or turf establishment. The Contractor may use other permanent stabilization practices approved by the Qualified Inspector and in conformance with the 2024 E&S Guidelines.

Structural Measures

Temporary structural measures:

Catch basin protection, filter fabric and stone filter:
Use filter fabric and stone filter for protection of catch basins in a low point as shown and detailed on DWG. C-1 and C-5. Firmly stake filter fabric into the pavement base material. Wrap the entire grate with Mirafi 140n filter fabric or approved equal. Remove sediment from around the inlet protection once levels reach 1/4 the effective height. Replace the inlet protection immediately if they are damaged or deteriorated. The fabric shall be replaced immediately if its permeability is impeded by sediment.

Catch basin protection, straw wattle check dams, type 5:
Use straw wattle check dams for protection of catch basins in a swale. Place staked barriers in the swale in at least two locations upstream of the basin as shown on the plans and details. Monitor the barriers to ensure that runoff either filters through the barrier or goes over the top.

Do not allow runoff to bypass the side of the barrier. Remove the sediment when it reaches 1/4 of the height of the barrier.

Temporary sediment trap:
Install temporary sediment trap in the locations shown on the plans. Construct the trap to the length, width, and depth shown on the plans. Inspect the sediment trap at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater. Remove sediment once levels reach 50 percent of the trap's wet storage volume. Backfill the temporary sediment trap only after the site has been stabilized in a fashion that provides adequate sediment control through permanent devices prior to stormwater reaching the infiltration basin.

Temporary swales:
If runoff becomes channelized, install temporary swales and direct runoff to a temporary sediment trap. Modify and install additional swales as required during construction to direct runoff from fill slopes and exposed soil surfaces toward temporary sediment traps.

Permanent structural measures:

Land grading:
Proposed grades are shown in detail on civil drawing C-2.

Bring all excavated, filled, or disturbed areas to final grade as soon as possible and stabilize areas with loam, seed and mulch immediately. Keep erosion control measures in place until the site is stabilized with pavement and/or vegetation.

Infiltration system:
An infiltration system is required, as shown on the plans and details, to reduce the peak rate of runoff leaving the site. Construct the infiltration system according to the plans and details. Minimize the amount of sediment flowing into the underground system by temporarily capping the inlet pipe to the system until final catch basins and pavement courses have been installed. Additionally, install silt sacks or approved equivalent until construction is completed, in order to minimize sediment entering the infiltration chamber system. Following construction and site stabilization, the contractor shall remove sediment as required.

Maintenance

The narrative shall include the procedures to maintain, in good and effective operating conditions, all erosion and sediment control measures, including vegetation, and all other protective measures identified in the Plan.

All construction activities and related activities shall conform to the requirements of Section 1.10 "Environmental Compliance" of Form 818, the Department's Standard Specifications for Roads, Bridges, Facilities, and Incidental Construction. In general, all construction activities shall proceed in such a manner so as not to pollute any wetlands, watercourses, water body, and conduit carrying stormwater. The Contractor shall limit, in so far as possible, the surface area of earthen materials exposed by construction activity and immediately provide temporary and permanent pollution control to prevent soil erosion and contamination on the site. Water pollution control provisions and Required Best Management Practices per Section 1.10, Environmental Compliance of the Standard Specifications shall be administered during construction. Control measures shall be

inspected and maintained in accordance with the 2024 E&S Guidelines and as directed by the Qualified Inspector .

Dewatering Wastewaters

Dewatering Guidelines

When dewatering is necessary, pumps used shall not be allowed to discharge directly into a wetland, watercourse, or stormwater drainage system. Prior to any dewatering, the Contractor must prepare a written proposal for specific methods and devices to be used, including, but not limited to, the pumping of water into a temporary sedimentation basin, providing surge protection at the inlet or outlet of pumps, floating the intake of a pump, or any other method for minimizing and retaining the suspended solids. If the Qualified Inspector determines that a pumping operation is causing turbidity problems, the Contractor shall halt said operation until a means of controlling the turbidity is submitted by the Contractor in writing to the Engineer, approved in writing by the Engineer and implemented by the Contractor.

No discharge of dewatering wastewater shall contain or cause a visible oil sheen, floating solids or foaming in the receiving water. If required, all activities are to be performed in compliance with the Department’s Standard Specifications.

Post-Construction Stormwater Management

(All controls in this section must be in conformance with the 2024 SWQ Manual and the Department's qualified product list. Be sure to use the same call outs for structures as in the manual)

The Qualified Inspector may consider BMP's to be installed during the construction process to minimize the discharge of pollutants, and stormwater discharges that will occur after construction operations have been completed.

- Minimal Curbing: Curbing shall be avoided wherever possible to maximize overland sheet flow and encourage infiltration. See if this can be moved elsewhere

- Outlet Protection: Riprap outlet protection shall be used at the proposed outlet to decrease velocity and the potential for erosion. (i.e. apron, splash pad…)

- Catch Basins w/ 4 ft. Sumps and Hoods: Catch basins shall be used, especially adjacent to outlets, to intercept pollutants and debris.

- Street Sweeping: Street sweeping shall be performed as required to clean debris/sediment prior to leaving the site.

- Hydrodynamic Particle Separator: Hydrodynamic Particle Separators shall be installed and cleaned as required to reduce the levels of TSS and provide treatment to stormwater prior to continuing to downstream drainage systems.

Post-Construction Guidelines

After the project is complete, the Department will perform the following maintenance and restorative measures:

- Litter/debris and sweepings will be removed from the site regularly.
- Mowing and maintenance of the turf areas and vegetated areas will occur, as needed.
- Riprap outlet protection will be inspected and repaired, as needed.
- Stormwater drainage system will be cleaned of sediment/debris, as directed by the Qualified Inspector .
- Identify, inspect, and maintain all stormwater quality BMP's included within the project, as per the MS4 or manufacturer recommendations.

Post Construction Performance Standards and Control Measure

Redevelopment:

For sites that are already developed where there is more than 40% effective impervious cover, the site must be designed to retain on-site half the water quality volume for the site and provide

additional stormwater treatment without retention for discharges up to the full water quality volume for sediment, floatables and nutrients to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice.

If this retention and treatment cannot be achieved, describe:

- *The measures taken to maximize runoff reduction on site.*
- *The reasons those are the maximum extent achievable.*
- *The alternative retention volume you are providing; and*
- *A description of the measures used to provide additional treatment above the alternative volume.*

For Roadway and other linear redevelopment projects:

- *For the developed portion of the ROW:*
    - *If the full retention standard cannot be met; describe the alternative retention provided and the treatment measures provided.*

If the effective impervious cover will not be increased within a given watershed, stormwater treatment measures must be provided, but retention of half the water quality volume is NOT required. Permit says implement additional stormwater treatment.

In order to comply with the Department's MS4 Permit requirements. projects shall seek to reduce the effective impervious cover (as defined in 12/31/20 Construction SW Permit) to the maximum extent practicable.

"Effective Impervious Cover" is the area of impervious cover that is hydraulically connected to a water or wetland by means of continuous paved surfaces, gutters, swales, ditches, drain pipes or other conventional conveyance and detention structures that do not reduce runoff volume. Impervious cover is a surface composed of any material that impedes or prevents infiltration of water into the soil. Impervious surfaces shall include, but are not limited to, roofs, solid decks, driveways, patios, sidewalks, parking areas, tennis courts, concrete or asphalt streets, or compacted soils or compacted gravel surfaces.

Pre-Development:

Effective impervious cover = $\frac{\text{Impervious cover hydraulically connected to water/wetlands}}{\text{All area hydraulically connected to water/wetlands}}$

Effective impervious cover = $\frac{\text{. 0 acres (pavement)}}{\text{0 acres}}$

Effective impervious cover (pre-development) = **0%**

Post-Development:

Effective impervious cover = $\frac{\text{Impervious cover hydraulically connected to water/wetlands}}{\text{All area hydraulically connected to water/wetlands}}$

Effective impervious cover = $\frac{\text{2.1 acres}}{\text{3.4 acres}}$

Effective impervious cover (post-development) = **62%**

Required Water Quality Volume (WQV)

Subsurface Infiltration Field #1 (PSIS-1)

This subsurface infiltration field is located in the proposed landscape area and pavement, west of the proposed residential building. It collects and provides treatment for all the stormwater runoff from the roof, as well as the parking area. The system utilizes 84" perforated CMP pipes configured in five rows. The proposed bottoms of the field and pipe inverts are 142'. The dimensions of the field is 155-feet x 49-feet for a total bottom area of 7,595 Square Feet. The volume provided is 29,441 Cubic Feet in the chambers and 12,518 Cubic Feet in the stone voids for a total volume of 41,968 Cubic Feet. The system is designed to store and infiltrate up to the required treatment amount.

The on-site stormwater management system has been designed to capture, detain, and treat stormwater runoff from the on-stormwater runoff while capturing and detaining stormwater runoff from the offsite tributary area, which will improve runoff conditions. A hydrodynamic particle separator (CDS Unit) has been provided to minimize the number of contaminants that may flow into the system. The subsurface infiltration system has three inlets from CDS Units, which directs flow into the system..

$$WQV = (P) * (R) * (A)(1ft/12in)$$

$$Where:$$
$$WQV = Water\ Quality\ Volume$$
$$R = Volumetric\ Runoff\ Coefficient\ (dimensionless) = 0.05 + 0.009(I)$$
$$I = Percent\ Impervious\ Cover = 90{,}735\ SF\ /\ 148{,}322\ SF = 62\ \%$$
$$A = Drainage\ Area\ in\ Acres = 148{,}322\ SF = 3.4\ AC$$

$$R = 0.05 + 0.009(I)$$

$$R = 0.05 + 0.009(62)$$

$$R = 0.608$$

$$WQV = 1.30 * 0.608 * 148{,}322\ (1ft/12in)$$

$$WQV = 9{,}770\ CF = 0.224\ acre\ feet$$
$$Proposed\ Volume\ provided\ 41{,}968\ CF$$

Other Development:

A stormwater management system has been designed consistent with the Connecticut Stormwater Quality Manual that will improve upon the current stormwater runoff conditions in terms of peak flow control, recharge, and water quality from pre-development conditions. Runoff control, water quality improvement, and groundwater recharge will be accomplished by implementing the following drainage improvements:

- Collect storm runoff in catch basins with deep sumps and hooded outlets,
- Route runoff through hydrodynamic particle separators for additional removal of Total Suspended Solids (TSS),
- Construction of a subsurface infiltration systems designed to retain and recharge runoff, thereby reducing the hydraulic burden on the existing drainage system.

Runoff Reduction and LID Practices

The proposed stormwater management measures described above will not have any adverse impacts to the adjacent properties. Runoff generated from storms up to the 100-year storm will be mitigated through the various on-site closed drainage systems prior to discharging offsite. Water quality will be enhanced over existing conditions, resulting in an overall improvement in storm runoff from the Site compared to pre-development conditions.

Suspended Solids and Floatable Removal

The onsite stormwater management system has been designed to collect, treat and infiltrate the first inch of rain on-site via deep sump catch basins, hydrodynamic particle separators, and subsurface infiltration system, achieving greater than 80% Total Suspended Solids (TSS) pollutant removal rates. Therefore, the stormwater management system will minimize the discharge of suspended solids and floatable (e.g., oil and grease, other floatable liquids, floatable solids, trash, etc.)

Velocity Dissipation:

Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow offsite so that the existing, downstream characteristics and functions are maintained and protected.

Other Controls (Non-Structural)

Waste Disposal

Construction site waste shall be properly managed and disposed of during the entire construction period.

The following is applicable:

- A waste collection area will be designated. The selected area will minimize truck travel through the site and will not drain directly to the adjacent wetlands.
- Waste collection shall be scheduled regularly to prevent the containers from overfilling.
- Spills shall be cleaned up immediately.
- Defective containers that may cause leaks or spills will be identified through regular inspection. Any found to be defective will be repaired or replaced immediately.
- Any stockpiling of materials should be confined to the designated area as approved by the Qualified Inspector .

Washout Areas

Washout of applicators, containers, vehicles, and equipment for concrete shall be conducted in a designated washout area. No surface discharge of washout wastewaters from the area will be allowed. All concrete wash water will be directed into a container or pit such that no overflows can occur. Washout shall be conducted in an entirely self-contained system and will be clearly designed and flagged or signed where necessary. The washout area shall be located outside of any buffers and at least 50 feet from any stream, wetland or other sensitive water or natural resources as determined or designated by the Department's Office of Environmental Planning or the project Qualified Inspector .

Washout Area(s) will be site located by the Contractor, approved by the Qualified Inspector and the SWPCP revised, as appropriate. The "Concrete Washout Area" detail *Concrete Washout Detail* shows the recommended method of construction for the washout area. The designated area shall be designed and maintained such that no overflows can occur during rainfall or after snowmelt.

Anti-tracking Pads and Dust Control

(Form 818- Sections 2.11, 9.39, 9.42, and 9.43)

Off –site vehicle tracking of sediments and the generation of dust shall be minimized. Temporary anti-tracking pads from the active work site to the existing pavement will be installed and maintained at the locations shown on the plans.

The Contractor shall:

- Maintain the entrance in a condition which will prevent tracking and washing of sediment onto paved surfaces.

- Provide periodic top dressing with additional stone or additional length as conditions demand.
- Repair any measures used to trap sediment as needed.
- Immediately remove all sediment spilled, dropped, washed or tracked onto paved surfaces.
- Ensure roads adjacent to a construction site are left clean at the end of each day.

If the construction entrance is being properly maintained and the action of a vehicle traveling over the stone pad is not sufficient to remove the majority of the sediment, then the contractor shall either:

- Increase the length of the construction entrance,
- Modify the construction access road surface, or
- Install washing racks and associated settling area or similar devices before the vehicle enters a paved surface.

For construction activities which cause airborne particulates, wet dust suppression shall be utilized. Construction site dust will be controlled by sprinkling the ground surface with water until it is moist on an as-needed basis. The volume of water sprayed shall be such that it suppresses dust yet also prevents the runoff of water.

Maintaining and Storing Vehicles and Equipment- Storage of Chemicals & Petroleum Products

The Contractor shall take measures to prevent any contamination to wetlands and watercourses while maintaining and storing construction equipment on the site. All chemical and petroleum containers stored on site shall be provided with impermeable containment which will hold at least 110% of the volume of the largest container, or 10% of the total volume of all containers in the area, whichever is larger, without overflow from the containment area. All chemicals and their containers shall be stored under a roofed area except for those stored in containers of 100-gallon capacity or more, in which case double-walled tanks will suffice. Accumulation of rainwater within secondary containment must be visually inspected for sheen prior to being discharged. If any sheen is identified; the accumulated water must be removed by the Contractor to an appropriate off-site location.

Cold Water Stream Habitat

For construction activities within a Cold-Water Stream Habitat watershed, the one hundred (100) foot undisturbed buffer specified is that section must be verified post-construction and, where such buffer is located within the boundaries of the construction site, supplemented with additional plantings as necessary to maintain canopy/stream cover.

- The construction activities associated with the project are not within a Cold-Water Stream Habitat watershed per the online CT Dept. of Energy and Environmental Protection Cold Water Habitat mapping tool.
    - Cold Water Stream Habitat Map Application

Inspections

The Qualified Inspector will conduct site inspections once a week or after any rain event of 0.1" or greater. The Qualified Inspector conducting inspections shall fill out a Construction Site Environmental Inspection Report (CSEIR) for each inspection described below. Each report shall be retained as a part of the SWPCP. The report shall include a statement that, in the judgment of the Qualified Inspector(s) conducting the site inspection, the site is either in compliance or out of compliance with the terms and conditions of the Plan and permit. If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the remedial actions required to bring the site back into compliance, review Keeping Plans Current.

Plan Implementation Inspections

For each phase of construction, the site shall be inspected at least once within the first 30 days of construction activity and at least three times, with 7 or more days between inspections, within the first 90 days of construction activity to confirm compliance and proper initial implementation of all control measures.

Routine Inspections

The Permittee will maintain a rain gauge on-site to document rainfall amounts. During construction, all areas disturbed by the construction activity that have not been stabilized, all erosion and sediment control measures, structural control measures, soil stockpile areas, washout areas, and locations where vehicles enter or exit the site shall be inspected for evidence of or the potential for pollutant entering the drainage systems and impacts to the receiving waters at least every seven (7) calendar days and within 24 hours of the end of a storm that generates a discharge.

For storms that end on a weekend, holiday, or other time in which normal working hours will not commence within 24 hours, an inspection is required within 24 hours following any storm in which 0.1 inches or greater of rain occurs. For lesser storms, inspection shall occur immediately upon the start of subsequent normal working hours.

Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least weekly until final stabilization has been achieved.

Qualified Inspectors provided by the Department's Eastern District Office shall conduct inspections.

The following items shall be inspected as described below:

Item	Procedure
Parking Lot & Roadways	The parking lot and roadways in and around the project site should be inspected weekly to find if any trash or debris is present.

Landscaped areas	Landscaped areas within the project site should be inspected weekly for any trash or debris.
Compactor/Dumpster	The compactor/dumpster area should be inspected weekly for any trash or debris in and around the area.
Property Perimeter	The property perimeter should be inspected weekly for any trash or debris.
Catch Basins	Catch basins should be inspected semi-annually for any trash, oil sheen, hood (securely fastened), and excessive sediment. Catch basins should be cleaned annually.
Curbing	Curbing should be inspected semi-annually for structural conditions.
Hydrodynamic Particle Separators (CDS Units)	Hydrodynamic Particle Separators (CDS Units) should be inspected semi-annually for trash, excessive sediment, structural condition.

Post-Construction Inspection

Upon completion of construction activities and stabilization of the site, all post-construction stormwater structures, including catch basins, hydrodynamic particle separators, StormTech Isolator Rows, shall be cleaned of construction sediment or debris and the site inspected to confirm compliance with all post-construction stormwater management requirements. Sediment shall be properly disposed of in accordance with all applicable laws, regulations and guidelines. Any remaining sediment control system(s) SCS shall be removed prior to acceptance of the project by the Department.

Final Stabilization Inspection

Once the site has achieved final stabilization, the site shall be inspected to confirm stabilization is maintained, and a Notice of Termination Form shall be submitted.

Keeping Plans Current

Revisions to Stormwater Pollution Control Plans

The Department shall amend the Plan if the actions required by the Plan fail to prevent pollution or otherwise comply with provisions of the General Permit. The Plan shall also be amended whenever there is a change in contractors or sub-contractors at the site, or a change in design, construction, operation, or maintenance at the site which has not otherwise been addressed in the plan.

Resubmission is for extenuating circumstance in which new calculations are required such as the addition a new outfall or a modification to a stormwater quality structure within the project limits and not for modifications such as staging/access road relocations. Additionally, resubmission is applicable if there is a change in run off or discharge of pollutants.

If the results of the inspections require modifications to the Stormwater Pollution Control Plan, the plans shall be revised as soon as practicable after the inspection. Such modifications shall provide for a timely implementation of any changes to non-engineered controls on the site within 24 hours and implementation of any changes to the plan within 3 (three) calendar days following the inspection. For Engineered measures, corrective actions shall be implemented on site within 7 (seven) days and incorporated into a revised Plan within 10 (ten) days of the date of inspection.

In no event shall the requirements to keep the Plan current or update a Plan, relieve the permittee and their contactor(s) of the responsibility to properly implement any actions required to protect the waters of the State and to comply with all conditions of the permit.

Contractors

General

This section identifies all Contractors and Subcontractors who will perform on site actions which may reasonably be expected to cause or have the potential to cause pollution of the waters of the State.

Certification Statement

All contractors and subcontractors must sign the attached statement. All certifications will be included in the Stormwater Pollution Control Plan.

State Project No. TBD

Residential Development
Montville, CT

"I certify under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as Contractor on the project, I am covered by this General Permit, and must comply with the terms and conditions of this permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for this project."

GENERAL CONTRACTOR

Signed:_____ Date:_____

Title: TBD

Firm: TBD Telephone: _____

Address: _TBD_____

_____TBD_____

SUBCONTRACTOR

Signed: ___TBD_____ Date:_____

Title:_____TBD_____

Firm:_____TBD_____ Telephone:_____

Address:___TBD_____

_____

General:

This Stormwater Pollution Control Plan (SWPCP) is prepared to comply with the requirements for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. Also, to be considered part of the SWPCP are the proposed construction plans, special provisions, and the Connecticut Department of Transportation's "Standard Specifications for Roads, Bridges and Incidental Construction" (Form 818) including supplements thereto and the 2024 Connecticut Guidelines for Erosion and Sediment Control (2002 E&S Guidelines) and 2024 Stormwater Quality Manual (2024 SWQ Manual).

List of applicable Figures / Plans:

Appendix A – Figures

- USGS Map
- Soils Map
- FEMA Flood Insurance Map
- Existing Watershed Plan
- Proposed Watershed Plan
- Natural Diversity Data Base Areas Map – Montville, CT

Appendix B – Plan Sheets

- Demolition and Erosion Control Plan
- Demolition and Erosion Control Notes
- Grading and Drainage Plan
- Erosion Control Details
- Applicable Stormwater details
- Overall Landscape Plan

Appendix C- Connecticut DEEP General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Appendix D- CTDOT MS4 Project Design Maximum Extent Practicable Worksheet

- CTDOT MS4 Maximum Extent Possible (MEP) sheet

Appendix E- Construction Site Environmental Inspection Report (CSEIR)

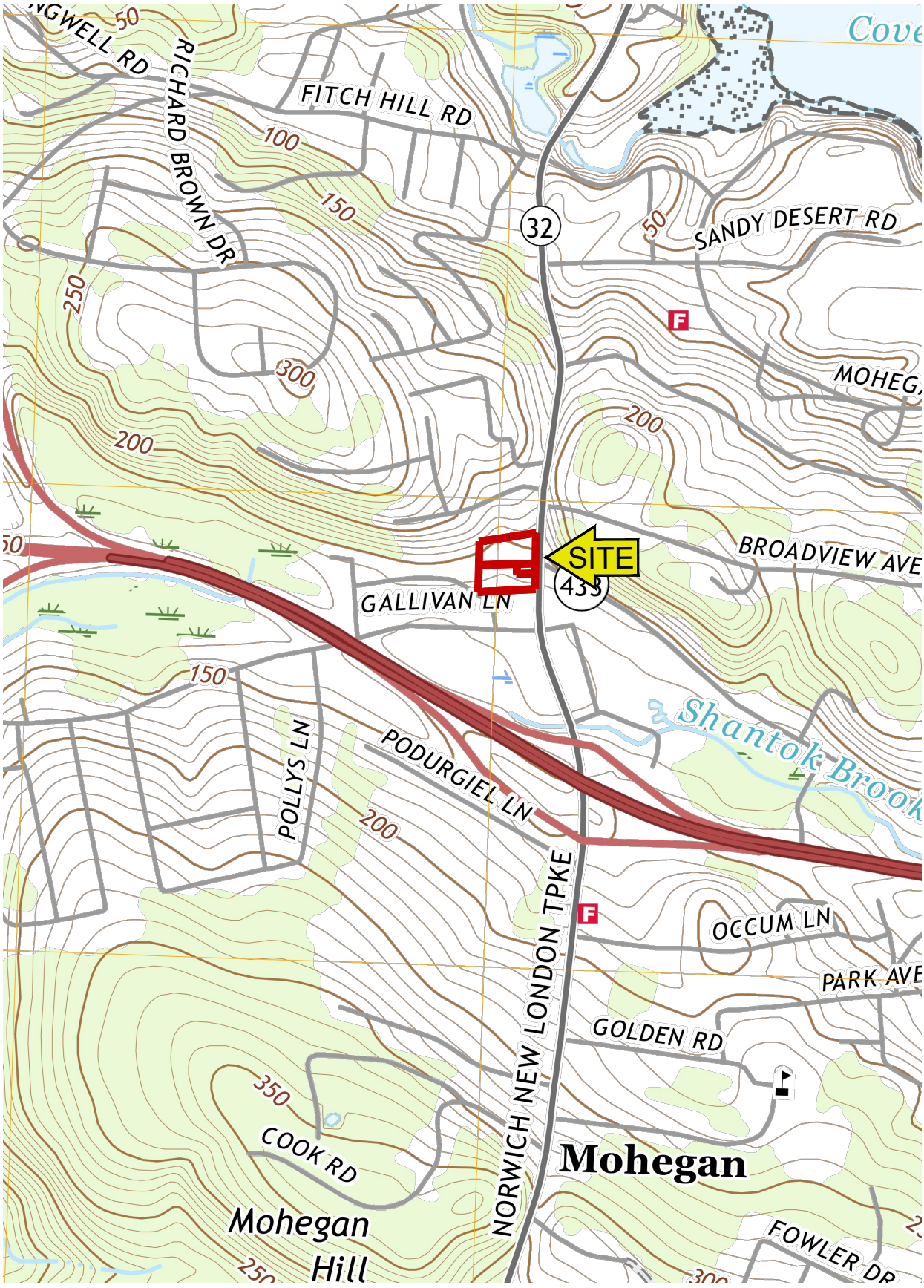
- CSEIR Form

Appendix F – Notice of Termination Form

- General Permit for the Discharge of Stormwater & Dewatering Wastewaters from Construction Activities – Notice of Termination Form

APPENDIX A - FIGURES

- **USGS Map**
- **Soils Map**
- **FEMA Flood Insurance Map**
- **Existing Watershed Plan**
- **Proposed Watershed Plan**
- **Natural Diversity Data Base Areas Map – Montville, CT**



1,000 0 500 1,000 2,000

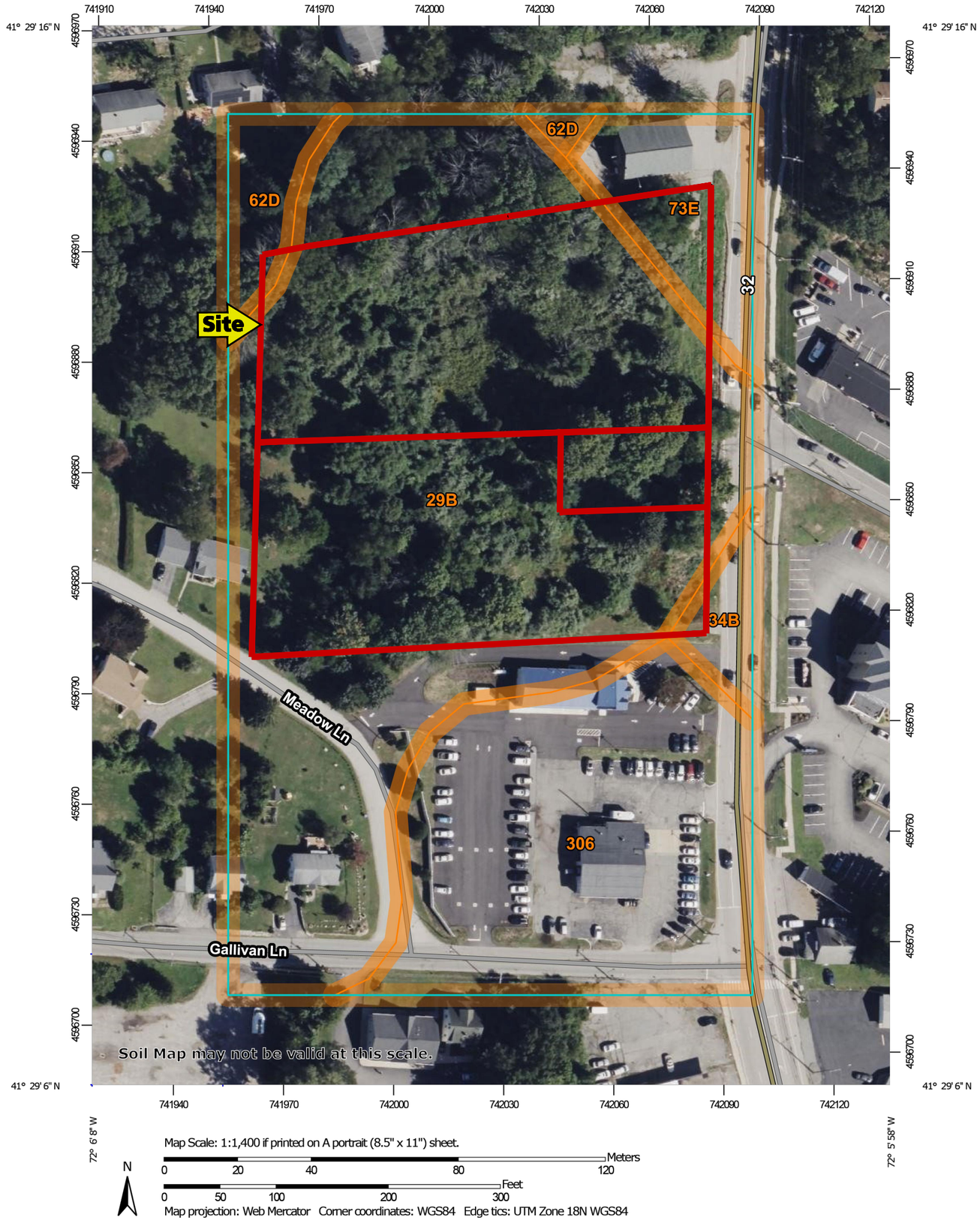
GRAPHIC SCALE IN FEET

RJO'CONNELL
& ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS

DATE: 08/27/2024 SCALE: 1"=1000'

FIGURE 1
USGS MAP
2268-2284 CONN. ROUTE 32
MONTVILLE, CT 06382

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Reports\Stormwater Pollution Control Plan (SWPCP)\Figures\24029_FIG-1 USGS.dwg
Aug 28, 2024 - 9:17am



RJOC

N

HYDROLOGIC SOIL GROUP

MAP UNIT SYMBOL	MAP UNIT NAME	RATING
29B	AGAWAM FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	B
34B	MERRIMAC FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES	A
62D	CANTON AND CHARLTON FINE SANDY LOAMS, 15 TO 35 PERCENT SLOPES, EXTREMELY STONY	B
73E	CHARLTON-CHATFIELD COMPLEX, 15 TO 45 PERCENT SLOPES, VERY ROCKY	B
306	UDORTHENTS-URBAN LAND COMPLEX	B (UDORTHENTS) D (URBAN)

RJO'CONNELL
& ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS

DATE: 08/27/2024 SCALE: AS SHOWN

FIGURE 2
NRCS WEB SOIL SURVEY MAP

2268-2284 CONN. ROUTE 32 MONTVILLE, CT

N

RJOC

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% Annual Chance Floodplain Boundary
	0.2% Annual Chance Floodplain Boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

500 0 250 500 1,000

GRAPHIC SCALE IN FEET

REFERENCE: FEMA FLOOD INSURANCE RATE MAP, NEW LONDON COUNTY, CONNECTICUT PANEL 351 OF 554, MAP NUMBER 09011C0351G EFFECTIVE DATE JULY 18, 2011

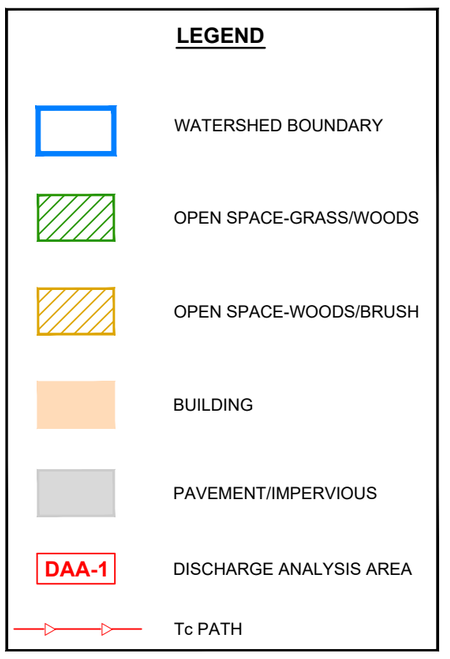
RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS

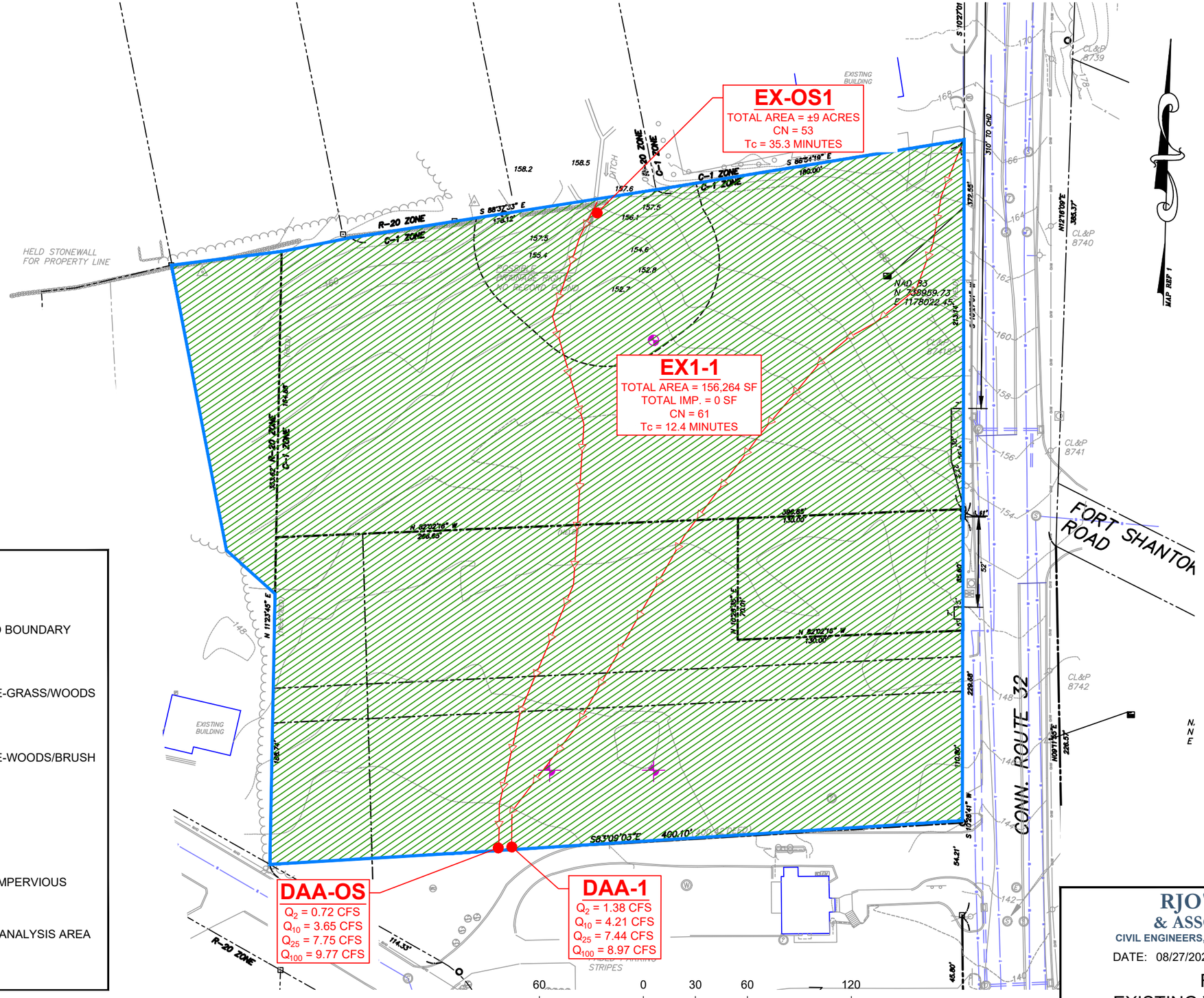
DATE: 08/27/2024 SCALE: 1"=500'

FIGURE 3
FEMA FLOOD INSURANCE RATE MAP

2268-2284 CONN. ROUTE
MONTVILLE, CT 06382

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Reports\Stormwater Pollution Control Plan\Figures\24029_FIG-2 FEMA Firm Map.dwg
Aug 27, 2024 - 15:09pm





RJOC

RJO'CONNELL
& ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS

DATE: 08/27/2024 SCALE: 1"=50'

FIGURE 4
EXISTING WATERSHED PLAN
40 TUNXIS AVENUE
BLOOMFIELD, CT 06002

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Engineer\Drainage\Watershed\Existing Watershed Plan.dwg
Aug 28, 2024 - 7:32am

CT DEEP GIS Open Data Website

Natural Diversity Database

ctdeepgis maps
Department of Energy & Environmental Protection

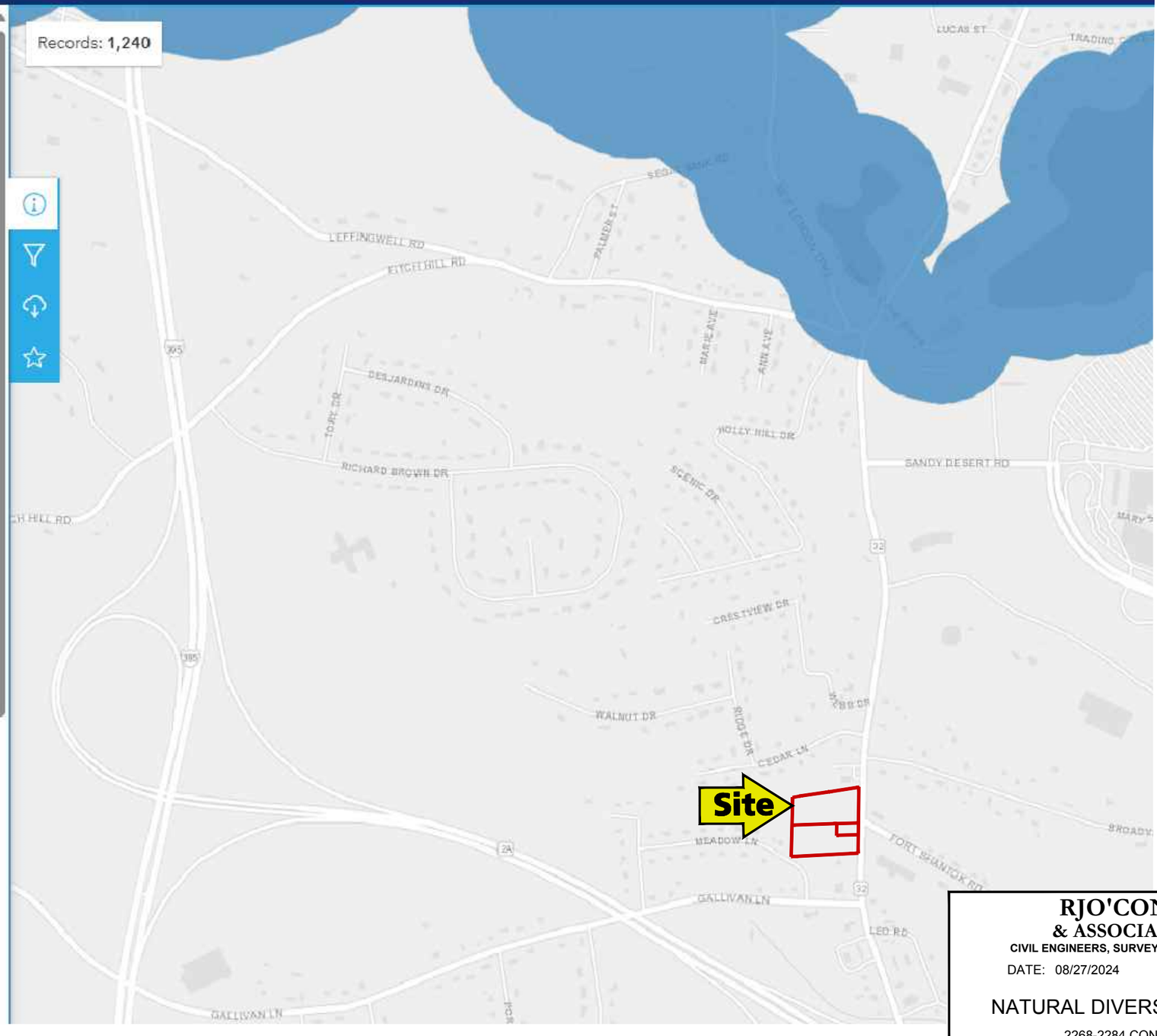
Summary

Natural Diversity Database Areas represent known locations, both historic and extant, of state and federal listed species. State listed species are those listed as Endangered, Threatened or Special Concern under the Connecticut Endangered Species Act (Connecticut General Statutes, Section 26-303 and Regulations of Connecticut State Agencies 26-303). This dataset represents over 100 years worth of field observations, scientific collections, and publications. The data have been compiled from a variety of sources and in most cases do not represent a comprehensive or state-wide survey. Sources include state biologists, university students and professors, conservation organizations and private landowners. Low accuracy reports of species at the town or county level have been excluded. Much of the state is in private ownership and has not been surveyed. Unmapped areas may represent potential habitat that has not been adequately surveyed for all taxa.

Read Less

View Full Details

Download



RJOC

RJO'CONNELL
& ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS

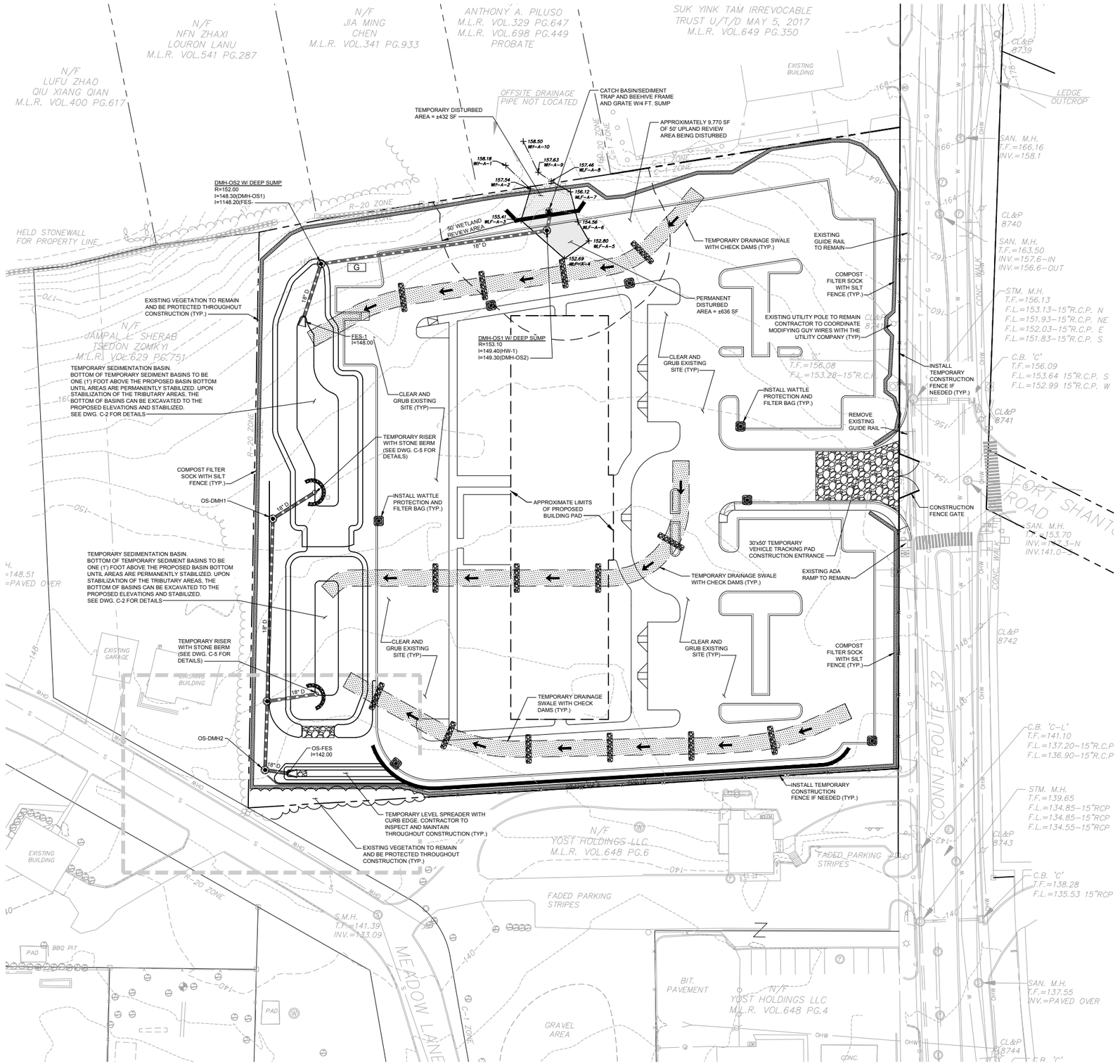
DATE: 08/27/2024 SCALE: 1"=6000'

NATURAL DIVERSITY DATABASE

2268-2284 CONN. ROUTE 32
MONTVILLE, CT

APPENDIX B - PLAN SHEETS

- **Demolition and Erosion Control Plan**
- **Demolition and Erosion Control Notes**
- **Grading and Drainage Plan**
- **Erosion Control Details**
- **Applicable Stormwater details**
- **Overall Landscape Plan**



NOTES:

1. SEE DRAWING N-1 FOR GENERAL NOTES, EROSION CONTROL NOTES, DEMOLITION NOTES, GRADING & DRAINAGE NOTES, UTILITY NOTES, AND PARKING AND TRAFFIC CONTROL SIGN SCHEDULE.
2. SEE DRAWING C-5 THROUGH C-10 FOR DETAILS.

LEGEND

- WATTLE INLET (SINGLE CB)
- WATTLE INLET (DOUBLE CB)
- EXISTING VEGETATION TO REMAIN
- EXISTING LANDSCAPE AREA TO BE REMOVED
- PROPOSED BUILDING PAD
- STRAW WATTLE
- CONSTRUCTION FENCE
- SILT FENCE
- LIMIT OF WORK

30 0 15 30 60

GRAPHIC SCALE IN FEET

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\\2268-2284 Route 32\Main\24029_C-1 Demolition and Erosion Control Plan.dwg
Sep 25, 2024 - 16:08pm

RJOC

NO.	DATE	REVISION
1.	09/20/2024	SUBMITTED TO INLAND WETLANDS COMMISSION

PREPARED BY:

RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS
80 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180
PHONE: 781.279.0180 RJOCONNELL.COM

PREPARED FOR:

HONEYCOMB REAL ESTATE PARTNERS
20 AVON MEADOW LANE
AVON, CT 06001

PROJECT NAME:

HORIZON VIEW
MONTVILLE, CT

SEAL:

DESIGNED BY:	RWS
DRAWN BY:	WJH
REVIEWED BY:	BPD/RWS
SCALE:	1" = 30'
DATE:	09/25/2024

DRAWING NAME:

DEMOLITION AND EROSION CONTROL PLAN

DRAWING NUMBER:

C-1

PROJECT NUMBER:

24029

I. GENERAL NOTES:

1. THE CONTRACTOR IS SPECIFICALLY ADVISED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES ESPECIALLY WHERE NEW UTILITIES CONNECT TO OR CROSS EXISTING, SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "CALL BEFORE YOU DIG" (1-800-922-4455 OR 811) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

2. THE EXISTING INFORMATION INCLUDING BUT NOT LIMITED TO: BOUNDARY LINE, UTILITY INFORMATION AND TOPOGRAPHY HAS BEEN TAKEN FROM PLANS ENTITLED "PROPERTY/TOPOGRAPHIC SURVEY", PREPARED BY F.A. HESKETH & ASSOCIATES, DATED SEPTEMBER 5, 2024.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL HORIZONTAL CONTROL POINTS AND VERTICAL BENCH MARKS NECESSARY FOR THE WORK.

4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY PERMITS AND/OR CONNECTION/DISCONNECTION FEES REQUIRED TO CARRY OUT THE WORK INCLUDING BUT NOT LIMITED TO DEMOLITION.

5. DISPOSAL OF ALL DEMOLISHED MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND MUNICIPAL REQUIREMENTS. NO ON-SITE BURIAL PITS ARE ALLOWED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL INFORMATION SHOWN ON THESE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE EXISTING FIELD CONDITIONS AS SHOWN ON THESE PLANS.

7. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/BUILDING PLANS FOR ITEMS SUCH AS: BUILDING LOCATIONS AND DIMENSIONS, EXIT PORCHES, TRUCK DOCKS, UTILITY PENETRATIONS AND SIDEWALK LAYOUT. THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER IN WRITING OF ANY DISCREPANCIES ENCOUNTERED.

8. ALL CONSTRUCTION DUMPSTERS SHALL BE PROPERLY MAINTAINED. ALL DUMPSTERS SHALL BE LOCATED ON A BITUMINOUS CONCRETE OR CONCRETE SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRASH DISPOSAL ON A REGULAR BASIS AND SHALL ENSURE THAT THE DUMPSTER AREAS ARE PROPERLY MAINTAINED.

9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE GENERAL UPKEEP AND ROUTINE MAINTENANCE OF THE ENTIRE SITE TO ENSURE AN AESTHETICALLY PLEASING APPEARANCE DURING ALL PHASES OF CONSTRUCTION.

10. UNLESS OTHERWISE INDICATED, AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

11. EXISTING LANDSCAPE AREAS SHALL BE KEPT FREE OF DEBRIS AND SHALL BE MAINTAINED FREE OF PHYSICAL DAMAGE. DAMAGED PLANTS SHALL BE REPLACED IN KIND.

12. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL MATERIAL AND LABOR ASSOCIATED WITH TEMPORARY TRAFFIC CONTROL DEVICES FOR ALL PHASES OF CONSTRUCTION IN ACCORDANCE WITH M.U.T.C.D. STANDARDS AND AS APPROVED BY THE OWNER'S REPRESENTATIVE.

13. NO AUTHORIZED CONSTRUCTION ACTIVITY SHALL OCCUR ON OR AFFECT ABUTTING PROPERTIES. IF THE CONTRACTOR MUST WORK ON AN ABUTTING PROPERTY, WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE OWNER OF SAID PROPERTY AND SHALL BE PROVIDED TO THE OWNER AND/OR OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK.

14. IN THE EVENT OF A HAZARDOUS LEAK AND/OR SPILL THE OWNER, OWNER'S REPRESENTATIVE AND/OR GENERAL CONTRACTOR WILL CONTACT THE DEPARTMENT OF PUBLIC HEALTH, THE FIRE DEPARTMENT, AND DEEP EMERGENCY RESPONSE AND SPILL PREVENTION AT 860-424-3388 OR 1-866--337-7745.

15. ALL TYPES OF FILL MATERIAL IMPORTED TO THE SITE MUST BE CLEAN AND SUITABLE FOR THE USE AS SPECIFIED IN THE SITE WORK SPECIFICATIONS. THE CONTRACTOR WILL PROVIDE THE OWNER'S GEOTECHNICAL ENGINEER AND/OR REPRESENTATIVE WITH RECORDS INDICATING THE TYPE, QUANTITY, ORIGIN AND SOURCE OF ANY FILL MATERIAL IMPORTED TO THE SITE.

16. AT THE COMPLETION OF THE JOB, THE CONTRACTOR SHALL PROVIDE THE OWNER AND/OR OWNER'S REPRESENTATIVE A COMPLETE SET OF AS-BUILT PLANS. THE AS-BUILT PLANS ARE TO BE PREPARED BY AND STAMPED BY A LICENSED PROFESSIONAL SURVEYOR. THE AS-BUILT PLAN WILL INCLUDE BUILDING LOCATION AND DIMENSIONS, FINISH FLOOR ELEVATIONS, LOCATION OF UTILITIES (RIM, INVERT, PIPE SIZE AND TYPE TO BE PROVIDED FOR SANITARY AND STORM DRAIN STRUCTURES), CURBING, ABOVE GRADE FEATURES, STRIPING, SIGNAGE, LANDSCAPING, ETC. AS INSTALLED.

17. THE TEST PITS AND/OR SOIL BORING LOCATIONS AS SHOWN ON DWG. C-2 WERE PERFORMED BY WHITESTONE ASSOCIATES, INC.. SOIL BORINGS AND TEST PIT EXCAVATIONS WERE TAKEN FOR THE PURPOSE OF DESIGN.

18. SITE WORK CONSTRUCTION SHALL MEET OR EXCEED MONTVILLE'S ENGINEERING AND/OR DPW SPECIFICATIONS.

19. THE CONTRACTOR SHALL NOTIFY THE TOWN AT LEAST FORTY EIGHT (48) HOURS PRIOR TO THE COMMENCEMENT OF SITE WORK CONSTRUCTION ACTIVITIES.

20. PRIOR TO THE START OF CONSTRUCTION, THE BOUNDARY OF THE WETLAND RESOURCE AREAS WITHIN THE VICINITY OF THE PROPOSED WORK AREA SHALL BE DELINEATED WITH EITHER WOODEN STAKES AND/OR FLAGGING BY A PROFESSIONAL WETLAND SCIENTIST. ONCE IN PLACE, THE WETLAND BOUNDARY MARKERS SHALL BE MAINTAINED UNTIL A CERTIFICATE OF COMPLIANCE HAS BEEN ISSUED BY THE CONSERVATION COMMISSION.

II. EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND/OR CONSTRUCTED IN ACCORDANCE WITH THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, THE CONNECTICUT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORM WATER AND DE-WATERING WATER FROM CONSTRUCTION ACTIVITIES, AND ALL LOCAL MUNICIPAL REGULATIONS.

2. EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IN PLACE AND FUNCTIONING PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION, CLEARING AND GRUBBING ACTIVITIES OR EARTHWORK OPERATIONS. LOCATION OF THE EROSION CONTROL BARRIER MUST BE STAKED BY THE SITE SURVEYOR AND/OR SITE ENGINEER, AND MUST BE INSPECTED AND VERIFIED TO THE APPROPRIATE TOWN OFFICIALS, IN WRITING, BY THE SITE SURVEYOR AND/OR SITE ENGINEER PRIOR TO CONSTRUCTION. THE EROSION CONTROL BMP'S SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL SITE WORK IS COMPLETE AND FINISHED GROUND COVER IS ESTABLISHED. ALL EROSION CONTROL BMP'S SHALL BE INSTALLED ON-SITE AND NOT ENCROACH ONTO ABUTTING PROPERTIES.

3. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AT THE SITE, THE CONTRACTOR SHALL ENGAGE AN INDIVIDUAL WITH SPECIFIC PROFESSIONAL TRAINING AND EXPERTISE IN EROSION AND SEDIMENT CONTROL. THE EROSION CONTROL MONITOR SHALL PREPARE A WEEKLY REPORT WHICH SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE SHOWN TO LOCAL, AND STATE AGENTS UPON REQUEST. THIS REPORT SHALL INDICATE THE STATUS OF THE EROSION CONTROLS AND ANY MAINTENANCE REQUIRED AND PERFORMED. THIS REPORT SHALL CONFORM TO THE REQUIREMENTS OF THE CONNECTICUT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORM WATER AND DE-WATERING WATERS FROM CONSTRUCTION ACTIVITIES AND STORM WATER POLLUTION CONTROL PLAN (SWPCP).

4. THE PROJECT REQUIRES AN PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PERFORM ALL WORK INCLUDING BUT NOT LIMITED TO INSTALLATION, INSPECTIONS, CLEANING, REPAIRING, ETC. OF EROSION CONTROL MEASURES INSTALLED IN ACCORDANCE WITH THE STORMWATER POLLUTION CONTROL PLAN (SWPCP).

5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY AND CLEANED, REPAIRED OR REPLACED AS NECESSARY THROUGH-OUT CONSTRUCTION. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AFTER EACH STORM EVENT AS OUTLINED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).. REFER TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR DETAILS REGARDING THE TYPE, INSTALLATION, INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.

6. THE CONTRACTOR SHALL BE AWARE THAT SOIL AT THIS SITE IS PARTICULARLY SUSCEPTIBLE TO SOIL EROSION AND SENSITIVE TO ITS CONSEQUENCES. IT SHOULD BE NOTED THAT THE EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS DEPICT THE MINIMUM REQUIRED AND ARE REPRESENTATIVE OF A SINGLE PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITING, RELOCATION AND AUGMENTATION OF EROSION CONTROL BMP'S AS THE PROJECT PROGRESSES AND SITE CONDITIONS CHANGE.

7. THE LIMIT OF WORK LINE FOR THE SITE TO BE CLEARED AND GRUBBED SHALL BE WITH SAME AS THE LIMIT OF WORK LINE NECESSARY FOR GRADING PURPOSES (I.E. THE GRADING LIMITS AROUND THE PERIMETER OF THE PROJECT AREA).

8. THE CONTRACTOR SHALL KEEP ON-SITE, AT ALL TIMES, ADDITIONAL WATTLES, FILTER BAGS, SILT FENCE, ETC. FOR INSTALLATION TO MITIGATE ANY EMERGENCY CONDITION.

9. THE PROPOSED ON-SITE DRAINAGE SYSTEM SHALL BE INSTALLED AS SOON AS PRACTICABLE AND ALL INLETS PROTECTED WITH FILTER BAGS (SEE DETAIL). NO SEDIMENT SHALL BE ALLOWED TO ENTER THE ON-SITE OR OFF-SITE DRAINAGE SYSTEM AT ANY TIME.

10. EARTHWORK ACTIVITIES ON SITE SHALL BE PERFORMED IN SUCH A MANNER THAT DIRECTS RAINFALL RUNOFF TO THE APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICE (BMP'S) AS DEPICTED ON DRAWING C-1 TITLED DEMOLITION AND EROSION CONTROL PLAN.

11. STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETER WITH STAKED WATTLES AND/OR SILTATION FENCING TO PREVENT AND/OR TO CONTROL SILTATION AND EROSION. THE LOCATION OF THE STOCKPILE MAY BE MOVED AS APPROVED BY THE EROSION CONTROL MONITOR. STOCKPILES SHALL BE COVERED SO THAT STORMWATER CANNOT INFILTRATE MATERIALS AND THEREBY RENDER THE MATERIAL UNSUITABLE FOR USE AS FILL.

12. THE CONSTRUCTION ENTRANCE/EXIT AREA TO AND FROM THE SITE SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND DISCHARGE OF SEDIMENT OFF-SITE. ALL SEDIMENT SPILLED, DROPPED, TRACKED OR OTHERWISE DEPOSITED ON THE PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY.

13. ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION SHALL BE STABILIZED WITH MULCH OR SEEDED FOR TEMPORARY VEGETATIVE COVER WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE TEMPORARILY BEEN SUSPENDED FOR MORE THAN THIRTY (30) DAYS. WHEN FINAL GRADES ARE ACHIEVED IN ANY PORTION OF THE SITE, STABILIZATION MEASURES SHALL BE IMPLEMENTED WITHIN SEVEN (7) DAYS. ALL DISTURBED AREAS ON-SITE MUST BE PERMANENTLY STABILIZED AS SHOWN ON THE SITE LANDSCAPE PLAN. PERMANENT STABILIZATION MUST BE UNIFORM AND COMPLETE. AREAS WHICH REMAIN DISTURBED BUT INACTIVE FOR AT LEAST FOURTEEN (14) DAYS SHALL RECEIVE TEMPORARY SEEDING IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. IN ALL CASES, STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. THE EROSION CONTROL BARRIER MUST BE MAINTAINED UNTIL SITE VEGETATION IS STABILIZED AND INSPECTED BY THE OWNER'S REPRESENTATIVE FOR SITE COMPLIANCE.

14. ANY DE-WATERING ACTIVITIES SHALL BE IN ACCORDANCE WITH SWPCP AND DISCHARGE TO A TEMPORARY BASIN, SETTLING TANK OR OTHER MEASURE TO ALLOW SETTLING OF SEDIMENT BEFORE RELEASE TO THE DRAINAGE SYSTEM. A DEWATERING PIT MUST BE CONSTRUCTED A MINIMUM DISTANCE OF FIFTY (50) FEET ON THE UPLAND SIDE FROM THE EROSION CONTROL BARRIER. LOCATION TO BE CONFIRMED BY THE SITE ENGINEER.

15. ALL PROPOSED SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH A CURLEX EROSION CONTROL MATTING MANUFACTURED BY AMERICAN EXCELSIOR COMPANY (OR ENGINEER APPROVED EQUAL) AND PROTECTED FROM EROSION. ADDITIONALLY, THESE AREAS ARE TO BE HYDROSEEDED.

16. THE CONTRACTOR SHALL CONSTRUCT AT THE END OF EACH WORK DAY A TEMPORARY DIVERSION SWALE WHICH OUTLETS INTO A TEMPORARY SEDIMENT BASIN. THE TEMPORARY DIVERSION SWALE SHALL BE RELOCATED AS REQUIRED TO ACCOMMODATE EARTH WORK ACTIVITIES PERFORMED. CONTRACTOR TO INSPECT, MAINTAIN AND CLEAN TEMPORARY DIVERSION SWALE AND BASIN AS OUTLINED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE NPDES PERMIT REQUIREMENTS.

17. THE LOCATION OF TEMPORARY DRAINAGE SWALES AND SEDIMENTATION TRAPS SHALL BE RELOCATED AS REQUIRED AS CONSTRUCTION PROGRESSES.

18. FILTER BAGS AND/OR HAYBALE/WATTLE DIKES ARE TO BE INSTALLED AT ALL NEW AND EXISTING CATCH BASINS AS INDICATED ON DWG. C-1, AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED. FILTER BAGS AND/OR HAYBALE DIKES ARE TO BE MAINTAINED AS OUTLINED IN THE STORM WATER POLLUTION CONTROL PLAN (SWPCP). NO SEDIMENT SHALL BE ALLOWED TO ENTER THE ON-SITE OR OFF-SITE DRAINAGE SYSTEMS AT ANY TIME.

19. TO MINIMIZE THE MIGRATION OF DUST AND SILT FROM THE CONSTRUCTION SITE, THE FOLLOWING MEASURES SHALL BE IMPLEMENTED AS REQUIRED:
    - SPRAY DISTURBED AREAS WITH WATER DURING DRY AND WINDY DAYS
    - WASH WHEELS OF VEHICLES BEFORE LEAVING THE SITE
    - PERIODICALLY CLEAN SURROUNDING ROADWAYS NEAR THE ENTRANCE TO THE SITE
    - ALL VEHICLES HAULING MATERIAL TO AND FROM THE SITE SHALL PLACE SECURE COVERS OVER THEIR LOADS

20. THE CONTRACTOR SHALL ANTICIPATE AND MODIFY EROSION CONTROL MEASURES BASED ON PAST, CURRENT AND FORECASTED WEATHER CONDITIONS, SEASON AND ANTICIPATED FUTURE CONSTRUCTION ACTIVITIES.

21. UPON COMPLETION OF ALL SITE WORK CONSTRUCTION, THE SITE CONTRACTOR SHALL INSPECT ALL EROSION CONTROLS, ON-SITE CATCH BASINS AND PARTICLE SEPARATORS AND REMOVE ALL SEDIMENT AND TRASH DEBRIS THAT HAS ACCUMULATED WITHIN SAID BMP'S AND STRUCTURES DURING THE COURSE OF CONSTRUCTION. ALL ON-SITE CATCH BASINS AND PARTICLE SEPARATORS SHALL BE PUMPED 'DRY' AT THE CONCLUSION OF SITEWORK ACTIVITIES.

22. PRIOR TO THE START OF ANY AUTHORIZED ACTIVITY THE GENERAL CONTRACTOR SHALL PREPARE A DUST CONTROL PLAN. THE DUST CONTROL PLAN WILL OUTLINE MEASURES TO CONTROL AND MITIGATE DUST DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION AND IN ALL TYPES OF WEATHER CONDITIONS. THE DUST CONTROL PLAN SHALL BE IMPLEMENTED DURING ALL PHASES OF CONSTRUCTION AND WILL CONTINUE UNTIL PROJECT COMPLETION.

23. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM TEMPORARY SEDIMENT BASIN WHEN THEY ARE 25% FULL. ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS AT THE COMPLETION OF THE PROJECT. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

24. WINTER CONSTRUCTION AND STABILIZATION: THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 THROUGH APRIL 15

    SEDIMENT BARRIERS: DURING FROZEN CONDITIONS, SEDIMENT BARRIERS MAY CONSIST OF EROSION CONTROL MIX BERMS OR ANY OTHER RECOGNIZED SEDIMENT BARRIERS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES OR SILT FENCES.

    MULCHING: ALL AREAS SHALL BE CONSIDERED UNSTABLE UNTIL SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1000 SF OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE) AND SHALL BE PROPERLY ANCHORED. EROSION CONTROL MIX MUST BE APPLIED WITH A MINIMUM 4 INCH THICKNESS. MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW WILL BE REMOVED DOWN TO A 1-INCH DEPTH OR LESS PRIOR TO APPLICATION. AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED OR ADEQUATELY ANCHORED SO THAT GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH. BETWEEN NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER MULCH NETTING, ASPHALT EMULSION CHEMICAL, OR WOOD CELLULOSE FIBER. THE COVER WILL BE CONSIDERED SUFFICIENT WHEN THE GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH. AFTER NOVEMBER 1ST, MULCH AND ANCHORING OF ALL EXPOSED SOIL SHALL OCCUR AT THE END OF EACH WORKDAY DURING FINAL GRADING ACTIVITIES.

    SOIL STOCKPILING: STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR WITH A 4-INCH LAYER OF EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND REESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL.

    SEEDING: BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES FINISHED AREAS SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOOMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. DORMANT SEEDING MAY BE PLACED PRIOR TO THE PLACEMENT OF MULCH OR EROSION CONTROL BLANKETS. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4" OF LOAM AND SEED AT AN APPLICATION RATE OF 5 LBS/1000 SF. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE RE-VEGETATED IN THE SPRING.

    WINTER STABILIZATION OF DITCHES AND CHANNELS: ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL GRASS-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. IF A DITCH OR CHANNEL IS NOT GRASS-LINED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE DITCH:
    INSTALL A SOD LINING IN THE DITCH: A DITCH MUST BE LINED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES: PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD ONTO AND UNDERLYING SOIL, WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORING SOD AT THE BASE OF THE DITCH WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD FROM SLOUGHING DURING FLOW CONDITIONS.
    STALL A STONE LINING IN THE DITCH: A DITCH MUST BE LINED WITH STONE RIP RAP BY NOVEMBER 15. CONTACT REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH.

    WINTER STABILIZATION OF DISTURBED SLOPES: ALL STONE-COVERED SLOPES GREATER THAN 15% MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. AND ALL SLOPES TO BE VEGETATED MUST BE SEEDED AND MULCHED BY SEPTEMBER 1. IF A SLOPE TO BE VEGETATED IS NOT STABILIZED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SLOPE.
    TEMPORARY VEGETATION AND EROSION CONTROL MATS: BY OCTOBER 1 THE DISTURBED SLOPE MUST BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 LBS PER 1000 SF AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED MULCH OVER THE SEEDING. IF THE RYE FAILS TO GROW AT LEAST 3 INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 1, THEN THE CONTRACTOR WILL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX OR WITH STONE RIP RAP.
    SOD: THE DISTURBED SLOPE MUST BE STABILIZED WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
    EROSION CONTROL MIX: EROSION CONTROL MIX MUST BE PROPERLY INSTALLED BY NOVEMBER 15. THE CONTRACTOR WILL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
    STONE RIP RAP: PLACE A LAYER OF STONE RIP RAP ON THE SLOPE BY NOVEMBER 15. CONTACT THE PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIP RAP.

    WINTER STABILIZATION OF DISTURBED SOILS: BY SEPTEMBER 15, ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15% MUST BE SEEDED AND MULCHED. IF THE DISTURBED AREAS ARE NOT STABILIZED BY THIS DATE, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN:
    TEMPORARY VEGETATION: BY OCTOBER 1, SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 LBS PER 1000 SF, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SF, AND ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST 3 INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 1, THEN MULCH THE AREA FOR WINTER PROTECTION AS DESCRIBED BELOW.
    SOD: STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.
    MULCH: BY NOVEMBER 15, MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 LBS PER 1000 SF ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

III. DEMOLITION NOTES:

1. PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES, ON-SITE EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON DRAWING C-1 MUST BE INSTALLED AND APPROVED BY THE OWNER'S REPRESENTATIVE.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL UTILITY SERVICES TO EXISTING STRUCTURE(S) MAY NOT BE SHOWN. CONTRACTOR TO VERIFY UTILITY LOCATIONS VIA "CALL BEFORE YOU DIG" PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION ACTIVITY. EXISTING WATER AND SEWER SERVICES WILL BE CUT AND CAPPED AT THE MAIN IN ACCORDANCE WITH THE DPW STANDARDS. EXISTING GAS, ELECTRICAL AND TELEPHONE SERVICES WILL BE REMOVED PER UTILITY COMPANY SPECIFICATIONS. ALL UTILITIES SERVICING BUILDING(S) WILL BE DECOMMISSIONED PRIOR TO THE COMMENCEMENT OF DEMOLITION ACTIVITIES.

3. ANY REUSE OF EXISTING GRANULAR PAVEMENT SUBBASE MATERIAL AND EXCAVATED MATERIAL SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING ALL EXISTING AND NEW DRAINAGE AND UTILITIES TO REMAIN AND/OR BE CONSTRUCTED.

5. DURING ON-SITE DEMOLITION WORK, STORMWATER RUNOFF SHALL BE CONTROLLED AND DIRECTED TOWARD TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS SHOWN ON DWG. C-1.

6. SITE CONTRACTOR SHALL REMOVE EXISTING STRUCTURES INDICATED TO BE DEMOLISHED, INCLUDING BUT NOT LIMITED TO FOUNDATIONS, UTILITIES, BUILDING RELATED APPURTENANCES, LANDSCAPED BEDS, BITUMINOUS PAVEMENT AND ALL OTHER UNSUITABLE MATERIAL TO FIRM NATURAL GROUND AND TO A HORIZONTAL DISTANCE OF TEN (10') FEET BEYOND THE PROPOSED BUILDING LINE.

7. IF GROUNDWATER IS ENCOUNTERED DURING THE REMOVAL OF UNSUITABLE MATERIALS, THE CONTRACTOR SHALL LIMIT THE SIZE OF THE EXCAVATION TO THAT WHICH CAN BE ADEQUATELY MANAGED BY THE CONTRACTOR'S CHOSEN DEWATERING METHOD.

IV. GRADING AND DRAINAGE NOTES:

1. SITE GRADING ACTIVITIES SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVED BY THE OWNER'S REPRESENTATIVE AND/OR ENGINEER.

2. THE EXISTING UTILITIES SHOWN HEREON SHALL BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL VERIFY VIA TEST PIT EXCAVATION THE LOCATION AND ELEVATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF DISCREPANCIES ENCOUNTERED IN THE FIELD.

3. ALL PROPOSED STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) AND STRUCTURES SHALL BE PRECAST CONCRETE UNLESS NOTED OTHERWISE. HIGH DENSITY POLYETHYLENE PIPE (HDPE) SHALL CONFORM TO AASHTO DESIGNATIONS M294 AND M252, AND SHALL BE N-12 PIPE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS (ADS) OR APPROVED EQUAL. PIPE JOINTS SHALL BE INTEGRAL BELL AND SPIGOT, SOIL TIGHT (ST) WITH FACTORY INSTALLED, O-RING RUBBER GASKETS CONFORMING TO ASTM F477.

4. ALL CATCH BASINS AND OTHER DRAINAGE STRUCTURES TO BE INSTALLED NEW, REPLACED, OR RECONSTRUCTED SHALL CONFORM TO CURRENT CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT) STANDARDS. ALL NEW CATCH BASINS SHALL BE EQUIPPED WITH APPROPRIATELY SIZED "TEE" OR HOODS AND A FOUR (4') FOOT SUMP.

5. ALL MANHOLES, CATCH BASINS AND PARTICLE SEPARATORS SHALL BE PUMPED "DRY" AND CLEANED AT THE END OF CONSTRUCTION. SEDIMENT AND OTHER POLLUTANTS SHALL BE REMOVED OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

6. EXISTING PIPES AND/OR CULVERTS THAT ARE TO REMAIN WITHIN THE LIMIT OF WORK AREA SHALL BE CLEANED OF ANY DEBRIS AND/OR SEDIMENTATION. SEDIMENTATION AND OTHER POLLUTANTS SHALL BE REMOVED OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

7. ALL PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL MEET HEAVY-DUTY TRAFFIC (H20) LOADING AND BE INSTALLED IN ACCORDANCE WITH CTDOT AND/OR MONTVILLE SPECIFICATIONS.

8. RIP-RAP SPLASH APRONS SHALL BE PROVIDED AT ALL STORM WATER DISCHARGE POINTS AS SHOWN ON THE DRAWINGS.

9. ALL ROOF DRAIN CONNECTIONS SHALL BE INSTALLED TO A POINT TEN (10') FEET FROM THE BUILDING WALL UNLESS OTHERWISE NOTED OR DETAILED.

V. UTILITY NOTES:

A. GENERAL NOTES

1. PRIOR TO THE START OF ANY AUTHORIZED ACTIVITY THE SITE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE TOWN OF MONTVILLE. THE CONTRACTOR SHALL OBTAIN FINAL CERTIFICATIONS AND/OR SIGN OFFS UPON MUNICIPALITY AND/OR UTILITY PROVIDER ACCEPTANCE OF WORK WITH COPIES OF FINAL ACCEPTANCE DOCUMENTATION PROVIDED TO THE OWNER.

2. THE SITE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND/OR CONNECTION FEES REQUIRED FOR THE INSTALLATION OF ALL SITE UTILITIES.

3. DUE TO THE SCALE OF THE SITE WORK DRAWINGS, EXACT LOCATION OF UTILITY STUBS FOR BUILDING CONNECTIONS SHALL BE VERIFIED WITH THE BUILDING DRAWINGS. SERVICE STUBS TO THE BUILDINGS SHALL BE INSTALLED TO A POINT TEN FEET (10') FROM THE BUILDING WALL UNLESS OTHERWISE NOTED OR DETAILED AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END.

4. ALL UTILITIES, PIPE MATERIALS, STRUCTURES, AND INSTALLATION METHODS, SHALL CONFORM TO THE TOWN OF MONTVILLE'S DPW/ENGINEERING DEPARTMENT STANDARDS AND REQUIREMENTS, UNLESS OTHERWISE NOTED OR DETAILED.

5. DIMENSIONS ARE SHOWN TO CENTERLINE OF PIPE OR FITTING.

6. UTILITY CONTRACTOR MUST BE LICENSED TO PERFORM WORK IN THE MUNICIPALITY.

7. ALL REQUIRED UTILITY CROSSING ENCASEMENTS (CONCRETE) SHALL EXTEND TEN FEET (10') FROM EITHER SIDE OF THE CROSSING.

8. EXISTING STRUCTURES, LIGHT POLE BASES, CONDUIT AND FIXTURES TO BE REMOVED ARE TO BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

9. EXISTING UTILITY CASTINGS INDICATED TO REMAIN SHALL BE RESET TO FINISHED GRADE AS REQUIRED AND SHOWN ON DWG. C-2 GRADING AND DRAINAGE PLAN, AND C-3 UTILITY PLAN.

10. DETECTABLE WARNING TAPE SHALL BE INSTALLED A MINIMUM ONE (1') FOOT ABOVE THE UTILITY IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANY'S REQUIREMENTS.

B. WATER NOTES

1. ALL WATER MAIN APPURTENANCES, MATERIALS, METHODS OF INSTALLATION AND TESTING REQUIREMENTS SHALL MEET OR EXCEED THE TOWN OF MONTVILLE'S WATER DEPARTMENT'S STANDARDS.

2. ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 5'-0" AND MAXIMUM OF 6'-0" OF COVER EXCEPT AS NOTED OR DETAILED OTHERWISE. GREATER DEPTHS ARE PERMITTED WHERE REQUIRED TO AVOID CONFLICTS WITH OTHER UTILITIES. DETECTABLE WARNING TAPE TO BE INSTALLED ABOVE THE WATER MAIN IN ACCORDANCE WITH THE WATER DEPARTMENT'S REQUIREMENTS.

3. GENERALLY, WATER MAIN FITTINGS IDENTIFIED ON THIS DRAWING ARE SHOWN FOR INSTALLATION LOCATION PURPOSES. THE CONTRACTOR SHALL NOTE THAT NOT ALL FITTINGS ARE NOTED, SHOWN OR INDICATED.

4. ALL POTABLE WATER MAINS 3" OR LARGER SHALL BE CEMENT LINED DUCTILE IRON PIPE CLASS 52 AND SHALL BE INSTALLED WITH APPROPRIATELY SIZED FITTINGS AND GATE VALVES. FITTINGS SHALL BE MECHANICAL JOINT, DUCTILE IRON CLASS 350 WITH RESTRAINT DEVICES (MEGALUG) AS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL.

5. DOMESTIC WATER SERVICES 2-1/2" AND SMALLER SHALL BE TYPE K COPPER TUBING AND SHALL BE INSTALLED WITH APPROPRIATELY SIZED CORPORATION STOP, APPROVED SADDLE, CURB STOP AND BOX.

6. A MINIMUM DISTANCE OF TEN (10) FEET CLEAR HORIZONTALLY SHALL BE MAINTAINED BETWEEN SANITARY SEWER MAINS AND WATER MAINS. WHENEVER CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10) FEET TO A WATER MAIN, THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH AND THE ELEVATION OF THE CROWN OF THE SEWER SHALL BE AT LEAST EIGHTEEN (18) INCHES BELOW THE INVERT OF THE WATER MAIN. A MINIMUM OF EIGHTEEN (18") INCHES VERTICAL CLEARANCE SHALL BE MAINTAINED WHERE WATER MAINS CROSS STORM DRAIN LINES.

7. MAINTAIN A MINIMUM SEPARATION OF THREE FEET (3') BETWEEN GAS AND WATER MAINS (MEASURED FROM THE CENTER OF THE PIPE).

8. ALL HYDRANTS SHALL MEET THE TOWN OF MONTVILLE'S WATER, UTILITY, AND FIRE DEPARTMENT REQUIREMENTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE WATER AND FIRE DEPARTMENT REQUIREMENTS

9. ALL NEW GATE VALVES INSTALLED FOR THIS PROJECT SHALL OPEN AS REQUIRED BY THE TOWN OF MONTVILLE.

10. ALL WATER MAIN FITTINGS, TEES, HYDRANTS, ETC. SHALL BE RESTRAINED WITH APPROPRIATELY SIZED THRUST BLOCKS OR MECHANICAL JOINT RESTTRAINTS.

11. WATER METERS AND BACK FLOW PREVENTERS SHALL BE LOCATED WITHIN THE BUILDING. ALL BACKFLOW PREVENTERS SHALL BE REGISTERED WITH THE DEPARTMENT OF PUBLIC WORKS.

12. PRESSURE AND LEAKAGE TEST, DISINFECTION AND FLUSHING SHALL BE IN ACCORDANCE WITH THE TOWN'S WATER UTILITY REQUIREMENTS. IN THE ABSENCE OF STANDARDS, THEY SHALL CONFORM TO THE REQUIREMENTS IN THE SITEWORK SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS IN CONNECTION WITH UTILITY TESTS, FLUSHING AND INSPECTIONS AS REQUIRED BY THE TOWN'S WATER UTILITY. COPIES OF TEST RESULTS SHALL BE SUBMITTED TO THE WATER DEPARTMENT.

C. SEWER NOTES

13. ALL GRAVITY SEWER PIPE SHALL BE POLYVINYL CHLORIDE PIPE (P.V.C.), S.D.R. 35 AND SHALL CONFORM WITH ASTM-D3034 UNLESS NOTED OTHERWISE.

14. WHERE SANITARY SEWERS CROSS WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST EIGHTEEN INCHES BELOW THE INVERT OF THE WATER MAIN. IF THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THIS REQUIREMENT, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR CONSTRUCTED WITH MECHANICAL JOINT PIPE FOR A DISTANCE OF TEN FEET (10') ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHALL BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IF MECHANICAL JOINT PIPE IS NOT USED THEN BOTH THE WATER MAIN AND SANITARY SEWER SHALL BE ENCASED IN CONCRETE FOR A MINIMUM DISTANCE OF TEN (10') FEET FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.

15. ALL SEWER MAIN APPURTENANCES, MATERIALS, METHODS OF INSTALLATION AND TESTING REQUIREMENTS SHALL MEET OR EXCEED THE TOWN'S SEWER DEPARTMENT'S STANDARDS.

16. SANITARY SEWER SERVICE TO THE BUILDING WILL END TEN FEET (10') OUTSIDE THE BUILDING LIMITS AS SHOWN ON THE PLANS AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END.

17. DETECTABLE WARNING TAPE TO BE INSTALLED A MINIMUM ONE (1') FOOT ABOVE SEWER MAIN AND IN ACCORDANCE WITH THE MUNICIPALITY'S SEWER DEPARTMENT'S REQUIREMENTS.

18. ALL SANITARY SEWER MANHOLE FRAME AND COVERS ARE TO BE HEAVY DUTY DESIGNED FOR H-20 LOADING.

19. ALL NEW SEWER MAINS AND ASSOCIATED MANHOLES SHALL BE TESTED FOR WATER TIGHTNESS IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION.

D. GAS NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT, EXCAVATION AND BACKFILLING OF GAS MAIN TRENCH. EXCAVATION AND BACKFILLING REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE GAS COMPANY REQUIREMENTS.

2. THE GAS TRENCH SHALL BE LAID OUT SO AS TO PROVIDE A MINIMUM OFFSET OF THIRTY-SIX (36) INCHES FROM OTHER UTILITIES. NO TRENCHING SHALL BE STARTED UNTIL AN ON-SITE MEETING HAS BEEN HELD BETWEEN THE EXCAVATING CONTRACTOR AND GAS COMPANY PERSONNEL. PRIOR TO THE MEETING, THE EXCAVATING CONTRACTOR MUST NOTIFY DIG SAFE OF THE PROPOSED WORK. THE FOLLOWING SHALL BE CONFIRMED AT THE MEETING:

    A. THE EXCAVATING CONTRACTOR MUST PAD THE TRENCH BOTTOM WITH SIX (6) INCHES OF SAND AND MUST PROVIDE SAND SUFFICIENT TO PROVIDE A MINIMUM OF (6) INCHES OF COVER ABOVE THE GAS PIPE.

    B. THE ROUTE OF THE TRENCH.

    C. MINIMUM FOOTAGE OF THE TRENCH TO BE OPENED BEFORE GAS COMPANY MOBILIZES CREWS TO START INSTALLING THE GAS PIPE.

    D. MINIMUM TWO (2) WEEK NOTICE REQUIRED FOR GAS COMPANY TO START INSTALLING PIPE.

VI. PARKING AND TRAFFIC CONTROL NOTES:

1. ACCESSIBLE PARKING SPACES SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (A.D.A.) ACCESSIBILITY GUIDELINES AND THE LATEST EDITIONS UNLESS OTHERWISE NOTED.

3. VAN ACCESSIBLE HANDICAP PARKING SPACES SHALL BE SIGNED AS "VAN ACCESSIBLE" PER A.D.A. (SEE 4.1.2.5B).

4. ALL PROPOSED CURBING SHALL BE BITUMINOUS BERM CURBING, UNLESS OTHERWISE NOTED. ALL SIDEWALKS SHALL BE MONOLITHIC CURB AND SIDEWALK.

5. ALL PAVEMENT STRIPING SHALL BE PAINTED WITH 2 COATS OF PAINT. PARKING STALLS SHALL BE MARKED WITH FOUR (4") INCH WIDE PAINTED LINES.

6. PARKING AND TRAFFIC CONTROL PLAN IS SCHEMATIC AND FOR LOCATION OF MARKINGS ONLY. SPECIFIC DETAILS OF PAVEMENT MARKINGS ARE PROVIDED AS PART OF THIS PLAN SET.

7. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/BUILDING PLANS FOR EXACT BUILDING LOCATIONS, BUILDING DIMENSIONS, EXACT UTILITY ENTRANCE LOCATIONS, TRUCK DOCKS, BUILDING SIDEWALKS AND DOOR LOCATIONS.

8. FOR PAVEMENT SECTION SEE DWG. C-8.

9. ALL LIMITS OF PAVEMENT SHALL BE CURBED UNLESS NOTED OR INDICATED OTHERWISE.

10. THE CONTRACTOR SHALL ADJUST ALL UTILITY CASINGS TO THE PROPER LINE AND ELEVATION PRIOR TO THE PLACEMENT OF THE TOP COURSE OF PAVEMENT. NECESSARY ADJUSTMENTS SHALL BE MADE TO CASTINGS IF REQUIRED, TO MAKE THEM FLUSH WITH FINISHED GRADE. NO DEPRESSIONS OR MOUNDS TO ACCOMMODATE CASTINGS WILL BE PERMITTED.

11. ALL ACCESSIBLE CURB RAMPS SHALL BE CONSTRUCTED OF CEMENT CONCRETE AND COMPLY WITH A.D.A. REQUIREMENTS.

TRAFFIC CONTROL SIGN SCHEDULE

SIGN NUMBER	SIGN	SIZE OF SIGN		BACKGROUND	LEGEND	BORDER	MOUNT TYPE	MOUNT SIZE
		WIDTH	HEIGHT					
R1-1	STOP	30"	30"	RED	WHITE	WHITE	CHANNEL	7'-0"
R3-7(L)	LEFT LANE MUST TURN LEFT	30"	30"	WHITE	BLACK	BLACK	CHANNEL	7'-0"
R3-7(R)	RIGHT LANE MUST TURN RIGHT	30"	30"	WHITE	BLACK	BLACK	CHANNEL	7'-0"
R7-8	HANDICAPPED PARKING	12"	18"	BLUE	WHITE	-	CHANNEL	7'-0"
R7-8A	VAN ACCESSIBLE	12"	6"	BLUE	WHITE	-	CHANNEL	6'-6"
X-1	VISITOR PARKING ONLY	12"	18"	WHITE	BLACK	BLACK	CHANNEL	7'-0"

RJOC

NO.	REVISION	DATE
1.	SUBMITTED TO INLAND WETLANDS COMMISSION	09/25/2024

PREPARED BY:
RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS
80 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180
PHONE: 781.279.0180 RJOCONNELL.COM

PREPARED FOR:
HONEYCOMB REAL ESTATE PARTNERS
20 AVON MEADOW LANE
AVON, CT 06001

PROJECT NAME:
HORIZON VIEW
MONTVILLE, CT

SEAL:

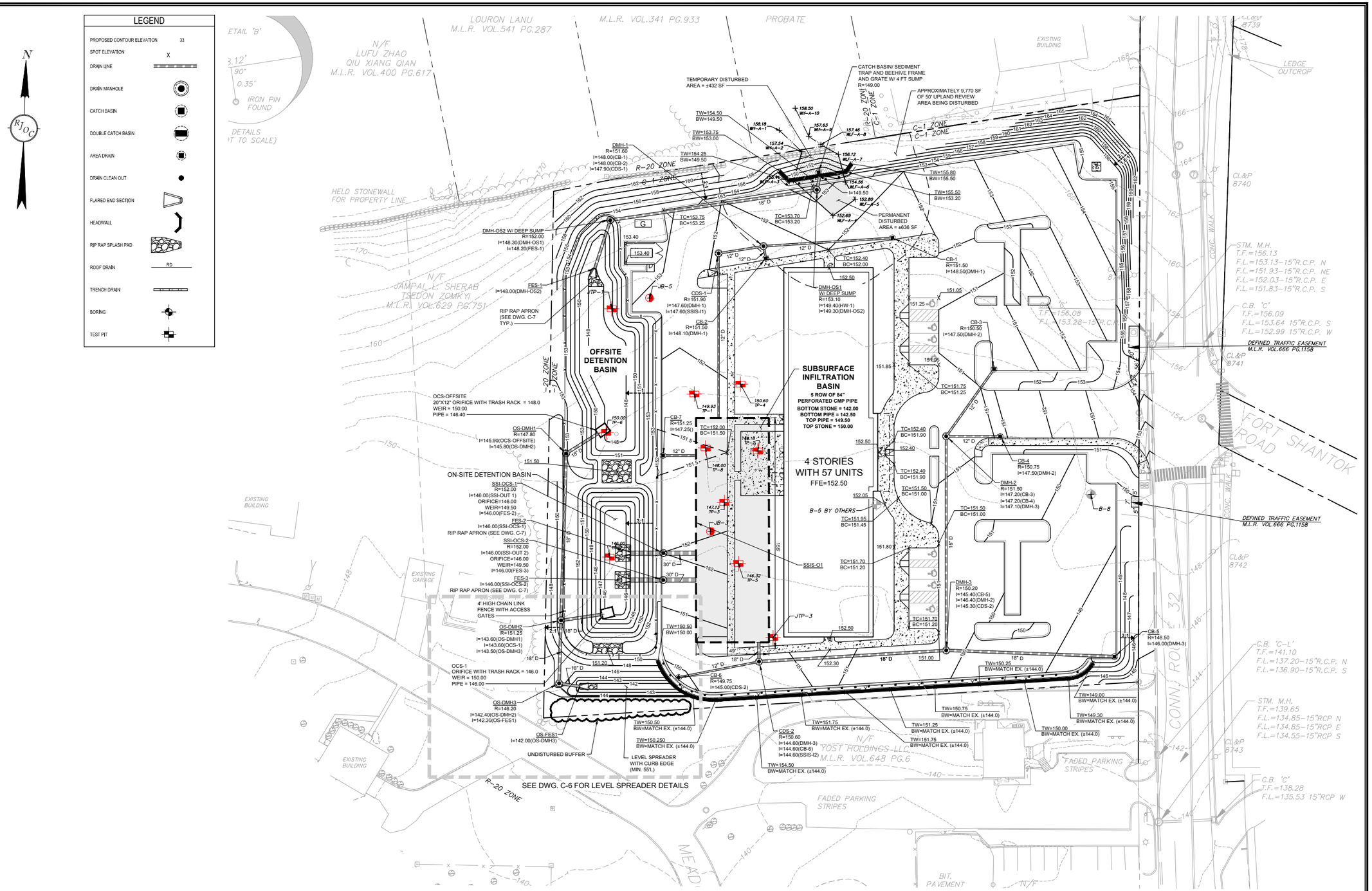
DESIGNED BY: RWS
DRAWN BY: WJH
REVIEWED BY: BPD/RWS
SCALE: NOT TO SCALE
DATE: 09/25/2024

DRAWING NAME:
GENERAL NOTES

DRAWING NUMBER: N-1

PROJECT NUMBER: 24029

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Main\24029_N-1 Notes and Legends.dwg
Sep 25, 2024 - 16:10pm



NOTES:

1. SLOPES STEEPER THAN 3:1 REQUIRE EROSION CONTROL MATTING FOR STABILIZATION.
2. SEE DRAWING N-1 FOR GENERAL NOTES, EROSION CONTROL NOTES, DEMOLITION NOTES, GRADING & DRAINAGE NOTES, UTILITY NOTES, AND PARKING AND TRAFFIC CONTROL SIGN SCHEDULE.
3. SEE DRAWING C-5 THROUGH C-10 FOR DETAILS.

30 0 15 30 60
GRAPHIC SCALE IN FEET

RJOC

NO.	REVISION	DATE
1.	SUBMITTED TO INLAND WETLANDS COMMISSION	09/27/2024

PREPARED BY:
RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS
80 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180
PHONE: 781.279.0180 RJOCONNELL.COM

PREPARED FOR:
HONEYCOMB REAL ESTATE PARTNERS
20 AVON MEADOW LANE
AVON, CT 06001

PROJECT NAME:
HORIZON VIEW
MONTVILLE, CT

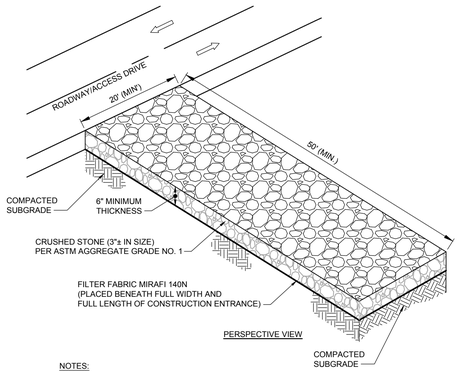
SEAL:

DESIGNED BY:	MAP/RWS
DRAWN BY:	WJH
REVIEWED BY:	BPD/RWS
SCALE:	1" = 30'
DATE:	09/25/2024

DRAWING NAME:
GRADING AND DRAINAGE PLAN

DRAWING NUMBER:
C-2

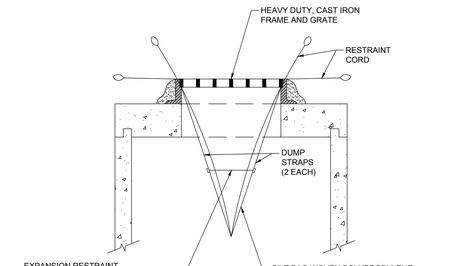
PROJECT NUMBER:
24029



NOTES:

1. ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY.
2. WHEN THE ENTRANCE PAD BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED WITH THE COLLECTED SOIL MATERIAL, REGRADED, STABILIZED AND THE CONSTRUCTION ENTRANCE RECONSTRUCTED.

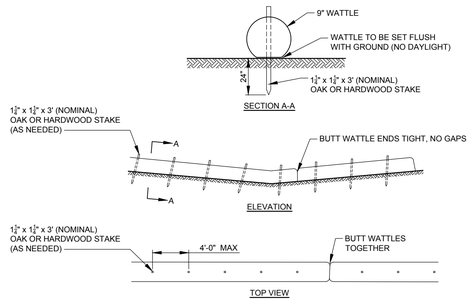
CONSTRUCTION ENTRANCE
SCALE: N.T.S.



NOTES:

1. INSTALL SILT SACK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. SILT SACK SHALL BE INSPECTED AND CLEANED PER THE INSPECTION REQUIREMENTS AS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IN THE ABSENCE OF A SWPPP, SILT SACK SHALL BE CLEANED WHEN THE EXPANSION RESTRAINT CORD IS NO LONGER VISIBLE.
3. REMOVE SILT BAG PER MANUFACTURER'S INSTRUCTIONS.

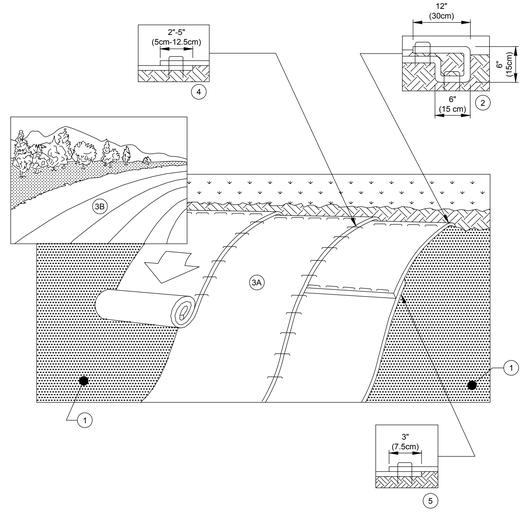
TYPICAL FILTER BAG DETAIL
SCALE: N.T.S.



NOTES:

1. WATTLES SHALL BE A MACHINE PRODUCED TUBE THAT IS 100% STRAW FIBER THAT IS CERTIFIED WEED FREE FORAGE.
2. THE NETTING SHALL CONSIST OF SEAMLESS HIGH DENSITY POLYETHYLENE AND ETHYL VINYL ACETATE AND CONTAIN ULTRA VIOLET INHIBITORS.
3. WATTLE BARRIER TO BE INSPECTED PER THE INSPECTION REQUIREMENTS AS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IN THE ABSENCE OF A SWPPP, INSPECTIONS SHALL OCCUR WEEKLY AND AFTER EACH RAINFALL EVENT GREATER THAN 0.25 INCHES.
4. DAMAGED AND/OR DECOMPOSED WATTLES SHALL BE REPLACED IMMEDIATELY.

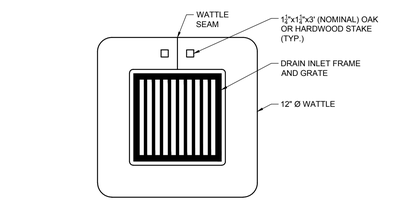
TYPICAL SINGLE ROW WATTLE INSTALLATION DETAIL
SCALE: N.T.S.



NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF THE BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH THE APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
6. EROSION CONTROL BLANKET SHALL BE BIODEGRADABLE DOUBLE NET STRAW AS MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUAL.
7. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

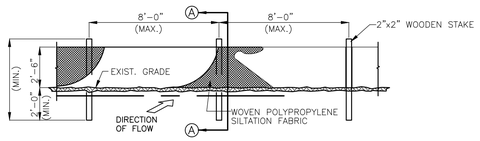
EROSIONAL CONTROL BLANKET DETAIL (FOR SLOPE PROTECTION)
SCALE: N.T.S.



NOTES:

1. WATTLES SHALL BE 12" DIAMETER, MACHINE PRODUCED THAT IS 100% STRAW FIBER AND CERTIFIED WEED FREE FORAGE. THE NETTING SHALL CONSIST OF SEAMLESS HIGH DENSITY POLYETHYLENE AND ETHYL VINYL ACETATE AND CONTAIN ULTRA VIOLET INHIBITORS.
2. WATTLES SHALL BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING THE ADJACENT WATTLES.
3. WATTLES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES DRIVEN THROUGH THE WATTLES.
4. WATTLES TO BE INSPECTED PER THE INSPECTION REQUIREMENTS AS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IN THE ABSENCE OF A SWPPP, INSPECTIONS SHALL OCCUR WEEKLY AND AFTER EACH RAINFALL EVENT GREATER THAN 0.25 INCHES. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH ONE HALF THE HEIGHT OF THE BARRIER.
5. THIS DETAIL IS TO BE USED WHEN PARKING AREAS ARE AT SUBGRADE ELEVATION

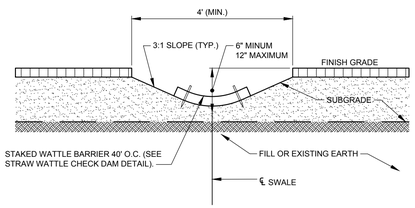
TYPICAL CATCH BASIN WATTLE INLET PROTECTION DETAIL
SCALE: N.T.S.



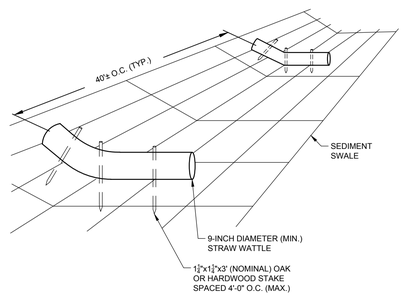
SILT FENCE ELEVATION

SILT FENCE SECTION A-A

SILTATION FENCE DETAIL
SCALE: N.T.S.



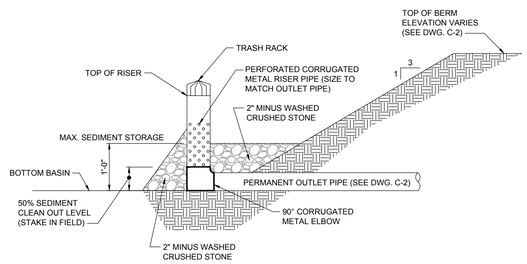
TYPICAL TEMPORARY DRAINAGE SWALE DETAIL
SCALE: N.T.S.



NOTES:

1. STRAW WATTLE CHECK DAMS TO BE SECURED TO THE GROUND WITH 3' LONG GRADE STAKES DRIVEN THROUGH THE WATTLE AND PENETRATING AT LEAST 12-INCHES INTO THE GROUND. STAKES TO BE EXPOSED 3 INCHES (MAX.) ABOVE THE TOP OF THE WATTLE.
2. WATTLES SHALL BE MACHINE-PRODUCED THAT IS 100% STRAW FIBER AND CERTIFIED WEED FREE FORAGE. THE NETTING SHALL CONSIST OF SEAMLESS HIGH DENSITY POLYETHYLENE AND ETHYL VINYL ACETATE AND CONTAIN ULTRA VIOLET INHIBITORS.
3. WATTLES SHALL BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING THE ADJACENT WATTLE.

STRAW WATTLE CHECKDAM DETAIL
SCALE: N.T.S.



NOTES:

1. PERFORATED CORRUGATED METAL RISER PIPE TO BE WRAPPED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL).
2. SEDIMENT BASINSTO BE INSPECTED THROUGHOUT CONSTRUCTION.

TEMPORARY RISER OUTLET DETAIL
SCALE: N.T.S.

RJOC

NO.	REVISION	DATE
1.	SUBMITTED TO INLAND WETLANDS COMMISSION	09/25/2024

PREPARED BY:
RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS
80 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180
PHONE: 781.279.0180 RJOCONNELL.COM

PREPARED FOR:

HONEYCOMB REAL ESTATE PARTNERS
20 AVON MEADOW LANE
AVON, CT 06001

PROJECT NAME:

HORIZON VIEW
MONTVILLE, CT

SEAL:

DESIGNED BY:	RWS
DRAWN BY:	WJH
REVIEWED BY:	BPD/RWS
SCALE:	NOT TO SCALE
DATE:	09/25/2024

DRAWING NAME:

DEMOLITION AND EROSION CONTROL DETAILS

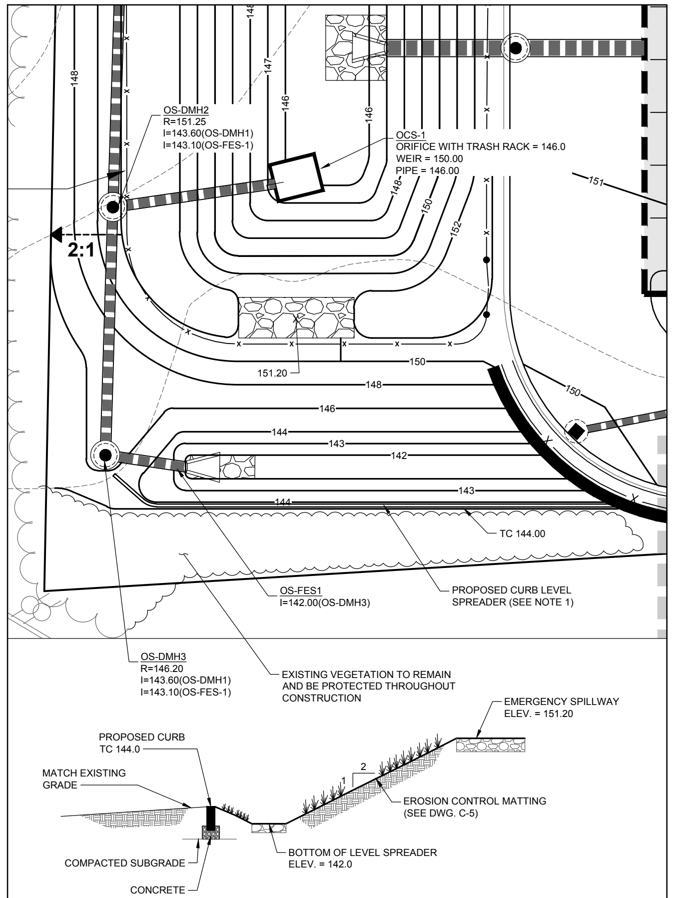
DRAWING NUMBER:

C-5

PROJECT NUMBER:

24029

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Main\24029_C-5 Demolition and Erosion Control Details.dwg
Sep 25, 2024 - 16:11pm

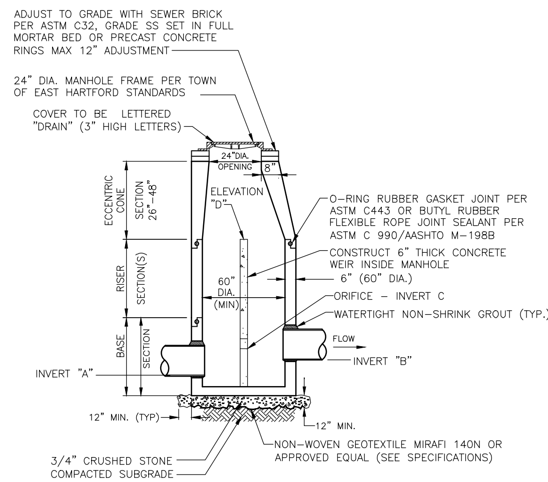


SECTION

NOTE:

1. LEVEL SPREADER MINIMUM LENGTH = 56 FT

LEVEL SPREADER DETAIL
SCALE: N.T.S.



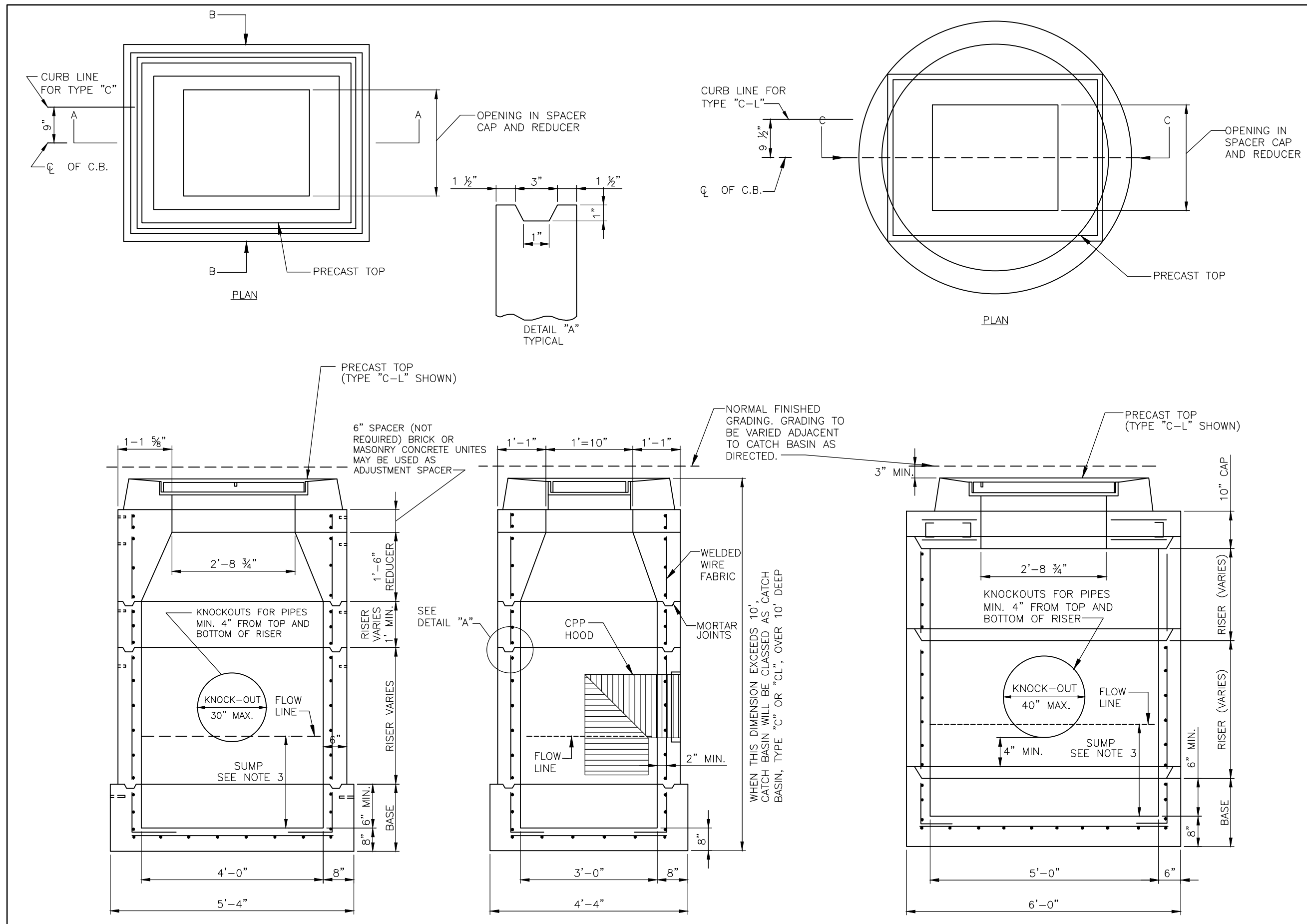
SECTION

OCS-	RIM	INVERT "A" (INLET)	INVERT "B" (OUTLET)	ELEVATION "C" (ORIFICE SIZE/TYPE)	ELEVATION "D" (T/WEIR)	SPILLWAY (T/WEIR)
SSI-OCS1	152.00	146.00 (30")	146.00 (30")	146.00 6" CIRCLE	149.50	N/A
SSI-OCS2	152.00	146.00 (30")	146.00 (30")	146.00 6" CIRCLE	149.50	N/A

NOTES:

1. MANHOLES AND ALL COMPONENT PARTS SHALL BE OF SIZE, STRENGTH AND CONFIGURATION AS SHOWN EXCEPT THAT TOP SLABS MAYBE SUBSTITUTED FOR ECCENTRIC CONE SECTIONS. MANHOLES SHALL BE AN ASSEMBLY OF REINFORCED, PRECAST CONCRETE BASE RISER SECTIONS PER ASTM C478 OR MONOLITHICALLY, CAST-IN-PLACE REINFORCED CONCRETE. APPROVED MANHOLE STRUCTURE SHALL BE DESIGNED AND CONSTRUCTED TO MEET OR EXCEED H20 LOADING AND PREVENT LEAKAGE IN EXCESS OF ONE (1) GALLON PER DAY PER VERTICAL FOOT OF MANHOLE.
2. MATERIALS AND METHODS OF INSTALLATION TO MEET OR EXCEED TOWN SPECIFICATIONS.
3. USE 0-6" SUMP.

OUTLET CONTROL STRUCTURE DETAIL



SECTION A-A
STANDARD CATCH BASIN TYPE "C" OR "CL"

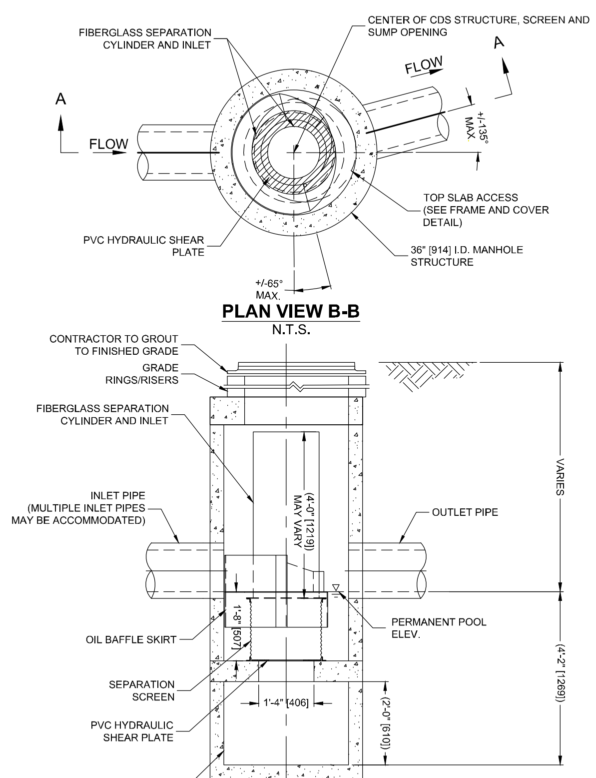
SECTION A-A

SECTION A-A
ROUND CATCH BASIN TYPE "C" OR "CL" (ALTERNATE)

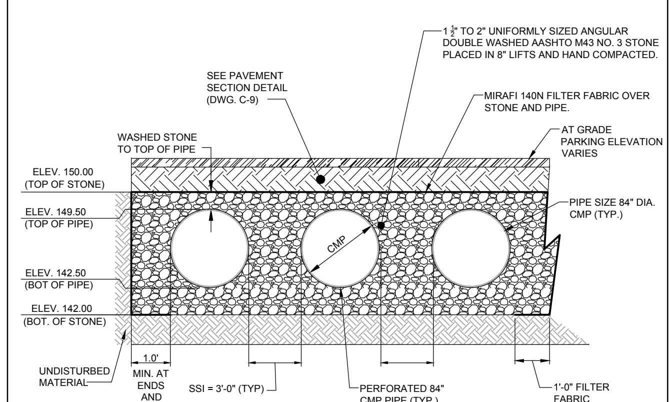
NOTE:

1. HOODS SHALL BE INSTALLED AT ALL CATCH BASIN OUTLETS.
2. REFER TO CT DOT OR MONTVILLE FOR GRATE SPECIFICATIONS
3. CATCH BASINS SHALL HAVE 4' DEEP SUMPS OR 4 TIMES THE DIAMETER OF OUTLET PIPES WHICH IS GREATER.

CONNECTICUT D.O.T. STANDARD CATCH BASIN
SCALE: N.T.S.



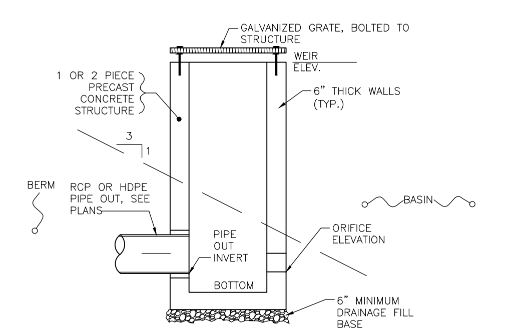
CDS UNIT - WATER QUALITY UNIT - CDS-1515
SCALE: N.T.S.



NOTE:

1. FOR ELEVATIONS SEE GRADING & DRAINAGE PLAN (DWG. C-2)

TYPICAL 7' CMP SUBSURFACE INFILTRATION SYSTEM
SCALE: N.T.S.



OCS	RIM	INVERT "A" (INLET)	INVERT "B" (OUTLET)	ELEVATION "C" (ORIFICE SIZE/TYPE)	ELEVATION "D" (T/WEIR)	SPILLWAY (T/WEIR)
OCS-OFFSITE	N/A	N/A	146.40	148.00 20x12 ELLIPSE	150.00	151.50
OCS-1	N/A	N/A	146.00	146.00 6" CIRCLE	150.00	151.20

8 OUTLET CONTROL STRUCTURE (OCS) FOR BASINS
SCALE: N.T.S.

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Main\24029_C-6 Drainage Details I.dwg
Sep 25, 2024 - 16:20pm

RJOC

NO.	REVISION	DATE
1.	SUBMITTED TO INLAND WETLANDS COMMISSION	09/25/2024

PREPARED BY:
RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS
80 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180
PHONE: 781.279.0180 RJOCONNELL.COM

PREPARED FOR:
HONEYCOMB REAL ESTATE PARTNERS
20 AVON MEADOW LANE
AVON, CT 06001

PROJECT NAME:
HORIZON VIEW
MONTVILLE, CT

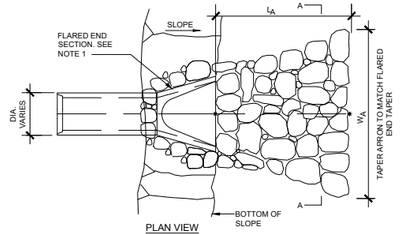
SEAL:

DESIGNED BY: MAP/RWS
DRAWN BY: WJH
REVIEWED BY: BPD/RWS
SCALE: NOT TO SCALE
DATE: 09/25/2024

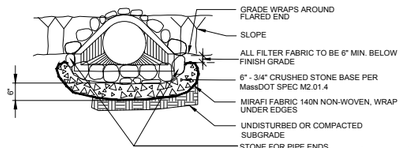
DRAWING NAME:
DRAINAGE DETAILS I

DRAWING NUMBER:
C-6

PROJECT NUMBER:
24029



PLAN VIEW



SECTION A-A

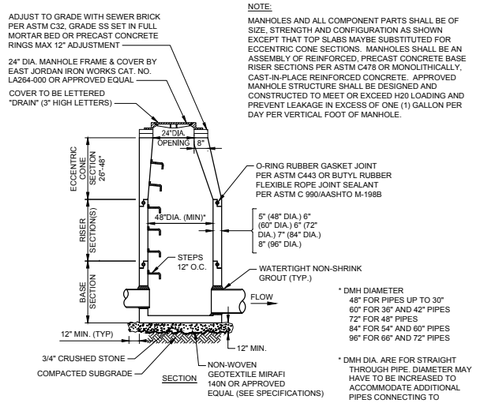
DIA. (IN.)	L_A (FT.)	W_A (FT.)
12	8	10
15	10	12
18	12	14
24	14	16
30	16	20

NOTES:

1. THE FLARED END SECTION (FES) AND THE LAST RUN OF PIPE OUTLETTING TO THE FES SHALL BE REINFORCED CONCRETE (RCP)

FLARED END SECTION WITH RIP RAP APRON

SCALE: N.T.S.



NOTE:

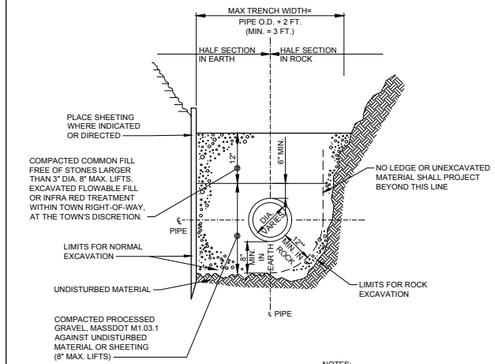
MANHOLES AND ALL COMPONENT PARTS SHALL BE OF SIZE, STRENGTH AND CONFIGURATION AS SHOWN, EXCEPT THAT TOP SLABS MAYBE SUBSTITUTED FOR ECCENTRIC CONE SECTIONS. MANHOLES SHALL BE AN ASSEMBLY OF REINFORCED, PRECAST CONCRETE BASE RISER SECTIONS PER ASTM C478 OR MONOLITHICALLY, CAST-IN-PLACE REINFORCED CONCRETE. APPROVED MANHOLE STRUCTURE SHALL BE DESIGNED AND CONSTRUCTED TO MEET OR EXCEED H20 LOADING AND PREVENT LEAKAGE IN EXCESS OF ONE (1) GALLON PER DAY PER VERTICAL FOOT OF MANHOLE.

* DMH DIAMETER
48" FOR PIPES UP TO 30"
60" FOR 36" AND 42" PIPES
72" FOR 48" PIPES
84" FOR 54" AND 60" PIPES
96" FOR 66" AND 72" PIPES

* DMH DIA. ARE FOR STRAIGHT THROUGH PIPE. DIAMETER MAY HAVE TO BE INCREASED TO ACCOMMODATE ADDITIONAL PIPES CONNECTING TO MANHOLE AT ANGLES

PRECAST CONCRETE DRAIN MANHOLE (DMH)

SCALE: N.T.S.



NOTES:

1. MATERIALS AND METHODS OF INSTALLATION SHALL CONFORM TO THE MUNICIPAL DPW AND/OR ENGINEERING DEPARTMENT STANDARDS AND SPECIFICATIONS.

TYPICAL DRAIN TRENCH DETAIL

SCALE: N.T.S.

RJOC

NO.	REVISION	DATE
1.	SUBMITTED TO INLAND WETLANDS COMMISSION	09/25/2024

PREPARED BY:

RJO'CONNELL & ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS & LAND PLANNERS
80 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180
PHONE: 781.279.0180 RJOCONNELL.COM

PREPARED FOR:

HONEYCOMB REAL ESTATE PARTNERS
20 AVON MEADOW LANE
AVON, CT 06001

PROJECT NAME:

HORIZON VIEW
MONTVILLE, CT

SEAL:

DESIGNED BY:	MAP/RWS
DRAWN BY:	WJH
REVIEWED BY:	BPD/RWS
SCALE:	NOT TO SCALE
DATE:	09/25/2024

DRAWING NAME:

DRAINAGE DETAILS II

DRAWING NUMBER:

C-7

PROJECT NUMBER:

24029

Drawing name: G:\CT\Montville\Honeycomb Real Estate Partners\2268-2284 Route 32\Main\24029_C-7 Drainage Details II.dwg
Sep 25, 2024 - 16:15pm