Stormwater Pollution Control Plan (SWPCP)

Steelpointe Harbor
West Block Mid-Rise Residential and District Roads

January 2026- DRAFT

Ref. No. R24-09720R01

Prepared for:

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Stormwater Pollution Control Plan (SWPCP)

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1.0 - INTRODUCTION

Triton Environmental, LLC. (Triton) has prepared this Stormwater Pollution Control Plan (SWPCP or Plan) on behalf SP Residential I, LLC (SP I) for the West Block Mid-Rise Residential development and District Roads property located at Steelpointe Harbor in Bridgeport, Connecticut (see Figure 1). This Plan is updated in accordance with the Connecticut Department of Energy and Environmental Protection (CT DEEP) National Pollutant Discharge Elimination System General Permit for the Discharge of Stormwater from Construction Activities, effective January 1, 2026 (General Permit). SP I is constructing a mixed-use 420-unit residential development on approximately 7.5 acres of land at the overall Steelpointe Harbor development. In addition to the development of the residential complex, the project involves the construction of roads that will provide access to the development. The project includes significant grading, construction of foundation systems, installation of utilities, and the construction of new buildings, roadways, infrastructure, stormwater infrastructure, and landscaping. Triton has prepared and certified the SWPCP based on the site design calculations and drawings prepared by Luchs Consulting Engineers (Luchs).

The SWPCP updates the previously prepared plan (approved on April 22, 2024) to align with the requirements of the General Permit effective January 1, 2026. It is designed to address two components of stormwater pollution: (1) impacts caused by soil erosion and sedimentation during and after construction; and (2) stormwater impacts caused by use of the site after construction is completed, including but not limited to parking lots, roadways and the maintenance of grassed areas. This document has been prepared in conjunction with the attached figures.

A Regulatory Cross-Reference is provided at the beginning of this document presenting the requirements of the General Permit and their locations in the SWPCP.

2.0 - SITE DESCRIPTION

The site comprises an approximately 7.5-acre portion of the Steelpointe Harbor development, located adjacent and to the west of East Main Street and south of Stratford Avenue, within a Planned Development District (PDD) of Bridgeport, Connecticut (Fairfield County) (see Figure 1). The PDD for the Steelpointe Harbor development, a 52-acre section of the City of Bridgeport, was created to meet the city's goals for a public reconnection to the waterfront, activated streetscapes and the creation of additional commercial tax base, a flexible master plan and new zoning framework, complete with design guidelines serving to define both the architectural character and public realm of the neighborhood.

According to a map titled "Lot-Line Revision Map and Right-of-Way Dedication Map" prepared by Cabezas DeAngelis, December 29, 2023, the site contains Lot 7A, Lot 13, a portion of Lot 15 (the Harborwalk), and Rights-of-Way #1 and #2 (the proposed roadways for future Harbor Place and O'Rourke Court).

There are currently no structures, trees or plantings located on the site. The majority of the site comprises a portion of the former United Illuminating Company (UI) "Steel Point Station" (SPS) electric generating plant parcel formerly identified as 137 East Main Street. A portion of the parcels located along East Main Street to the west (including 10, 104, 124, 137 East Main Street and two parcels without street addresses) are currently utilized as a parking lot associated with the "DockMasters Building" to the southeast (offsite). This temporary bituminous concrete parking lot comprises approximately 10-percent of the current site area. The site abuts Bridgeport Harbor to the south, separated by a concrete-capped, steel sheet pile bulkhead, constructed along the perimeter of the greater Steelpointe Harbor peninsula in the mid-2010s. The remaining portions of the site are primarily vacant (see Figure 2). Existing and future discharges will be to Bridgeport Harbor.

The section of the harbor adjacent to the facility is listed on the CT 2024 Integrated Water Quality Report as segment CT W1_001-SB. It is listed as impaired for polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), Nutrients, dissolved oxygen (DO), and Enterococcus. The harbor is subject to statewide TMDL for bacteria (Enterococcus, E. coli, and fecal coliform). The identified sources are not attributed to stormwater discharge associated with construction activities regulated under the General Permit. The control measures described in this SWPCP are in place to ensure there will be no discharge to the waterbody that may impact or

exceed the allocations. The contaminants of concern are not believed present in the future or the construction discharges.

With the exception of Bridgeport Harbor abutting the property, there are no wetlands or watercourses on the site. The site is located within the Connecticut Coastal Boundary. The project has previously submitted coastal consistency review form in accordance with the Connecticut Coastal Management Act (see Appendix I). Sections of the project area lie within FEMA Flood Zone AE, as shown on Flood Insurance Rate Map (FIRM) Panel 09001C0441G inundated by 100-year flood with base flood elevations determined to be 14.0' NAVD88 (See Figure 4). Construction activities will comply with applicable floodplain management requirements and local approvals. The parcel is not located in an Aquifer Protection Zone or any public water supply watersheds. The US Department of Agriculture (USDA) Web Soil Survey was used to obtain surficial soil conditions (See Figure 6).

A review of CT DEEP Natural Diversity Database (NDDB) was conducted as part of the initial site review process for the project to determine whether state-listed special concern, threatened and/ or endangered species occur within the project limits. An NDDB determination was performed and issued on February 08, 2024, and is valid until February 08, 2026 (see Appendix H). Based on the review, no negative impacts to populations of NDDB-listed species are anticipated from the project.

A search on the Connecticut State Cultural Resource Information System (CRIS) database revealed that the property is not located within an archeologically sensitive area and is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places. A printout of the historic places screening map is presented in Figure 8.

3.0 - CONSTRUCTION ACTIVITIES

The project consists of the construction of a four-story wood, concrete and steel-framed 601,599-square foot, 420-unit apartment building with a mix of studios, one-, two-and three-bedroom apartments, indoor/outdoor amenity spaces, along with ground floor retail spaces and a 5-story, 461-car post-tensioned parking garage. A rendering of the proposed development, West Block Mid-Rise Residential Development (West Block Development) is provided below.

West Block Mid-Rise Residential Development – Steelpointe Harbor

Access to the new residential development will occur through an approximately 2.5-acre expansion of district-owned roads, sidewalks and harbor walk at the Steelpointe Harbor development. The construction project will involve significant earth movement for construction. The overall elevation of the property will also be raised in portions of the property for flood management purposes. Over the duration of the construction project, up to 7.5 acres may be disturbed, but not greater than five acres will be disturbed at one time. Future stormwater discharges will be to Bridgeport Harbor. The impervious areas onsite will increase from approximately 10% to 80% following completion of the West Block Development and District-owned roads.

Excavated materials disturbed during construction will be reused and stabilized onsite to the extent possible or disposed of in an offsite location in accordance with all regulatory requirements.

4.0 - RUNOFF REDUCTION AND LOW IMPACT DESIGN

Stormwater Best Management Practices (BMPs) have been adopted by SP I for stormwater management and are consistent with those adopted by the Environmental Protection Agency and the State of Connecticut.

The BMPs that will be practiced at the site will be adequate for reducing the potential for stormwater contamination and include good housekeeping, preventative maintenance, spill prevention and response, and sediment and erosion control. Stormwater modifications will include the construction of new stormwater infrastructure. The BMPs adopted by SP I will be implemented during and after construction and will provide adequate protection required for the waters of the state.

The proposed runoff coefficient for the entire Steelpointe Harbor development area is 0.75-0.95. The proposed development will be very urban, but will have landscaped streetscapes, parks, and public access areas. The Steelpointe Harbor master plan proposed using Low Impact Development (LID) style Best Management Practices (BMPs) as part of the overall stormwater design where appropriate.

The proposed runoff coefficient listed above assumes near fully impervious areas, and does not take these LID-style BMPs into account. The storm sewers were designed to convey the 25-year, 24-hour storm event, assuming 90-95% impervious areas. The design of the system does not include credit for any infiltration from the various LID-style BMPs at other portions of the development. As the site is subject to the CT Remediation Standard Regulations, the site is not suitable to include infiltration, groundwater recharge, or other urban LID practices.

The grading and drainage plans developed for the project by Luchs Consulting Engineers (Luchs) are provided in Appendix G.

5.0 - CONSTRUCTION SEQUENCING

Construction is anticipated to begin in the spring of 2024 and end in the summer of 2026. Prior to the start of construction, full soil erosion and sediment controls will be installed and maintained to isolate each work area. Work under the general permit is limited to the West Block Development construction and the construction of the District-owned roads in Rights-of-Way #1 and #2 (see Figure 3). The primary stormwater conveyances and outfalls through the bulkhead to Bridgeport Harbor have been previously installed at the site. The new drainage features associated with the West Block Development and District-owned roads will tie into these existing stormwater lines. The sequencing of construction will be as follows:

- Pre-Construction meeting;
- Set up of construction fencing and erosion control measures;
- Removal of underground structures;
- Filling and grading of the site;
- Deep soil stabilization and installation of H-piles;
- Construction of footings and foundations;
- Construction of under-slab utilities;
- Construction of slab-on-grade building slabs;
- Building construction;
- Installation of site utilities;
- Paving;
- Installation of hardscapes; and,
- Landscaping.

All disturbed surfaces will be stabilized as soon as construction has been completed and the soil erosion and sediment controls will be maintained in-place until final stabilization of disturbed areas.

6.0 - POLLUTANTS OF CONCERN

Stormwater discharges associated with construction activities at the site may contain the following pollutants of concern, based on site conditions, historical site use, and proposed remediation and construction activities:

- Sediment and suspended solids, including soils disturbed during grading, excavation, utility installation, etc.
- Trace quantities of hydrocarbons associated with vehicle and equipment operation.
- Concrete wash water from concrete placement and washout activities.
- Construction debris and solid waste.
- Dust and airborne particulates generated during earthwork and material handling.
- Site-related contaminants associated with soil and groundwater, which may include regulated pollutants associated with historic site activities. Remediation activities are currently ongoing at the site under the CT DEEP Brownfields Remediation and Revitalization Program (ID No. 23041) and are being conducted in accordance with applicable DEEP approvals and permits. They are regulated separately from stormwater discharges under this General Permit.

All disturbed areas will be managed using erosion and sedimentation (E&S) control measures, such as silt fencing, filter socks, or other approved controls, to minimize the mobilization and off-site transport of these pollutants and potential of polluted runoff. Stockpiling of impacted materials will be minimized, and any temporary staging will occur within the designated areas using appropriate containment and perimeter controls as described in section 7.2 and 7.6 to prevent contact with stormwater.

7.0 - STORMWATER CONTROL MEASURES

7.1 - Erosion and Sediment Controls

Sedimentation and erosion control measures have been developed by Luchs (see Figure 3 and Figure 4). The erosion and sediment control measures have been designed and will be installed and maintained in accordance with the "2024 Connecticut Guidelines for Soil Erosion and Sediment Control" (Guidelines), as amended.

It is the responsibility of SP I to perform or oversee and administer construction related activities as generally described in the SWPCP. SP I will be responsible for the timely installation, inspection, repair or replacement of erosion control devices to ensure proper operation. SP I will be responsible for controlling unsatisfactory erosion conditions not effectively controlled by the erosion and sediment control plans, as observed by inspection of field conditions, and will install additional measures, if necessary.

Where construction activities have permanently ceased or when final grades are reached in any portion of the site, stabilization and protection practices shall be implemented within seven (7) days. Notwithstanding any provisions of the Guidelines, areas that will remain disturbed but inactive for at least fourteen (14) calendar days shall receive temporary seeding or soil protection within seven (7) days. Areas that will remain disturbed beyond the seeding season shall receive long-term, non-vegetative stabilization and protection sufficient to protect the site through the winter. In all cases, stabilization and protection measures shall be implemented as soon as possible. Temporary or permanent vegetation or other ground cover shall be maintained at all times in all areas of the site, except those undergoing active disturbance, in order to prevent erosion and soil compaction during construction activities. All new temporary and permanent vegetation shall consist of native plant species. With respect to such vegetation, the SP I will not use chemical fertilization, herbicides, or pesticides except as necessary to establish such vegetation.

As earthwork operations proceed, additional measures will be installed at the bottom of fill slopes and around soil stockpiles as necessary. In all cases, stabilization measures will be implemented as soon as possible after earthwork operations begin.

7.2 - Sediment Barriers and Filters

The primary function of these measures is to slow the velocity of sediment laden waters enough to allow suspended sediments to drop out of solution. Secondary functions can include the filtering of sediment laden waters and the creation of a physical barrier that prevents the sediment laden water from mixing with clean waters. To mitigate the transportation of disturbed sediment from entering the stormwater system, SP 1 will implement the following measures: filter socks, geotextile silt fence (GSF), and/or catch basin inserts.

Filter socks and/or GSF will be placed at downslope work limits, around existing catch basins, or as otherwise shown on Figure 3. A double row of barriers will be installed and maintained in those limited areas that are equal to or greater than 8% slope and downslope of disturbed areas within 50 feet of waters of the state. Soil stockpiles will be located away from any potentially sensitive areas or areas subject to stormwater runoff and will include a barrier around the stockpile area, approximately ten feet away from the proposed toe of the slope. Filter socks installed on hardscaped areas will be weighted down with concrete blocks or other ballast.

Catch basin inserts (aka silt sack) will be installed within newly installed catch basins during construction. This measure shall be used where the drainage area to an inlet is disturbed, it is not possible to temporarily divert the storm drain outfall into a trapping device, or where watertight blocking of inlets is not advisable. The measure will be installed as an “internal inlet protection” product, installed inside the structure to capture sediment after it enters the structure.

7.3 - Absorbent Materials

As noted below in Section 7.7, the groundwater beneath the site is known to contain contaminants. In the event that disturbed soil create a visible sheen or a visible sheen is observed in any catch basins, absorbent materials such as an oil sock, will be installed within the catch basin. Additionally, an absorbent sock(s) will be installed surrounding the inlet, as necessary.

7.4 - Wetland Protection

Where site disturbance occurs within 50 feet of waters of the state (along the southern edge of the site), a double row of sediment barriers will be installed in accordance with the Guidelines between the disturbed area and downgradient waters. Any dewatering activities near the shoreline will follow the requirements of Section 7.7.

7.5 - Tire-Tracked Soils

The construction area is located adjacent to paved public roads. Therefore, the Contractor will construct a construction entrance at each exit point from the construction area to the public roadways and will be maintained for the duration of the project until final stabilization. If tracking of sediment becomes apparent during construction, the Contractor will implement additional measures (e.g., extended length, wash rack, additional cover stone, sweeping, etc.) as necessary.

7.6 - Stockpile Maintenance

Soil stockpiles will be located away from construction activities and adjacent watercourse. If topsoil is to be stockpiled longer than 30 days, it will be protected with a temporary seeding, matting or other acceptable means of preventing erosion. Separate stockpiles will be maintained for soils to be reused onsite and for soils to be disposed offsite. The anticipated stockpile areas will be constructed as shown in the drawings. The management of the stockpiles and stormwater runoff will be performed in conformance with the Guidelines.

7.7 - Dewatering Wastewaters

The groundwater beneath the site is known to contain contaminants. As such, SP I has registered for the General Permit for Discharge of Groundwater Remediation Wastewater (CT DEEP Application No. 202402363). Any dewatering wastewater generated during construction will be directed to a treatment system that includes frac tanks, bag filters, and carbon treatment (see Figure 3 for treatment system location).

Once the analytical test results confirm that water quality is acceptable for release, the water will be discharged into a catch basin or manhole which is connected to the existing drainage system. Additionally, each dewatering discharge point will be

monitored initially and weekly for turbidity for the duration of dewatering operations. Samples will be taken after the dewatering water has been treated with the first turbidity measurement taken within 30 minutes of initiating the dewatering discharge. A record of the turbidity monitoring results will be kept on-site. Dewatering activities will be monitored and adjusted, as needed. The treatment and discharge of dewatering wastewater will be conducted under the terms of the General Permit for Discharge of Groundwater Remediation Wastewater.

7.8 - Waste Disposal

During construction, the Contractor will ensure litter or other debris and any waste materials are removed from the premises, as necessary, in order to prevent such materials from entering the storm drainage system and/or waters of the state. After construction, SP I will be responsible for performing this activity.

7.9 - Washout Controls

Washout of applicators, containers, vehicles and equipment for concrete, paint, and other materials, if applicable, will be conducted in a designated washout area. There will be no surface or ground water discharge of washout wastewaters from this area. The contractor will conduct washout operations:

1. Outside of any wetland buffers and at least 50 feet from any stream, wetland, and other sensitive resource; and,
2. In an entirely self-contained washout system.

The Contractor will designate areas to be used for washing and conduct such activities only in these areas. The Contractor will direct wash water into a container or pit designed so that no overflows can occur during rainfall or after snowmelt. If an excavated pit is utilized, the pit will be established as an impervious structure (e.g. lined basin, etc.) and will use diversion measures to divert surface runoff from entering the pit. Dumping of liquid wastes in storm sewers is prohibited.

At least once per week, SP I will inspect any containers or pits used for washout to ensure structural integrity, adequate holding capacity, and to check for leaks or overflows. If there are signs of leaks, holes or overflows in the containers or pits that could lead to a discharge, the contractor will repair them prior to further use. For concrete

washout areas, the Contractor will remove hardened concrete waste whenever the hardened concrete has accumulated to a height of half of the container or pit, or as necessary to avoid overflows.

7.10 - Offsite Deposition of Materials

SP I will minimize off-site vehicle tracking of sediments and dust generation during construction in accordance with the above referenced Guidelines. Vehicle parking lots and drives will be paved and landscaped areas will be seeded and mulched. As such, dust and sediment tracking after construction is completed will be addressed by these measures. A street sweeper may be used to remove tracked sediment from adjacent local roads or site pavements, if necessary.

Wet dust suppression will be used for any construction activity that causes airborne particulates. The volume of water used for dust control will be minimized to prevent the runoff of water. Discharges of dust control water will not contain or cause visible oil sheen, floating solids, visible discoloration, or foaming in the receiving water body.

7.11 - Emergency Spill Response

The construction activities for this project will include the use of heavy equipment. Spill prevention measures will be implemented in accordance with EPA best management practices for spill prevention and material handling as applicable. This includes performing refueling activities in designated areas with appropriate containment measures, inspecting heavy equipment daily for leaks, and training construction personnel on spill prevention and proper handling of fuels and oils. The contractor will maintain spill kits on site for the duration of the construction. Kits will include sufficient quantity of absorbent and barrier materials to properly contain spills.

7.12 - Maintenance

Maintenance of erosion control practices on the construction site will be performed in accordance with the Guidelines and Table 1 below, provided that, if additional maintenance will protect the waters of the state from pollution, the Plan will be amended to include a description of the additional procedures, including vegetation and other protective measures identified in the site plan. SP I will be responsible for cleaning

any construction debris or sediment from existing roads as ordered by the Town and/or State if any debris or sediment from construction activities enter onto these roadways. Accumulated sediment removed from erosion control devices will be spread and stabilized in level erosion-resistant locations. Additionally, all post-construction stormwater structures shall be cleaned of construction sediment, and any remaining silt fence shall be removed upon stabilization of the site.

Table 1-Maintenance Schedule

Erosion and Sediment Control Practice	Maintenance Items	Frequency
Filter Sock or Geotextile Silt Fence (GSF)	• Inspect controls for displacement, damage, undercutting, or bypass. • Remove sediment or install a secondary barrier upgradient of the original control when deposits reach approximately half of the height of the control.	Weekly and after a Storm Event that Creates a Discharge*
Inlet Protection	• Inspect the measure for damage, displacement, bypass, or surface ponding. • Inspect for sediment accumulation. Remove sediment and reinstall insert.	Weekly and after a Storm Event that Creates a Discharge
Absorbent Materials (if required)	• Inspect for oil accumulation. Replace when internal sock has become 50% saturated with oil. Replace external sock when oil accumulation is visible.	Weekly and after a Rainfall Event that Creates Discharge
Construction Entrance	• Inspect for effectiveness (tracking of sediment out of construction area) • Install top dressing with additional aggregate, as required. • Remove immediately sediment spilled, dropped, or washed onto public right-of-way.	Weekly and after a Storm Event that Creates a Discharge
Temporary Seeding (if required)	• Erosion, poor seedling emergence • Reseed, as necessary to stabilize	Weekly and after a Storm Event that Creates a Discharge
Soil Stockpile	• See Above for Filter Sock or GSF and Temporary Seeding	Weekly and after a Storm Event that Creates a Discharge
Dewatering (if required)	• Inspect for damage, excessive pump rate, discharge quality • Maintenance as necessary.	Daily During Dewatering Operations

Washout (if required)	• Inspect containers/pits to ensure structural integrity, adequate holding capacity, and to check for leaks or overflows • Remove hardened concrete waste when the waste has accumulated to a height of half of the washout, or as necessary to avoid overflows	Weekly and after a Storm Event that Creates a Discharge

*For storms that end on a weekend, holiday, or other time after which normal working hours will not commence within 24 hours, a routine inspection is required within 24 hours only for storms that equal or exceed 0.5 inches. For storms of less than 0.5 inches, an inspection shall occur immediately upon the start of the subsequent normal working hours.

7.13 - Post-Construction Stormwater Management

This section describes the Best Management Practices (BMPs) adopted by SP I for stormwater management, which are consistent with those adopted by the EPA and the State of Connecticut. The typical stormwater constituents of concern found in urban runoff (suspended solids, metals, trash, floatable material, etc.) can be effectively treated by conventional methods (e.g., stormwater basins, swales, filtering practices, etc.) and/or proprietary treatment devices. As such, the proposed stormwater management strategy to meet the effluent guidelines includes a combination of conventional treatment practices and good housekeeping BMPs.

Good Housekeeping

Pollutants will be controlled at the source to the maximum extent feasible as ensured by the BMPs under the General Permit. Good housekeeping BMPs will be used to maintain a clean and orderly workplace to reduce the potential for discharge.

SP I will use dumpsters to facilitate the proper disposal of refuse. The dumpsters may be in direct contact with stormwater. To minimize adverse impacts, dumpsters will be equipped with covers, which will be kept closed when not in use. In addition, dumpster drain ports (where applicable) will be plugged.

Preventative Maintenance

Following construction, SP I will conduct the following specific preventative maintenance tasks:

1. Regular inspections of catch basins and stormwater quality structures throughout the site will be inspected on a regular basis throughout the year for presence of accumulated trash, debris, and sediment accumulation.

2. Regular inspections of outfalls to ensure that debris or other materials are not being collected and discharged with stormwater.
3. Stormwater structures will be pumped out with a vac-truck at least once per year or as determined based on the inspection results.
4. Dumpsters at the facility will be covered at all times with bottom drains plugged.
5. The paved parking areas will be kept clear of unnecessary equipment and debris and swept as necessary.

Sediment and Erosion Control

The site design has integrated sediment and erosion control measures. Post-construction, the site will have minimal potential for sediment generation. However, during significant storm events, there is potential for typical urban constituents (e.g., sediment, trash, vehicle-related hydrocarbons, etc.) to be mobilized in stormwater and collected by the new stormwater system. SP I has established catch basins, sumps and water quality structures designed to capture these typical constituents prior to discharge. The development includes two (2) hydrodynamic separators sized to treat the 2-year, 24-hour storm event peak flow rate to remove 80% of total annual suspended solids, hydrocarbons, and floatable debris prior to discharge.

7.14 - Other Controls

Chemical and Petroleum Storage

All chemical and petroleum product containers stored on the site (excluding containers within vehicles/equipment) will have impermeable secondary containment that holds 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 will be stored under a roofed area except for those chemicals stored in containers of 100 gallons or more, in which case a roof is not required. Double-walled tanks satisfy this requirement.

8.0 - INSPECTIONS, RECORDKEEPING AND REPORTING REQUIREMENTS

8.1 - Plan Implementation Inspections

Prior to commencement of each phase of construction activity on the site, SP I will contact the designing qualified professional who will ensure that all required inspections are conducted. For each phase of construction, the site will be inspected at least once within the first thirty (30) days of construction activity and at least three times, with seven (7) or more days between inspections, within the first ninety (90) days of construction activity to confirm compliance with the Permit and proper initial implementation of all control measures as detailed in this Plan for each phase of construction. The inspector must meet the following conditions:

- Cannot be an employee of the registrant.
- Cannot have ownership interest of any kind in the project for which the registration is being submitted.

8.2 - Routine Inspections

SP I will maintain a rain gauge on-site to document rainfall quantities. A qualified inspector, provided by SP I, will inspect all disturbed areas of the construction activity that have not been finally stabilized, erosion and sediment control measures, structural control measures, soil stockpile areas, washout areas, and locations where vehicles enter or exit the site at least once every seven 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 outside normal working hours, an inspection is required within 24 hours only for storms that are equal to or greater than 0.5 inches. For storms of less than 0.5 inches, an inspection will occur immediately upon the start of the subsequent normal working hours. Where areas have been temporarily stabilized, a routine inspection will continue no less than once per seven calendar days until final stabilization has been achieved, after which inspections may occur once per month for the required three-month period.

Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, impacts (i.e., fine sediment, fuel oil, etc.) entering the drainage system or waters of the state. Erosion and sediment control measures will be observed to ensure that they are operating correctly. Where discharge locations or points are

accessible, they will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site will be inspected for evidence of off-site sediment tracking.

A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Plan, and actions collected will be made and retained as part of the Plan for at least five years after the date of inspection. The report will 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 will include a summary of the remedial actions required for the site to be in compliance. The report will be signed by the Owner or an authorized representative in accordance with the requirements of the Guidelines.

Original inspection reports will be signed by the assigned personnel and filed onsite. A copy of the signed inspection report will also be maintained onsite, if the original is not maintained on the site. Where sites have been temporarily or permanently stabilized, such inspection will be conducted at least once every month for three months. Sample inspection forms are included in Appendix D.

8.3 - Post-Construction Inspection

Once all post-construction stormwater measures have been installed in accordance with the Permit, SP I will ensure that a qualified inspector will inspect the site to confirm compliance with all such measures. A report will be prepared and certified in accordance with the applicable sections of the general permit to indicate compliance with this requirement on the Notice of Termination form.

8.4 - Final Stabilization Inspection

A qualified inspector will conduct a final stabilization inspection to confirm that disturbed areas have been stabilized. This inspection will be conducted in the year following the end of construction and after at least one full growing season (April-October) has elapsed and will confirm that stabilization measures are fully established and that the temporary erosion and sediment control measures can be removed.

8.5 - Termination Inspection

A qualified inspector will conduct a termination inspection once all disturbed areas have achieved final stabilization no sooner than one (1) year after completion of activities. This inspection will confirm that stabilization measures remain fully established. Upon verification that the site meets permit requirements, the permittee shall submit the Termination Inspection report with the Notice of Termination form in accordance with the Permit.

8.6 - Recordkeeping Requirements

SP I will retain the Plan and all reports required by the Permit, and records of data used to complete the permit registration, for at least five years from the date the Notice of Termination is accepted by the Commissioner unless the commissioner specifies another time period in writing. SP I will retain an updated copy of the Plan at the site from the date construction is initiated at the site until the date construction at the site is completed. Inspection records, including plan implementation inspections and routine inspections, will also be retained at the site for a period of five years from the date recorded on the inspection form. The construction site "working" copy will be kept onsite at SP I. A copy of the SWPCP will also be made available via a publicly accessible URL during the term of the permit.

SP I will retain a copy of the Plan, as amended, for a period of at least five years from the date that construction at the site is completed (unless the DEEP Commissioner specifies another time period in writing) and maintain a copy at the construction site from the date construction is initiated to the date of completion. SP I's copy will be kept at:

SP Residential I, LLC
c/o Flaherty & Collins
One Indiana Square, Suite 3000
Indianapolis, IN 46204

8.7 - Reporting Requirements

SP I will provide the Plan, upon request, to the Commissioner within the timeframe specified in any request by the Commissioner. If no timeframe is specified in any such request, reporting shall be provided no later than thirty days from the request. SP I, or the Signatory Authority, will submit all reporting of inspections, Plan updates or other reporting electronically. Electronic reporting shall commence no later than thirty (30) days after authorization under this permit unless otherwise approved in writing from the Commissioner.

Upon learning of a violation of a condition of the permit, SP I will immediately cease all construction activities and take reasonable action to determine the cause of such violation, return to compliance, correct and mitigate the results of such violation, prevent further such violation from recurring, and report such violation and such corrective action to the DEEP stormwater staff within two (2) hours of SP I learning of such violation. DEEP stormwater staff can be contacted at the following:

- email (deep.stormwaterstaff@ct.gov) and;
- phone (860.424.3025).

In addition to contacting DEEP stormwater staff upon discovery of any violation(s), SP I will prepare and submit to the commissioner a written report documenting the violation including the duration (date and time) of the violation, corrective actions taken to address the violation, and any action taken or planned to prevent future occurrences within five (5) days of the violation.

If dewatering is performed, records of turbidity and Enterococcus monitoring conducted will be submitted to the Commissioner on the first day of each month following the initiation of the dewatering discharge for as long as the discharge exists.

9.0 - CONTRACTORS

The SWPCP includes a blank form in Appendix A to clearly identify each contractor and subcontractor that will perform actions on the site which may reasonably be expected to cause or have the potential to cause impacts to the waters of the state. The form includes a certification statement noting compliance to adhere to the general permit terms and conditions to be signed by all contractors and subcontractors. SP I will provide a copy of the Plan to all contractors prior to any disturbance activities.

10.0 - PLAN AMENDMENTS

SP I has the authority and responsibility to modify the Plan in accordance with the Permit conditions, requirements or guidelines, and will maintain a copy of the Plan, Plan modifications, if any, and site inspection reports. SP I will amend the Plan whenever:

- there is a change in contractors or subcontractors at the site;
- a change in design, construction, operation, or maintenance at the site which has the potential for the discharge of pollutants to the waters of the state and which has not otherwise been addressed in the Plan, or:
- if the actions required by the Plan fail to prevent pollution to waters of the state.

It should be noted that if plan changes are not made in a timely manner, it does not relieve SP I of the responsibility to implement any actions to protect the waters of the state and comply with all conditions of the permit. This includes, but is not limited to, installation and maintenance of all controls and management measures described within the Plan.

If the amount of disturbed area increases from the amount specified in the registration approved by the Commissioner or there are changes to engineered or non-engineered construction or post-construction control measures that have the potential to increase the quality or quantity of pollution in the site's stormwater discharges, SP I shall submit a new registration to the commissioner in accordance with Section 4 of the Permit.

If notified at any time by the commissioner that the Plan and/or site do not meet one or more of the minimum requirements of the Permit, SP I will make the required changes to the Plan and perform all actions required by such revised Plan within seven days. Within 15 days of such notice, or such other time as the commissioner may allow, SP I will submit to the commissioner a written certification that the requested changes have been made and implemented and such other information as the commissioner requires, accordance with the permit.

Additionally, if warranted by the results of the inspection, the description of potential sources and pollution prevention measures identified in the Plan will be revised as appropriate as soon as practicable after such inspection. Such modifications will provide for timely implementation of any changes to the site within 24 hours and implementation of any changes to the Plan within three calendar days following the inspection. The Plan will be revised and the site controls updated in accordance with sound engineering practices, the Guidelines, and the Permit.

11.0 - SIGNATURES OF REPORT AUTHORS

This report has been prepared by Triton Environmental, LLC. The names listed below are the principal authors of this report. Requests for information regarding the content of this report should be directed to those individuals.

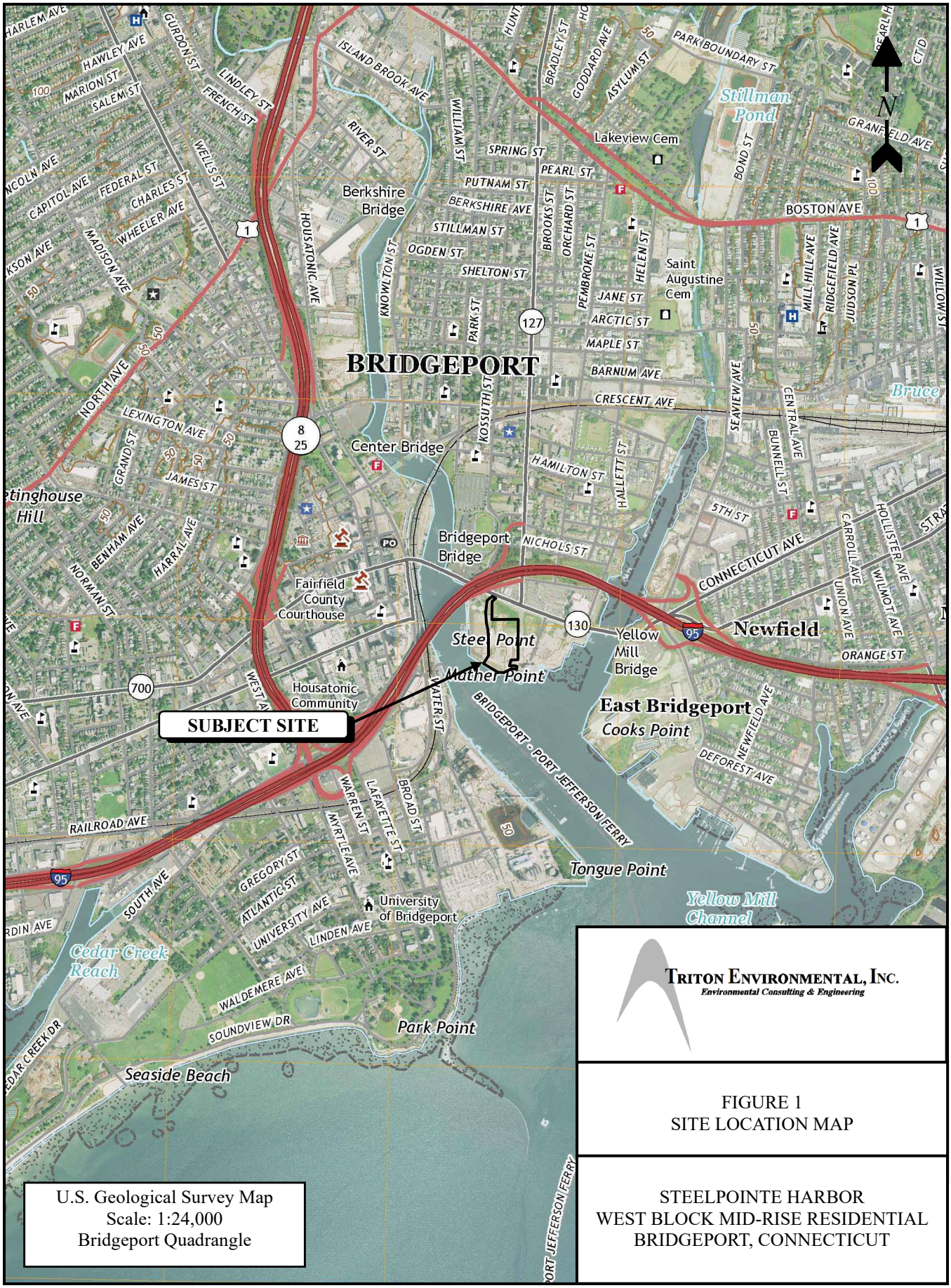
Stephen Benben, P.E.
Vice President

J. Carver Glezen, LEP
President

FIGURES

FIGURE 1

Site Location Map



U.S. Geological Survey Map
Scale: 1:24,000
Bridgeport Quadrangle

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

FIGURE 1
SITE LOCATION MAP

STEELPOINTE HARBOR
WEST BLOCK MID-RISE RESIDENTIAL
BRIDGEPORT, CONNECTICUT

Base map is from www.usgs.gov map data center. Dated 2021
P:\^PROJECTS\105000\105850-899\105877\Site Location Map\105877-

FIGURE 2

Existing Conditions Plan

EAST MAIN STREET

EAST MAIN STREET SOUTH

STRATFORD AVENUE (STATE ROUTE 130)

WATERVIEW

DISTRICT-OWNED PROPERTY (RIGHT-OF-WAY No. 2)

DISTRICT-OWNED PROPERTY (RIGHT-OF-WAY No. 1)

FEMA Zone "AE" Base Flood Elev. = 14.0

BRIDGEPORT HARBOR

Area 2

LEGEND

- STREET LINE
- PROPERTY LINE
- BITUMINOUS CONC. CURB
- MONUMENT
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- MANHOLE
- SIGN POST
- FENCE
- BUILDING
- CONTOUR (5' INTERVAL)
- CONTOUR (1' INTERVAL)
- SANITARY SEWER
- STORM SEWER
- WATER MAIN
- GAS MAIN
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE CONSIDERED APPROXIMATE. THIS DRAWING SHOULD ONLY BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. TRITON MAKES NO WARRANTY AS TO THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION CONTAINED IN THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY FROM RELIANCE THEREON.

2. BASE MAP INFORMATION IS FROM A PROPOSED REMEDIAL STRATEGY – MANAGEMENT AREAS PLAN; PREPARED BY FUSS & O'NEILL; DATED: OCTOBER 2022; SCALE: 1"=60'

APPROXIMATE SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

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FIGURE 2
SITE PLAN SHOWING
EXISTING CONDITIONS

STORMWATER POLLUTION CONTROL PLAN

STEELPOINTE HARBOR DEVELOPMENT
WEST BLOCK MID-RISE RESIDENTIAL AND DISTRICT ROADS
BRIDGEPORT, CONNECTICUT

DRAWN BY: FSM	APPROVED BY: JCG
DATE: 3/12/24	SCALE: 1"=40'
	FILE No.:R24-09720-SWPCP-FIG2

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Layout:FIG 2

FIGURE 3

Site Plan Showing Sediment and Erosion Controls

REV.	DESCRIPTION	APP'D	DATE
–	–	–	–

LEGEND

- SEED AND MULCH
- SILT FENCE/FILTER SOCK
- SILTSACK AT CATCH BASIN
- CONSTRUCTION ENTRANCE
- PORTABLE SEDIMENT TANK
- TEMPORARY ORANGE BARRIER FENCE
- HAYBALES OR SILTSACK
- TEMPORARY BLIND CAP
- TEMPORARY CONSTRUCTION CHAIN LINK FENCE AND GATES
- EARTHWORK STOCKPILE
- WASTE STOCKPILE AREA
- WASHOUT AREA
- SNOW FENCE
- CONSTRUCTION FENCE
- LIMITS OF DISTURBANCE LINE

* SEE APPENDIX G FOR GRADING AND DRAINAGE PLANS

EAST MAIN STREET

STRATFORD AVENUE (STATE ROUTE 130)

WATERVIEW AVENUE SOUTH

HARBOR PLACE

O'ROURKE COURT

PROPOSED HARBOR WALK

CONSTRUCTION ENTRANCE ANTI-TRACKING PAD

SOIL STOCKPILE AREA 1

SOIL STOCKPILE AREA 2

SILTSACK AT CATCH BASIN (TYP.)

CONTRACTOR PARKING AND STAGING AREA

SWEEP OFFSITE ROADS TO CONTROL DUST (TYP.)

CONSTRUCTION OFFICE

SILT FENCE (TYP.)

LIMITS OF DISTURBANCE

SILT FENCE TO BE ADJUSTED AS NEEDED DURING CONSTRUCTION

EXISTING PAVEMENT

BUILDING "A"

BUILDING "B"

BUILDING "C"

BUILDING "D"

BUILDING "E"

BUILDING "F"

BUILDING "G"

BUILDING "H"

PARKING GARAGE

LOCATION OF SILT FENCE TO BE ADJUSTED DURING CONSTRUCTION OF HARBOR WALK

DOUBLE ROW OF SILT FENCE AND/OR FILTER SOCKS WITHIN 50' OF THE WATER WAY

RELOCATED HYDRODYNAMIC SEPARATOR VT MODEL No. 11000

EXISTING OUTFALL AT BULKHEAD

PROPOSED LIMITS OF TREATMENT SYSTEM

PROPOSED ABOVE GRADE TREATED WASTEWATER CONVEYANCE PIPING

STAGING AREA

STAGING AREA

HYDRODYNAMIC SEPARATOR VT MODEL No. 11000

EXISTING 30" RCP

EXISTING OUTFALL AT BULKHEAD

FEMA Zone "AE" Base Flood Elev. = 14.0

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE CONSIDERED APPROXIMATE. THIS DRAWING SHOULD ONLY BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. TRITON MAKES NO WARRANTY AS TO THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION CONTAINED IN THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY FROM RELIANCE THEREON.

2. BASE MAP INFORMATION IS FROM A SEDIMENT AND EROSION CONTROL PLAN PREPARED BY LUCHS CONSULTING ENGINEERS; DATED: 1/15/2024; SCALE: 1"=20'.

APPROXIMATE SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

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FIGURE 3
SITE PLAN SHOWING
SEDIMENT AND EROSION CONTROLS

STORMWATER POLLUTION CONTROL PLAN

STEELPOINTE HARBOR DEVELOPMENT
WEST BLOCK MID-RISE RESIDENTIAL AND DISTRICT ROADS
BRIDGEPORT, CONNECTICUT

DRAWN BY: FSM	APPROVED BY: JCG	
DATE: 3/14/24	SCALE: 1"=40'	FILE No.: R24-09720-SWPCP-01

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Layout:FIG 3

FIGURE 4

Sediment and Erosion Control Details

SEDIMENT AND EROSION CONTROL NOTES

1. The proposed development will consist of new roadways Harbor Place and O'Rourke Court, extension of existing roadway Waterview Avenue South and construction of residential and commercial development. Maintain public access along East Main Street South and Waterview Avenue South and Marina Building Install temporary fencing and signs where shown or as needed during construction for management of pedestrian and vehicular traffic.

2. All erosion and sediment control measures will be constructed in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and City of Bridgeport requirements and SteelPointe Harbor Master Stormwater Plan. Install erosion and sediment control measures prior to construction in that area.

3. An Owners Representative shall be assigned the responsibility for implementing this erosion and sediment control plan. Responsibility for implementing this plan may change once the contractor is selected.

4. Contractor shall schedule a preconstruction meeting with Owner, Owner's Environmental Representative, Bridgeport Building Official, Architect, and Engineer prior to beginning excavation to review anticipated construction schedule, methods, and controls.

5. Additional and/or alternative control measures may be installed during the construction period, if found necessary by the Contractor, Owner, Site Engineer, City of Bridgeport, or other governing agency. The Contractor shall contact the appropriate governing agencies for approval if alternative controls other than those shown on the plans are proposed.

6. Install temporary chain link construction fence and gates around site as required. Gate locations may change pending construction activities. Install Silt Fence (SF) around perimeter on the inside of the construction fence. Excavate and bury lower edge of silt fence in ground.

7. Strip topsoil and stockpile for use in final landscaping. Surround all earth and demolition stockpiles with geotextile silt fence as shown. Piles shall be temporarily seeded if they are to remain in place for two months or more. Seed and mulch disturbed areas using perennial ryegrass at 40 lbs. per acre.

8. Install Siltsoxx by Filtrexx, along existing chain link fence where installation of silt fence is not practical due to pavement.

9. Maintain existing pavement on-site as long as practical during construction to limit disturbed areas. Install crushed stone Construction Entrance (CE) anti-tracking pads at construction entrances and where shown. Place filter fabric prior to placing crushed stone. Maintain construction entrances as necessary during the duration of construction.

10. Disturbed areas will be stabilized and planted as soon as practical during construction.

11. Install Siltsacks in existing catch basins prior to construction. Install silt fence filters or Siltsacks at proposed catch basins as they are installed. Wrap trench drain grates and floor drains in filter fabric during construction. Check and remove accumulated sediment periodically during construction.

12. Control vehicle tracking and dust on access drive and parking lots with daily sweeping (minimum). Other dust control measures include watering roads and disturbed area, using calcium chloride, and covering truck loads. A dust fence may be required around the site if directed by Owner's Environmental Representative.

13. Direct all trench dewatering pump discharge to the approved treatment system as directed by the owners environmental representative. Obtain local and state approvals to discharge temporary dewatering water to sanitary sewer, do not discharge pump to road gutters, catch basins, over silt fence or other areas that may impact downstream waters. All discharge to sanitary sewers shall be clear.

14. Restore all disturbed areas, survey control, monuments, sidewalks, utilities, and other existing features as part of final site restoration.

15. Remove sediment from control structures and dispose in an approved disposal area. Any disposed silt is to be immediately seeded with annual rye grass and mulched. Prepare and plant final landscaping and sod as noted.

MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS

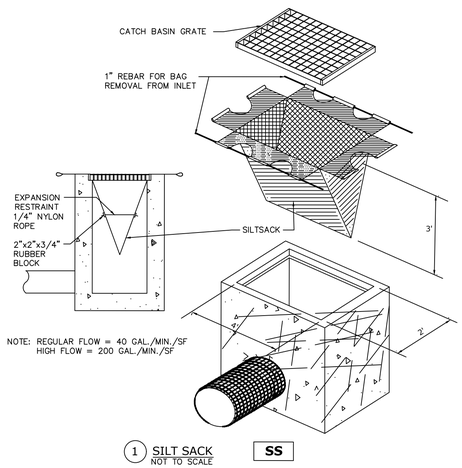
1. Prior to the time of any forecasted rainfall, all erosion and sedimentation controls to be checked and necessary repairs made. Check all erosion and sedimentation controls weekly or after a rain event and note repairs made, if necessary. Remove accumulated sediment periodically before rain storms.

2. Maintain a formal log of weekly erosion control observations, maintenance, and removal of accumulated sediment in conformance with permit requirements.

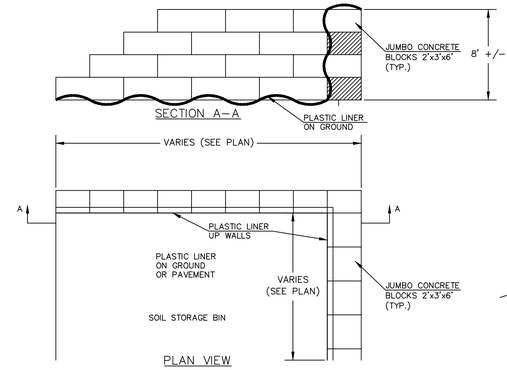
3. The Contractor will maintain a supply of sediment and erosion control materials (filter fabric, silt fence, crushed stone, etc.) on site for maintenance or emergency repair of controls. Maintain an adequate supply of spill containment equipment on site for use during construction, if necessary.

4. Temporary controls are to consist of seeding with annual rye grass. Hay mulch or other approved methods shall be used if season will not permit grass to germinate.

5. After completion of this project, clean accumulated sediment from storm structures, catch basins, trench drains, and manholes. Remove temporary controls after uphill areas are stabilized and the permanent storm water controls are in place. Remove temporary Geotextile Silt Fence and Temporary Construction Fences after construction.



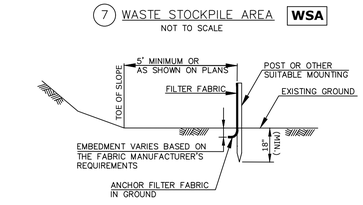
1 SILT SACK — NOT TO SCALE — **SS**



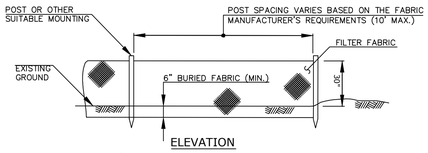
NOTES:
1. CONSTRUCT WASTE STOCKPILE AREA (WSA) IN THE NORTH END OF SITE USING PLASTIC LINERS AND JUMBO CONCRETE BLOCKS PRIOR TO EXCAVATION. NOTIFY OWNER'S ENVIRONMENTAL REPRESENTATIVE PRIOR TO EARTHMOVING ACTIVITY FOR OBSERVATION AND TESTING. MOVE EXCAVATED SOIL INTO WSA FOR TESTING, COVER SOIL STOCKPILES WITH PLASTIC AND RE-USE IN ACCORDANCE WITH PROJECT MANUAL AFTER TEST RESULTS ARE COMPLETED.

2. DISMANTLE WSA AFTER THE MAJORITY OF EARTHWORK IS COMPLETE. EXCAVATE ANY REMAINING IMPACTED SOIL AND RE-USE OR DISPOSE OF OFF-SITE.

7 WASTE STOCKPILE AREA — NOT TO SCALE — **WSA**



SECTION



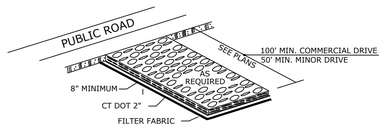
ELEVATION

5 GEOTEXTILE SILT FENCE — NOT TO SCALE — **SF**

GRADATION TABLE

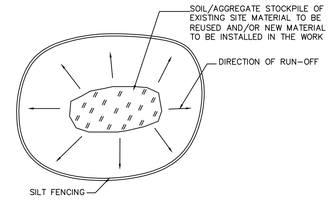
	CONN. DOT 2" CRUSHED GRAVEL	ASTM C-33 NO. 2	ASTM C-33 NO. 3
SQUARE MESH SIEVES	% FINER	% FINER	% FINER
2 1/2 INCHES	100	90-100	100
2 INCHES	95-100	35-70	90-100
1 1/2 INCHES	35-70	0-15	35-70
1 1/4 INCHES	0-25	---	---
1 INCHES	0-10	---	0-15
3/4 INCHES	---	0-5	---
1/2 INCHES	---	---	0-5
3/8 INCHES	---	---	---

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT.



NOTE: SEE PLAN FOR SIZE

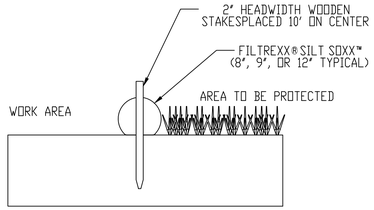
6 CONSTRUCTION ENTRANCE — NOT TO SCALE — **CE**



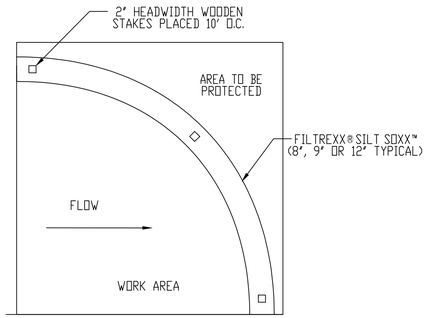
NOTES:
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.
3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

4 EARTH STOCKPILE — NOT TO SCALE — **ES**

FILTREXX® SILT SOXX™



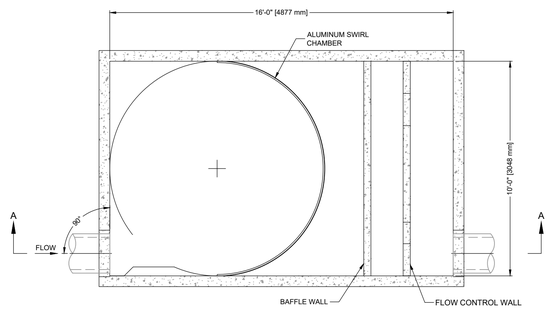
SECTION VIEW



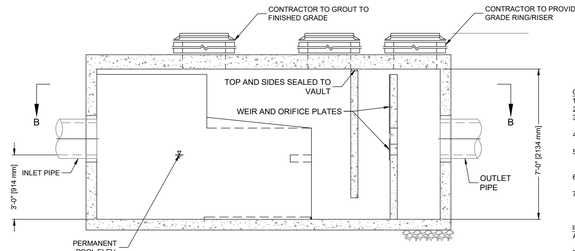
TOP VIEW

NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. SILT SOXX™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

SILTSOXX — NOT TO SCALE



SECTION B-B



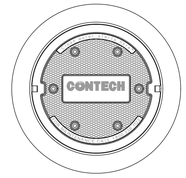
SECTION A-A

Vortechs®
THIS PRODUCT MAY BE PROTECTED BY THE FOLLOWING U.S. PATENT: 5,759,415. RELATED FOREIGN PATENTS.

VORTECHS 11000 DESIGN NOTES

VORTECHS 11000 RATED TREATMENT CAPACITY IS 17.5 CFS, OR PER LOCAL REGULATIONS. IF THE SITE CONDITIONS EXCEED RATED TREATMENT CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

THE STANDARD INLET/OUTLET CONFIGURATION IS SHOWN. FOR OTHER CONFIGURATION OPTIONS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE. www.ContechES.com



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	*
WATER QUALITY FLOW RATE (CFS)	*
PEAK FLOW RATE (CFS)	*
RETURN PERIOD OF PEAK FLOW (YRS)	*

PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*

RIM ELEVATION	*

ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
	*	*

NOTES/SPECIAL REQUIREMENTS:

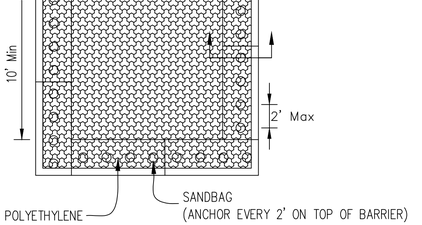
* PER ENGINEER OF RECORD

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
4. VORTECHS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. INLET PIPE(S) MUST BE PERPEDICULAR TO THE VAULT AND AT THE CORNER TO INTRODUCE THE FLOW TANGENTIALLY TO THE SWIRL CHAMBER. DUAL INLETS NOT TO HAVE OPPOSING TANGENTIAL FLOW DIRECTIONS.
7. OUTLET PIPE(S) MUST BE DOWN STREAM OF THE FLOW CONTROL BAFFLE AND MAY BE LOCATED ON THE SIDE OR END OF THE VAULT. THE FLOW CONTROL WALL MAY BE TURNED TO ACCOMODATE OUTLET PIPE KNOCKOUTS ON THE SIDE OF THE VAULT.

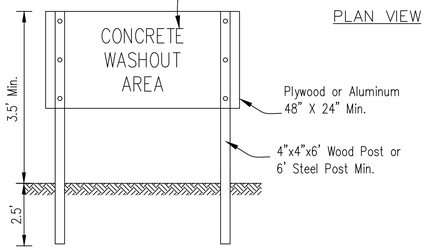
INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTSENTRY HS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

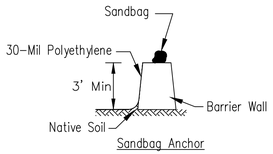
VORTECHS 11000
STANDARD DETAIL



PLAN VIEW



SIGN DETAIL



Sandbag Anchor

BARRIER WALL ANCHOR SECTION

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the faciliities to a functional condition.

2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

CONCRETE WASHOUT — NOT TO SCALE

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE CONSIDERED APPROXIMATE. THIS DRAWING SHOULD ONLY BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. TRITON MAKES NO WARRANTY AS TO THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION CONTAINED IN THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY FROM RELIANCE THEREON.

2. DETIALS AND NOTES ARE FROM A SEDIMENT AND EROSION CONTROL PLAN PREPARED BY LUCHS CONSULTING ENGINEERS; DATED: 1/15/2024

REV.	DESCRIPTION	APP'D	DATE
--	--	--	--

TRITON ENVIRONMENTAL
A TRUE ENVIRONMENTAL COMPANY
385 Church Street, Suite 201 • Guilford, Connecticut 06437 • 203.458.7200

FIGURE 4

SEDIMENT AND EROSION CONTROL DETAILS

STORMWATER POLLUTION CONTROL PLAN

STEELPOINTE HARBOR DEVELOPMENT
WEST BLOCK MID-RISE RESIDENTIAL AND DISTRICT ROADS
BRIDGEPORT, CONNECTICUT

DRAWN BY: FSM	APPROVED BY: JCG
DATE: 3/14/24	SCALE: AS SHOWN

FILE No.: R24-09720-SWPCP-01

P:\CAD\DRAWINGS_TRUE-PROJECTS\R24-05000-10000\R24-09720\FIGURES\SWPCP\R24-09720-SWPCP-01.DWG
Layout:FIG 4

FIGURE 5

FEMA Floodplain Map

National Flood Hazard Layer FIRMette

FEMA

73°11'9"W 41°10'45"N

73°10'32"W 41°10'18"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/12/2026 at 6:06 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FIGURE 6

Soils Map

Map Scale: 1:2,210 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 30 60 120 180

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut, Western Part
Survey Area Data: Version 6, Sep 16, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 21, 2022—Oct 27, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
306	Udorthents-Urban land complex	17.9	98.7%
W	Water	0.2	1.3%
Totals for Area of Interest		**18.1**	**100.0%**

FIGURE 7

Historic Places Screening Map

ArcGIS Web Map

1/13/2026, 9:37:46 AM

1:4,514

0 0.04 0.09 0.17 mi

0 0.05 0.1 0.2 km

- Preservation Restrictions

Above Ground Resources

- National Register
- National Register Non-Contributing
- State Register
- Inventoried
- National Register Districts

Ortho_2023

- Red: Band_1
- Green: Band_2
- Blue: Band_3

Appendix A

Stormwater Pollution Control Plan Certifications

REGISTRANT/PREPARER CERTIFICATION

SP I RESIDENTIAL I, LLC

I hereby certify that I am making this certification in connection with an application under the General Permit for the Discharge of Stormwater from Construction Activities (general permit), submitted to the Commissioner by SP Residential I, LLC for an activity located in a portion of the Steelpointe Harbor development (future 55 East Main Street) in Bridgeport, Connecticut, and that all terms and conditions of the general permit are being met all discharges which will be initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the application filed pursuant to this general permit is on complete and accurate forms as prescribed by the Commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 2.2.13.1 of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 2.2.13.2 of this general permit. I understand that the application filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Conn. Gen. Stat. I also understand that knowingly making any false statement in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Conn. Gen. Stat. and any other applicable law.

_____	_____
of Registrant	*Signature* *Date*
David Flaherty	Vice President
Name of Registrant	*Title (if applicable)*
_____	_____
Signature of Preparer	*Date*
Stephen Benben, PE	Vice President (Triton Environmental)
Name of Preparer	*Title (if applicable)*

PROFESSIONAL ENGINEER CERTIFICATION

SP RESIDENTIAL I, LLC

I hereby certify that I am a professional engineer licensed in the State of Connecticut. I am making this certification in connection with an application under the General Permit for the Discharge of Stormwater from Construction Activities (general permit), submitted to the commissioner by SP Residential I, LLC for an activity located in a portion of the Steelpointe Harbor development (future 55 East Main Street) in Bridgeport, Connecticut. I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such SPCP are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Conn. Gen. Stat. and any other applicable law.

_____	_____
Signature of Professional Engineer	*Date*
Stephen J. Benben, PE	24952
Name of Professional Engineer	*License Number*

(SUB)CONTRACTOR CERTIFICATION STATEMENT CERTIFICATION

SP RESIDENTIAL I, LLC

I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater from Construction Activities and the site-specific Stormwater Pollution Control Plan ("SPCP"). I understand that as a contractor or subcontractor at the site, I must comply with the terms and conditions of this general permit and the SPCP.

Contractor 1:

Name/Title

Signature

Name of Company

Address of Company

Date

Contractor 2:

Name/Title

Signature

Name of Company

Address of Company

Date

Contractor 3:

Name /Title

Signature

Name of Company

Address of Company

Date

Contractor 4:

Name/Title

Signature

Name of Company

Address of Company

Date

☑ Check box if additional page(s) required

Appendix B

Construction Stormwater General Permit Registration

(To Be Included in Final Hardcopy)

Appendix C

CT DEEP National Pollutant Discharge Elimination System General Permit for the Discharge of Stormwater from Construction Activities (effective January 2026)

National Pollutant Discharge Elimination System General Permit for the Discharge of Stormwater from Construction Activities

Permit No.: CTR100000

This National Pollutant Discharge Elimination System *General Permit for the Discharge of Stormwater from Construction Activities* is issued in accordance with Section 22a-430 of Chapter 446k, Connecticut General Statutes ("Conn. Gen. Stat."), and Regulations of Connecticut State Agencies ("Regs. Conn. State Agencies") adopted thereunder, as amended, and Section 402(b) of the Clean Water Act ("CWA"), as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer a NPDES permit program. Persons shall comply with all conditions of this permit.

This permit becomes effective January 1, 2026. This permit and the authorization to discharge shall expire sixty (60) months (five (5) years) from the effective date. This permit expires on December 31, 2030.

Issued: January 1, 2026

Emma Cimino

Emma Cimino
Deputy Commissioner

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Table of Contents

General Permit for the Discharge of Stormwater from Construction Activities

Section 1 Authority

This general permit is issued under the authority of Section 22a-430b of the Connecticut General Statutes ("Conn. Gen. Stat.").

Section 2 Authorization Under This General Permit

2.1 Eligible Activities

This general permit authorizes the discharge of stormwater from construction activities, as defined in this general permit as "any activity and discharges associated with construction at a site or the site's preparation for construction including, but not limited to, clearing, grubbing, pile driving, soil disturbance, soil compaction by construction equipment, staging and stockpiling, storage, cleaning and washout, grading, excavation, and dewatering," with a total disturbance of one (1) or more acres of land area for the entire project regardless of project phasing to waters of the State of Connecticut provided the requirements of this section are satisfied and the activity is conducted in accordance with this permit.

In the case of a larger plan of development (such as a subdivision), the estimate of total acres of site disturbance shall include, but is not limited to, road and utility construction, individual lot construction (e.g. house, driveway, septic system, etc.), and all other construction associated with the overall plan, regardless of the individual parties responsible for construction of these various elements.

2.1.1 Allowable non-stormwater discharges

The following non-stormwater discharges associated with the construction activity are authorized under this permit provided that, with the exception of water used to control dust and to irrigate vegetation in stabilized areas, these discharges are not routed to areas of exposed soil on the site, are included in the Stormwater Pollution Control Plan, and the Permittee complies with the applicable requirements of Section 5.2:

- uncontaminated discharges from construction dewatering operations in accordance with requirements of Section 5.2.2.8.
- uncontaminated and non-turbid discharges from natural springs or naturally occurring groundwater.
- foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated ground water.
- discharges from emergency fire-fighting activities.
- landscape irrigation.
- water used to control dust.
- potable water including uncontaminated water line or fire hydrant flushing.
- uncontaminated air conditioning or compressor condensate.

All other non-stormwater discharges except those specifically listed are not authorized by this permit. Such discharges to surface water must be authorized under a different permit issued by the Commissioner (pursuant to Section 22a-430 or 22a-430b of the Conn. Gen. Stat.).

2.1.2 Emergency Construction Activity Exception

The general permit authorizes short-term discharges of stormwater from construction activities in response to a public emergency as determined by the Commissioner (e.g., mud slides, earthquake, extreme flooding conditions, widespread disruption in essential public services), when the related work requires immediate authorization to avoid imminent endangerment to human health, public safety, or the environment, or to reestablish essential public services.

2.2 Requirements for Authorization

This general permit authorizes the discharge of stormwater from construction activity and associated discharges listed in the Section 2.1 "Eligible Activities" of this general permit provided the following conditions are met:

2.2.1 Limitations of Coverage

2.2.1.1 Prohibited discharges

The following discharges are prohibited:

- wastewater from washout of concrete, unless managed in accordance with Section 5.2.2.11.b of this general permit and the Connecticut Guidelines for Soil Erosion and Sediment Control ("the Guidelines").
- wastewater from washout and/or cleanout of stucco, paint, form release oils, curing compounds, and other construction materials.
- fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.
- soaps, solvents, or detergents used in vehicle and equipment washing or external building washdown.
- toxic or hazardous substances from a spill or other release.
- discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited unless managed by appropriate Control Measures.
- discharges containing or resulting in a visible oil sheen, floating solids, or foam.
- discharge of litter, debris, building materials, hardened concrete waste, or similar materials from the site.
- process wastewater as defined by 40 Code of Federal Regulations ("CFR") 122.2.
- slurry materials and waste from shaft drilling, including process wastewater from shaft drilling for construction of building, road, and bridge foundations unless managed to prevent discharge to surface water.
- wheel wash wastewater, unless managed in accordance with Section 5.2.2.11.c of this general permit and the Guidelines.
- discharges of water, substance, or material into the waters of the State other than eligible discharges specified in this general permit.
- eligible discharges to publicly or privately owned storm sewers or conveyances without notification being provided to the owner.
- the stormwater discharge resulting from an activity classified by the Standard Industrial Classification 10 and 12 through 14 (the mining industry) is not eligible to be authorized by this general permit and is regulated under the General Permit for the Discharge of Stormwater Associated with Industrial Activity.
- discharges of dewatering waters known to contain pollutants other than sediment.
- discharges of polychlorinated biphenyl ("PCB") compounds.
- discharges of mercury compounds.

2.2.2 Complete Application

A complete application pursuant to Section 3 of this general permit shall be filed with the Commissioner.

2.2.3 Coastal Management Act

Such construction activity must be consistent with all applicable goals and policies in Section 22a-92 of the Conn. Gen. Stat. and must not cause adverse impacts to coastal resources as defined in Section 22a-93(15) of the Conn. Gen. Stat. Please refer to the Appendix D for additional guidance.

2.2.4 Endangered and Threatened Species

Such construction activity must not threaten the continued existence of any species listed pursuant to Section 26-306 of the Conn. Gen. Stat. as endangered or threatened and must not result in the destruction or adverse modification of habitat designated as essential to such species. See Appendix A for permit terms and conditions.

2.2.5 Aquifer Protection Areas

Such construction activity, if it is located within an aquifer protection area as mapped under Section 22a-354b of the Conn. Gen. Stat., must comply with regulations adopted pursuant to Section 22a-354i of the Conn. Gen. Stat. Please refer to the Appendix C for guidance. For any construction activity regulated pursuant to the Aquifer Protection Regulations in Sections 22a-354i-8(c) and 9(b) of the Regs. Conn. State Agencies, the Stormwater Pollution Control Plan ("SPCP") must provide sufficient information to assure that stormwater discharge generated from the construction activity is (i) managed in a manner so as to prevent pollution of groundwater, and (ii) complies with all the requirements of this general permit.

2.2.6 Conservation and Preservation Restrictions

Such construction activity, if located within a conservation or preservation restriction area, complies with Section 47-42d of the Conn. Gen. Stat., by providing the following documentation to the Commissioner: proof of written notice to the holder of such restriction of the proposed activity's application pursuant to this general permit or a letter from the holder of such restriction verifying that the proposed activity is in compliance with the terms of the restriction.

2.2.7 Historic Preservation

Such construction activity, in accordance with the criteria in Appendix G, complies with state Historic Preservation statutes, regulations, and policies including identification of any potential impacts on property listed or eligible for listing on the Connecticut Register of Historic Places. A review conducted for an Army Corps of Engineers Section 404 wetland permit would meet this qualification. Refer to Appendix G for guidance on conducting the required review.

2.2.8 Wild and Scenic Rivers Act

Such construction activity must be consistent with the Wild and Scenic Rivers Act (16 U.S.C. 1271-1287) for those river components and tributaries which have been designated as Wild and Scenic by the United States Congress. Further, such construction activities must not have a direct and adverse effect on the values for which such river designation was established. Please refer to Appendix H for guidance.

2.2.9 Antidegradation

2.2.9.1 New or Increased Discharges to High Quality Waters

Any new or increased discharge of stormwater to a High Quality Water (as identified by the Commissioner consistent with the Water Quality Standards shall be discharged in accordance with the Connecticut Anti-Degradation Implementation Policy in the Water Quality Standards regulation (Section 22a-426 of the Regs. Conn. State Agencies). Before commencing any new or increased discharge, the Permittee must identify in its Stormwater Pollution Control Plan ("SPCP"), the Control

Measures it will implement to ensure compliance with anti-degradation provisions and the terms of this permit. At a minimum, the Permittee shall evaluate and implement measures and practices consistent with Best Available Technology Economically Achievable ("BAT") that will prevent the discharge of the Water Quality Volume ("WQV") to a surface water body or other practices necessary to protect and maintain designated uses and meet standards and criteria contained in the Water Quality Standards.

2.2.9.2 Discharges to Impaired Waters

For any portion of the site that discharges stormwater into a waterbody that is listed as impaired for sediment or a sediment-related impairment in the State's Integrated Water Quality Report as of the effective date of this general permit, the Permittee shall comply with the requirements of Section 5.2.3 of this permit. Additionally, the Commissioner may require new or enhanced Control Measures or outfall monitoring, as necessary to protect instream water quality standards. These Control Measures may include those necessary for the stormwater discharge to be consistent with the assumptions of any available load allocation in any applicable TMDL or Watershed Action Plan.

2.2.9.3 For discharges to other impaired waters or waters with an established TMDL

If the Permittee discharges stormwater into a waterbody that is impaired for a parameter other than a sediment or sediment-related parameter, the Commissioner may inform the Permittee if any additional measures are necessary for the discharge to be controlled as necessary to protect the instream water quality standards. These Control Measures may include those necessary for the discharge to be consistent with the assumptions of any available load allocation in any applicable TMDL or Watershed Action Plan. In addition, the Commissioner may require the Permittee to apply for and obtain coverage under an individual permit.

2.2.10 Cold Water Stream Habitat

Unless otherwise authorized in writing by the Commissioner, a Permittee shall maintain a one-hundred (100) foot buffer of undisturbed soil and well-established vegetation between any construction activity and any stream, river, or tributary that is included within a cold water stream habitat as defined in regulation and accessible on DEEPs website here: https://portal.ct.gov/DEEP/Water/Inland-Water-Monitoring/Cold-Water-Stream-Habitat-Map.

2.2.11 Discharge to POTW

The stormwater is not discharged to a privately or Publicly Owned Treatment Works ("POTW").

2.2.12 Discharge to Groundwater

The stormwater is not discharged entirely to groundwater.

2.2.13 Certification Requirements for Applicants and other Individuals

As part of the application for this general permit, the applicant and any other individual or individuals responsible for preparing the application submits to the Commissioner a written certification which, at a minimum, complies with the following requirements:

2.2.13.1 Review

The applicant and any other individual or individuals responsible for preparing the application and signing the certification has completely and thoroughly reviewed, at a minimum, this general permit and the following regarding the activities to be authorized under such general permit:

a. All application information provided in accordance with Section 3.3 of this general permit.

b. The project site, based on a site inspection.

c. The Stormwater Pollution Control Plan.

d. Any plans and specifications and any Department approvals regarding such Stormwater Pollution Control Plan.

2.2.13.2 Affirmative Determination

The applicant and any other individual or individuals responsible for preparing the application and signing the certification pursuant to this general permit has, based on the review described in Section 2.2.13.1 of this general permit, made an affirmative determination to:

a. Comply with the terms and conditions of this general permit.

b. Maintain compliance with all plans and documents prepared pursuant to this general permit including, but not limited to, the Stormwater Pollution Control Plan.

c. Properly implement and maintain the elements of the Stormwater Pollution Control Plan.

d. Properly operate and maintain all stormwater management systems in compliance with the terms and conditions of this general permit to protect the waters of the State from pollution.

2.2.13.3 The applicant and any other individual or individuals responsible for preparing the application certifies to the following statement:

"I hereby certify that I am making this certification in connection with an application under the General Permit for the Discharge of Stormwater from Construction Activities (general permit), submitted to the Commissioner by [INSERT NAME OF APPLICANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY] and that all terms and conditions of the general permit will be met for all discharges which will be initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the application filed pursuant to this general permit is on complete and accurate forms as prescribed by the Commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 2.2.13.1 of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 2.2.13.2 of this general permit. I understand that the application filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Conn. Gen. Stat. I also understand that knowingly making any false statement in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Conn. Gen. Stat. and any other applicable law."

2.2.14 Designing Professional Engineer or Landscape Architect Certification

The applicant submitted to the Commissioner a written certification by a professional engineer or, where appropriate, a landscape architect licensed in the State of Connecticut for the preparation, planning and design of the Stormwater Pollution Control Plan ("SPCP") and stormwater management systems.

The professional engineer or landscape architect shall certify to the following statement:

"I hereby certify that I am a [professional engineer] [landscape architect] licensed in the State of Connecticut. I am making this certification in connection with a application under the General Permit for the Discharge of Stormwater from Construction Activities (general permit), submitted to the Commissioner by [INSERT NAME OF APPLICANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard

of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such SPCP are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Conn. Gen. Stat. and any other applicable law."

2.2.15 Stormwater Pollution Control Plan Review and Certification by a District for Locally Approvable Projects

For Locally Approvable Projects, any Stormwater Pollution Control Plan ("SPCP" or "Plan") not reviewed in accordance with Section 2.2.16 below, the applicant has submitted to the Commissioner a written certification by the appropriate regional Soil and Water Conservation District ("District"), as defined in this general permit, for the review of the Stormwater Pollution Control Plan pursuant to Appendix E, which, at a minimum, complies with the following requirements:

2.2.15.1 Plan Review Certification

The Plan Review Certification must be signed by an authorized representative of the District. Information on the District review process is outlined in the Memorandum of Agreement provided in Appendix E. In cases where the District is unable to complete the review of the SPCP within the time limits specified in the Memorandum of Agreement in Appendix E, a notice to that effect signed by an authorized representative of the District may be submitted in lieu of the certification.

2.2.15.2 Stormwater Pollution Control Plan

The Stormwater Pollution Control Plan has been prepared in accordance with the requirements of Section 5.2 of the general permit.

2.2.16 Stormwater Pollution Control Plan Review and Certification by a Qualified Professional for Locally Approvable Projects

For the purposes of this section, a "Qualified Professional" is either a Qualified Soil Erosion and Sediment Control Professional or a Qualified Professional Engineer licensed in the state of Connecticut and in good standing.

2.2.16.1 Qualified Professional Criteria

a. Projects with an engineered stormwater management system

For projects with an engineered stormwater management system, if the SPCP is not reviewed in accordance with Section 2.2.15 above, the applicant shall submit to the Commissioner a signed certification by a Qualified Professional engineer.

b. Projects without an engineered stormwater management system

For projects without an engineered stormwater management system, if the SPCP is not reviewed in accordance with Section 2.2.15 above, the applicant shall submit to the Commissioner a written certification by a qualified soil erosion and sediment control professional or Qualified Professional engineer.

2.2.16.2 Certification by Qualified Professional

All projects shall submit a signed certification by a Qualified Professional to the Commissioner in accordance with the following requirements:

a. For projects disturbing more than one acre and less than twenty (20) acres, such Qualified Professional:

i. Is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the applicant.

ii. Has no ownership interest or monetary investment of any kind in the project for which the application is being submitted.

b. For projects disturbing twenty (20) acres or more, such Qualified Professional:

i. Is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the applicant.

ii. Has no ownership interest or monetary investment of any kind in the project for which the application is being submitted.

iii. Did not engage in any activities associated with the preparation, planning, designing or engineering of such plan for soil erosion and sediment control or plan for stormwater management systems on behalf of such applicant.

iv. Is not under the same employ as any person who engaged in any activities associated with the preparation, planning, designing or engineering of such plans and specifications for soil erosion and sediment control or plans and specifications for stormwater management systems on behalf of such applicant.

2.2.16.3 The Qualified Professional signing the certification has, at a minimum, completely and thoroughly reviewed this general permit and the following regarding the discharges to be authorized under such general permit:

a. All application information provided in accordance with Section 3.3 of this general permit.

b. The site, based on a site inspection.

c. The Stormwater Pollution Control Plan.

d. The Guidelines.

e. The Stormwater Quality Manual, if applicable.

f. All non-engineered and engineered stormwater management systems, including any plans and specifications and any approvals by the Commissioner regarding such stormwater management systems.

2.2.16.4 Affirmative Determination

a. Qualified Soil Erosion & Sediment Control Professional

The qualified soil erosion and sediment control professional signing the certification must have made an affirmative determination, based on the review described in Section 2.2.13.1 of this general permit that:

i. The Stormwater Pollution Control Plan prepared and certified pursuant to the application is adequate to assure that the project or activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit.

ii. All non-engineered stormwater management systems:

- have been designed to control pollution using measures that reflect the Best Available Technology economically achievable ("BAT"), and that conform to the Guidelines and the Stormwater Quality Manual.

- will function properly as designed and constructed.
- are adequate to ensure compliance with the terms and conditions of this general permit.
- will not cause or contribute to violations of the instream water quality standards and protect the waters of the State from pollution.

iii. There are no engineered stormwater management systems for the site.

b. Qualified Professional Engineer

The Qualified Professional engineer, licensed in the state of Connecticut and in good standing, signing the certification must have made an affirmative determination, based on the review described in Section 2.2.13.1 of this general permit that:

i. The Stormwater Pollution Control Plan prepared and certified pursuant to the application is adequate to assure that the activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit.

ii. All non-engineered and engineered stormwater management systems:

- have been designed to control pollution to the BAT and that conform to those in the Guidelines and the Stormwater Quality Manual.
- will function properly as designed.
- are adequate to ensure compliance with the terms and conditions of this general permit. and
- will protect the waters of the State from pollution.

2.2.16.5 The Qualified Professional shall, provided it is true and accurate, certify to the following statement:

"I hereby certify that I am a Qualified Professional engineer licensed in the state of Connecticut and in good standing or a qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater from Construction Activities (general permit) and as further specified in Sections 2.2.16.1.a and 2.2.16.1.b of the general permit. I am making this certification in connection with an application under such general permit, submitted to the Commissioner by [INSERT NAME OF APPLICANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 2.2.16.3 of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 2.2.13.2 and 2.2.16.4 of this general permit. I understand that this certification is part of an application submitted in accordance with Section 22a-430b of Conn. Gen. Stat. and is subject to the requirements and responsibilities for a Qualified Professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Conn. Gen. Stat. and any other applicable law."

2.2.17 Plan Review and Certification for Projects Conducted by State Agencies

For construction activity owned or operated by a state of Connecticut agency (e.g. Department of Transportation (CTDOT), Department of Administrative Services (DAS), etc.), the applying agency has submitted to the Commissioner a signed certification by a Qualified Professional in accordance with the following requirements:

2.2.17.1 The applying agency or another state agency has developed a process to establish a list of Qualified Professionals for which the process to qualify has been approved in writing by the Commissioner.

2.2.17.2 The Qualified Professional reviewing and certifying the SPCP is included on the list prepared by a state agency and for which the process to establish the list has been approved by the Commissioner pursuant to Section 2.2.17.1, above.

2.2.17.3 The Qualified Professional signing the certification has, at a minimum, completely and thoroughly reviewed this general permit and the following regarding the discharges to be authorized under such general permit:

a. All application information provided in accordance with Section 3.3 of such general permit.

b. The site, based on a site inspection.

c. The Stormwater Pollution Control Plan.

d. The Guidelines.

e. The Stormwater Quality Manual, if applicable.

f. All non-engineered and engineered stormwater management systems, including any plans and specifications and any Department approvals regarding such stormwater management systems.

2.2.17.4 Affirmative Determination

a. A qualified soil erosion and sediment control professional signing the certification must have made an affirmative determination, based on the review described in Section 2.2.13.1 of this general permit that:

i. The Stormwater Pollution Control Plan prepared and certified pursuant to the application is adequate to assure that the project or activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit.

ii. All non-engineered stormwater management systems:

- have been designed to control pollution to the BAT and that conform to those in the Guidelines and the Stormwater Quality Manual.
- will function properly as designed.
- are adequate to ensure compliance with the terms and conditions of this general permit.
- will protect the waters of the State from pollution.

iii. There are no engineered stormwater management systems for the site.

b. A Qualified Professional engineer signing the certification must have made an affirmative determination, based on the review described in Section 2.2.13.1 of this general permit that:

i. The Stormwater Pollution Control Plan prepared and certified pursuant to the application is adequate to assure that the activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit.

ii. All non-engineered and engineered stormwater management systems:

- have been designed to control pollution to the BAT and that conform to those in the Guidelines and the Stormwater Quality Manual.
- will function properly as designed.

- are adequate to ensure compliance with the terms and conditions of this general permit.
- will protect the waters of the State from pollution.

2.2.17.5 The Qualified Professional shall, provided it is true and accurate, certify to the following statement:

"I hereby certify that I am a Qualified Professional engineer licensed in the state of Connecticut and in good standing or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater from Construction Activities and as further specified in Sections 2.2.16.1.a and 2.2.16.1.b of such general permit. I am making this certification in connection with an application under such general permit, submitted to the Commissioner by [INSERT NAME OF APPLICANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 2.2.17.3 of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 2.2.13.2 and 2.2.17.4 of this general permit. I understand that this certification is part of an application submitted in accordance with Section 22a-430b of Conn. Gen. Stat. and is subject to the requirements and responsibilities for a Qualified Professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Conn. Gen. Stat. and any other applicable law."

2.2.17.6 Applications for construction activities conducted by a state agency under this subparagraph may be submitted in accordance with the requirements in Sections 3.3.2.

2.2.18 Solar Arrays

For constructions activities associated with the development of a Solar Array that is categorized as Locally Exempt, as defined in Section 10 of this general permit, the applicant shall also comply with the requirements in Appendix I.

2.3 Geographic Area

This general permit applies throughout the State of Connecticut.

2.4 Effective Date and Expiration Date of this General Permit

This general permit is effective on the date it is issued by the Commissioner and expires five (5) years from such date. The general permit may be administratively continued in effect until the Department has reissued the permit in accordance with the Conn. Gen. Stat. and Regs. Conn. State Agencies. If the permit is administratively continued, Permittees are required to comply with all permit terms and conditions, including the monitoring requirements and submittal of reports at the original frequency during the continuance of the permit.

2.5 Effective Date of Authorization

2.5.1 Authorization to Discharge for Existing Permittees

Upon the effective date of this general permit, Permittees that had existing authorization to discharge under the *General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities*, issued December 31, 2020, ("Existing Permittees") shall have continued authorization to discharge under the terms and conditions of this general permit, provided the Permittee is in compliance with the terms and conditions of this general permit and a complete application for this general permit is submitted to the Commissioner in accordance with Section 3 of this general permit on or before ninety (90) days after the effective date of this general permit until the Commissioner makes a final determination regarding such application.

If the Existing Permittee does not submit an appropriate, complete, and accurate application requesting authorization to discharge under this general permit or a Notice of Termination, if applicable, on or before ninety (90) days following the effective date of this permit, authorization under this permit will terminate on such due date. The Permittee must then submit a new application in compliance with the full terms and conditions of this permit. The Commissioner will review and approve, reject, or deny such applications in writing.

2.5.2 Emergency Construction Activity Exception

For emergency construction activities (pursuant to Section 2.1.2) resulting in short-term discharges of stormwater from construction activities in response to a public emergency (e.g., mud slides, earthquake, extreme flooding conditions, widespread disruption in essential public services), when the related work requires immediate authorization to avoid imminent endangerment to human health, public safety, or the environment, or to reestablish essential public services, the date of authorization is the day the discharge initiated.

2.5.3 Locally Approvable Small Construction Activity

No application or SPCP review is required for Small Construction Locally Approvable Projects that will disturb an area equal to or greater than one (1) and less than five (5) acres, regardless of phasing, provided a land-use commission of the municipality (i.e. planning/zoning, wetland, conservation, etc.) reviews and issues a written approval of the proposed erosion and sediment Control Measures, pursuant to the requirements of Section 22a-329 of the Conn. Gen. Stat. The owner or operator shall adhere to the erosion and sediment control land use regulations of the municipality in which the construction activity is conducted, as well as the Guidelines and the Stormwater Quality Manual. The date of authorization is the day written approval is obtained.

In the absence of a municipal commission to review and approve such activity, the Permittee shall apply with the DEEP under the requirements for a "Locally Exempt Project" and comply with all applicable conditions of this general permit.

2.5.4 Authorization to Discharge for New Permittees

2.5.4.1 A new construction activity that has never been authorized to discharge under this general permit ("New Permittee") is authorized to discharge in accordance with the terms and conditions of this general permit upon submittal of a complete application and after receiving a Notice of Coverage from the Commissioner in accordance with the following timelines:

a. Standard Authorization Timelines:

i. For Locally Approvable Projects: sixty (60) days after submission of a complete application form.

ii. For Locally Exempt Projects with a total disturbed area of under twenty (20) acres: sixty (60) days after submission of a complete application form.

iii. For Locally Exempt Projects with a total disturbed area equal to or more than twenty (20) acres: ninety (90) days after submission of a complete application form.

2.5.4.2 Exceptions to the Standard Authorization Timelines

If either of the criteria apply below, authorization timelines shall supersede those in Subsection 2.5.4.1 above:

a. For sites where the application and the Stormwater Pollution Control Plan (SPCP) availability and review provisions in Section 3.10 of this general permit are fulfilled prior to the expiration of the authorization timelines referenced in Subsection 2.5.4.1.a above, the Commissioner may grant authorization to discharge upon completion of those requirements.

b. For sites where conditions of Section 2.2.4, 2.2.9 or Section 5.1.2 of the general permit apply, the construction activity is authorized only upon the date of the Commissioner's affirmative determination and/or Notice of Coverage.

c. For Locally Exempt Projects conducted by a state agency, the construction activity may be authorized sixty (60) days after submission of a complete application form, regardless of the total disturbed area.

2.6 Transition to and from an Individual Permit

No person shall operate or conduct an activity authorized by both this general permit and an individual permit or an alternative general permit issued by the Commissioner. The requirements for transitioning authorization are as follows:

2.6.1 Transition from an Individual Permit to Authorization Under this General Permit

If an activity meets the requirements of authorization of this general permit and such operation or activity is presently authorized by an individual permit, the Permittee may seek a modification to the individual permit to exclude such operation or activity from that permit. If the operation or activity is the sole operation or activity authorized by such permit, the Permittee shall surrender its permit in writing to the Commissioner. In either event, such Permittee's individual permit shall continue to apply and remain in effect until authorization of such operation or activity under this general permit takes effect.

2.6.2 Transition from Authorization Under this General Permit to an Individual Permit

If an activity or operation is authorized under this general permit and the Commissioner subsequently issues an individual permit for the same activity, then on the date any such individual permit is issued by the Commissioner, the authorization issued under this general permit shall automatically expire.

Section 3 Application Requirements

3.1 Who Must File an Application

An application form is not required for an Emergency Construction Activity (Section 2.5.2) or "Small Construction Locally Approvable Activities" (Section 2.5.3).

For all other eligible construction activities, any person, municipality, or state agency that initiates, creates, originates, or maintains a discharge of stormwater from or associated with construction activities that disturb one (1) or more acres shall file with the Commissioner an application form that meets the requirements of this Section of this general permit. Such form shall be submitted along with the applicable fee within the timeframes and in the amounts specified in this Section.

3.2 Scope of Application

An applicant shall submit one (1) application for all discharges taking place at the site for which the application seeks authorization under this general permit. Discharges or activities taking place at more than one (1) site may not be consolidated on one (1) application form.

3.2.1 Application Fees

3.2.1.1 For Existing Permittees, construction activities that were authorized to discharge under the previous iteration of the general permit, the renewal fee shall be $1,250.

3.2.1.2 For new Locally Approvable projects and Locally Exempt projects conducted by a state agency, the application fee shall be $1,250.

3.2.1.3 New Locally Exempt Projects

For new Locally Exempt projects the application fee shall be as follows:

a. For sites with total disturbance of one (1) or more acres, but less than twenty (20) acres, the fee shall be $3,000.

b. For sites with total disturbance equal to or greater than twenty (20) acres and less than fifty (50) acres, the fee shall be $4,000.

c. For sites with total disturbance equal to or greater than fifty (50) acres, the fee shall be $5,000.

3.2.1.4 The fees for municipalities shall be half of those indicated, pursuant to Section 22a-6(b) of the Conn. Gen. Stat. State and Federal agencies shall pay the full fees specified in this subsection.

3.2.1.5 The application fee shall be paid to the Department of Energy & Environmental Protection.

3.2.1.6 An application shall not be deemed complete, and no activity shall be authorized by this general permit unless the application fee has been paid in full.

3.2.1.7 The application fee is non-refundable.

3.3 Application Requirements

All applications must be electronically submitted, along with all required elements. Failure to submit a complete application form with all the required components of the application may result in the rejection of the application and/or significant delay in the processing of the application.

3.3.1 Permittees with Existing Authorization to Discharge

3.3.1.1 Permittees Authorized Under Previous General Permit

Upon the effective date of this general permit, existing Permittees authorized under the previous version of this general permit shall submit a complete application electronically for authorization to discharge under this general permit to the Commissioner in accordance with the requirements of this general permit on or before ninety (90) days after the effective date of this general permit. The Permittee submitting such application is not required to submit stormwater management design information included in Sections 5.2.1.2.g and 5.2.2.9. For such Permittees subject to Appendix I for solar projects, the Permittee will not be required to modify any existing Letters of Credit to meet the provisions of Section 1.0(8)(d)(ii) of Appendix I.

3.3.1.2 Permittees Submitting New Application for Change of Permittee

For permittees submitting a new application for a construction activity with existing coverage authorized after the effective date of this permit, pursuant to Section 3.7 (Change of Permittee), the new permittee shall submit a complete application electronically for authorization to discharge under this general permit to the Commissioner in accordance with the requirements of Section 3.7. The Notice of Termination of the previous permittee's authorization shall be submitted in accordance with Section 4.2.2. If the new application includes any change of construction activities from those authorized in the existing application, the new Permittee is not eligible for authorization under this Section and a complete application must be submitted in accordance with the requirements of Section 3.3.2. or 3.3.3, as appropriate.

3.3.1.3 Permittees Authorized Under a Site Preparation Phase Permit for a Design-Build Project

For state or federal agencies submitting an application for a Final Design Phase Permit to supersede a Site Preparation Phase Permit previously authorized for a design-build project, the permittee shall submit a complete application electronically for authorization to discharge under this general permit to the Commissioner in accordance with the requirements of this general permit at least thirty (30) days prior to the termination of the Site Preparation Phase Permit authorization pursuant to Section 4.2.3.

3.3.2 Applicants for New Locally Approvable Projects

For applications for new Locally Approvable projects and Locally Exempt projects conducted by a state agency, the application shall:

3.3.2.1 Be submitted to the Commissioner at least sixty (60) days prior to the planned commencement of the construction activity.

3.3.2.2 Include all of the information that may be required pursuant to Section 2.2, "Requirements for Authorization" of the general permit regarding compliance and/or consistency with the Coastal Management Act, NDDB Determination Letter, Discharges to Impaired Waters and TMDL requirements, Fisheries Consultation, and Aquifer Protection Areas. *Failure to include these components may result in the rejection of the Application.*

3.3.2.3 Include a copy of the Stormwater Pollution Control Plan. The electronic SPCP shall be in Adobe™ PDF format or similar publicly available format in common use. The SPCP should not include any pages or other material that do not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.). *The submission of these additional pages in the SPCP will delay the Department's review of the Application.*

3.3.2.4 Include a Plan Review Certification in accordance with the plan review certification requirements of either Section 2.2.15, 2.2.16, or 2.2.17 of the general permit.

3.3.3 Applications for New Locally Exempt Projects

Applications for new Locally Exempt projects (except those projects conducted by a state agency pursuant to Section 3.3.2), shall:

3.3.3.1 Be submitted at least:

a. Sixty (60) days prior to the planned commencement of the construction activity if the site has a total disturbance of between one (1) and twenty (20) acres.

b. Ninety (90) days prior to the planned commencement of construction activity if the site:

i. Has a total disturbance greater than twenty (20) acres.

ii. Discharges to a tidal wetland (that is not a fresh-tidal wetland) within 500 feet of the discharge point.

iii. Or is subject to the impaired waters provisions of Section 2.2.9.2 of the general permit.

3.3.3.2 Include all of the additional information that may be required pursuant to Section 2.2 of the general permit, "Requirements of Authorization", regarding compliance and/or consistency with the Coastal Management Act, NDDB Determination Letter, Discharges to Impaired Waters including TMDL requirements, Fisheries Consultation, Historic Preservation Review, Solar Array provisions, and Aquifer Protection.

3.3.3.3 Include an electronic copy of the Stormwater Pollution Control Plan (SPCP) for the Commissioner's review. The electronic SPCP shall be in Adobe™ PDF format. The SPCP should not include any pages or other material that does not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, A-2 boundary or similar lot surveys, building plans, non-stormwater related detail sheets, etc.). *The submission of these additional pages in the SPCP will delay the Departments review of the application*.

3.4 Contents of Application

3.4.1 Standard Application Form

Applications shall be filed electronically on forms prescribed and provided by the Commissioner and include the following:

3.4.1.1 Legal name, mailing address, email address, and telephone number of the applicant. If the applicant is a person as defined in this permit transacting business in Connecticut and is registered with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.

3.4.1.2 Name, address, telephone number, contact's name, title, phone number, and email address for the following, if different than the applicant:

- Owner of the property on which the construction activity will take place.
- Primary contact for departmental correspondence and inquiries, if different from the applicant.
- Developer of the property on which the construction activity is to take place.
- General contractor(s) or other representative(s), if different from the developer (day and night).
- Qualified Professionals, engineer(s) or landscape architect(s) retained by the Permittee to prepare the application and/or the Stormwater Pollution Control Plan.

3.4.1.3 Physical address or description of the site for which the application is filed. If the site does not have a mailing address, provide the nearest crossroads, mile markers, latitude/longitude, or permanent structures to identify the location.

3.4.1.4 For Existing Permittees, the previously issued permit number.

3.4.1.5 The estimated duration of the construction activity.

3.4.1.6 Indication of the normal working hours at the site.

3.4.1.7 A brief description of the construction activity, including, but not limited to

a. Total number of acres to be disturbed, regardless of phasing.

b. Indication or Narrative description that construction is in accordance with The Guidelines and Stormwater Quality Manual and local erosion and sediment control ordinances, where applicable.

c. Assurances

Assurance that the Stormwater Pollution Control Plan is consistent with the requirements of this general permit and the following provisions of state statutes and regulations, as appropriate:

i. For sites in the Coastal Boundary, documentation that the DEEP Land and Water Resources Division or local governing authority has issued a coastal site plan approval or a determination that the project is exempt from coastal site plan review (see Appendix D) in accordance with Section 22a-92 and 22a-93(15) of the Conn. Gen. Stat.

ii. Documentation that the construction activity will not threaten the continued existence of any species listed pursuant to Section 26-306 of the Conn. Gen. Stat. as endangered or threatened and will not result in the destruction or adverse modification of habitat designated as essential to such species (see Appendix A). For sites located within a "listed species" habitat, applications must include a valid National Diversity Database Determination Letter Identification number.

iii. For sites discharging to impaired waters or waters that have a TMDL or specific load allocation for the site, as specified in Section 2.2.9.3 of the general permit, documentation that the construction activity meets the requirements of that section and Section 5.2.3 of the general permit for authorization under this general permit.

iv. Indication or documentation to determine if the construction activity is located within an aquifer protection area (see Appendix C) as mapped under Section 22a-354b of the Conn. Gen. Stat. If the site is partially or wholly in an aquifer protection area or public water supply watershed, provide a copy of correspondence with the local water company demonstrating that the construction activity will comply with regulations adopted pursuant to Section 22a-354i of the Conn. Gen. Stat.

v. Documentation that the proposed construction activity has been reviewed for consistency with state Historic Preservation statutes, regulations, and policies including identification of any potential impacts on property listed or property eligible for listing on the Connecticut Register of Historic Places. A review conducted for an Army Corps of Engineers Section 404 wetland permit would meet this qualification. Refer to Appendix G for guidance on conducting the required review.

d. For a Locally Approvable project, a plan review certification from the appropriate and authorized District, qualified soil erosion and sediment control professional, and/or Qualified Professional engineer in accordance with Section 2.2.15.1 or Section 2.2.16.4.a or Section 2.2.16.4.b or a notice from the District that they were unable to complete the SPCP review within the time limits specified in the Memorandum of Agreement in Appendix E.

e. For construction activities within one hundred (100) feet of any stream, river, or tributary that is included within a Cold Water Stream Habitat, as may be authorized by the Commissioner pursuant to Section 2.2.10 of this general permit, a completed Fisheries Consultation Form or, for projects conducted by state agencies, documentation of official interagency coordination between the Fisheries Division and other state agency staff. An email is not considered official coordination.

3.4.1.8 Stormwater discharge information

a. Name and waterbody ID of receiving stream(s) or waterbody(ies) to which the construction activity discharges and indication of whether or not a receiving stream is listed as an impaired water with or without a TMDL, including identification of the impairment in the most recent State of Connecticut Integrated Water Quality Report or identification of the receiving stream as a high quality water in the Connecticut Water Quality Standards.

b. Number, type (e.g., swale or pipe), material (e.g., concrete or metal pipe, grass swale), and size of all outfalls that convey stormwater runoff from the site.

c. Unique identifier (001, 002) and location of all stormwater discharge(s) including latitude and longitude.

d. If the discharge enters a private or publicly owned storm sewer system, provide the name of the owner of the system.

e. Indication whether or not the site discharges within 500 feet of a tidal wetland (not a fresh tidal wetland).

f. Type of structural and nonstructural treatment practice used at each outfall or upgradient from each outfall if one exists.

3.4.1.9 The total effective impervious cover for the site before and after the proposed construction activity.

3.4.1.10 Stormwater Pollution Control Plan

a. An electronic copy of the Stormwater Pollution Control Plan. The electronic SPCP shall be in Adobe™ PDF format.

Provide an internet address (URL) where the Pollution Control Plan is accessible for public review. The internet address shall remain available and accessible during the term of the permit.

b. The SPCP should not include any pages or other material that do not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.). Also, the full calculation sheets for peak flow analysis (e.g. HydroCAD), other than sheets providing a brief summary of peak flow and Water Quality Volume analyses, should not be included in the SPCP. The full calculation sheets shall be available upon request by the Commissioner. *The submission of these additional pages in the SPCP will delay the Departments review of the application.*

c. SPCPs submitted for application must comply with all requirements listed in Section 5.2.1.2 of this general permit.

3.4.1.11 Certifications

a. The certification of the applicant and of the individual or individuals responsible for preparing the application, in accordance with Section 2.2.13 of the general permit.

b. A design certification must be signed by a professional engineer or, where appropriate, a landscape architect in accordance with Section 2.2.14 of the general permit.

c. For Locally Approvable projects a signed certification must be submitted by either:

i. An authorized representative of the District in accordance with Section 2.2.15 of the general permit.

ii. A qualified soil erosion and sediment control professional and/or Qualified Professional engineer in accordance with either Section 2.2.16 of the general permit.

d. The training certification(s) obtained by the Qualified Inspector.

3.4.2 Application for State or Federal Agency Design-Build Projects

3.4.2.1 Application for Site Preparation Projects

For a state or federal agency submitting an application for Early Release Construction (ERC) work for the Site Preparation Phase of a design-build project, the Permittee shall include in their application all information included in Section 3.4.1, above, except the peak flow and Water Quality Volume analyses in Section 3.4.1.10.b. The Permittee shall also not be subject to the Post-Construction Performance Standards in Section 5.2.2.9.

3.4.2.2 Application for Final Design Projects

For a state or federal agency submitting an application for the Final Design Phase of a design-build project, the Permittee shall include in their application all information included in Section 3.4.1, including identification of the Site Preparation Phase Permit number pursuant to Section 3.4.1.4.

3.5 Notice of Change

The Permittee shall submit a Notice of Change to the Commissioner electronically to the Department at: DEEP.StormwaterConstruction@ct.gov if any of the following criteria are met:

- To correct inaccurate or misleading information previously submitted to DEEP.
- Change of contractor.
- Changes to name of the project or site.
- Changes to the disturbed area on the site that reduces the distance to impaired waters, high quality waters, cold water habitat, endangered or threatened species habitat, or aquifer protection areas from those in the original SPCP. For increases of the disturbed area, see Section 3.6.
- Changes to engineered or non-engineered construction or post-construction Control Measures that have the potential to increase the rate or volume of stormwater discharged.

The Notice of Change shall be submitted before any such increases or changes are implemented. Changes to the SPCP documented under this section as well as those not requiring notice under this section shall continue to follow the provisions of Section 5.2.5, Keeping Pollution Control Plans Current.

3.6 New Application Required

For sites that increase the amount of disturbed area by more than one (1) acre from the amount specified in the application approved by the Commissioner, a new application shall be submitted to the Commissioner in accordance with Section 3 of the general permit.

3.7 Change of Permittee

Permit coverage is **not transferable.** When there is a change to the site's Permittee, the new Permittee must submit a new application to the Commissioner in accordance with Section 3 of this general permit within thirty (30) days following the date of transfer and the previous Permittee must submit a Notice of Termination (NOT) in accordance with Section 4 of this general permit.

3.8 Additional Information

The Commissioner may require an applicant to submit additional information that the Commissioner reasonably deems necessary to evaluate the consistency of the subject activity with the requirements for authorization under this general permit. A response to the Commissioner's request for additional information shall be submitted to the Department within fifteen (15) days of the Commissioner's request.

3.9 Where to File an Application and Stormwater Construction Pollution Plan

An application (available at: www.ct.gov/deep/stormwater) shall be filed electronically with the Commissioner in accordance with Section 3.4 of the general permit. If a permittee is not capable of submitting electronically, contact the DEEP stormwater staff at DEEP.StormwaterConstruction@ct.gov.

3.10 Availability of Application and Stormwater Pollution Control Plan

3.10.1 Application Availability

The application shall be made available for public review and comments by both the Permittee and the Commissioner.

3.10.1.1 Availability by the Permittee

a. No later than five (5) days after submitting an application to the Commissioner, the Permittee shall make their application available to the following parties:

   i. For discharges authorized by this general permit to a privately or publicly owned separate storm sewer system, a copy of the application that was submitted to the Department shall also be submitted to the owner and operator of that system.

   ii. For discharges authorized by this general permit to a CTDOT separate storm sewer system, a copy of the application and all attachments thereto shall also be submitted to the CTDOT.

   iii. For discharges within a public drinking water supply watershed or aquifer protection area, a copy of the application and the SPCP described in Section 5.2 of this general permit shall be submitted to the water company.

   iv. For discharges to river components and tributaries which have been designated as Wild and Scenic under the Wild and Scenic Rivers Act, a copy of the application and the SPCP described in 5.2 of this general permit shall be submitted to the applicable Wild and Scenic Coordinating Committee. Please refer to Appendix H for additional guidance.

b. A completed application shall be provided to the following persons immediately upon request:

   i. The municipal planning commission, zoning commission and/or inland wetlands agency, or its respective enforcement officer or designated agent.

c. Following approval of the application by the Commissioner, the Permittee shall make a copy of the application available to the public pursuant to the Notice of Construction Activities requirements in Section 5.1.7.

3.10.1.2 Availability by the Commissioner

The Commissioner shall post on the DEEP website a list of applications submitted. SPCPs shall be posted electronically, or a link to such plans provided, with the corresponding application. On or before thirty (30) days from the date such application is accessible to the public through posting by the Commissioner, members of the public may review and comment on an application and/or SPCP. This provision shall not apply to Permittee's submitting a Permit renewal for sites applied under any previous version of this general permit and for which no Notice of Termination has been submitted pursuant to the "Termination Requirements" in Section 4 of the general permit.

3.10.2 Stormwater Pollution Control Plan Availability

The Stormwater Pollution Control Plan ("SPCP") shall be made available for public review and comments by both the Permittee and the Commissioner.

3.10.2.1 Availability by the Permittee

The Stormwater Pollution Control Plan shall be provided to the following persons immediately upon request:

a. The municipal planning commission, zoning commission and/or inland wetlands agency, or its respective enforcement officer or designated agent.

b. If the stormwater discharges through a municipal separate storm sewer system, the municipal operator of the system.

c. If the stormwater discharge is located within a public drinking water supply watershed or aquifer protection area, the water company or entity responsible for that water supply.

d. Following approval of the application by the Commissioner, the Permittee shall make a copy of the SPCP available to the public for the duration of construction pursuant to the Notice of Construction Activities requirements of Section 5.1.7.

3.10.2.2 Availability by the Commissioner

a. On or before thirty (30) days of receipt of an application and SPCP, the Commissioner shall post the SPCP on the DEEP website.

b. On or before thirty (30) days from the date of posting of the list by the Commissioner, members of the public may submit written comments to the Commissioner. Comments shall be sent via email to DEEP.StormwaterConstruction@ct.gov with the subject line "Construction GP Comments [INSERT NAME OF PERMITTEE]."

3.11 Actions by Commissioner

3.11.1 Approval with Permit Conditions

The Commissioner may approve an application with reasonable permit conditions. If the Commissioner approves the application with conditions, the Permittee shall be bound by such conditions as if they are part of this general permit.

3.11.2 Rejection or Denial

The Commissioner may reject or deny without prejudice an application if it is determined that it does not satisfy the application requirements in Section 3 of this general permit, or if more than fifteen (15) days have elapsed since the Commissioner requested the Permittee submit additional information to determine eligibility for permit coverage for authorization to discharge under this general permit. Any application refiled after such a rejection shall be accompanied by the fee specified in Section 3.2.1 of this general permit.

3.11.3 Require Individual Permit

The Commissioner may require that a Permittee obtain an individual permit for any discharge authorized by this permit in accordance with Section 22a-430b(c) of the Conn. Gen. Statutes.

3.11.4 Activity Inconsistent with Authorization Requirements

The Commissioner may reject or deny an application if he or she finds that the subject activity is inconsistent with the "Requirements for Authorization" in Section 2.2 of this general permit, or for any other reason provided by law.

3.11.5 Notice to Applicant

Denial or rejection of an application under this subsection shall constitute notice to the applicant that the subject activity may not lawfully be conducted or maintained without the issuance of an individual permit in accordance with Section 22a-430 of Regs. Conn. State Agencies.

3.11.6 Notice in Writing

Rejection or denial of an application shall be provided to the applicant in writing and state the reasons for such rejection or disapproval.

Section 4 Termination Requirements

4.1 Notice of Termination

A Notice of Termination (NOT) must be submitted to the Commissioner on a prescribed form under the following conditions: at the completion of the construction project; or, for projects for which there is a Change of Permittee pursuant to Section 3.7, upon approval of a new permit authorized pursuant to Section 3.3.1.2; or for a state or federal agency with a Site Preparation Phase Permit authorized pursuant to Sections 3.3.2 and 3.4.2.1, upon approval of a Final Design Phase Permit authorized pursuant to Sections 3.3.2 and 3.4.2.2.

For Solar Array Projects, also refer to Appendix I for additional requirements.

4.2 Termination Requirements

4.2.1 Standard Termination

A project shall be considered complete after all post-construction measures have been installed, cleaned, functioning, inspected, and the site has achieved final stabilization as defined in Section 10 for all phases of construction for at least one (1) year following the Final Stabilization Inspection. The termination process for a project for which the Permittee has completed construction and is obtaining a Notice of Termination shall include the following information:

4.2.1.1 A Notice of Termination form shall include the following:

- The permit number as provided to the Permittee on the Notice of Coverage.
- The name of the Permittee as reported on the general permit application form.
- The address of the completed construction site.
- A description of the post-construction activities at the site.
- A copy of the Termination Inspection.

4.2.1.2 The dates when:

- Construction was completed.
- All storm drainage structures were cleaned of construction debris pursuant to the "Other Controls" in Section 5.2.2.11 of this general permit.
- The Post-Construction Inspection was completed pursuant to Section 5.2.4.3.
- The Final Stabilization Inspection was completed pursuant to Section 5.2.4.4.
- The Termination Inspection was completed pursuant to Section 5.2.4.5.

4.2.1.3 Certifications and Signatures for the following:

- The Permittee.
- The person who conducted the Post-Construction Inspection pursuant to Section 5.2.4.3 of the general permit.
- The person who conducted the Final Stabilization Inspection pursuant to Section 5.2.4.4 of the general permit.
- The person who conducted the Termination Inspection pursuant to Section 5.2.4.5 of the general permit.

4.2.2 Termination Upon Change of Permittee

For termination of a permit for which there is a change of Permittee (pursuant to Section 3.7), the original Permittee shall submit their Notice of Termination on or before thirty (30) days following the approval of an application filed by the new Permittee pursuant to Section 3.3.1.2. The original Permittee shall include the following information in their Notice of Termination:

4.2.2.1 A Notice of Termination form shall include the following:

- The permit number as provided to the original Permittee on their Notice of Coverage.
- The name of the original Permittee as reported on their general permit application form.
- The address of the construction site.
- The permit number as provided to the new Permittee on their Notice of Coverage.
- The name of the new Permittee as reported on their general permit application form.

4.2.2.2 The dates when:

- The date of transfer of ownership or assignment of the project to the new Permittee.
- The date the new Permittee obtained authorization as provided on their Notice of Coverage.

4.2.2.3 Certifications and Signatures for the following:

- The original Permittee.
- The new Permittee.

4.2.3 Termination of Site Preparation Phase for Design-Build Projects by a State or Federal Agency

For termination of a Site Preparation Phase Permit authorized pursuant to Sections 3.3.2 and 3.4.2.1, the original Permittee shall include the following information in their Notice of Termination following the approval of an application for a Final Design:

4.2.3.1 A Notice of Termination form shall include the following:

- The permit number as provided to the Permittee on the Notice of Coverage for the Site Preparation Phase Permit.
- The address of the construction site.
- The permit number as provided to the Permittee on the Notice of Coverage for the Final Design Phase Permit.

4.2.3.2 The date when the Permittee obtained authorization as provided on their Notice of Coverage for the Final Design Phase Permit.

4.2.3.3 Certifications and Signatures for the Permittee.

4.3 Where to File a Termination Form

A termination form shall be filed electronically with the Commissioner at the following address:

DEEP.StormwaterConstruction@ct.gov with the subject line "Construction GP Termination [INSERT NAME OF PERMITTEE]."

Section 5 Conditions of this General Permit

The Permittee shall, at all times, continue to meet the requirements for authorization set forth in this general permit. In addition, the Permittee shall ensure that authorized activities are conducted in accordance with the conditions in this section and the federal Effluent Limitation Guidelines 40 CFR§450—Construction and Development Point Source Category.

In the absence of information demonstrating otherwise, DEEP expects that compliance with the conditions in this permit will result in stormwater discharges being controlled as necessary to meet applicable water quality standards. If at any time the Permittee becomes aware, or DEEP determines, that discharges are not being controlled as necessary to meet applicable water quality standards, the Permittee must take corrective actions and document those actions. If during coverage under a previous permit, the Permittee was required to install and maintain stormwater controls specifically to meet the assumptions and requirements of an EPA-approved or established TMDL (for any parameter) or to otherwise control discharges to meet water quality standards, the Permittee must continue to implement such controls as part of their coverage under this permit. Failure to implement necessary corrective actions is considered a violation of this permit.

5.1 General Conditions

5.1.1 Structures and Dredging in Coastal and Tidal Areas

Any person or municipality who discharges stormwater into coastal tidal waters for which a permit is required under Section 22a-361 of the Conn. Gen. Stat. (structures and dredging) or Section 22a-32 of the Conn. Gen. Stat. (Tidal Wetlands Act), shall obtain such permit(s) from the Commissioner. A tidal wetland permit is required for any regulated activity conducted within a tidal wetland, including, but not limited to, the placement of any sediment upon a tidal wetland, whether it is deposited directly or indirectly.

5.1.2 Discharges to Tidal Wetlands

Any site which has a post-construction stormwater discharge to a tidal wetland (that is not a fresh-tidal wetland) where such discharge is within 500 feet of the tidal wetland, shall discharge such stormwater through a system designed to retain and infiltrate the Water Quality Volume ("WQV"), as defined in Section 10, on the site. If there are site constraints that would prevent retention of this volume on-site (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), documentation must be submitted, for the Commissioner's review and written approval, explaining the site limitations and offering an alternative retention volume for consideration. In such cases, the portion of the WQV that cannot be retained must be provided with additional stormwater treatment to protect water quality. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual.

For sites unable to comply with this section, the Commissioner, at the Commissioner's sole discretion, may require the submission of an individual permit in lieu of authorization under this general permit.

5.1.3 Quality of Discharge

The discharge shall not contain visible floating scum, oil, trash, or other matter contained in the stormwater discharge.

5.1.4 Toxicity to Aquatic and Marine Life/Risk to Human Health

The discharge shall not result in pollution which may cause or contribute to acute or chronic toxicity to aquatic life, impair the biological integrity of aquatic or marine ecosystems, result in unacceptable bioaccumulation, risk to human health, or ecological communities.

5.1.5 Water Quality Standards

The stormwater discharge shall not cause or contribute to an exceedance of the applicable Water Quality Standards or Criteria in the receiving water.

5.1.6 Inspections and Certifications

The following initial inspections and certifications shall apply to all projects:

5.1.6.1 Pre-Construction Meeting

Prior to commencement of any construction activity, the Permittee shall conduct a pre-construction meeting with the Qualified Professional who designed the project, the Qualified Inspector who will be conducting inspections, and all site contractors and subcontractors to be involved in construction activity. Such meeting shall convey the design, stormwater Control Measures, erosion and sediment controls, plan implementation and routine site inspections, and contract requirements for the project prior to earth disturbance. Such a meeting shall also include a site walk of the project site.

a. For Solar Arrays subject to Appendix I and any other project that may be reviewed and/or inspected by a representative of the District, the pre-construction meeting and site walk shall also include the appropriate District personnel.

b. For State of CT Agencies, the CTDOT District Engineer, District Environmental Coordinator, or the designated employee of another state agency shall conduct the pre-construction inspection

The Permittee shall develop and retain in the SPCP a pre-construction meeting report. The report shall, at a minimum, include the date, time, names and titles of attendees, company names, phone and email addresses for each attendee and their signature confirming the Permittee held a pre-construction meeting and that they understand the design, stormwater Control Measures erosion and sediment controls, plan implementation, routine site inspections and contract requirements for the project.

5.1.6.2 Contractor Certifications

The Permittee shall obtain signed certifications for all contractors and subcontractors that will perform construction activities on the site and that have the potential to cause pollution of the waters of the State. Such signed certifications shall be retained in the SPCP. Contractors and subcontractors shall certify the following:

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater from Construction Activities and the site-specific Stormwater Pollution Control Plan ("SPCP"). I understand that as a contractor or subcontractor at the site, I must comply with the terms and conditions of this general permit and the SPCP."

5.1.6.3 Construction Inspections

All construction site inspections shall be conducted in accordance with Section 5.2.4 of this general permit.

5.1.7 Post Notice of Construction Activities

Upon commencement of construction activities, the Permittee shall post a sign of permit coverage at a safe, publicly accessible location in close proximity to the construction site. The sign must be at least two (2) feet by three (3) feet in dimension, weatherproof, and in English and Spanish, located so it is visible and legible from the public road nearest to the active part of the construction. The notice shall include:

- the name of the Permittee.
- the DEEP permit number.
- the site address.
- a contact name.

- contact email and phone number.
- the estimated start date and completion date.
- the Permittee-hosted website or email where the SPCP and application are available or can be obtained.
- the following statement: "If you observe indicators of stormwater pollutants in the discharge from this site or in the receiving water, please contact the CT DEEP through the link for Reporting Water Pollution at: www.ct.gov/deep/stormwater".

For linear projects, such as roadways or utility rights-of-way, the Permittee shall post a sign at roadway crossings, public access points, and other areas where the public may reasonably view the notice.

The notice must be maintained on-site from the time construction activities begin until a Notice of Termination is approved.

5.2 Stormwater Pollution Control Plan

All Permittees shall develop and maintain on-site a Stormwater Pollution Control Plan ("SPCP") for the discharge of stormwater for the construction activity authorized by this general permit. Once the construction activity begins, the Permittee shall perform all actions required by such SPCP and shall maintain compliance with the SPCP at all times. The Permittee shall ensure that the design and implementation of the SPCP minimizes: (1) soil erosion and sedimentation during and after construction; and (2) stormwater pollution from the site after construction is completed.

5.2.1 Development and Required Elements of the Plan

5.2.1.1 The SPCP shall consist of site plan drawings, selected Best Management Practices ("BMPs"), Control Measures and a narrative described in this section. The SPCP shall be prepared in accordance with sound engineering practices, and shall be consistent with the Guidelines, the Stormwater Quality Manual (available at http://www.ct.gov/deep/stormwater) and any applicable requirements of this general permit. The SPCP shall also be consistent with any remedial action plan, closure plan or other plan required by any other DEEP permit.

5.2.1.2 The SPCP shall, at a minimum, take into account and include the following items:

a. Account for the following factors in designing stormwater controls:

- The expected amount, frequency, intensity, and duration of precipitation.
- The nature of stormwater runoff (i.e., flow) and run-on at the site, including factors such as expected flow from impervious surfaces, slopes, and site drainage features.
- The proximity to wetlands, vernal pools, and surface waters.
- The Permittee must design stormwater controls to control stormwater volume, velocity, and peak flow rates to minimize discharges of pollutants in stormwater and to minimize channel and streambank erosion and scour in the immediate vicinity of discharge points.
- The soil type and range of soil particle sizes that are expected to be present on the site.

b. Project Description and Construction Sequencing

The SPCP shall provide a detailed description of the entire project, including the expected phasing or sequence of all construction activities on the site, names of corresponding erosion and sediment Control Measures for each phase of the project, and an estimated timeline for all construction activities. The timeline must be revised as necessary to keep the SPCP current. Wherever practicable, site construction activities shall be phased to avoid the disturbance of over five (5) acres at one time (or a lesser area of disturbance as required in Section 5.2.3 of the general permit regarding "Impaired Waters"). In addition, perimeter Control Measures and permanent

stormwater Control Measures, including, but not limited to, stormwater basins should be constructed in the early phases of the construction sequence prior to large-scale site disturbance. The SPCP shall clearly show the estimated limits of total disturbance for the construction activity and for each phase.

The SPCP shall provide a detailed description of how each phase of construction will be conducted, including, but not limited to:

- commencement of construction activities in each portion of the site, including clearing and grubbing, mass grading, demolition activities, site preparation (i.e., excavating, cutting and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization.
- temporary or permanent cessation of construction activities in each portion of the site.
- temporary or final stabilization of exposed areas for each portion of the site.
- removal of temporary stormwater controls and construction equipment or vehicles.
- the cessation of construction-related pollutant-generating activities.

c. Site Description, including, but not limited to:

- a narrative description of the nature of the construction activity.
- an estimate of the total area of the site and the total area of the site that is expected to be disturbed by construction activities.
- an estimate of the average runoff coefficient of the site after construction activities are completed.
- the name of the immediate receiving water(s) and the ultimate receiving water(s) of the discharges authorized by this general permit.
- extent of the wetland acreage on the site.

d. Site plan drawings indicating:

- drainage patterns and approximate slopes anticipated after major grading activities.
- areas of soil disturbance.
- the location of major structural and non-structural controls as specified in Subsection 5.2.2.
- the location of areas where stabilization practices are expected to occur.
- areas of existing vegetation.
- areas which will be vegetated following construction.
- the locations of test pits and infiltration tests for stormwater Control Measures.
- surface waters, impaired waters (identifying those with and without a TMDL), high quality waters, inland wetlands, tidal wetlands, fresh-tidal wetlands.
- discharge locations and serial numbers where stormwater will be discharged to surface water (both during and post-construction).
- other surface or subsurface conditions that may affect design considerations regarding potential environmental impact.

e. Pollutants of Concern

The SPCP shall include a list and description of all pollutant-generating activities on the site, include an inventory of pollutants or pollutant constituents (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels)

associated with that activity, which could be discharged in stormwater from the construction site. The Permittee shall address the need for proper containment and/or storage of such potential pollutants to minimize the potential for the discharge of such pollutants from the site. The Permittee must consider where potential spills and leaks could occur that contribute pollutants to stormwater discharges, and any known hazardous or toxic substances, such as PCBs and asbestos, that will be disturbed or removed during construction.

f. Control Measures

The SPCP shall include detailed descriptions of all the Control Measures that will be implemented at the site, both in a separate narrative and on the site plan drawings, to prevent and minimize the discharge of pollutants to the BAT. Control Measures shall be implemented in accordance with Section 5.2.2 of the general permit. In addition, the following information shall be provided in the narrative for each Control Measure:

- calculations supporting the design of sediment and floatables removal controls pursuant to Section 5.2.2.10.b of the general permit.
- calculations supporting the design of velocity dissipation controls pursuant to Section 5.2.2.10.c of the general permit.

g. Runoff Reduction and Low Impact Development (LID) Information

Where runoff reduction practices and/or LID measures are utilized, the following information shall be included in the site plan and narrative description:

- the location of the site's existing streams, floodplains, wetlands, riparian buffers, slopes 3:1 and steeper, and the vegetation identified for preservation and non-disturbance during construction such as forested areas, hay fields, and other old agricultural fields.
- natural drainage patterns, swales, and other drainage ways, that are not streams, floodplains, or wetlands.
- the location of all areas with soils suitable for infiltration and areas of the site best suited for infiltration for the siting of runoff reduction practices and LID design measures.
- the location of all areas unsuitable or least suitable for infiltration for the siting of areas of development/building.
- the location of all test pits and infiltration tests in accordance with the Stormwater Quality Manual.
- the location of all post-construction stormwater management measures, runoff reduction practices, and LID design measures developed pursuant to Subsection 5.2.2.10 of the general permit.
- identification of areas inappropriate for the infiltration of stormwater runoff from land uses with a significant potential for groundwater pollution (e.g. brownfields sites).
- a description of the nature, purpose, implementation, and long-term maintenance of the post-construction stormwater management measures, runoff reduction practices, and LID design measures. Identify who will be responsible for the management of the post-construction stormwater Control Measures and the timeline for such management.
- calculations, for Control Measures developed pursuant to Section 5.2.2.9 of the general permit, illustrating the retention of the Water Quality Volume or half the Water Quality Volume for the site, as applicable, including a discussion of the impact of any runoff reduction and/or LID practices on these calculations.
- a narrative description for all site constraints that may prevent retention of the required Water Quality Volume specified in Section 5.2.2.9 of the general permit including: site limitations;

a description of the runoff reduction practices implemented; a demonstration and explanation that the amount retained is the Best Available Technology; an alternative retention volume; and a description of the measures used to provide additional stormwater treatment for sediment, floatables, bacteria, nutrients and metals above the alternate volume up to the Water Quality Volume.

- calculations showing the proposed effective impervious cover for the site and, where required or proposed for linear projects pursuant to Section 5.2.2.9.b of the general permit, each outfall drainage area.

h. Site Inspections

All inspections shall comply with the requirements and conditions of Section 5.2.4 of the general permit.

i. Plan Implementation Inspections

The SPCP shall include the following information for all completed inspections:

- Plan Implementation Inspection Checklist.
- a schedule for conducting inspections.
- name, credentials, and responsibilities for each inspector.
- name, credentials, and responsibilities of the designing Qualified Professional (and District personnel, as appropriate) conducting such inspections, and required procedures pursuant to Section 5.2.4 of the general permit.
- inspection findings.
- corrective actions required.
- signature of the inspector.
- for additional inspection requirements for Solar Arrays Projects see Appendix I.

ii. Routine Inspections

The SPCP shall include the following information for all complete inspections:

- a routine inspection checklist.
- schedule for conducting inspections.
- identification and qualifications of the Qualified Inspector(s) conducting the routine inspections and their responsibilities and procedures pursuant to Subsection 5.2.4.2 of the general permit.
- inspection findings.
- corrective actions required.
- signature of the Qualified Inspector.
- For additional inspection requirements for Solar Arrays Projects see Appendix I.

i. Contractors

i. The SPCP shall clearly identify each contractor and subcontractor that will perform construction activities on the site that have the potential to cause pollution of the waters of the State. The SPCP shall retain a signed and dated copy of each certification statement in accordance with Section 5.1.6.2 of the general permit.

ii. Subdivisions

Where individual lots in a subdivision or other common plan of development are conveyed or otherwise the responsibility of another person or municipality, the Permittee is responsible to ensure that those individual lot contractors comply with the provisions of this general permit and the Stormwater Pollution Control Plan, regardless of the lot size or disturbed area. In such cases, the Permittee shall provide a copy of the SPCP to each individual lot contractor, obtain their signed certification, and retain the documentation in the SPCP.

j. Impaired Waters

For construction activities that discharge to impaired waters, as specified in Section 2.2.9, the SPCP shall include a description of the provisions for controlling the preconstruction, active construction, and post-construction stormwater discharges to these waters pursuant to Section 5.2.3 below.

5.2.2 Stormwater Control Measures

Control Measures are required Best Management Practices ("BMPs") that the Permittee must implement to prevent or minimize, as defined in this permit, the discharge of pollutants from the permitted activity. The Permittee shall comply with all of the BMPs in this section.

Control Measures shall be designed in accordance with the Guidelines, the Stormwater Quality Manual or the CTDOT Qualified Products List (CTDOT QPL). Use of Control Measures to comply with Section 5.2.2.1 of this general permit ("Erosion and Sediment Controls"), that are not included in such references must be approved by the Commissioner. The narrative and drawings of controls shall address the following minimum components:

5.2.2.1 Erosion and Sediment Controls

a. Soil Stabilization and Protection

The SPCP shall include a narrative description and drawings of interim and permanent soil stabilization practices for managing disturbed areas and soil stockpiles, including a schedule for implementing the practices. The Permittee shall ensure that existing vegetation is preserved to the BAT and disturbed portions of the site are minimized and stabilized throughout the duration of the construction activity at the site.

b. Erosion Control Barriers

In addition to requirements for erosion control barriers prescribed in the Guidelines, the Permittee shall ensure that two (2) rows of erosion control barriers are installed and maintained on sites with slopes equal to or greater than eight percent (8%) within the contributing drainage area to such barrier.

Notwithstanding the foregoing, use of two (2) rows of erosion control barriers shall not be required on the sites specified in this paragraph when:

i. The Commissioner determines, for a limited section or portion of such erosion control barriers, that it is necessary to accommodate animal crossing or animal movement.

ii. The Commissioner approves a SPCP that includes an erosion control system whose performance is equivalent to, or exceeds, two rows of erosion control barriers.

iii. For linear projects, the Commissioner has determined that two rows of erosion control barriers, when compared to one row, will cause greater adverse impact to wetlands, waters, or other sensitive resources.

In such a situation the Commissioner may approve of a SPCP with one row of erosion control barriers or an alternative erosion control system. When implementing this paragraph, the Commissioner may consider the contributing disturbed area, drainage area, length of the slope,

flow conditions to maintain sheet flow, the efficacy of the proposed barrier, any adverse impacts and any other reasonable factor as determined by the Commissioner.

5.2.2.2 Soil Stabilization Timeline

Where construction activities have permanently ceased or when final grades are reached in any portion of the site, stabilization and protection practices as specified in the Guidelines or as approved by the Commissioner shall be initiated immediately and completed within seven (7) days. Notwithstanding any provisions of the Guidelines, areas that will remain disturbed but inactive for at least fourteen (14) calendar days shall receive temporary seeding or soil protection within seven (7) days in accordance with the Guidelines unless site conditions warrant shorter time periods for these provisions.

Areas that will remain disturbed beyond the seeding season as identified in the Guidelines, shall receive long-term, non-vegetative stabilization and protection sufficient to protect the site through the winter and spring when vegetative stabilization can resume. In all cases, stabilization and protection measures shall be implemented as soon as possible in accordance with the Guidelines or as approved by the Commissioner. In drought-stricken areas, alternative stabilization measures must be employed, as necessary, in accordance with the Guidelines.

5.2.2.3 Maintenance of Vegetation

To prevent erosion and soil compaction during construction activities, temporary or permanent vegetation or other ground cover shall be maintained at all times in all areas of the site, except those undergoing active disturbance. All new temporary and permanent vegetation shall consist of native plant species. With respect to such vegetation, the Permittee shall not use chemical fertilization, herbicides, or pesticides except as necessary to establish such vegetation in accordance with the manufactures label. The application of chemical pesticides and herbicides shall fully comply with all applicable laws and regulations. The Commissioner encourages the use of pollinator-friendly plant species and integrated pest management practices.

5.2.2.4 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 Qualified Professional engineer with experience in geotechnical engineering or soil mechanics. The qualifications, engineered analysis, and measures shall be included in the SPCP.

5.2.2.5 Wetland Protection

The Commissioner encourages the use of a one hundred (100) foot buffer from any wetland or watercourse. Where site disturbance occurs within fifty (50) feet upgradient of a wetland or waters a double row of sediment barriers (e.g. hay bales, silt fence, wattles, etc.) shall be installed in accordance with the Guidelines between the disturbed area and any such downgradient wetland or waters.

5.2.2.6 Structural Measures

The SPCP shall include a narrative description and drawings of structural measures to divert flows away from exposed soils, store flows or otherwise limit runoff and minimize the discharge of pollutants from the site. Unless otherwise specifically approved in writing by the Commissioner, or if otherwise authorized by another State of Connecticut or federal permit, structural measures shall be installed on upland soil.

For points of discharge from disturbed sites with a total contributing drainage area of between two (2) to five (5) acres, a temporary sediment trap or temporary sediment basin shall be designed and installed in accordance with the Guidelines. For points of discharge from disturbed sites with a total contributing

drainage area greater than five (5) acres, a temporary sediment basin shall be designed and installed in accordance with the Guidelines. Such trap(s) or basin(s) shall utilize outlet structures that withdraw water from the surface (surface outlet), if feasible, and must be maintained until final stabilization of the contributing area.

The requirement for sediment traps or basins shall not apply to flows from off-site areas and flows from areas of the site that are either undisturbed or have undergone final stabilization, provided such flows are diverted around the temporary sediment trap or basin and are approved in writing by the Commissioner.

5.2.2.7 Maintenance

The SPCP shall include a narrative of the procedures to maintain, in good and effective operating condition, all erosion and sediment BMPs and Control Measures, including vegetation, and all other protective measures identified in the SPCP. Maintenance of all erosion and sediment controls shall be performed in accordance with the Guidelines, or more frequently as necessary.

5.2.2.8 Dewatering

a. Dewatering shall be managed in accordance with the Guidelines. Stormwater discharged to surface waters shall be discharged in a manner that minimizes the discoloration of the receiving waters. The SPCP shall include a narrative description and identify in the drawings the operational and structural measures that will be used to ensure that dewatering waters will not cause scouring or erosion or contain suspended solids in amounts that could reasonably be expected to cause pollution of surface waters of the State or cause or contribute to instream water quality violations. Unless otherwise specifically approved in writing by the Commissioner, or if otherwise authorized by another state or federal permit, dewatering measures shall be installed on upland soil. If turbidity or discoloration or other pollutants are observed in the discharge from dewatering Control Measures, additional or alternate Control Measures or other corrective actions must be implemented in accordance with Section 5.2.4.2.c.i and the Guidelines. The Permittee shall document any corrective actions taken in their SPCP.

   No discharge of stormwater shall contain or cause a visible oil sheen, turbidity, floating solids, debris, trash, or foaming in the receiving water.

b. Turbidity Monitoring

   For construction activities with dewatering operations, the Permittee shall carry out initial and weekly monitoring for turbidity from each dewatering discharge point for the duration of dewatering operations. Samples shall be taken after the dewatering water has been treated by any treatment device or control measure. The Permittee shall measure turbidity in accordance with 40 CFR 136. The Permittee shall take the first turbidity measurement within 30 minutes of initiating the dewatering discharge. Following this initial monitoring, the Permittee shall conduct weekly monitoring during the Routine Inspection pursuant to Section 5.2.4.2. A record of the turbidity monitoring results shall be kept on-site with the SPCP and submitted to the Commissioner pursuant to Section 5.3.2.2.

c. In the absence of information demonstrating otherwise, DEEP expects that compliance with the conditions in this permit will result in stormwater discharges being controlled as necessary to meet applicable water quality standards. If the Permittee is aware of, or becomes aware of, or has reasonable suspicion of contamination onsite from historical activities or the site may have contaminated groundwater, or if any pollutants are known or believed present in the proposed dewatering discharge water, the applicant or Permittee shall apply for coverage under the appropriate permit for authorization to discharge to surface water, ground water, or a POTW. That permit will only cover the treatment and discharge of the contaminated water and will remain active until the cessation of dewatering activities.

d. For the purposes of this condition, a pollutant may be verified as "known present" if measured above the analytical detection limit using a sufficiently sensitive test method in an environmental sample, and "believed present" if a pollutant has not been measured in an environmental sample but will be added or generated prior to discharge, such as through a treatment process. Consequently, a pollutant may be verified as "known absent" if measured as non-detect relative to the analytical detection limit using a sufficiently sensitive test method in an environmental sample, and "believed absent" if a pollutant has not been measured in an environmental sample but will not be added or generated prior to discharge and is not a parameter that applies to the applicable activity category for a site. If any pollutants are known or believed present in the proposed dewatering discharge water, the applicant shall test one sample of the proposed dewatering discharge water for the pollutants known or believed to be present.

5.2.2.9 Post-Construction Performance Standards

The SPCP shall include a narrative description and drawings of measures that will be installed during the construction process to minimize the discharge of pollutants in stormwater discharges that will occur after construction operations have been completed. Permittees are encouraged to consider the potential need for future resiliency measures to minimize impacts from stormwater discharges from major storm events such as hurricanes, storm surge, extreme/heavy precipitation, and flooding events. Post-construction stormwater management measures shall be designed and implemented in accordance with the Stormwater Quality Manual, the CTDOT Qualified Products List, or as approved by the Commissioner. Unless otherwise specifically provided by the Commissioner in writing, or authorized by another state or federal permit, structural measures shall be placed on upland soils. The SPCP shall include provisions to address the long-term maintenance of any postconstruction stormwater management measure installed.

The Permittee shall utilize runoff reduction practices as defined in Section 10 of this general permit to meet runoff volume requirements based on the conditions below.

a. Redevelopment

For sites that are currently developed with an effective impervious cover of forty percent or more and for which the Permittee is proposing redevelopment, the Permittee shall design the site in such a manner as to retain on-site half the water quality volume (as defined in Section 10 of the general permit) 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 BAT. In cases where the Permittee is not able to retain half the Water Quality Volume (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), the Permittee shall design the redevelopment to retain a runoff volume to the BAT. In such cases, additional stormwater treatment up to the full Water Quality Volume is still required. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual. If retention of half the Water Quality Volume is not achieved, the Permittee shall submit a report for the Commissioner's review and written approval describing: the measures taken to maximize runoff reduction practices on the site; the reasons why those practices constitute the BAT; the alternative retention volume; and a description of the measures used to provide additional stormwater treatment above the alternate volume up to the Water Quality Volume.

For sites falling under this subsection, where redevelopment only impacts a portion of a previously developed site, the retention of half the Water Quality Volume shall be calculated based on the area of the site and stormwater management system that is disturbed as part of the redevelopment.

b. Linear Redevelopment

In the case of linear redevelopment projects (e.g. roadway reconstruction or widening or public utility rights of way) for the developed portion of the right of way: (1) for projects that may be unable to comply with the retention of the appropriate portion of the Water Quality Volume

specified in subparagraphs (a) and (c) of this subsection, the alternate retention and treatment provisions may also be applied as specified in such subparagraphs, or (2) for projects that will not increase the effective impervious cover within a given watershed, the Permittee shall implement the additional stormwater treatment measures referenced in Subsections (a) and (c) of this subsection, but will not be required to retain the appropriate portion of the Water Quality Volume specified in such paragraphs.

c. Other Development

The following performance standard applies to all sites that are currently undeveloped or are currently developed with less than forty percent effective impervious cover. For these sites, the Permittee shall design the site to retain the Water Quality Volume for the site. If there are site constraints that would prevent retention of this volume on-site (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), documentation must be submitted, for the Commissioner's review and written approval, which: explains the site limitations; provides a description of the runoff reduction practices implemented; provides an explanation of why this constitutes the BAT; offers an alternative retention volume; and provides a description of the measures used to provide additional stormwater treatment for sediment, floatables and nutrients above the alternate volume up to the Water Quality Volume. In the case of linear projects that do not involve impervious surfaces (e.g. electrical transmission rights-of-way or natural gas pipelines), retention of the Water Quality Volume is not required as long as the post-development runoff characteristics do not differ significantly from pre-development conditions.

For redevelopment sites falling under this subsection, where redevelopment only impacts a portion of a previously developed site, the retention of the Water Quality Volume shall be calculated based on the area of the site and stormwater management system that is disturbed as part of the redevelopment.

5.2.2.10 Post-Construction Control Measures

a. Runoff Reduction and Low Impact Development ("LID") Practices

The site design shall incorporate runoff reduction practices, low impact development ("LID") practices or other post-construction Control Measures to meet the performance standards in Section 5.2.2.9 above, promote groundwater recharge and minimize post-construction impacts to water quality.

b. Suspended Solids and Floatables Removal

The Permittee shall install post-construction stormwater Control Measures designed to minimize the discharge of suspended solids and floatables (e.g. oil and grease, other floatable liquids, floatable solids, trash, etc.) from stormwater. A goal of 80 percent removal of the annual sediment load from the stormwater discharge shall be used in designing and installing such stormwater Control Measures. The SPCP shall provide calculations supporting the capability of such measures in achieving this goal and any third-party verification, as applicable, of the sediment removal efficiencies of such measures. This goal is not intended to limit local approval authorities from requiring a higher standard pursuant to local requirements.

c. 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 to receiving waters so that the natural physical and biological characteristics and functions of such waters are maintained and protected.

5.2.2.11 Other Controls

The following additional controls shall be implemented:

a. Waste Disposal

Best management practices shall be implemented to minimize the discharge of litter, debris, building materials, hardened concrete waste, or similar materials to waters of the State. The Permittee shall ensure that waste storage containers, including, but not limited to, dumpsters or tanks, be covered and leak proof to prevent stormwater from coming into contact with solid or liquid waste. A narrative of these practices shall be provided in the SPCP. In addition, the dumping of liquid wastes in storm sewers is prohibited.

b. Washout Areas

Washout of applicators, containers, vehicles and equipment for concrete, paint and other materials shall be conducted in a designated washout area. There shall be no surface discharge of washout wastewater from this area. Such a washout shall be conducted:

- outside of any buffers.
- as far away as possible, but at least fifty (50) feet, from any stream, wetland, storm drain inlet, or other sensitive resource.
- in an area directed into a leak-proof container or leak-proof and lined pit designed so no overflows can occur due to inadequate sizing or precipitation in accordance with 40 CFR 450.21(e).

The Permittee shall clearly flag off and designate areas to be used for washing and conduct such activities only in these areas. The Permittee shall direct all wash water into a container or pit designed such that no overflows can occur during rainfall or after snowmelt. At least once per week, the Permittee shall inspect all the containers or pits used for washout to ensure structural integrity, adequate holding capacity, and to check for leaks or overflows. If there are signs of leaks, holes or overflows in the containers or pits that could lead to discharge, the Permittee shall repair them prior to further use.

For concrete washout areas, the Permittee shall remove hardened concrete waste whenever the hardened concrete has accumulated to a height of ½ of the container or pit or as necessary to avoid overflows. The Permittee shall remove and dispose of such hardened concrete waste in accordance with the practices developed for "Waste Disposal" (see Section 5.2.2.11.a of this general permit).

A narrative of maintenance procedures and a record of maintenance and inspections shall be included in the SPCP.

c. Off-site Vehicle Tracking & Dust Suppression

i. Off-site vehicle tracking of sediments and the generation of dust shall be minimized. A construction entrance shall be installed and maintained in accordance with the Guidelines, including appropriately configured measures for vehicle washdown.

ii. Where sediment has been tracked-out from the site onto paved roads, sidewalks, or other paved areas outside of the site, the Permittee shall remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. The Permittee shall remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. The Permittee is prohibited from hosing or sweeping tracked-out sediment into any constructed or natural site drainage feature, storm drain inlet or receiving water.

iii. Wet dust suppression shall be used, in accordance with Section 22a-174-18(c) of the Regs. Conn. State Agencies, for any construction activity that causes airborne particulates. The volume of water sprayed for controlling dust shall be minimized to prevent the runoff of water. No discharge of dust control water shall contain or cause a visible oil sheen, floating

solids, visible discoloration, or foaming agents in any receiving waters. Additionally, water used in dust suppression shall not contain contaminants that could violate water quality standards.

d. Cleaning

All post-construction stormwater structures shall be cleaned of construction sediment and any remaining silt fence shall be removed upon stabilization of the site.

e. Storage of Chemicals, Petroleum Products, and Other Potential Pollutant Sources

All chemical and petroleum product containers stored on the site (excluding those contained within vehicles and equipment) shall be stored within an impermeable containment system that is free of gaps and cracks, can contain any leaks or spills and accumulated precipitation until the collected materials are detected and removed, and which can 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 system. In addition, all chemicals and petroleum products shall be stored under a roofed area except for those chemicals stored in containers of 100-gallon capacity or more, in which case a roof is not required. Double-walled tanks satisfy the requirements of this paragraph for containment and roofing.

Covered storage shall be provided for all non-liquid potential pollutant sources such as fertilizers, pesticides, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, and other potential pollutant sources stored on-site. For liquid pollutants, including, but not limited to, paints and solvents, containment shall be considered adequate if it meets the requirements for chemical and petroleum storage in the previous paragraph.

f. Emergency Spill Response

Spills of oil, grease, or other harmful chemicals must immediately be cleaned by the removal of and containment of contaminated soil or emergency spill kit. An emergency spill kit, or alternative proprietary device, must be present and accessible on site for emergency removal of oil, grease, or chemical spills. For reportable spills per Regs. Conn. State Agencies 22a-430-3 subsection (p), the Permittee shall call the DEEP Emergency Response Unit at (860)424-3338.

g. Cold Water Stream Habitat

For construction activities within one hundred (100) feet of any stream, river, or tributary that is included within a Cold Water Stream Habitat, as may be authorized by the Commissioner pursuant to Section 2.2.10 of this general permit, any mitigation strategies authorized by the Commissioner must be verified post-construction by the designing qualified professional.

5.2.3 Additional Conditions for Impaired Waters

For construction activities that discharge directly to impaired waters for sediment or sediment-related impairments, as specified in "Discharges to Impaired Waters" in Section 2.2.9.2 of this general permit, the SPCP shall include the following provisions:

- Where an applicable TMDL sets specific load allocations or requirements for discharges authorized by this permit, discharges shall be consistent with any specific load allocations or requirements established by the applicable TMDL.
- Where an applicable TMDL has been established**,** but no specific requirements have been identified, compliance with this permit will be assumed to be consistent with the approved TMDL.
- The SPCP shall document that Control Measures are in place to ensure there will be no discharge to the waterbody that may impact or exceed the allocations.

5.2.4 Inspections

All construction activities authorized by this general permit shall be inspected initially for SPCP implementation as describe in Section 5.1.6, and then routinely pursuant to Section 5.2.4.2. Upon project completion and prior to submission of a Notice of Termination, post-construction, final stabilization, and Termination Inspections shall also be conducted. For Solar Array inspections, see additional requirements in Appendix I.

5.2.4.1 Plan Implementation Inspections

Prior to commencement of each phase of the construction activity on the site, the Permittee shall contact the designing Qualified Professional and, for Locally Exempt projects including, but not limited to, Solar Arrays subject to Appendix I, the appropriate District, to ensure that all required inspections are conducted. For each phase of construction, the site shall be inspected at least once within the first thirty (30) days of construction activity and at least three times, with seven (7) or more days between inspections, within the first ninety (90) days of construction activity to confirm compliance with the general permit and proper initial implementation of all Control Measures designated in the SPCP for each phase of construction. The following conditions shall apply:

a. For all projects not conducted by a state agency and which disturb more than one (1) acre, the inspector shall be someone who:

   i. Is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the applicant, and

   ii. Has no ownership interest of any kind in the project for which the application is being submitted.

b. For projects conducted by a state agency and which disturb more than one (1) acre, the inspector shall be someone who:

   i. Meets the requirements in subparagraph (a), above, or

   ii. Is included in the list of Qualified Professionals specified in Section 2.2.17.1 of the general permit.

5.2.4.2 Routine Inspections

The Permittee shall routinely inspect the site for compliance with the general permit, including, but not limited to, compliance with the SPCP for the site, until a Notice of Termination under Section 4 of the general permit has been submitted to the Commissioner. Inspection procedures for these routine inspections shall comply with the following:

a. The Permittee shall maintain a rain gauge on-site to document rainfall amounts. At least once a week and within 24 hours of the end of a storm that generates a discharge, a Qualified Inspector (provided by the Permittee), shall inspect, at a minimum, the following: disturbed areas of the construction activity that have not been finally stabilized; site discharge outfalls; dewatering discharges; all erosion and sediment Control Measures; all structural Control Measures; all soil stockpile areas; all washout areas, and locations where vehicles enter or exit the site. If at all possible, the inspection shall be conducted during an active rain event. For storms that end on a weekend, holiday or other time after which normal working hours will not commence within 24 hours, a routine inspection is required within 24 hours only for storms that equal or exceed 0.5 inches. For storms of less than 0.5 inches, an inspection shall occur immediately upon the start of the subsequent normal working hours.

   In areas of the site where temporary stabilization has been implemented, a routine inspection shall be conducted at least weekly until final stabilization has been achieved. Once all post-construction stormwater measures have been installed in accordance with the Post-Construction Stormwater Management and cleaned of any construction sediment or debris, a Post-Construction Inspection shall be conducted. For sites that have achieved final stabilization pursuant to Section 5.2.4.4, routine inspections shall then be conducted at least monthly.

b. During each routine inspection the Qualified Inspector(s) shall, among other things, evaluate the effectiveness of erosion and sediment controls, structural controls, stabilization practices, and any other controls implemented to prevent pollution and determine if it is necessary to install, maintain, or repair such controls and/or practices to improve the quality of stormwater discharge(s). In addition, during each routine inspection, the site, including but not limited to, all of the areas noted in the preceding paragraph, shall be inspected for evidence of, or the potential for, the discharge of pollutants (such as sediment, discoloration, floatables, sheen, etc.) to waters or entering the drainage system, and impacts to the receiving waters. Turbidity monitoring pursuant to Section 5.2.2.8.b may also be conducted during these inspections. Locations where vehicles enter or exit the site shall also be inspected for evidence of off-site sediment tracking.

c. The Qualified Inspector conducting routine inspections shall prepare a report on each inspection. Each such report shall be retained in the SPCP. This report shall summarize: the scope of the inspection; name(s) and qualifications of personnel conducting the inspection; the date(s) of the inspection; weather conditions including precipitation information; major observations relating to erosion and sediment controls and the implementation of the SPCP; a description of the stormwater discharge(s) from the site, including any evidence of pollutant discharge; and any water quality monitoring performed during the inspection.

   The report shall be signed by the Permittee or his/her authorized representative in accordance with the Certification of Documents this general permit. 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 SPCP and permit. If the site inspection indicates that the site is out of compliance, the Permittee shall implement corrective actions pursuant to subsection i, below.

   i. Corrective Actions

      If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the corrective actions required to bring the site back into compliance. Non-engineered corrective actions (as identified in the Guidelines) shall be implemented on site within 24 hours and incorporated into a revised SPCP within three (3) calendar days of the date of inspection unless another schedule is specified in the Guidelines. Engineered corrective actions (as identified in the Guidelines) shall be implemented on site within seven (7) calendar days and incorporated into a revised SPCP within ten (10) calendar days of the date of inspection, unless another schedule is specified in the Guidelines or is approved by the Commissioner. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures shall be implemented to minimize the potential for the discharge of pollutants from the site. If the Permittee must repeatedly (i.e., three (3) or more times) make the same routine maintenance fixes to the same control at the same location, even if the fix can be completed within the time periods prescribed above, the designing Qualified Professional shall investigate and develop a revised control measure to remedy the failure. A record of all corrective actions shall be maintained in the SPCP.

d. For solar projects under Appendix I, or other projects at the Commissioner's request, a copy of each inspection report shall be submitted electronically to the Department at: DEEP.StormwaterConstruction@ct.gov

e. Inspectors from DEEP and the appropriate District, where applicable, may inspect the site to verify compliance with this general permit at any time construction activities are ongoing, and upon completion of construction activities, until a Notice of Termination has been accepted by the Commissioner pursuant to Section 4 of the general permit.

5.2.4.3 Post-Construction Inspection

a. For Locally Approvable projects, once all post-construction stormwater measures have been installed in accordance with Section 5.2.2.10 of the general permit, Post-Construction Stormwater

Management, and cleaned of any construction sediment or debris, the Permittee shall ensure that the appropriate Conservation District or a Qualified Professional, as appropriate, inspects the site to confirm site stabilization and compliance with the post-construction stormwater management requirements. The Permittee shall ensure that the person inspecting the site pursuant to this paragraph is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the Permittee and that such person has no ownership interest of any kind in the project for which the site's application was submitted. A report shall be prepared and certified in accordance with Sections 4.2.2, 5.1.6, and 5.2.1.2.h of the general permit to indicate compliance with this requirement on the Notice of Termination form.

b. For Locally Exempt Projects except those conducted by state agencies, once all post-construction stormwater measures have been installed in accordance with the Section 5.2.2.10 of the general permit, "Post-Construction Control Measures" and cleaned of any construction sediment or debris, the Permittee shall ensure that a qualified soil erosion and sediment control professional or a Qualified Professional Engineer inspects the site to confirm site stabilization and compliance with the post-construction stormwater management requirements of the general permit. A report shall be prepared and certified in accordance with Sections 4.2.2, 5.1.6, and 5.2.1.2.h of the general permit to indicate compliance with this requirement on the Notice of Termination form.

c. For projects conducted by state agencies, once all post-construction stormwater measures have been installed in accordance with the Post-Construction Stormwater Management in Subsection 5.2.2.10 and cleaned of any construction sediment or debris, the CTDOT District Engineer or his/her designee and/or CTDOT District Environmental Coordinator, or the designated employee of another state agency, will inspect the site to confirm site stabilization and compliance with the post-construction stormwater management requirements of the general permit.

5.2.4.4 Final Stabilization Inspection

For all projects, once the site has achieved final stabilization, as defined in Section 10, the Permittee shall have the site inspected by a Qualified Professional Engineer (and, for Solar Array Projects subject to Appendix I, the appropriate District). This inspection shall confirm that all temporary erosion and sedimentation measures (silt fence, haybales, etc.) have been removed, all areas of the site are fully stabilized and vegetated, and that all post-construction stormwater management measures are implemented and functioning as designed. The inspection report shall include ground and/or aerial photographs to document final stabilization. All photographs must be clear and in focus, and in the original format and resolution; and include the date each photograph was taken, and a brief description of the area of the site captured by the photograph (e.g., photo shows full establishment of vegetation on northeast corner of site).

5.2.4.5 Termination Inspection

For all projects, except Solar Array Projects conducted pursuant to Appendix I, once the site has maintained final stabilization for at least one (1) year following the Final Stabilization Inspection, the Permittee shall have the site inspected by a Qualified Inspector to confirm such stabilization has been maintained. The inspection report shall include ground or aerial photographs to document final stabilization. All photographs must be clear and in focus, and in the original format and resolution; and include the date each photograph was taken, and a brief description of the area of the site captured by the photograph (e.g., photo shows application of seed and erosion control mats to remaining exposed surfaces on northeast corner of site). The Permittee shall submit the Termination Inspection report with the Notice of Termination form.

a. No Termination Inspection is required for permits terminated by a Change of Permittee pursuant to Section 3.7 or for Site Preparation Phases authorized under a state or federal agency design-build project.

5.2.5 Keeping Pollution Control Plan Current

The Permittee is responsible for keeping the SPCP in compliance with this general permit at all times. This may involve any or all of the following:

5.2.5.1 The Permittee shall amend the SPCP if the actions required by the SPCP fail to prevent pollution or unauthorized discharges to the waters of the State or fail to comply with any other provision of this general permit. The SPCP shall also be amended whenever there is an addition of or change in contractors or subcontractors at the site, the designing Qualified Professional, District personnel, or a change in design, construction, operation, or maintenance at the site which has not otherwise been addressed in the SPCP. The Permittee shall comply with Section 3.5 if submission of a Notice of Change is required pursuant to that section.

5.2.5.2 The Commissioner may notify the Permittee at any time that the SPCP or the site does not meet one or more requirements of this general permit. Within seven (7) days of such notice, or such other time as the Commissioner may allow, the Permittee shall make the required changes to the SPCP and perform all actions required by such revised SPCP. Within fifteen (15) days of such notice, or such other time as the Commissioner may allow, the Permittee shall submit to the Commissioner a written certification that the requested changes have been made and implemented and such other information as the Commissioner requires. Any such certification or information shall be submitted in accordance with the 'Duty to Provide Information" and "Certification," Sections 8.9 and 8.21.4 of this general permit.

5.2.5.3 The Permittee shall ensure qualified persons maintain this SPCP at all times.

5.2.5.4 The Permittee shall retain as part of the SPCP all modifications, and any documentation associated with each modification, made under this section.

5.2.5.5 Failure to Prepare, Maintain or Update Plan

In no event shall failure to complete, maintain or update a SPCP, in accordance with the "Development and Required Elements of the Plan" in Subsections 5.2.1 and 5.2.5 of this general permit, excuse non-compliance or relieve a Permittee of responsibility to implement any actions required to protect the waters of the State or comply with the requirements of this permit.

5.2.5.6 Plan Signature

The SPCP shall be signed and certified as follows:

a. The SPCP shall be signed by the Permittee in accordance with Section 8.21.4 of this general permit.

b. The SPCP shall include certification by all contractors and subcontractors in accordance with Section 5.2.1.2.i of this general permit.

c. The SPCP shall include a copy of the certification by a professional engineer or landscape architect made in accordance with Section 2.2.14 of this general permit.

5.2.5.7 Plan Review Certification

For a Locally Approvable project pursuant to Section 3.3.2 of this general permit, a copy of the SPCP Review Certification made in accordance with Section 2.2.15 or 2.2.16 of this general permit, as applicable, shall be maintained with the SPCP. (Note: Construction activities reviewed and certified pursuant to those Sections are still subject to the local erosion and sediment control and stormwater management regulations of the municipality in which the activity is conducted.)

5.3 Reporting and Record Keeping Requirements

5.3.1 Record Keeping

5.3.1.1 For a period of at least five (5) years from the date the Notice of Termination is accepted by the Commissioner, the Permittee shall retain copies of the SPCP and all reports required by this general permit, and records of all data used to complete the application for this general permit, unless the Commissioner specifies another time period in writing.

5.3.1.2 The Permittee shall retain an updated copy of the SPCP required by this general permit at the construction site from the date construction is initiated at the site until the date construction at the site is completed and the site is fully stabilized.

5.3.1.3 Inspection records must be retained as part of the SPCP for a period of five (5) years after the date of inspection. In addition, the following inspection reports shall be kept on-site with the SPCP and shall be submitted to the Commissioner upon request:

a. Plan Implementation Inspections conducted in accordance with Section 5.1.6.3 and recorded on checklist forms prepared pursuant to Section 5.2.1.2.h.i.

b. Routine Inspections conducted in accordance with Section 5.2.4.2 and recorded on checklist forms prepared pursuant to Section 5.2.1.2.h.ii.

5.3.1.4 Plan Modification

SPCP modifications made pursuant to Section 5.2.5.4 of this general permit and any documentation associated with such modification shall be kept on-site with the SPCP.

5.3.2 Reporting

5.3.2.1 All reports requested by the Commissioner, except turbidity monitoring reports pursuant to Section 5.2.2.8.b, shall be provided to the Commissioner within the timeframe specified in any request by the Commissioner, and if no timeframe is specified, no later than thirty (30) days after the date of any such request. If requested by the Commissioner, the reports shall be submitted to the Commissioner by email to DEEP.StormwaterConstruction@ct.gov. Solar Array Projects subject to Appendix I shall also submit the reports prescribed in that Section of the permit by email.

5.3.2.2 Turbidity Monitoring Reports

Records of turbidity monitoring conducted pursuant to Sections 5.2.2.8.b. shall be submitted to the Commissioner on the first day of each month following the initiation of the dewatering discharge for as long as the discharge exists. Turbidity Monitoring Reports shall be submitted by email to DEEP.StormwaterConstruction@ct.gov with the subject line “Construction turbidity monitoring” on forms prescribed by the Commissioner.

Section 6 Duty to Correct, Record, and Report Violations

6.1 Corrective Actions

Immediately upon learning of a violation of a condition of this general permit, the permittee shall immediately take all reasonable actions to determine the cause of the violation, correct the violation, mitigate the impact of the violation, and prevent its recurrence.

6.2 Reporting Violations

6.2.1 Noncompliance with Permit Terms or Conditions

In accordance with Section 22a-430-3(j)(8), 22a-430-3(j)(11)(D), 22a-430-3(k)(4), and 22a-430-3(i)(3) of the RSCA, the Permittee shall notify the Commissioner of the following actual or anticipated noncompliance with the terms or conditions of this permit within two hours of becoming aware of the circumstances. All other actual or anticipated violations of the permit shall be reported to the Commissioner within 24 hours of becoming aware of the circumstances:

- a noncompliance that is greater than two times an effluent limitation.
- a noncompliance of any minimum or maximum daily limitation or excursion beyond a minimum or maximum daily range.
- any condition that may endanger human health or the environment.
- a failure or malfunction of monitoring equipment used to comply with the monitoring requirements of this permit.
- any actual or potential bypass of the Permittee's collection system or treatment facilities.
- expansions or significant alterations of any wastewater collection, treatment components, or its method of operation for the purpose of correcting or avoiding a permit violation.

Notifications shall be submitted via the Commissioner's online Noncompliance Notification Form:

https://portal.ct.gov/deep/water-regulating-and-discharges/stormwater/stormwater-management

6.2.2 Five-Day Follow Up Report

Within five (5) days of any notification of noncompliance in accordance with this permit, the Permittee shall submit a follow-up report within five days of the noncompliance using the Commissioner's online Noncompliance Follow-up Report Form:

https://portal.ct.gov/deep/water-regulating-and-discharges/stormwater/stormwater-management

The follow-up report shall contain, at a minimum, the following information:

- a description of the noncompliance and its cause.
- the period of noncompliance, including exact dates and times.
- if the noncompliance has not been corrected, the anticipated time it is expected to continue.
- steps taken or planned to correct the noncompliance and reduce, eliminate and prevent recurrence of the noncompliance.

Notification of an actual or anticipated noncompliance or site modification does not stay any term or condition of this permit.

6.2.3 Additional Notification Requirements

In accordance with Section 22a-430-3(j)(11)(ED) of the RSCA, the Permittee shall notify the Commissioner within seventy-two (72) hours and in writing within 30 days when he or she knows or has reason to believe that the concentration in the discharge of any substance listed in the application, or any toxic substance as listed in Appendix B or D of RSCA Section 22a-430-4, has exceeded or will exceed the highest of the following levels:

- one hundred micrograms per liter.
- two hundred micrograms per liter for acrolein and acrylonitrile, five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony.
- an alternative level specified by the Commissioner, provided such level shall not exceed the level which can be achieved by the permittee's treatment system.

The 72-hour initial notifications and thirty (30) day follow-up reports shall be submitted via the Commissioner's online Noncompliance Follow-up Report Form. The Forms are available on the DEEP website here:

https://portal.ct.gov/deep/water-regulating-and-discharges/stormwater/stormwater-management

Section 7 Regs. Conn. State Agencies Incorporated into this General Permit

The Permittee shall comply with all laws applicable to the subject discharges, including but not limited to, the following Regs. Conn. State Agencies which are hereby incorporated into this general permit, as if fully set forth herein:

7.1 Section 22a-430-3

Subsection (b) General
Subsection (c) Inspection and Entry
Subsection (d) Effect of a Permit
Subsection (e) Duty to Comply
Subsection (f) Proper Operation and Maintenance
Subsection (g) Sludge Disposal
Subsection (h) Duty to Mitigate
Subsection (i) Facility Modifications, Notification
Subsection (j) Monitoring, Records and Report Requirements
Subsection (k) Bypass
Subsection (m) Effluent Limitation Violations
Subsection (n) Enforcement
Subsection (p) Spill Prevention and Control
Subsection (q) Instrumentation, Alarms, Flow Recorders
Subsection (r) Equalization

7.2 Section 221-430-4

Subsection (a) Duty to Apply
Subsection (b) Duty to Reapply
Subsection (c) Application Requirements
Subsection (0) Permit or Application Transfer
Subsection (p) Revocation, Denial, Modification
Subsection (q) Variances
Subsection (t) Prohibitions

Section 8 Standard Conditions

The following standard conditions have been included in this general permit for the convenience of the permittee and are generally duplicative of the incorporated regulations in Section 6 of this general permit. If there are conflicting requirements, the regulations in Section 22a-430 take precedence.

8.1 Inspection and Entry

The Commissioner or his or her authorized representative may take any actions authorized by Sections 22a-6 (5), 22a-425 or 22a-336 of the Conn. Gen. Stat. as amended.

8.2 Reliance on Application

When evaluating an application, the Commissioner relies on information provided by the applicant. If such information proves to be false or incomplete, the authorization issued under this general permit may be suspended or revoked in accordance with law, and the Commissioner may take any other legal action provided by law.

8.3 Submission of Documents

Any document, other than a DMR, required to be submitted to the Commissioner under this Section of the permit will, unless otherwise specified in writing by the Commissioner or through this general permit, be directed to DEEP.StormwaterConstruction@ct.gov with the subject line: "ATTN: Construction Stormwater GP".

8.4 Violations

Violations of any of the terms, conditions, or limitations contained in this permit may subject the permittee to enforcement action including, but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable Sections of the Conn. Gen. Stat. and Regs. Conn. State Agencies.

8.5 Enforcement

The Commissioner may take any enforcement action provided by law, including but not limited to seeking injunctions, penalties and forfeitures as provided in Sections 22a-6, 22a-7, 22a-430, 22a-432, 22a-435, 22a-438 and 22a-471 of the Conn. Gen. Stat. as amended, for any violations or acts of noncompliance with chapter 446k of the Conn. Gen. Stat. or any regulation, order, permit or approval issued there under.

8.6 Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

8.7 No Assurance

No provision of this permit and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken by the permittee pursuant to this permit will result in compliance or prevent or abate pollution.

8.8 Relief

Nothing in this permit shall relieve the permittee of other obligations under applicable federal, state, and local law.

8.9 Duty to Provide Information

The Commissioner may require any permittee to provide within a reasonable time (30 days) any information which the Commissioner may request to determine whether cause exists for modifying or revoking the permit or to determine compliance with the permit, including but not limited to copies of records required to be kept by the permittee.

8.10 Duty to Comply

The permittee shall comply with all terms and conditions of the permit. Any permit noncompliance constitutes a violation of Chapter 446k of the Conn. Gen. Stat. Permit noncompliance is grounds for enforcement action, permit revocation or modification, or denial of a permit renewal application.

The permittee shall comply with effluent limitations, standards or prohibitions established under Section 307 (a) CWA which are adopted in Subsection (l) of section 22a- 430-4 of the Regs. Conn. State Agencies for toxic substances upon adoption, even if the permit has not yet been modified to incorporate the requirement.

Except for any toxic effluent standards and prohibitions imposed under Section 307 CWA, compliance with a permit during its term shall constitute compliance, for purposes of enforcement, with Sections 301, 302, 306, 307, 318, 403 and 405 of the Clean Water Act.

The Commissioner may modify or revoke a permit during its term for cause as provided in Section 22a-430-4 of the Regs. Conn. State Agencies.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

8.11 Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of the permit or any discharge which has a reasonable likelihood of adversely affecting human health or the environment.

8.12 Sludge Disposal

The permittee shall dispose of screenings, sludges, chemicals, and oils and any solid or liquid wastes resulting from the wastewater treatment processes at locations approved by the Commissioner for disposal of such materials, or by means of a waste hauler licensed under the provisions of the Conn. Gen. Stat.

8.13 Resource Conservation

All permittees shall implement and maintain practices and/or facilities which, to the maximum extent practicable, result in the minimum amount of wastewater discharged. Such results may be achieved by methods including but not limited to water conservation, resource recovery, waste recycling, wastewater reuse, and material or product substitution. Excessive use of water or the addition of water to dilute an effluent in order to meet any permit limitations or conditions is prohibited.

8.14 Spill Prevention and Control

The permittee shall maintain practices, procedures and facilities designed to prevent, minimize and control spills, leaks, or such other unplanned releases of all toxic or hazardous substances and any other substances as the Commissioner deems necessary to prevent pollution of the waters of the State. Such requirements shall, unless otherwise allowed by the Commissioner, apply to all facilities used for storing, handling transferring, loading, or unloading such substances, including manufacturing areas.

The requirements of this Section do not apply to site components or systems already covered by plans prepared or approved under the Resource Conservation and Recovery Act and the Spill Prevention, Control and Countermeasure program.

8.15 Duty to Reapply

The permit shall be effective for a fixed term not to exceed five (5) years unless administratively extended. The Department will provide permit renewal directions.

8.16 Equalization

All treatment facilities shall be designed to prevent upsets, malfunctions or instances of noncompliance resulting from variations in wastewater strength or flow rate, and shall include, as the Commissioner deems necessary, equalization facilities separate from the treatment facilities.

8.17 Effect of an Upset

An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- an upset occurred and that the permittee can identify the cause(s) of the upset.
- the permitted site was at the time being properly operated.
- the permittee submitted notice of the upset timely as required in Section 6.2 of this general permit.
- the permittee complied with all remedial measures.

8.18 Bypass

The permittee shall not at any time bypass the collection system or treatment facilities or any part thereof unless such bypass is unanticipated, unavoidable, and necessary to prevent loss of life, personal injury or severe property damage, and there were no feasible alternatives to the bypass, including but not limited to the use of auxiliary or back- up treatment facilities, retention of untreated wastes, stopping the discharges, or maintenance during normal periods of equipment downtime; or the permittee receives prior written approval of the bypass from the Commissioner in order to perform essential maintenance, and the bypass does not cause effluent limitations to be exceeded.

8.18.1 Necessary Bypass

In the event such a bypass is necessary, the permittee shall to the extent possible minimize or halt production and/or all discharges until the site is restored or an alternative method of treatment is provided.

8.18.2 Bypass Prevention

In order to prevent a bypass, the permittee may schedule maintenance during periods when no discharge is occurring or employ any necessary means, including but not limited to duplicate units and systems or alternative collection and treatment or pretreatment schemes. Any such means shall insure that the effluent limitations specified in the permit are achieved; be approved by DEEP in writing prior to its use, which approval shall include an alternative schedule for monitoring if appropriate; and be discontinued upon completion of the performance of the essential maintenance.

8.18.3 Notification to DEEP

8.18.3.1 The permittee shall provide notice to DEEP not less than twenty-four (24) hours prior to the use of any alternative scheme and monitor and record the quality and quantity of the discharge in accordance with permit terms and conditions or an approved alternative schedule. Such monitoring shall be submitted with the next monitoring report required by the permit and shall not be used to meet routine scheduled monitoring report requirements of the permit.

8.18.3.2 If any bypass occurs or may occur, the permittee shall, within two hours of becoming aware of such condition or need, notify DEEP's 24-hour Emergency Response Unit at 860-424-3338 or 866-337-7745 and submit within five days a written report including the cause of the problem, duration

including dates and times and corrective action taken or planned to prevent other such occurrences. Information about incident reporting can be found on DEEP's Emergency Response and Spill Prevention website https://portal.ct.gov/deep/emergency-response-and-spill-prevention/emergency-response-and-spill-prevention.

8.18.3.3 If the permittee has reason to believe that any effluent limitation specified in the permit may be violated, the permittee shall immediately take steps to prevent or correct such violation, including but not limited to employing an alternative scheme of collection or treatment, and/or control the production of the wastewater and shall monitor and record the quality and quantity of the discharge in accordance with the permit terms and conditions or an approved alternative schedule. Such monitoring shall be submitted with the next monitoring report required by the permit and shall not be used to meet the routine monitoring requirements of the permit.

8.19 Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems and parts thereof for wastewater collection, storage, treatment, and control which are installed or used by the permittee to achieve compliance with the terms and conditions of the permit. Proper operation and maintenance includes, but is not limited to, effective performance, adequate funding, and adequate operator staffing and training, including the employment of certified operators as may be required by the Commissioner pursuant to Sections 22a-416-1 through 22a-416-10 of the Regs. Conn. State Agencies, as amended, and adequate laboratory and process controls, including appropriate quality assurance procedures.

In accordance with Sections 22a-416 through 22a-471 of the Conn. Gen. Stat. as amended, the permittee is required to install and operate a back-up or auxiliary facilities or similar systems or the inventory of spare parts and appurtenances.

8.20 Instrumentation, Alarms, and Flow Records

Except for batch treatment systems unless required by the Commissioner, process wastewater treatment systems shall include instrumentation to automatically and continuously indicate, record and/or control those functions of the system and characteristics of the discharge which the Commissioner deems necessary to assure protection of the waters of the State.

8.21 Signatory Requirements

8.21.1 Signatory

All permit applications and permit modification requests submitted to the Commissioner shall be signed as follows:

8.21.1.1 For a corporation, the signatory shall be a responsible corporate officer.

For the purposes of this Section, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function; any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding twenty-five million dollars (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

8.21.1.2 For a partnership or sole proprietorship, the signatory shall be a general partner or the proprietor, respectively.

8.21.1.3 For a municipality, State, Federal, or other public agency, the signatory shall be either a principal executive officer or a ranking elected official.

For purposes of this Section, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

8.21.2 Duly Authorized Representative

All reports required by permits, and other information submitted to the Commissioner shall be signed by a person described in Section 8.21.1 of this general permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

8.21.2.1 The authorization is made in writing by a person described in Section 8.21.1 of this general permit,

8.21.2.2 The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated site or activity, such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and

8.21.2.3 The written authorization is submitted to the Commissioner.

8.21.3 Notification to DEEP

If an authorization under this subsection is no longer accurate because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of this section must be submitted to the Commissioner prior to or together with any reports or other information to be signed by an authorized representative.

8.21.4 Certification

Any person signing a document under this section shall make the following certifications:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a- 6 of the Conn. Gen. Stat., pursuant to Section 53a-157b of the Conn. Gen. Stat., and in accordance with any other applicable statute."

8.22 Date of Filing

For purposes of this general permit, the date of filing with the Commissioner of any document is the date such document is received by the Commissioner.

8.23 False Statements

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with Section 22a-6 of the Conn. Gen. Stat., pursuant to Section 53a-157b of the Conn. Gen. Stat., and in accordance with any other applicable statute.

8.24 Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any of the information submitted pursuant to this general permit, becomes aware that any such information is inaccurate or misleading, or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the Commissioner. Such information shall be certified in accordance with Section 8.21.4 of this general permit. A Notice of Change shall be submitted for any changes made pursuant to Section 3.5 of this general permit.

8.25 Transfer of Authorization

Any authorization under this general permit shall not be transferable.

8.26 Other Applicable Law

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state, and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

8.27 Duty to Reapply

The permit will be effective for a fixed term not to exceed five (5) years unless administratively extended. The general permit will provide instructions on how and when to reapply.

8.28 Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such general permit. In conducting any activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

8.29 Effect of a Permit

The issuance of a permit does not convey any property rights of any sort, or any exclusive privilege, authorize any injury to persons or property or invasion of other private rights, authorize any infringement of the Conn. Gen. Stat., Regs. Conn. State Agencies or municipal ordinances, or affect the responsibility of the permittee to obtain all applicable federal, State and municipal authorizations or permits for the discharge and activities which generate the discharge.

Section 9 Commissioner's Powers

9.1 Abatement of Violations

The Commissioner may take any action provided by law to abate a violation of this general permit, including but not limited to penalties of up to $25,000 per violation per day under Chapter 446k of the Conn. Gen. Stat., for such violation. The Commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a Permittee's authorization hereunder in accordance with Sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regs. Conn. State Agencies. Nothing herein shall be construed to affect any remedy available to the Commissioner by law.

9.2 General Permit Revocation, Suspension, or Modification

The Commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

9.3 Filing of an Individual Permit Application

If the Commissioner notifies a Permittee in writing that such Permittee must obtain an individual permit, the Permittee shall file an application for an individual permit within thirty (30) days of receiving the Commissioner's notice or such other time that the Commissioner specified in the notice to the Permittee. While such application is pending before the Commissioner, the Permittee shall continue to comply with the terms and conditions of this general permit. Nothing herein shall affect the Commissioner's power to revoke a Permittee's authorization under this general permit at any time.

Section 10 Definitions

The definitions of terms used in this general permit shall be the same as the definitions contained in Section 22a-423 of the Conn. Gen. Stat. and Section 22a-430-3(a) of the Regs. Conn. State Agencies. All references to an Appendix in this general permit means the applicable Appendix of this general permit. As used in this general permit, the following definitions shall apply:

"x-year, 24-hour rainfall event" means the maximum 24-hour precipitation event with a probable recurrence interval of once in the given number of years (i.e. x=2, 25 or 100), as defined by the National Oceanic and Atmospheric Administration (NOAA) Atlas 14, Volume 10, Version 2, Point Precipitation Frequency Estimates (as amended), or equivalent regional or state rainfall probability information developed therefrom.

"Annual sediment load" means the total amount of sediment carried by stormwater runoff on an annualized basis.

"Applicant" means a person or municipality which files a complete application.

"Application" means an application filed with the Commissioner pursuant to this general permit.

"Aquifer protection area" means that term as defined in Section 22a-354 of the Conn. Gen. Stat.

"Authorized Activity" means any activity authorized by this general permit.

"Best Management Practice" or *"BMP"* means a schedule of activities, practice (and prohibitions of practices), structure, vegetation, maintenance procedure, and other management practices to prevent or reduce the discharge of pollutants to waters of the State consistent with state, federal or other equivalent and technically supported guidance. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from material storage.

"CFR" means the Code of Federal Regulations.

"Clean Water" means water which, in the judgment of the Commissioner, is of a quality substantially similar to that occurring naturally in the receiving stream under consideration. Clean water may include minor cooling waters, residential swimming pool water, and stormwater.

"Coastal area" means coastal area as defined in Section 22a-93(3) of the Conn. Gen. Stat.

"Coastal waters" means those waters of Long Island Sound and its harbors, embayments, tidal rivers, streams and creeks which contain a salinity concentration of at least five hundred parts per million under low flow conditions.

"Commissioner" means Commissioner as defined by Section 22a-2(a) of the Conn. Gen. Stat.

"Control Measures" means any BMPs, or other methods used to prevent or reduce the discharge of pollutants to waters of the State.

"Construction Activity" means any activity and discharges associated with construction at a site or the site's preparation for construction, including, but not limited to, clearing, grubbing, pile driving, soil disturbance, soil compaction by construction equipment, staging and stockpiling, storage, cleaning and washout, grading, excavation, and dewatering.

"Construction and Development Effluent Limitations and New Source Performance Standards" (C&D Rule), as published in 40 CFR§450, means the regulation requiring effluent limitations guidelines (ELGs) and new source performance standards (NSPS) for controlling the discharge of pollutants from construction sites.

"Day" means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

"DOT" means the State of Connecticut Department of Transportation.

"DOT MS4" means conveyances for stormwater including, but not limited to, roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains owned or operated by the Connecticut Department of Transportation and discharging directly to surface waters of the State.

"Department" or *"DEEP"* means the Department of Energy and Environmental Protection.

"Design-Build Project" is an alternative project delivery method in which a developer selects a design and build team to complete the design and construction of a project rather than separate contracts with the designer and contractor. With such a project, the design and construction phases can be overlapped, so that site preparation and investigation can proceed before a final design is developed.

"Designing Qualified Professional" means the Qualified Professional engineer or qualified soil erosion and sediment control professional, as defined below, who developed the original Stormwater Pollution Control Plan for which authorization was granted under this general permit.

"Developer" means a person, municipality, or state or federal agency that is responsible, either solely or partially through contract, for the design and construction of a project site.

"Dewatering water" means water associated with the construction activity generated from the lowering of the groundwater table, the pumping of accumulated uncontaminated stormwater or uncontaminated groundwater from an excavation, the pumping of surface water from a cofferdam, or pumping of other surface water that has been diverted into a construction site.

"Discharge" means the emission of any water, substance, or material into the waters of the State, whether or not such substance causes pollution as defined in Section 22a-423 of the Conn. Gen. Stat.

"District" means a Soil and Water Conservation District established pursuant to Section 22a-315 of the Conn. Gen. Stat. Appendices E and F list the Districts, their geographic delineations, and contact information.

"Disturbance" means the area on a site where soil will be exposed or susceptible to erosion during any construction activity.

"Drought-Stricken Area", for the purposes of this permit, means an area in which the National Oceanic and Atmospheric Administration's U.S. Seasonal Drought Outlook indicates for the period during which the construction will occur that any of the following conditions are likely: (1) "Drought to persist or intensify", (2) "Drought ongoing, some improvement", (3) "Drought likely to improve, impacts ease", or (4) "Drought development likely". See http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.php.

"Early Release Construction" or *"ERC"* means the preliminary construction activity for a design-build project conducted in order to investigate site conditions and obtain the information necessary to develop the final design for the project.

"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.

"Engineered stormwater management system" means any control measure and related appurtenances which requires engineering analysis and/or design by a professional engineer.

"Erosion" means the detachment and movement of soil or rock fragments by water, wind, ice and gravity.

"Final Design Phase" means the final design phase of a design-build project. This phase of the design-build project follows the Site Preparation Phase.

"Final stabilization" means that no disturbed areas remain exposed and there are no signs of erosion or sedimentation on site; the vegetation must be at least 6 inches tall with a minimum of one hundred (100) plants per square foot across all seeded areas, or a permanent non-vegetative ground cover has been fully established over the entire site.

"Fresh-tidal wetland" means a tidal wetland located outside of coastal waters.

"General Permit" or *"this permit"* means the *General Permit for the Discharge of Stormwater from Construction Activities* issued by the Commissioner.

"Groundwater" means those waters of the State that naturally exist or flow below the surface of the ground.

"Guidelines" means the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, established pursuant to Section 22a-328 of the Conn. Gen. Stat.

"High Quality Waters" means those waters defined as high quality waters in Regs. Conn. State Agencies Section 22a-426-1, as may be amended.

"Impaired water(s)" for the purposes of this permit, means any waterbody that does not meet applicable water quality standards, including but not limited to waters listed in categories 5 or 4b on the Connecticut Integrated Report of waters listed pursuant to Clean Water Act Section 303(d) and 305(b). Impaired Waters are also known as *"Water Quality Limited Waters."*

"Impervious Cover" means hard surfaces which prevent or impede the infiltration of water. Such surfaces include, but are not limited to, roof areas, compacted gravel, paved walkways, paved parking areas, paved driveways, and other paved surfaces.

"In Responsible charge" means professional experience for which the Commissioner determines that a professional's primary duties consistently involve a high level of responsibility and decision making in the planning and designing of engineered stormwater management systems or in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects. The Commissioner shall consider the following in determining whether a professional's experience qualifies as responsible charge experience:

(i) The level of independent decision-making exercised.

(ii) The number of individuals and the disciplines of the other professionals that the professional supervised or coordinated.

(iii) The extent to which a professional's responsibilities consistently involved the review of work performed by other professionals involved the planning and designing of engineered stormwater management systems or the planning and designing of soil erosion and sediment controls for residential and commercial construction projects.

(iv) The extent to which a professional's responsibilities consistently involved the planning and designing of engineered stormwater management systems or the planning and designing of soil erosion and sediment controls for residential and commercial construction projects and whether such responsibilities were an integral and substantial component of the professional's position.

(v) The nature of a professional's employer's primary business interests and the relation of those interests to planning and designing of engineered stormwater management systems or to planning and designing of soil erosion and sediment controls for residential and commercial construction projects.

(vi) The extent to which a professional has engaged in the evaluation and selection of scientific or technical methodologies for planning and designing of engineered stormwater management systems or for planning and designing of soil erosion and sediment controls for residential and commercial construction projects.

(vii) The extent to which a professional drew technical conclusions, made recommendations, and issued opinions based on the results of planning and designing of engineered stormwater management systems or of planning and designing of soil erosion and sediment controls for residential and commercial construction projects.

(viii) Any other factor that the Commissioner deems relevant.

"Individual permit" means a permit issued to a named person under Section 22a-430 of the Conn. Gen. Stat.

"Infeasible" means not technologically possible, or not economically practicable and achievable in light of best industry practices.

"Inland wetland" means wetlands as defined in Section 22a-38 of the Conn. Gen. Stat.

"Landscape Architect" means a person with a currently effective license issued in accordance with chapter 396 of the Conn. Gen. Stat.

"Linear Project" includes the construction of roads, railways, bridges, bikeways, conduits, substructures, pipelines, sewer lines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities in a long, narrow area.

"Locally Approvable Project" or *"Locally Approvable"* means a construction activity that is not carried out by or on behalf of a municipal, state or federal entity and is required to obtain municipal approval for the project.

"Locally Exempt Project" or *"Locally Exempt"* means a construction activity which is either; (i) carried out by or on behalf of a municipal, state, or federal entity; or (ii) is not subject to local (municipal) approval.

"Low Impact Development" or *"LID"* means a site design and stormwater management strategy that maintains, mimics or replicates pre-development hydrology through the use of numerous site design principles and small-scale structural stormwater practices distributed throughout a site to manage runoff volume and water quality at the source.

"Minimize" means to reduce and/or eliminate to the extent achievable using stormwater controls that are technologically available and economically practicable and achievable in light of best industry practices.

"Municipal separate storm sewer system" or *"MS4"* means conveyances for stormwater (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) owned or operated by any municipality, DOT, or by any other state or federal institution.

"Municipality" means any metropolitan district, town, consolidated town and city, consolidated town and borough, city, borough, village, fire and sewer district, sewer district and each municipal organization having authority to levy and collect taxes or make charges for its authorized function as defined by Section 22a-423 of the Conn. Gen. Stat.

"New discharger" means any building, structure, facility, or installation:

(a) From which there is or may be a "discharge of pollutants."

(b) That did not commence the "discharge of pollutants" at a particular "site" prior to August 13, 1979.

(c) Which is not a "new source."

(d) Which has never received a finally effective NPDES permit for discharges at that "site."

"New or Increased Discharge" means new discharge or activity as defined in Section 22a-426-8(b)(3) and increased discharge or activity as defined in Section 22a-426-8(b)(2), as referenced to the Regs. Conn. State Agencies.

"New source" means any building, structure, facility, or installation from which there is or may be a "discharge of pollutants," the construction of which commenced after February 1, 2010.

"Normal Working Hours" are considered to be, at a minimum, Monday through Friday, between the hours of 8:00 am and 6:00 pm, unless additional working hours are specified by the Permittee.

"Notice of Termination" (NOT) means the form (electronic or paper) required for terminating coverage under the Construction General Permit.

"NPDES Permit" means a permit authorizing a discharge to the surface waters of the State either directly, or indirectly by means other than through a POTW or the ground waters, which is issued by the Commissioner pursuant to Section 22a-430 of the Conn. Gen. Stat.

"Permittee" means any person who or municipality which initiates, creates or maintains a discharge in accordance with this general permit.

"Person" means person as defined in Section 22a-2(b) of the Conn. Gen. Stat.

"Phase" means a portion of a project possessing a distinct and complete set of activities that have a specific functional goal wherein the work to be completed in the phase is not dependent upon the execution of work in a later phase in order to make it functional.

"Point Source" means any discernible, confined and discrete stormwater conveyance (including but not limited to, any pipe, ditch, channel, tunnel, conduit, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft) from which pollutants are or may be discharged. Point source does not include agricultural stormwater discharges and return flows from irrigated agriculture.

"Professional Engineer" or *"P.E."* means a person with a currently effective license issued in accordance with chapter 391 of the Conn. Gen. Stat.

"Qualified Inspector" means an individual possessing either (1) a professional license or certification issued by EPA (https://www.epa.gov/npdes/construction-general-permit-inspector-training) or a professional organization recognized or approved by the Commissioner related to civil engineering, landscape architecture, soil science, and two years of demonstrable and focused experience in erosion and sediment control plan review, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines; or (2) certification by the CTDOT.

"Qualified Professional engineer" means a professional engineer who has, for a minimum of eight years, engaged in the planning and designing of engineered stormwater management systems for residential and commercial construction projects in accordance with the Guidelines and the Stormwater Quality Manual including, but not limited to, a minimum of four years in responsible charge of the planning and designing of engineered stormwater management systems for such projects. Such Qualified Professional engineer shall remain in good standing with the Connecticut Department of Consumer Protection and the Commissioner.

"Qualified soil erosion and sediment control professional" means a landscape architect or a professional engineer who: (1) has for a minimum of eight years engaged in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects in accordance with the Guidelines including, but not limited to, a minimum of four years in responsible charge of the planning and designing of soil erosion and sediment controls for such projects; or (2) is currently certified as a professional in erosion and sediment control as designated by EnviroCert International, Incorporated (or other certifying organization acceptable to the Commissioner) and has, for a minimum of six years, engaged in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects in accordance with the Guidelines including, but not limited to, a minimum of four years in responsible charge in the planning and designing of soil erosion and sediment controls for such projects. Such qualified soil erosion and sediment control professional shall remain in good standing with the Connecticut Department of Consumer Protection and the Commissioner.

"Regs. Conn. State Agencies" means the Regulations of Connecticut State Agencies.

"Regulated Municipal Separate Storm Sewer System" or *"Regulated MS4"* means any MS4 (as defined above) authorized by the most recently issued General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, as well as the separate storm sewer system of the CTDOT and the City of Stamford.

"Retain" means to hold runoff on-site to promote vegetative uptake and groundwater recharge through the use of runoff reduction or LID practices or other measures. In addition, it means there shall be no subsequent point source release to surface waters from a storm event defined in this general permit or as approved by the Commissioner.

"Runoff reduction practices" means those post-construction stormwater management practices used to reduce post-development runoff volume delivered to the receiving water, as defined by retaining the volume of runoff from a storm up to the Water Quality Volume, as defined in the Stormwater Quality Manual, as amended. Runoff reduction is quantified as the total annual post-development runoff volume reduced through canopy interception, soil amendments, evaporation, rainfall harvesting, engineered infiltration, extended filtration or evapo-transpiration.

"Sediment" means solid material, either mineral or organic, that is in suspension, is transported, or has been moved from its site of origin by erosion.

"Site" means geographically contiguous land on which a construction activity takes place or on which a construction activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous land or water owned by the same person shall be deemed the same site if such land is part of a linear project or is otherwise connected by a right-of-way, which such person controls.

"Site Preparation Phase" means the initial Early Release Construction activity of a design-build project. This phase of a design-build project is followed by the Final Design Phase.

"Small Construction" or *"Small Construction Activity"* defined at 40 CFR §122.26(b)(15) and incorporated here by reference, means a small construction activity, including clearing, grading, and excavating, resulting in a land disturbance equal to or greater than one (1) acre and less than five (5) acres of land or which will disturb less than one (1) acre of total land area but is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than one (1) acre but less than five (5) acres. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site.

"Soil" means any unconsolidated mineral and organic material of any origin.

"Soil Scientist" shall be as defined in Conn. Gen. Stat. § 22a-38.

"Solar Array" or *"Soil Array Project"* means an on-the-ground installation of arrays of photovoltaic cell panels, supporting structures and related equipment for the production of electricity.

"Stabilize" means the use of measures as outlined in the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, or as approved by the Commissioner, to prevent the visible movement of soil particles and development of rills. A site or area of a site is stabilized when there is no evidence of erosion or sedimentation and temporary or permanent vegetative and/or non-vegetative measures have been applied to all disturbed areas.

"Standard of care", as used in Section 2.2, means to endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

"Stormwater" means waters consisting of rainfall runoff, including snow or ice melt during a rain event.

"Stormwater Pollution Control Plan" or *"SPCP",* means a site-specific, written document that, at a minimum: (1) identifies potential sources of stormwater pollution at the construction site; (2) describes stormwater controls to reduce or eliminate pollutants in stormwater discharges from the construction site; and (3) identifies procedures to be implemented to comply with the terms and conditions of this general permit.

"Storm Sewer System" means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains) designed or used for collecting or conveying stormwater.

"Stormwater Quality Manual" means the Connecticut Stormwater Quality Manual published by the Connecticut Department of Energy & Environmental Protection, as amended, and maintained at http://www.ct.gov/deep/stormwaterqualitymanual.

"Surface water" means those waters of the State which are not ground water and the waters of Long Island Sound, its harbors, embankments, tidal wetlands, and creeks; rivers and streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs, federal jurisdictional wetlands, and other natural or artificial, public or private, vernal or intermittent bodies of water. Surface water does not include ground water.

"Structural measure" means a measure constructed for the temporary storage and/or treatment of stormwater runoff.

"Tidal wetland" means a wetland as that term is defined in Section 22a-29(2) of the Conn. Gen. Stat.

"Total disturbance" means the total area of disturbance on a site during all phases of construction activity.

"Total Maximum Daily Load" or *"TMDL"* means a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL includes wasteload allocations ("WLAs") for point source discharges, load allocations ("LAs") for nonpoint sources and/or natural background, and must include a margin of safety ("MOS") and account for seasonal variations.

"Upland soils" means soils which are not designated as poorly drained, very poorly drained, alluvial, or flood plain by the National Cooperative Soils Survey, as may be amended, of the Natural Resources Conservation Service of the United States Department of Agriculture and/or the inland wetlands agency of the municipality in which the project will take place.

"Water company" means water company as defined in Section 25-32a of the Conn. Gen. Stat.

"Waters" shall be as defined in § 22a-423, Conn. Gen. Stat., and for clarification shall include vernal pools and intermittent waters.

"Water Quality Standards" means those water quality standards or classifications contained in Sections 22a-426-1 through 22a-426-9, inclusive, of the Regs. Conn. State Agencies and the Classification Maps adopted pursuant to Section 22a-426 of the Conn. Gen. Stat., which together constitute the Connecticut Water Quality Standards, as may be amended.

"Water Quality Volume" or *"WQV"* means the volume of runoff generated on a site by the Water Quality Storm as defined in the Connecticut Stormwater Quality Manual, as amended.

"Watercourse" means a watercourse as that term is defined in Section 22a-38 of the Conn. Gen. Stat.

"Wetland" shall mean and include both *"wetland"* as defined in § 22a-29, Conn. Gen. Stat., and *"wetlands"* as defined in § 22a-38, Conn. Gen. Stat.

Section 11 Appendices

The following appendices are incorporated into this general permit.

11.1 Appendix A – Endangered and Threatened Species

11.2 Appendix B – RESERVED

11.3 Appendix C – Aquifer Protection Guidance Information

11.4 Appendix D – Coastal Management Act Determination Form

11.5 Appendix E & F – Memoranda of Agreement Between DEEP and Conservation Districts

11.6 Appendix G – Historic Preservation Review

11.7 Appendix H – Wild & Scenic Rivers Guidance

11.8 Appendix I – Stormwater Management at Solar Array Construction Projects

11.9 Appendix J – CT DEEP Financial Assurance Irrevocable Letter of Credit

Appendix D

Sample Forms

- Weekly/Rainfall Event Inspection Log
- Corrective Action Form
- Erosion And Sediment Control Measures Closeout Form

WEEKLY/RAINFALL EVENT INSPECTION LOG

SP RESIDENTIAL I, LLC

Form Instructions:

1. *Check "N/A" if the specific E&S measure listed is not utilized onsite.*
2. *Check "Acceptable" only if E&S measure(s) is acceptable over the **entire** site.*
3. *Check "Corrective Action Needed" if E&S measures onsite require repair or replacement.*
4. *Fill out the attached "Corrective Action Form" for any E&S measure noted as requiring a corrective action.*
5. *Note any E&S measures not listed on the form that have been installed or any additional measures that the inspector identifies to be necessary for the site under the section "Others".*

Date of Inspection: _____

Weather: _____

Inspection Location: _____

Scheduled Inspection: Yes/No (Circle One)

Post Rainfall Event: Yes/No (Circle One)

If Yes, 24-Hour Rainfall Amount _____ inches

1.0 STABILIZATION/STRUCTURAL PRACTICES			
N/A □ In Compliance O Corrective Action Needed △ • If yes, fill out and attach a *Correct Action Form* • If a corrective action was noted from the previous inspection, note if the correction was adequately implemented.			
Perimeter Controls (see typical inspection items below)		**Previous Corrective Action**	
		Date Identified	**Date Implemented**
• Sediment Accumulation	□ O △		
• Overtopped/Undercut or Bypassed	□ O △		
• Decomposed or Damaged	□ O △		
Inlet Protection (see typical inspection items below)			
• Sediment Accumulation	□ O △		
• Overtopped/Undercut or Bypassed	□ O △		
• Deteriorated or Damaged	□ O △		
Temporary Seeding (see typical inspection items below)			
• Perimeter Control Damage/Effectiveness	□ O △		
• Erosion/Seedling Germination	□ O △		
Dewatering (see typical inspection items below)			
• Quality of Discharge	□ O △		
• Erosion Downstream	□ O △		
Construction Entrance (see typical inspection items below)			
• Sediment contained onsite	□ O △		
• Adjacent paved roadway clean	□ O △		

Inlet Protection (Absorbent Materials) (see typical inspection items below)		
• Oil visible on exterior absorbent socks	☐ O △	☐
• Oil accumulation on interior absorbent sock	☐ O △	☐
• Moved from original position	☐ O △	☐

Notes:

2.0 OTHER CONTROLS

N/A ☐ In Compliance O Corrective Action Needed △

- If yes, fill out and attach a *Correct Action Form*
- If a corrective action was noted from the previous inspection, note if the correction was adequately implemented.

Litter, Debris & Building Materials Containment (see typical inspection items below)		Previous Corrective Action	
		Date Identified	Date Implemented
• Debris container covered	☐ O △		
• Building materials contained	☐ O △		
• Aggregate materials contained	☐ O △		
• Construction vehicle refueling	☐ O △		
Washout Areas (see typical inspection items below)			
• Leaks/Holes/Overflow	☐ O △		
• Holding Capacity	☐ O △		
• Accumulation of Waste	☐ O △		

Notes:

3.0 CONSTRUCTION SWPPP AMENDMENTS

- The inspector should inquire with site personnel with intimate knowledge of the project design and construction if any deviations in the design or construction from the approved Construction SWPPP and drawings have taken place since the previous inspection.
- If yes, the Construction SWPPP should be updated and an entry should be logged on the *Record of Amendments* form contained within the Construction SWPPP, in accordance with Section 9.0 of the Construction SWPPP.

Potential Amendment Items	N/A	Construction SWPPP Amendment Required
• Change in Contractor/Sub Contractors onsite	O	△
• Storm Water Conveyance or Discharge	O	△

Notes:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a- 6 of the Conn. Gen. Stat., pursuant to Section 53a-157b of the Conn. Gen. Stat., and in accordance with any other applicable statute.

_____ _____

Name of Inspector *Company*

_____ _____

Signature of Inspector *Title (If Applicable)*

_____

Date

EROSION AND SEDIMENT CONTROL MEASURES CLOSEOUT FORM

SP RESIDENTIAL I, LLC

Form Instructions:

1. *The "Closeout Form" should be used for specific E&S measures.*
2. *The inspector should note the specific location and specific E&S measure to be closed out.*
3. *Check each box if condition of closeout is adequately satisfied-Note that all condition boxes will be satisfied in order for E&S closeout.*
4. *Review with Engineer of record for approval of subject area prior to E&S closeout action.*

Subject E&S Measure: _____

Subject Location: _____

Date of Review: _____ (mm/dd/yy)

Name of Inspector: _____

1.0 STABILIZATION PRACTICES	
Geotextile Silt Fence (GSF) (see conditions of closeout below)	**Condition of Closeout Met**
• Upgradient areas stabilized	☐
• Inspect sediment depth	☐
• Sediment depth >6" should be removed or re-graded	☐
• Stabilize re-graded sediment, as necessary	☐
Staked Hay Bales (HB) (see conditions of closeout below)	
• Upgradient areas stabilized	☐
Temporary/Permanent Seeding (TS or PS) (see conditions of closeout below)	
• Upgradient areas stabilized	☐

2.0 STRUCTURAL PRACTICES	
Temporary Diversions (TD) (see conditions of closeout below)	**Condition of Closeout Met**
• Upgradient areas stabilized	☐
Temporary Sediment Trap (TST) (see conditions of closeout below)	
• Upgradient *watershed* stabilized	☐
Temporary Sediment Basin (TSB) (see conditions of closeout below)	
• Upgradient *watershed* stabilized	☐
Stone Check Dams (SCD) (see conditions of closeout below)	
• Upgradient areas stabilized	☐
• Remove accumulated sediment	☐
• Stabilize re-graded sediment and disturbed soils, as necessary	☐
CB Inserts	
• Upgradient areas stabilized	☐
• Remove accumulated sediment	☐
Storm Drain Inlet Protection (see conditions of closeout below)	
• See GSF, HB, Inserts and SCD	☐

3.0 WASTEWATER DEWATERING	
Pump Intake and Outlet Protection (PuP) (see conditions of closeout below)	**Condition of Closeout Met**
• Discontinuation of pumping	☐
Pumping Settling Basin (PSB) (see conditions of closeout below)	
• Discontinuation of pumping	☐
Dewatering of Earth Materials (DWM) (see conditions of closeout below)	
• Discontinuation of excavation of saturated soil	☐

4.0 OTHER CONTROLS	
Litter, Debris & Building Materials Containment (see conditions of closeout below)	**Condition of Closeout Met**
• Site clean of building materials and debris	☐
Construction Entrance (CE) & Roadway Tracking (see conditions of closeout below)	
• Upgradient areas stabilized	☐
Tree Protection (see conditions of closeout below)	
• Construction equipment complete in area	☐

Additional Notes

CORRECTIVE ACTION FORM

SP RESIDENTIAL I, LLC

Form Instructions:

1. *Fill in the E&S measure requiring Corrective Action from the Inspection Log using the appropriate title from the Log (i.e. Geotextile Silt Fence, Staked Hay Bales, etc.)*
2. *Describe the location of the E&S measure requiring Corrective Action*
3. *Give a short description of the existing deficiency and the required Corrective Action*
4. *Attach this form to the Inspection Log that the Corrective Action was generated from.*

Date Corrective Action Identified: ____

Identified E&S Measure:
Location of E&S Measure:
Correction Action Required:
Corrective Action Implemented: Yes/No (Circle One)
Name: __________________________________ Date Implemented: _____________________

☐ Check box if additional page(s) required

Identified E&S Measure:
Location of E&S Measure:
Correction Action Required:
Corrective Action Implemented: Yes/No (Circle One)
Name: __________________________________ Date Implemented: _____________________

☐ Check box if additional page(s) required

Identified E&S Measure:
Location of E&S Measure:
Correction Action Required:
Corrective Action Implemented: Yes/No (Circle One)
Name: __________________________________ Date Implemented: _____________________

☐ Check box if additional page(s) required

Appendix E

Inspector Qualifications

STEPHEN J. BENBEN, PE

Vice President of Engineering

Years with the Firm

14

Years Total

CAREER SUMMARY

Mr. Benben is the Vice President of Engineering at Triton Environmental, LLC (Triton) Managing and supporting civil and environmental engineering projects throughout the company. Mr. Benben is a Professional Engineer with approximately eighteen years of experience in the consulting field. Prior to joining Triton is 2011, Mr. Benben was a project manager at BL Companies.

Mr. Benben's primary responsibilities at Triton include providing technical expertise and project management of local and state regulatory permitting and compliance, and assessment and remediation projects.

EDUCATION

University of Rhode Islan, B.S., Civil Engineering, 2000

ADDITIONAL TRAINING

Professional Engineer in CT, MA, NH and PA

PROFESSIONAL MEMBERSHIPS

Prestressed Concrete Institute (PCI): Chairman of the Subcommittee on Integral Bridges

PROFESSIONAL EXPERIENCE

Engineering Projects & Storm Water Management

Steve has designed site layout plans, site grading and drainage plans, stormwater collection and conveyance systems and above and below ground detention systems in various states and has experience with Low Impact Design (LID) methods. Steve has evaluated existing stormwater deficiencies, and designed and instituted stormwater retrofits for compliance related issues. Steve has experience with designing septic disposal systems, designing and implementing soil erosion and sedimentation controls and conducting and evaluating geotechnical investigations. His work has included stormwater control system design for numerous commercial, industrial and residential facilities in various states. He is thoroughly familiar with the latest technologies for stormwater treatment units including physical separation and advanced treatment, and has specified this equipment in recent design systems. Steve has designed and instituted construction stormwater discharge BMP's as well as Post-Construction Stormwater Management plans.

Regulatory Compliance and Wastewater Engineering Projects

As a Senior Project Manager and Engineer, Steve is involved with stormwater and wastewater compliance and permitting at Triton. Specifically, he has experience with State and Federal NPDES/SPDES programs, General Permits, Multi-Sector General Permit regulations and permits. He reviews, provides technical support, and certifications for Spill Prevention Control and Countermeasure (SPCC) Plans and Stormwater Pollution Plans (SWP3). In addition, Steve has contributed to projects involving amendment and development of regulatory compliance plans for industrial facilities such as CT DEEP, MassDEP, Illinois EPA, NJ DEP Stormwater Pollution Prevention Plans; EPA Spill Prevention Control and Countermeasure (SPCC) Plans; and Integrated Contingency

Plans (ICPs). In addition, Steve has been involved in assisting facilities with annual environmental training, as required by BPDES Construction Stormwater General Permit.

PREVIOUS EXPERIENCE

Prior to joining Triton in 2011, Mr. Benben was a project manager at BL Companies.

Appendix F

Record of Plan Amendments

RECORD OF PLAN AMENDMENTS

STORMWATER POLLUTION CONTROL PLAN

SP RESIDENTIAL I, LLC

Form Instructions:

1. *The Amendment Table below should be completed in accordance with Section 7.0 of the Plan, including whenever there is a change in contractors or subcontractors at the site; a change in design, construction, operation, or maintenance at the site which has the potential for the discharge of pollutants to the waters of the state and which has not otherwise been addressed in the Plan, or; if the actions required by the Plan fail to prevent pollution.*

NO.	DATE	PLAN AMENDMENT DESCRIPTION	Initials
1	January 2026	Update SWPCP to reflect January 2026 update to the General Permit	SJB

Appendix G

Grading and Drainage Plans

MATCH LINE - SEE DRN-2

GRADING AND DRAINAGE NOTES:

1. REFER TO DRAWING OVA-1, DRN-1 & -2, AND OTHER DRAWINGS FOR ADDITIONAL CONSTRUCTION INFORMATION.

2. COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER, BRIDGEPORT LANDING DEVELOPMENT (BLD) AND BRIDGEPORT ENGINEERING DEPARTMENT. AVOID DAMAGE TO EXISTING BULKHEAD, ROADS, AND OTHER EXISTING UTILITIES.

3. THE CONNECTION POINTS ARE THE EXISTING STORM SYSTEMS DRAINING TO OUTLETS #3 (PEQUONNOCK RIVER) AND #4 (BRIDGEPORT HARBOR). NO NEW OUTLETS ARE PROPOSED. ALL STORM DISCHARGES ARE TREATED AT AN EXISTING HYDRODYNAMIC SEPARATOR INSTALLED EARLIER UNDER PROJECT #015-351 PRIOR TO DISCHARGE TO BRIDGEPORT HARBOR, AND A NEW HYDRODYNAMIC SEPARATOR INSTALLED AS PART OF THIS CONTRACT.

4. THE VERTICAL DATUM FOR THESE PLANS IS NAVD 88. EARLIER UTILITY CONSTRUCTION FOR THE CONNDOT PROJECT NO. #015-351 (TIGER ROADWAY IMPROVEMENTS) WAS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). THE CONVERSION FACTOR BETWEEN THE TWO DATUMS IS 1.09 FEET (NAVD 88 + 1.09 FEET = NGVD 29). BRIDGEPORT SEWER DATUM - 13.51 FEET = NGVD29.

5. SUBMIT SHOP DRAWINGS OF PIPE, FITTINGS, CATCH BASINS, MANHOLES, AND OTHER PRODUCTS TO OWNER AND BLD FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

6. REINFORCED CONCRETE PIPE (RCP) TO BE CLASS IV (UNLESS OTHERWISE NOTED) WALL B IN ACCORDANCE WITH ASTM C-76. ALL PIPE JOINTS TO HAVE RUBBER GASKETS.

7. ALL PRECAST STORM STRUCTURES, MASONRY, FRAMES, AND CASTINGS SHALL BE DESIGNED FOR HS-20 TRAFFIC LOADS. MASONRY STRUCTURES MAY BE SUBSTITUTED FOR PRECAST IF APPROVED BY OWNER AND BLD. MORTAR ALL KNOCK-OUTS WITH BRICK AND MORTAR. PROVIDE CONCRETE INVERTS IN STORM MANHOLES.

8. STRUCTURES AND PIPE SHALL BE INSTALLED TO ALLOW PROPER INSTALLATION OF OTHER UTILITIES. UTILITY CONTRACTOR SHALL INSTALL DRAINAGE FROM THE DOWNSTREAM END WORKING UPSTREAM.

9. EXISTING HYDRODYNAMIC SEPARATOR OG #4.1 (VORTECHNICS MODEL 11000) , AND ASSOCIATED MANHOLES, PIPE AND 36" RCP SHALL BE RELOCATED AND RESET OUT OF FOOTPRINT OF PROPOSED BUILDING. CONNECT TO EXISTING 36" RCP DISCHARGING THROUGH BULKHEAD. RAISE TOPS OF STRUCTURES WITH NEW RISERS, BLOCK, AND BRICK TO MATCH GRADES OF PROPOSED COURTYARD LANDSCAPING. INSTALL ADDITIONAL STEPS IN MANHOLES TO WITHIN 2' OF FINISHED GRADE AND ALIGN STEPS IN RELOCATED SECTIONS. COORDINATE GRADING AND TIE-INS WITH COURTYARD AND BUILDING DRAINS.

10. NEW HYDRODYNAMIC SEPARATOR OG #3.1 (VORTECHNICS MODEL 11000) , AND ASSOCIATED MANHOLES, PIPE AND 30" RCP SHALL BE CONNECTED TO EXISTING 30" RCP STUB THROUGH BULKHEAD.

11. INSTALL BUILDING LATERALS FOR ROOF DRAIN CONNECTIONS TO WITHIN 5 FEET OF BUILDING FOUNDATION. PIPES TO BE EITHER RCP OR SDR 35 PVCP, AS SHOWN ON PLANS. REFER TO MECHANICAL ENGINEER'S PLANS FOR CONNECTION AND FITTING DETAILS. INSTALL CLEAN-OUTS AT ALL BENDS IN BUILDING LATERALS WITH CAST IRON COVERS MARKED "STORM" OR "DRAIN".

12. GROUT EXISTING STORM PIPES TO BE ABANDONED IN PLACE. REMOVE ANY EXISTING PIPES OR STRUCTURES ENCOUNTERED, WHERE FEASIBLE, AND BACKFILL EXCAVATION WITH COMPACTED SUITABLE BACKFILL.

13. PROVIDE METALLIC DETECTOR TAPE MARKED "CAUTION - BURIED DRAINAGE BELOW" ON INITIAL BACKFILL OVER PIPE AS SHOW. PROVIDE TAPE TIES, PIPE CLEARANCES, AND COORDINATES OF CONDUITS MEASURED PRIOR TO BACKFILLING TO OWNER, BLD AND BRIDGEPORT ENGINEERING DEPARTMENT FOR FINAL LOCATION SURVEY.

14. COMPACT ALL TRENCH BACKFILL IN LIFTS TO 95% MAXIMUM DRY DENSITY PER ASTM D-1557 (MODIFIED PROCTOR TEST), AND PROVIDE COMPACTION TESTING RESULTS TO BLD.

15. SET TOPS ON MANHOLES AND CATCH BASINS TO BE CONVERTED TO MATCH SIDEWALK AND PAVEMENT GRADES AS SHOWN. PLACE 2 FEET OF STONE DUST AROUND STRUCTURE TOPS WHERE FINAL SURFACE IS NOT BEING CONSTRUCTED. SET MANHOLE COVERS AND CATCH BASIN GRATES TO BE DEPRESSED BELOW PROPOSED FINAL GRADES, OR BINDER COURSE OF PAVEMENT, DEPENDING ON LOCATIONS. RESET COVERS AND GRATES AS NECESSARY DURING CONSTRUCTION.

16. TYPICAL ROAD AND SIDEWALK CROSS SLOPE IS 2%. REFER TO ROAD PROFILES FOR LONGITUDINAL SLOPE. EXISTING ROAD GRADES DO NOT REFLECT RECENT FILLING AND EXCAVATION BEHIND BULKHEAD BY BLD. MAINTAIN 2% MAXIMUM SLOPE ON ALL HANDICAPPED-ACCESSIBLE ROUTES AND PARKING SPACES. REFER TO PLANS BY OTHERS FOR GRADING OUTSIDE THIS CONTRACT AT DOCKMASTER BUILDING, INCLUDING ANY ADJUSTMENTS BY BLD TO GRATE ELEVATIONS AT CB #3, #4, AND #5 IN DROP-OFF LANE.

17. CLEAN ALL STORM STRUCTURES AND PIPE AT THE END OF CONSTRUCTION, INCLUDING THE HYDRODYNAMIC SEPARATORS, PRIOR TO ACCEPTANCE BY OWNER AND BLD.

18. PROVIDE AND INSTALL TEMPORARY PAVEMENT REPAIRS. PLACE AND COMPACT PROCESS AGGREGATE SUBBASE AND BASE. PROVIDE PERMANENT TRENCH REPAIR IN PAVED ROAD BASE.

PROPOSED DEVELOPMENT

PROPOSED DEVELOPMENT

NOTE
CONVERSION TO CITY OF BRIDGEPORT DATUM
FROM NATIONAL GEODETIC VERTICAL DATUM (NAVD 1988)
IS NAVD 1988 PLUS 14.60' EQUALS CITY OF BRIDGEPORT DATUM
EXAMPLE: NAVD 1988 EL. 14.00 PLUS 14.60' =
EL. 28.60 CITY OF BRIDGEPORT DATUM

PROJECT
Steelpointe Harbor
Residential - Phase 1
Bridgeport, Connecticut

CLIENT
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FLAHERTY & COLLINS PROPERTIES

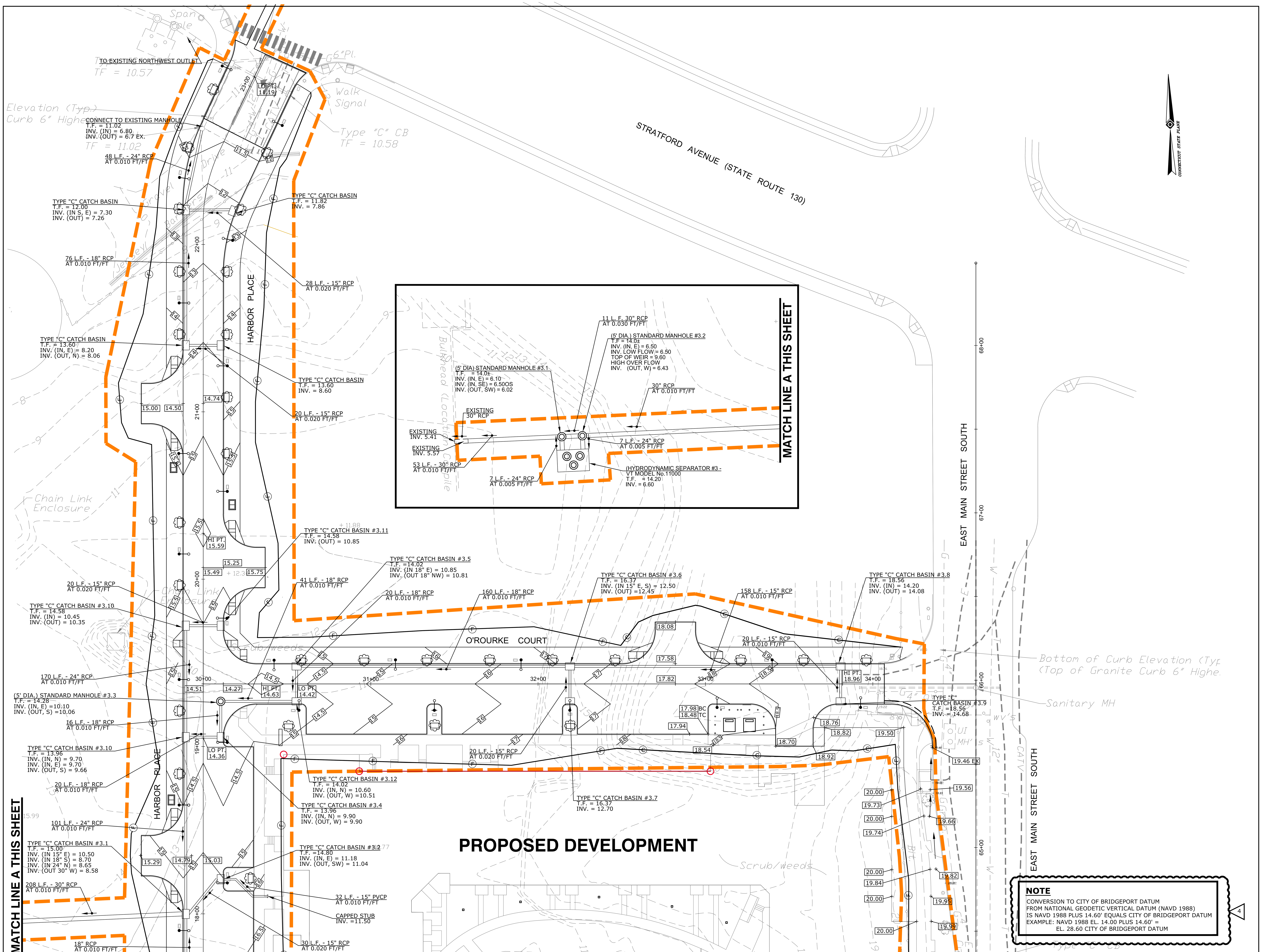
NUMBER	DESCRIPTION	DATE
	PERMIT	07/11/2022
	ISSUE FOR BID	01/20/2023
6	ISSUED FOR CONSTRUCTION	01/15/2024

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT
TEL. 203-379-0320

DRAWING TITLE
GRADING AND DRAINAGE PLAN

DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE (SHEET SIZE: 30x42)
1" = 20'
ISSUE DATE
01-15-2024
JOB NUMBER
21-022
DRAWING NUMBER
DRN-1



MATCH LINE - SEE DRN-1

PROJECT
Steelpointe Harbor
Residential - Phase 1
Bridgeport, Connecticut

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DRAWING TITLE
GRADING AND DRAINAGE PLAN

DRAWN BY: ETK/MB
CHECKED BY: RJN
SCALE: 1" = 20' (SHEET SIZE: 30x42)
ISSUE DATE: 01-15-2024
JOB NUMBER: 21-022
DRAWING NUMBER: DRN-2

MATCH LINE - SEE IDP-2

HARBOR PLACE

EAST MAIN STREET SOUTH

WATERVIEW AVENUE SOUTH

CONNECTICUT STATE PLANE

CAPPED STUB (PHASE 1) INV. =10.22

10" RCP (PHASE 1) AT 0.010 FT/FT

CAPPED STUB (PHASE 1) INV. =10.85 SEE PLUMBING PLAN P101B

12" RCP (PHASE 1) AT 0.010 FT/FT

YARD DRAIN T.F. = 16.7 SEE PLUMBING PLAN P101B

YARD DRAIN T.F. = 17.5 SEE PLUMBING PLAN P101B

YARD DRAIN T.F. = 17.4 SEE PLUMBING PLAN P101B

CAPPED STUB (PHASE 1) INV. =11.71 SEE PLUMBING PLAN P101B

12" PVCP (PHASE 1) AT 0.010 FT/FT

12" PVCP (PHASE 1) AT 0.010 FT/FT

CAPPED STUB (PHASE 1) INV. =13.15 SEE PLUMBING PLAN P101B

CAPPED STUB (PHASE 1) INV. =11.42 SEE PLUMBING PLAN P101B

3" PVCP (PHASE 1) AT 0.010 FT/FT

CAPPED STUB (PHASE 1) INV. =10.50 SEE PLUMBING PLAN P101B

12" PVCP (PHASE 1) AT 0.010 FT/FT

STORM MANHOLE (PHASE 1)
T.F. =16.0±
INV. (IN, N,E, 12") =10.00
INV. (IN, S 12") =8.90
INV. (IN,NE 36") = 5.20
INV. (OUT SW 36") = 5.17

STORM MANHOLE (PHASE 1)
T.F. = 16.0±
INV. (IN, W) = 11.23
INV. (IN, NE) = 4.70
INV. (OUT, SW) = 4.68

12" PVCP (PHASE 1) AT 0.010 FT/FT

YARD DRAIN T.F. = 15.5 INV. = 11.72

42 L.F. - 12" PVCP AT 0.020 FT/FT

CAPPED STUB (PHASE 1) INV. =11.30 SEE PLUMBING PLAN P101B

12" PVCP WYE INV. = 10.90

YARD DRAIN T.F. = 15.5 INV. = 11.5

27 L.F. - 12" PVCP AT 0.010 FT/FT

4 L.F. - 12" PVCP AT 0.040 FT/FT

YARD DRAIN T.F. = 15.6 INV. (S) = 9.31 INV. (N) = 9.11

40 L.F. - 12" PVCP AT 0.010 FT/FT

YARD DRAIN T.F. = 15.5 INV. (N) = 9.71 INV. (E) = 9.81

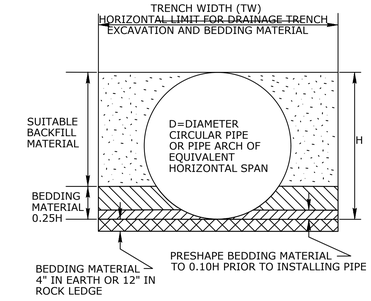
139 L.F. - 12" PVCP AT 0.010 FT/FT

YARD DRAIN T.F. = 15.1 INV. = 11.2

NOTE
FOR YARD DRAIN DETAIL SEE PHASE 2 LAND SCAPE PLANS.

TRENCH WIDTH (TW) CHART

PIPE, PIPE-ARCH, OR DRAINAGE STRUCTURE	TRENCH WIDTH
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN LESS THAN 30"	2' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN GREATER THAN OR EQUAL TO 30"	3' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH FABRICATED FROM STRUCTURAL PLATES	4' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
DRAINAGE STRUCTURES	2' BEYOND ALL EXTERIOR OR FOUNDATION WALLS



PIPE TRENCH FOR PIPES LESS THAN 48"

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FLAHERTY & COLLINS PROPERTIES

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DRAWING TITLE
INTERIOR DRAINAGE PLAN

DRAWN BY	CHECKED BY
ETK/MB	RJN

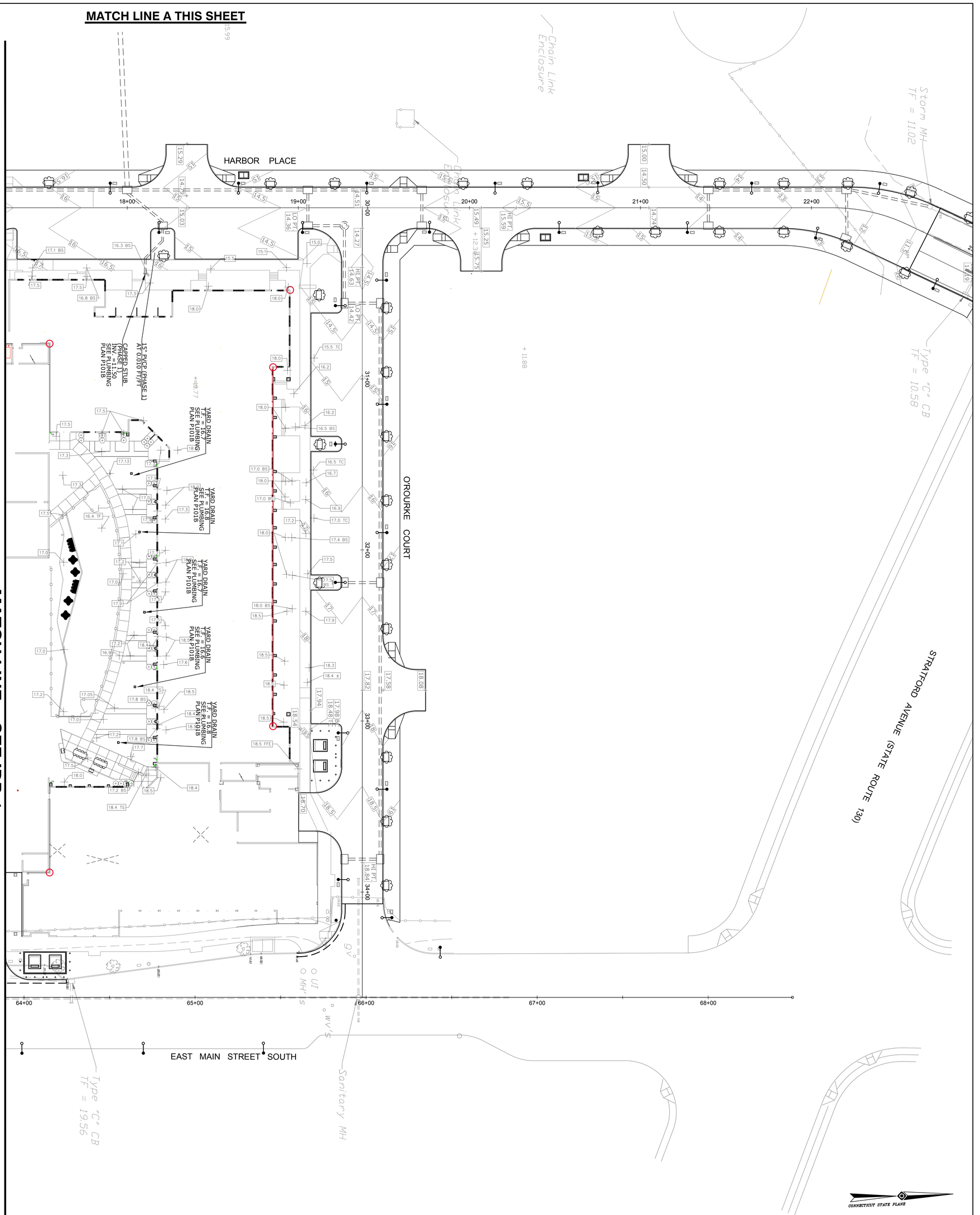
SCALE (SHEET SIZE: 30x42)
1" = 20'

ISSUE DATE
01-15-2024

JOB NUMBER
21-022

DRAWING NUMBER
IDP-1

MATCH LINE A THIS SHEET



MATCH LINE - SEE IDP-1

IDP-2

DRAWING NUMBER	IDP-2
JOB NUMBER	21-022
ISSUE DATE	01-15-2024
SCALE	1" = 20'
DRAWN BY	ETK/MB
CHECKED BY	RJN

DRAWING TITLE

INTERIOR
DRAINAGE PLAN

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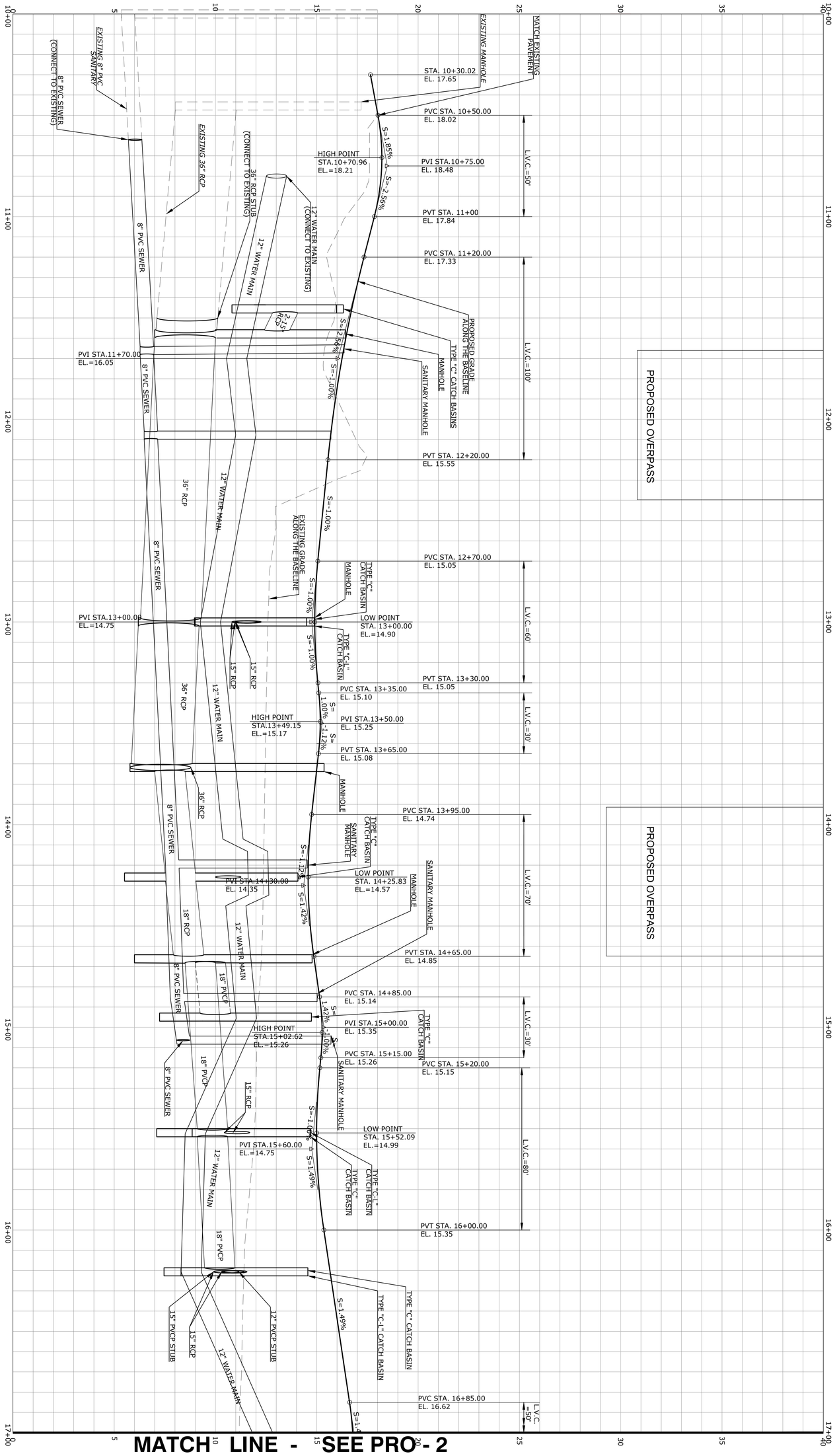

PRO-1

DESIGNED BY	ETK/MB
DRAWN BY	RJN
SCALE	1" = 20'
(SHEET SIZE: 30x42)	
DATE	01-15-2024
JOB NUMBER	21-022
DRAWING NUMBER	

DRAWING TITLE

HARBOR PLACE
ROADWAY
PROFILE

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PROJECT

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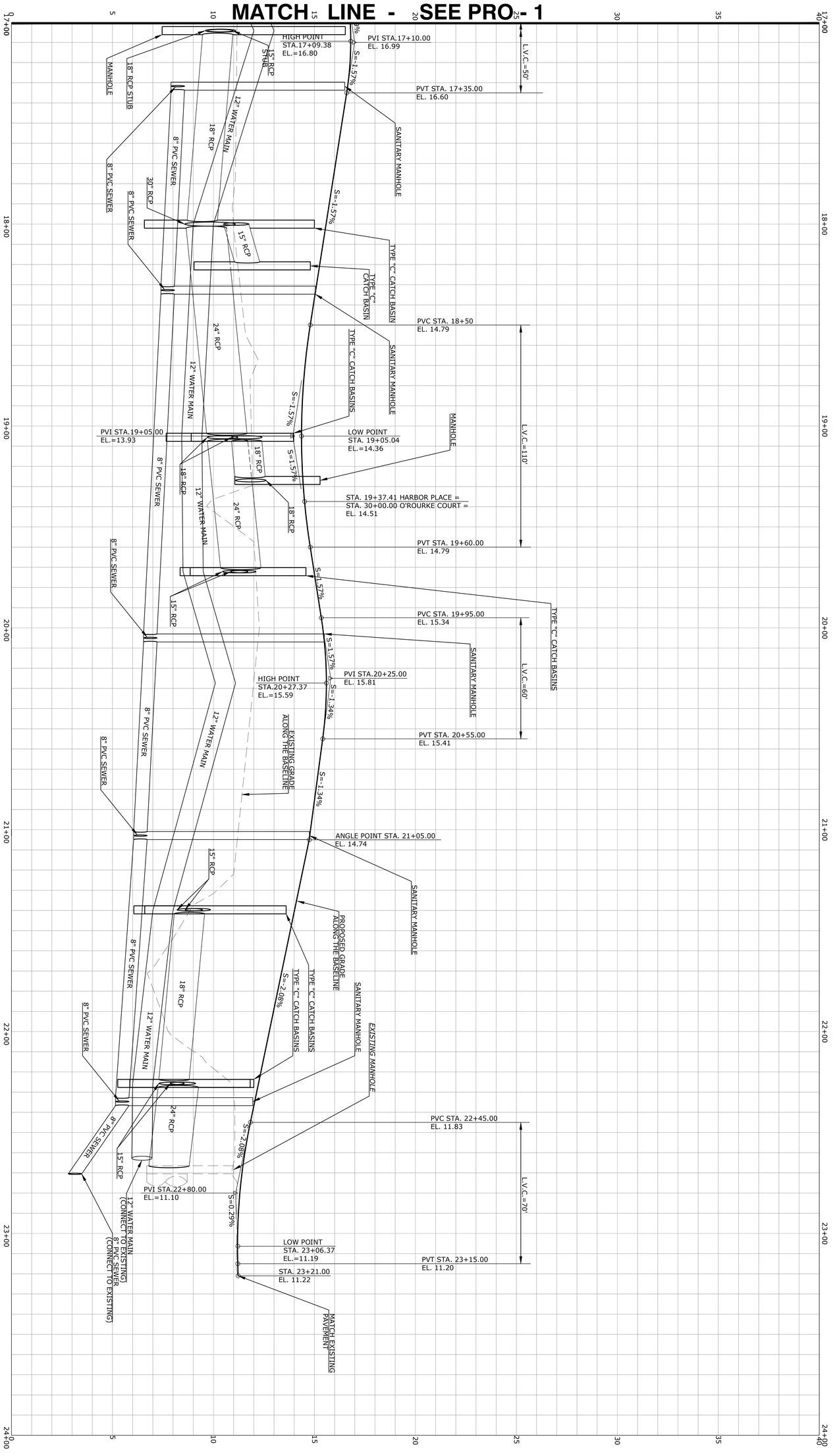

PRO-2

PROJECT MANAGER: ETK/MB
DESIGNED BY: RJN
SCALE: 1" = 20'
ISSUE DATE: 01-15-2024
JOB NUMBER: 21-022
DRAWING NUMBER: (SHEET SIZE: 30x42)

DRAWING TITLE

HARBOR PLACE ROADWAY PROFILE

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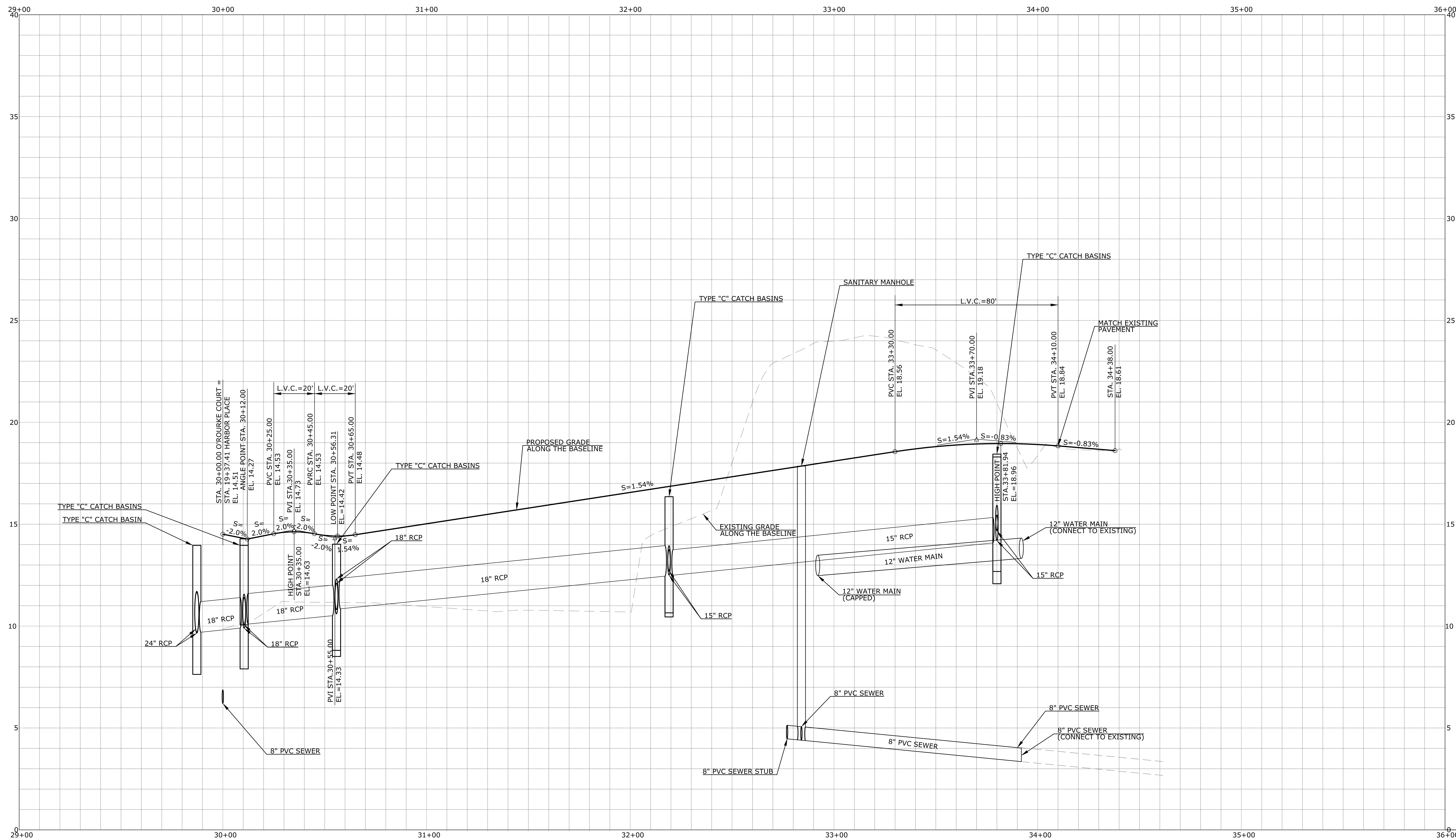

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DRAWING TITLE
O'ROURKE COURT ROADWAY PROFILE

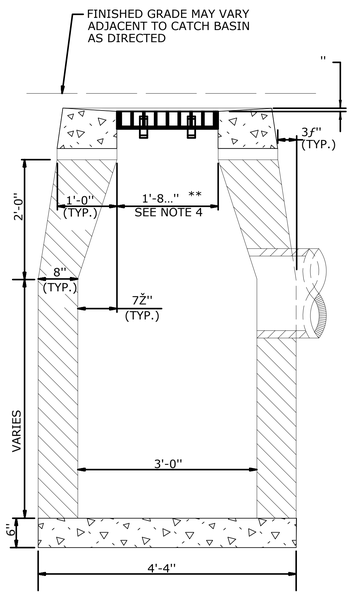
DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE
1" = 20'

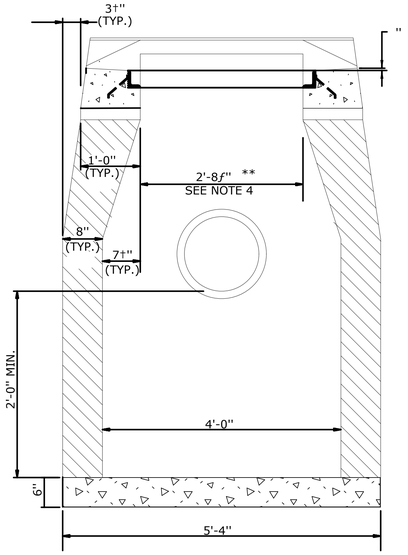
ISSUE DATE
01-15-2024

JOB NUMBER
21-022

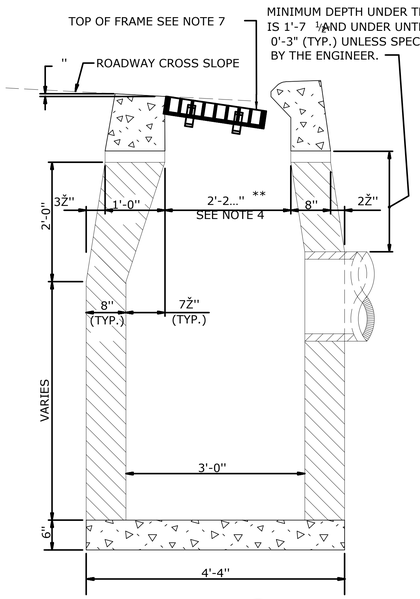
DRAWING NUMBER
PRO-3



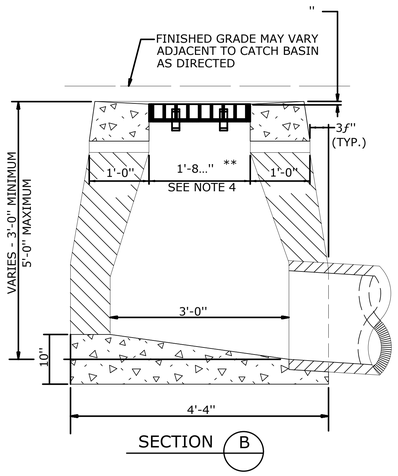
TYPE ''C-L'' CATCH BASIN



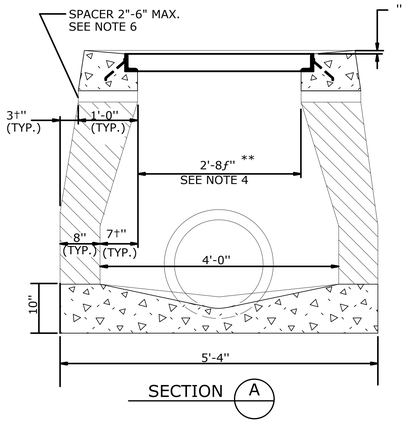
TYPE ''C'' & ''C-L'' CATCH BASIN (TYPE ''C'' TOP SHOWN)



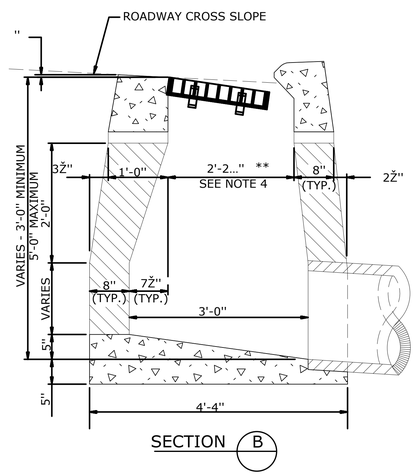
TYPE ''C'' CATCH BASIN



TYPE ''C-L'' DROP INLET



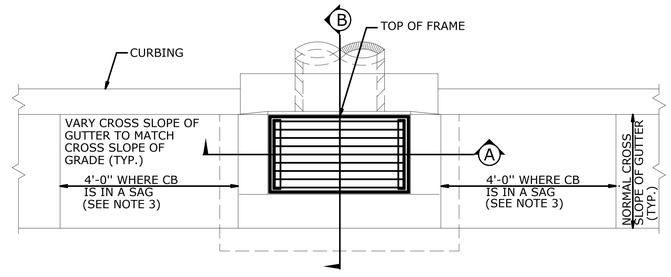
TYPE ''C'' & ''C-L'' DROP INLET (TYPE ''C-L'' TOP SHOWN)



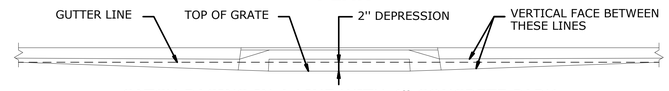
TYPE ''C'' DROP INLET

GENERAL NOTES:

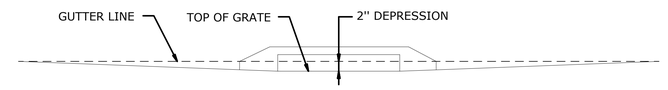
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED BY THE ENGINEER.
4. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DIMENSIONS SHOWN. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS FOR THE CATCH BASIN OPENINGS SHOWN IN THE SECTION VIEWS **.
5. WALL THICKNESS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" THICKNESS SHALL START AFTER THE FIRST 10'.
6. SPACERS CAN BE EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE THE PROPER GRADE SHOWN ON THE PLANS.
7. TOP OF FRAME ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE.



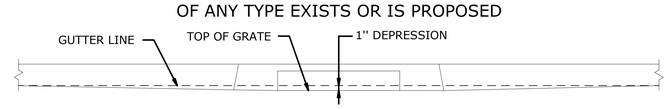
PLAN



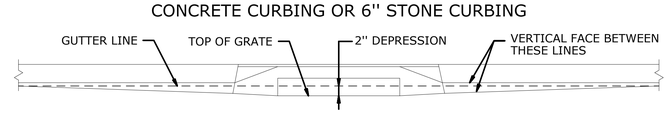
CATCH BASINS IN A LINE WITH 4'' CONCRETE PARK CURBING OR 4'' BITUMINOUS CONCRETE PARK CURBING



CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



CATCH BASINS IN A LINE WITH 6'' CONCRETE CURBING OR 6'' STONE CURBING



CATCH BASINS IN A LINE WITH 6'' BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE ''C'' CATCH BASIN

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FLAHERTY & COLLINS PROPERTIES

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	PERMIT	07/11/2022
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6	ISSUED FOR CONSTURCTION	01/15/2024

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT
TEL. 203-379-0320

DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

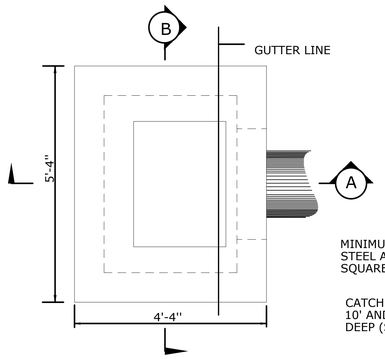
DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE (SHEET SIZE: 30x42)
AS NOTED

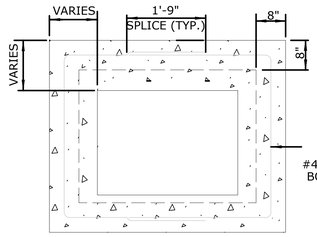
ISSUE DATE
01-15-2024

JOB NUMBER
21-022

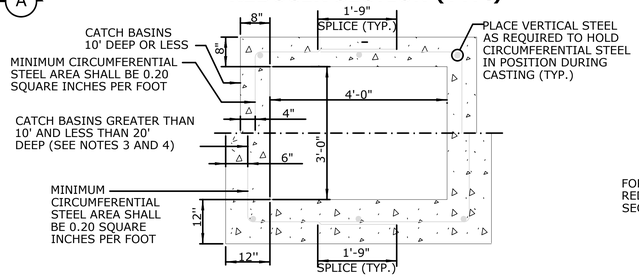
DRAWING NUMBER
MDS-2



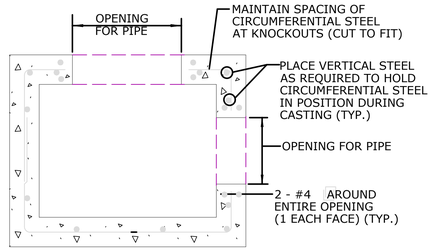
PLAN



REDUCER SECTION (TYP.)



RISER SECTION (TYP.)



TYPICAL SECTION THROUGH RISER WITH OPENING

GENERAL NOTES:

1. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.

2. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2 INCHES, EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1 INCHES.

3. WALL THICKNESS OF ALL CATCH BASINS OVER 10 FEET DEEP SHALL BE INCREASED TO 12 INCHES. INSIDE DIMENSIONS SHALL REMAIN THE SAME. THE 12 INCH THICKNESS SHALL START AFTER THE FIRST 10 FEET.

4. BASES AND RISERS AT A DEPTH OF 20 FEET AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND WORKING DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

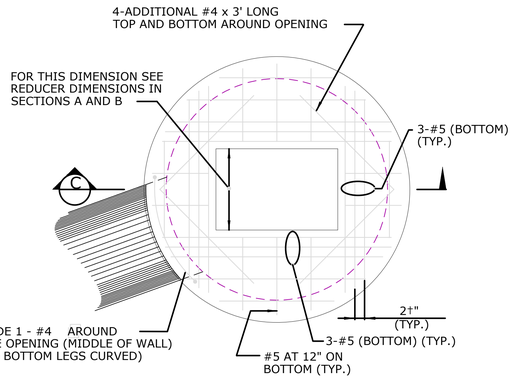
5. RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS SHALL BE PROVIDED. RISERS USED WHERE A PIPE OPENING IS TO REMAIN IN PLACE MUST BE FORMED UP WITH BRICK AS DIRECTED BY THE ENGINEER.

6. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. ROUND STRUCTURES SHALL BE USED WHEN PIPES CANNOT ALIGN WITH A RECTANGULAR STRUCTURE KNOCKOUT.

7. SHRINKAGE AND TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN THE TOPS OF SLABS. THE TOTAL AREA OF REINFORCEMENT PROVIDED SHALL BE AT LEAST 0.125 SQUARE INCHES PER FOOT IN EACH DIRECTION. THE MAXIMUM SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 18 INCHES.

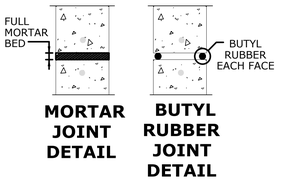
8. THE DETAILS SHOWN IN THE PLAN VIEW FOR PRECAST CONCRETE ROUND STRUCTURES SHALL ALSO BE USED FOR CONVERTING MANHOLES TO CATCH BASINS.

9. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07 FOR RECTANGULAR OPENING OR SHEET NOS. HW-586_10a, HW-586_ 10b OR HW-586_ 10c FOR CIRCULAR OPENING.



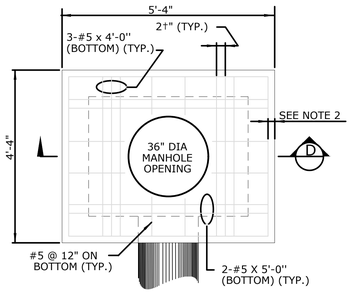
PLAN

(SEE NOTE 9)

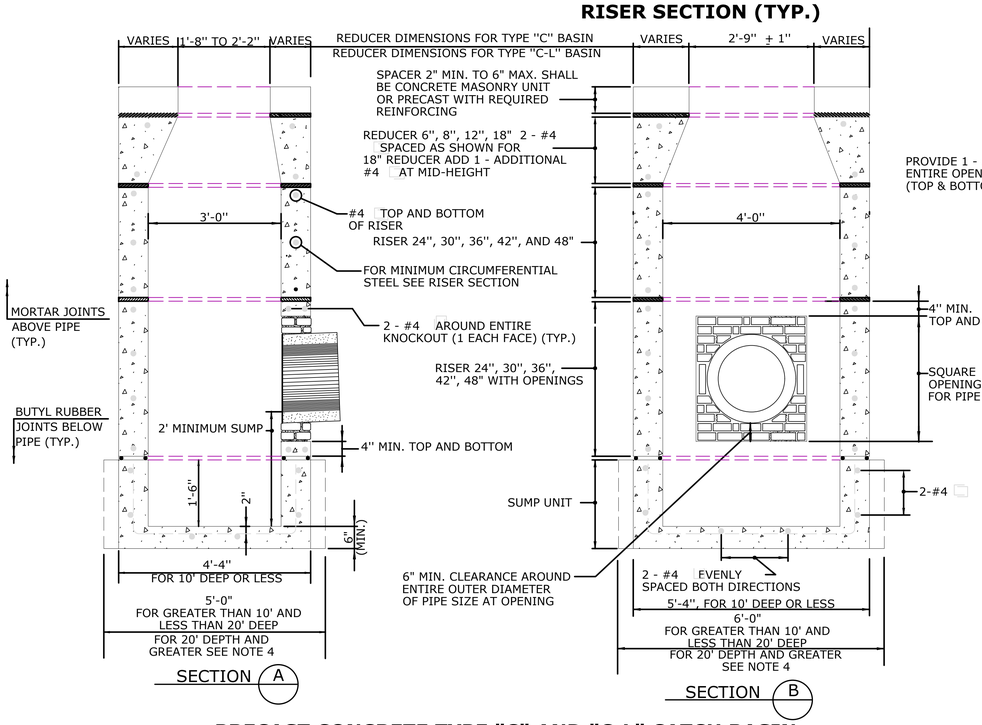


MORTAR JOINT DETAIL

BUTYL RUBBER JOINT DETAIL

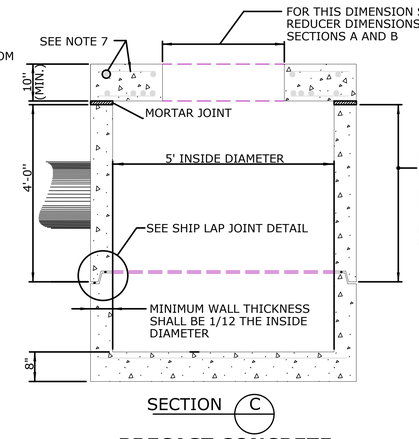


PLAN



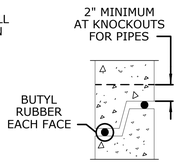
PRECAST CONCRETE TYPE "C" AND "C-L" CATCH BASIN

(UNDER 10' DEEP SHOWN)



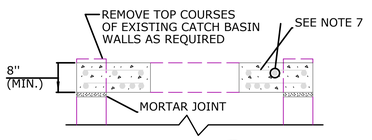
PRECAST CONCRETE TYPE "C" AND "C-L" ROUND STRUCTURE

(SEE NOTE 6)



SHIP LAP JOINT DETAIL

(FOR USE WITH ROUND STRUCTURES ONLY)



TOP SLAB TO CONVERT CATCH BASIN TO MANHOLE

PROJECT
Steelpointe Harbor
Residential - Phase 1
Bridgeport, Connecticut

CLIENT
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FLAHERTY & COLLINS PROPERTIES

NUMBER	DESCRIPTION	DATE
	PERMIT	07/11/2022
	ISSUE FOR BID	01/20/2023
6	ISSUED FOR CONSTURCTION	01/15/2024

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT
TEL 203-379-0320

DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

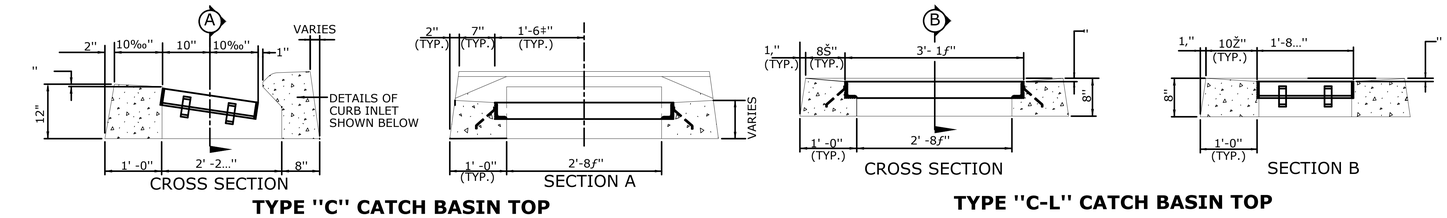
DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE: AS NOTED — SHEET SIZE: 30x42

ISSUE DATE: 01-15-2024

JOB NUMBER: 21-022

DRAWING NUMBER: **MDS-3**

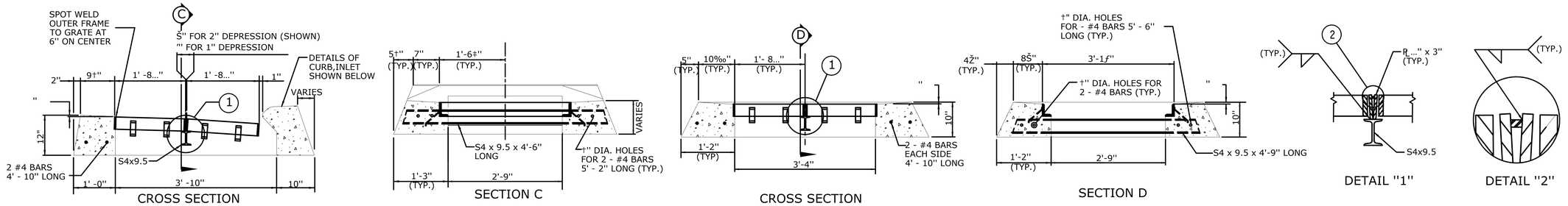


TYPE "C" CATCH BASIN TOP

TYPE "C-L" CATCH BASIN TOP

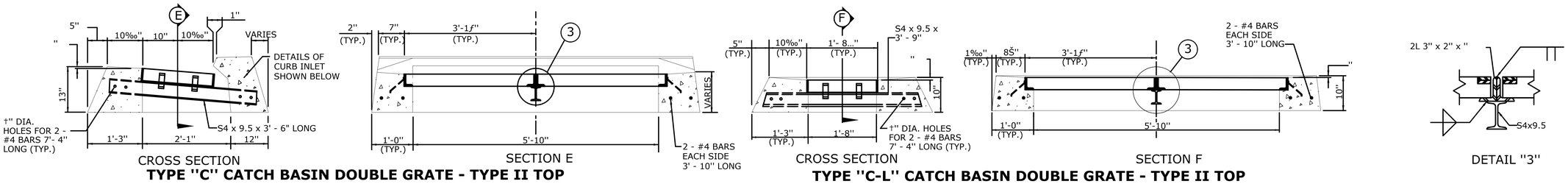
GENERAL NOTES:

1. FOR DETAILS OF FRAMES AND GRATES, SEE SHEET NO. HW-586_08.
2. ALL BARS SHALL HAVE A MINIMUM 2" COVER.



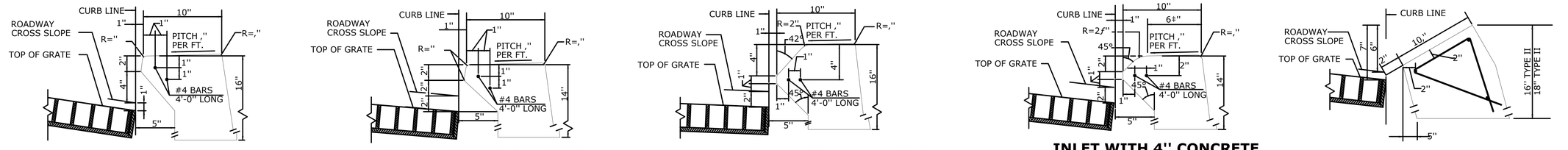
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP

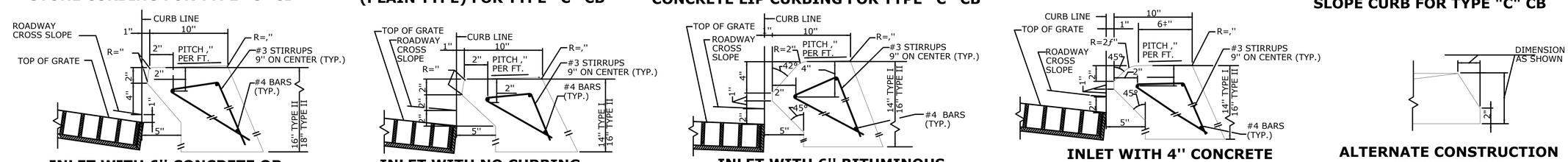
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP



TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP





PROJECT
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FLAHERTY & COLLINS PROPERTIES

NUMBER	DESCRIPTION	DATE
1	PERMIT	07/11/2022
2	ISSUE FOR BID	01/20/2023
3	ISSUED FOR CONSTURCTION	01/15/2024

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80 COLONY STREET MERIDEN, CT
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DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

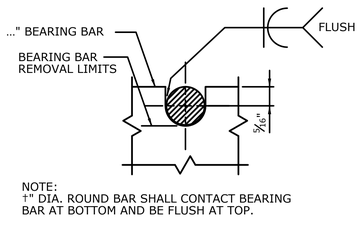
DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE: AS NOTED — SHEET SIZE: 30X42

ISSUE DATE: 01-15-2024

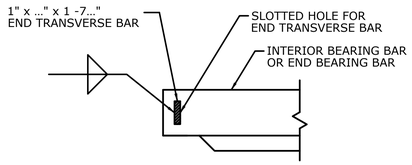
JOB NUMBER: 21-022

DRAWING NUMBER: **MDS-4**

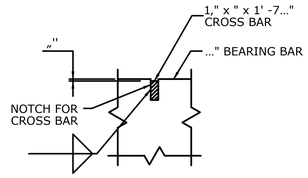


NOTE:
†" DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

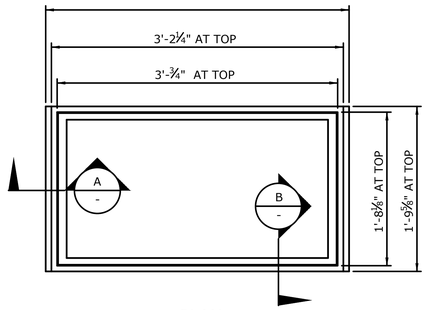
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A AND B



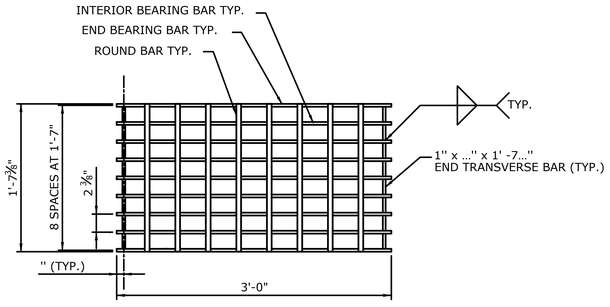
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



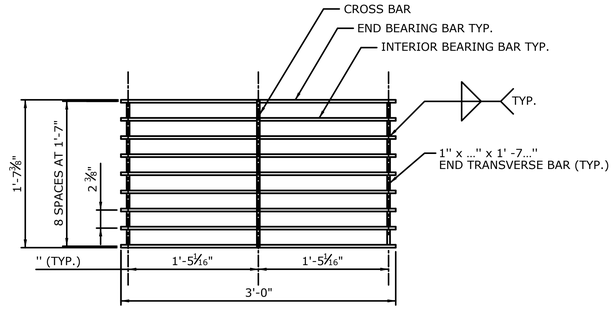
PLAN

GENERAL NOTES:

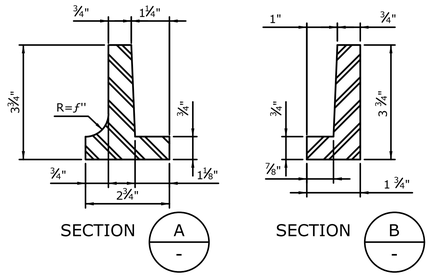
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" AND "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR ON HEAVY DUTY LOCK DOWN TOPS AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. DO NOT GALVANIZE CAST IRON FRAMES.
5. DIMENSIONAL TOLERANCES SHALL BE ^± INCH.
6. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.



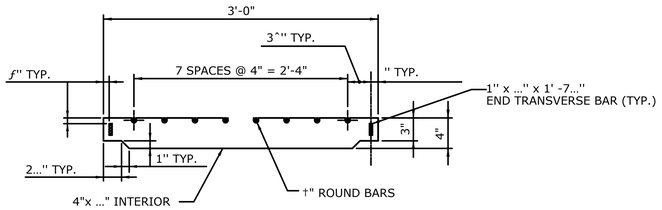
PLAN



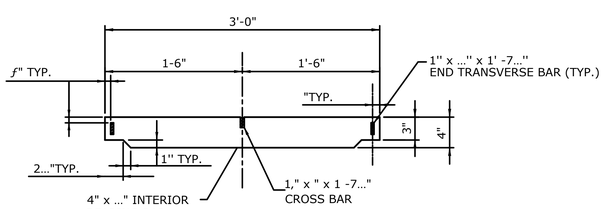
PLAN



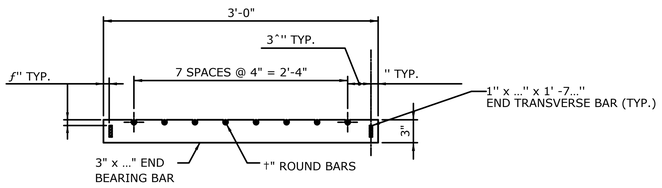
CAST IRON FRAME ALTERNATE



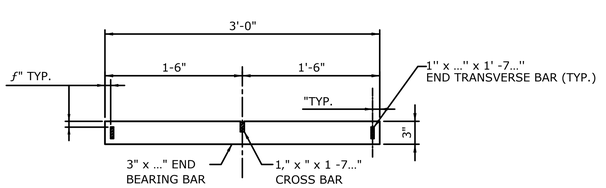
ELEVATION- INTERIOR BEARING BAR



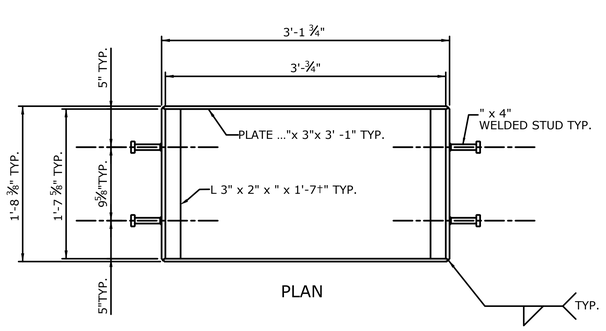
ELEVATION- INTERIOR BEARING BAR



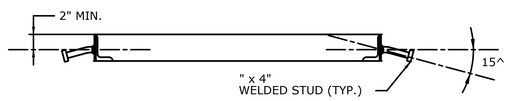
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN



WELDED STUD ANCHOR DETAILS
STEEL FRAME

PROJECT
Steelpointe Harbor
Residential - Phase 1
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Cleveland, Ohio 44131 | 216.524.8401 fax | info@cuparc.com

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FLAHERTY & COLLINS PROPERTIES

NUMBER	DESCRIPTION	DATE
	PERMIT	07/11/2022
	ISSUE FOR BID	01/20/2023
1	ISSUED FOR CONSTURCTION	01/15/2024

Luchs
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89 COLONY STREET MERIDEN, CT
TEL. 203-379-0320

DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

DRAWN BY	CHECKED BY
ETK/MB	RJN

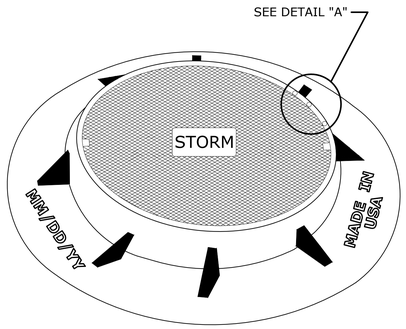
SCALE: AS NOTED | SHEET SIZE: 30X42

ISSUE DATE: 01-15-2024

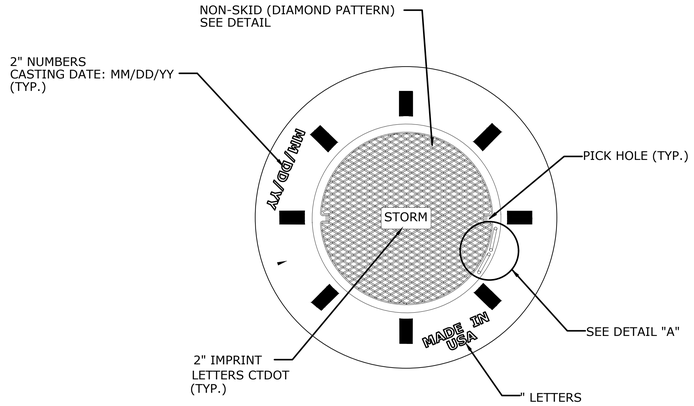
JOB NUMBER: 21-022

DRAWING NUMBER: **MDS-5**

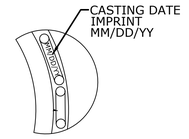
GENERAL NOTES:
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



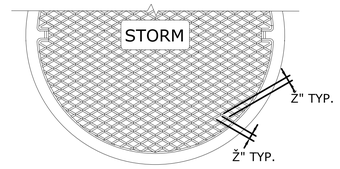
MANHOLE FRAME AND COVER



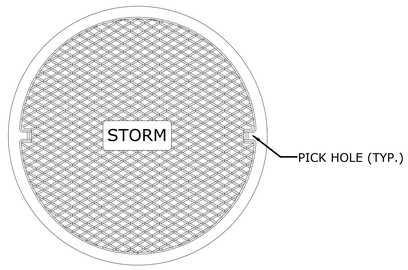
PLAN



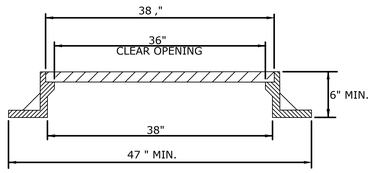
DETAIL "A"



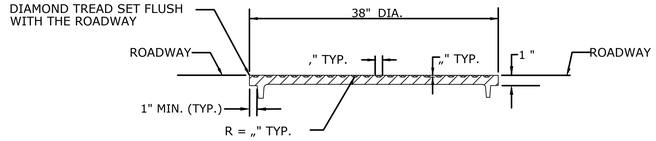
DIAMOND PATTERN
PLAN



MANHOLE COVER
PLAN



MANHOLE FRAME AND COVER



MANHOLE COVER WITH
DIAMOND PATTERN

PROJECT
Steelpointe Harbor
Residential - Phase 1
Bridgeport, Connecticut
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Indianapolis, Indiana 46204

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FLAHERTY & COLLINS PROPERTIES

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1	ISSUED FOR CONSTURCTION	01/15/2024

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT
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DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE (SHEET SIZE: 30x42)
AS NOTED

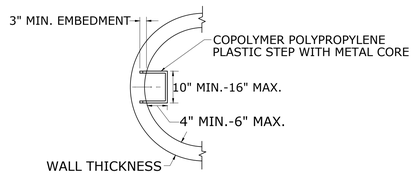
ISSUE DATE
01-15-2024

JOB NUMBER
21-022

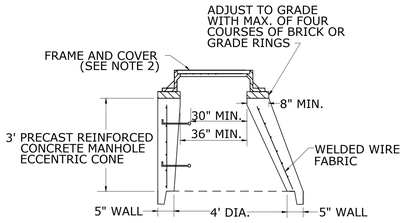
DRAWING NUMBER
MDS-6

GENERAL NOTES:

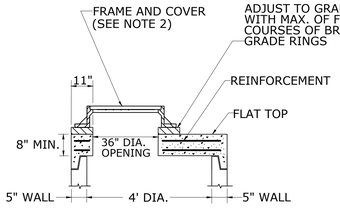
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE.
2. SEE SHEET NO. HW-586_10a, OR HW-586_10b FOR MANHOLE FRAME, COVER AND GRATE DETAILS.



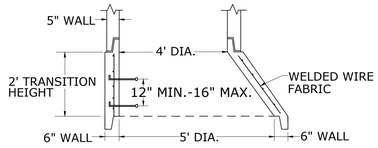
STEP DETAIL



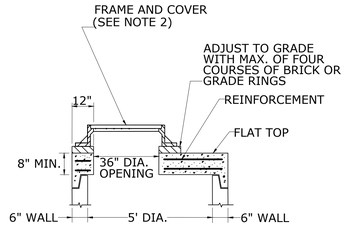
ECCENTRIC CONE SECTION



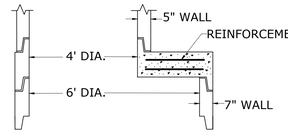
FLAT SLAB TOP FOR RISER SECTION



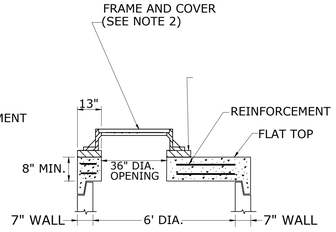
TRANSITION SECTION



FLAT SLAB TOP FOR RISER SECTION



REDUCER SECTION



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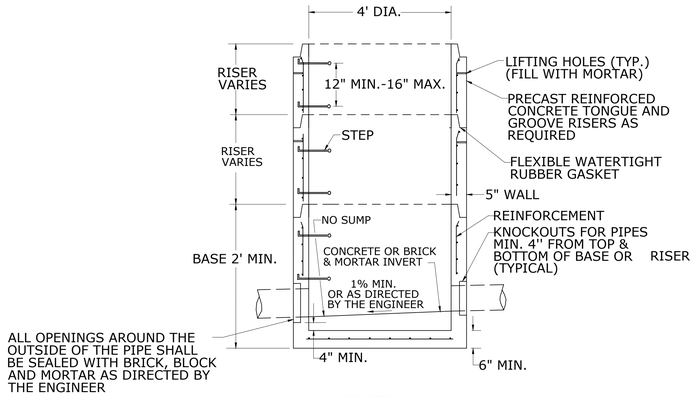
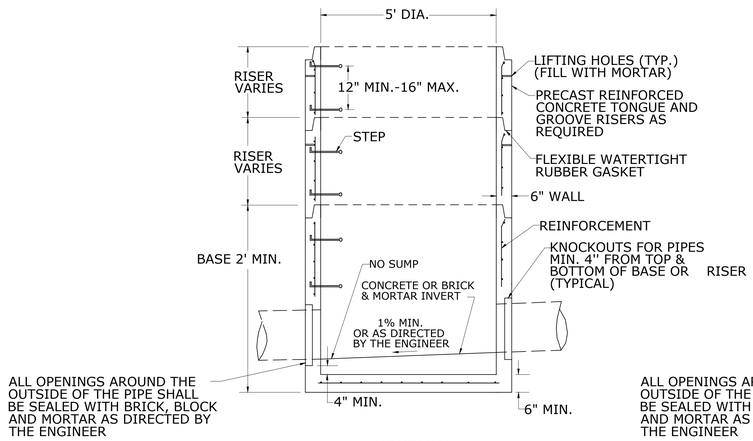
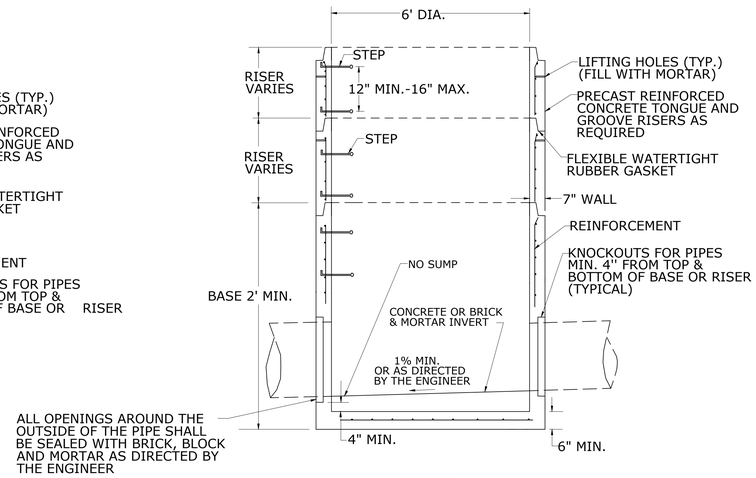


SECTION
4' DIAMETER REINFORCED PRECAST CONCRETE MANHOLE



SECTION
5" DIAMETER REINFORCED PRECAST CONCRETE MANHOLE



SECTION
6" DIAMETER REINFORCED PRECAST CONCRETE MANHOLE

PROJECT
Steelpointe Harbor
Residential - Phase 1
Bridgeport, Connecticut

CLIENT
SP Residential I, LLC
One Indiana Square, Suite 3000
Indianapolis, Indiana 46204

SEAL

CUPKOVIC architecture llc
6060 Rockside Woods Blvd | 216.524.8400 phone | www.cuparc.com
Cleveland, Ohio 44131 | 216.524.8401 fax | info@cuparc.com

FLAHERTY & COLLINS PROPERTIES

NUMBER	DESCRIPTION	DATE
	PERMIT	07/11/2022
	ISSUE FOR BID	01/20/2023
6	ISSUED FOR CONSTURCTION	01/15/2024

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT
TEL. 203-379-0320

DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

DRAWN BY	CHECKED BY
ETK/MB	RJN

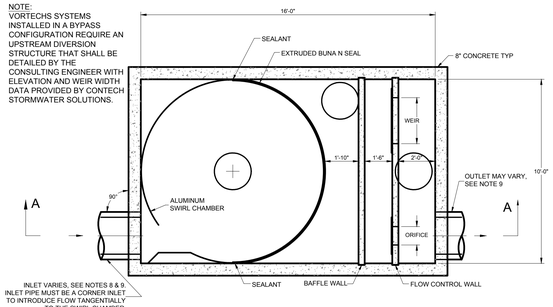
SCALE (SHEET SIZE: 30x42)
AS NOTED

ISSUE DATE
01-15-2024

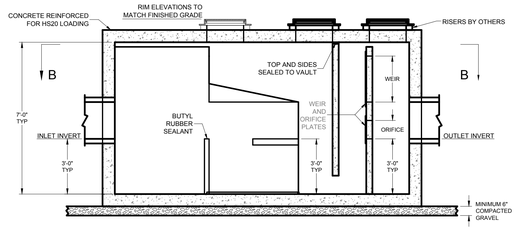
JOB NUMBER
21-022

DRAWING NUMBER
MDS-7

NOTE:
VORTECHS SYSTEMS INSTALLED IN A BYPASS CONFIGURATION REQUIRE AN UPSTREAM DIVERSION STRUCTURE THAT SHALL BE DETAILED BY THE CONSULTING ENGINEER WITH ELEVATION AND WEIR WIDTH DATA PROVIDED BY CONTECH STORMWATER SOLUTIONS.



PLAN VIEW B - B

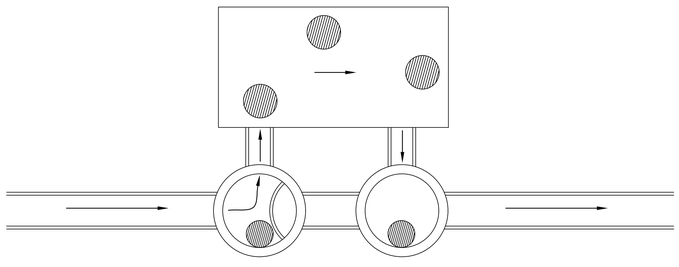


SECTION A - A

NOTES:
1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL HAVE:
   PEAK TREATMENT CAPACITY: 17.5 CFS
   SEDIMENT STORAGE: 5.6 CU YD
   SEDIMENT CHAMBER DIA: 10' MIN
2. SWTS SHALL BE CONTAINED IN ONE RECTANGULAR STRUCTURE
3. SWTS REMOVAL EFFICIENCY SHALL BE DOCUMENTED BASED ON PARTICLE SIZE
4. SWTS SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND
   INCLUDING PEAK TREATMENT CAPACITY
5. SWTS INVERTS IN AND OUT ARE TYPICALLY AT THE SAME ELEVATION
6. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER
7. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS
8. INLET PIPE MUST BE PERPENDICULAR TO THE STRUCTURE
9. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION
10. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF UNIT
11. MANHOLE FRAMES AND PERFORATED COVERS SUPPLIED WITH SYSTEM, NOT INSTALLED
12. PURCHASER TO PREPARE EXCAVATION AND PROVIDE CRANE FOR OFF-LOADING AND SETTING AT TIME OF DELIVERY
13. VORTECHS SYSTEMS BY CONTECH STORMWATER SOLUTIONS: PORTLAND, OR (800)548-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.

STORMWATER TREATMENT SYSTEM VORTECHS® MODEL 11000

NOT TO SCALE

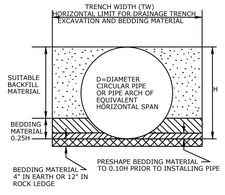


OIL GRIT SEPARATOR (WATER QUALITY UNIT)
OFF-LINE CONFIGURATION - VORTECHNICS UNIT

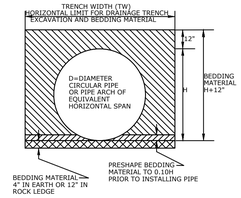
NOT TO SCALE

TRENCH WIDTH (TW) CHART

PIPE, PIPE-ARCH, OR DRAINAGE STRUCTURE	TRENCH WIDTH
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN LESS THAN 30"	2' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN GREATER THAN OR EQUAL TO 30"	3' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH FABRICATED FROM STRUCTURAL PLATES	4' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
DRAINAGE STRUCTURES	2' BEYOND ALL EXTERIOR OR FOUNDATION WALLS



PIPE TRENCH
FOR PIPES LESS THAN 48"



PIPE TRENCH
FOR PIPES GREATER THAN
OR EQUAL TO 48"

PROJECT
Steelpointe Harbor
Residential - Phase 1
Bridgeport, Connecticut

CLIENT
SP Residential I, LLC
One Indiana Square, Suite 3000
Indianapolis, Indiana 46204

CUPKOVIC architecture llc
6060 Rockside Woods Blvd. | 216.524.8400 phone | www.cuparc.com
Cleveland, Ohio 44131 | 216.524.8401 fax | info@cuparc.com

SEAL

FLAHERTY & COLLINS PROPERTIES

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89 COLONY STREET MERIDEN, CT
TEL. 203-379-0320

DRAWING TITLE
MISCELLANEOUS DETAILS - STORM SEWER

DRAWN BY	CHECKED BY
ETK/MB	RJN

SCALE: AS NOTED
SHEET SIZE: 30x42
ISSUE DATE: 01-15-2024
JOB NUMBER: 21-022
DRAWING NUMBER: **MDS-8**

Appendix H

NDDB Determination Letter

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

Generated by eNDDB on:
2/8/2024

Kyle Gearwar
FUSS & O'NEILL, INC.
59 Elm St
New Haven, CT 06510
kgearwar@fando.com

Subject: Filing # 106287
Steelpointe West Block Mid Rise Residential and District Roads
NDDB – New Determination Number: 202401737
City of Bridgeport Block 806 (Formerly a Portion of 137 East Main Street) (Proposed 55 East Main Street). Site located south of Stratford Avenue and west of East Main Street. Bridgeport

Expiration Date: 2/8/2026

Based on current data maintained by the Natural Diversity Database (NDDB) and housed in the DEEP ezFile portal, negative impacts to populations of Federal or State Endangered, Threatened, or Special Concern species (RCSA Sec. 26-306) are not anticipated from the proposed Wastewater and other water Discharge / Surface Water Discharge, Steelpointe West Block Mid Rise Residential and District Roads.

This NDDB – New determination may be utilized to fulfill the Endangered and Threatened Species requirements for state-issued permit applications, licenses, registration submissions, and authorizations. However, please be aware of the following limitations and conditions:

- This determination does not preclude the possibility that listed species may be encountered on site. Should this occur, a report must be submitted to the Natural Diversity Database promptly and additional action may be necessary to remain in compliance with certain state permits. Please fill out the appropriate survey form and follow the instructions for submittal.
- If your project involves preparing an Environmental Impact Assessment, this NDDB consultation and determination should not be substituted for conducting biological field surveys assessing on-site habitat and species presence.
- This determination applies only to the project as described in the submission and summarized at the end of this letter. Please re-submit an updated Request for Review if the project's scope of work and/or timeframe changes, including if work has not begun by 2/8/2026.

The NDDB – New determination for the Steelpointe West Block Mid Rise Residential and District Roads at City of Bridgeport Block 806 (Formerly a Portion of 137 East Main Street) (Proposed 55 East Main Street). Site located south of Stratford Avenue and west of East Main Street., Bridgeport as

described in the submitted information and summarized at the end of this document is valid for two years from the date on this letter.

Natural Diversity Database information includes all information regarding listed species available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, land owners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Database and accessed through the ezFile portal as it becomes available.

This letter is computer generated and carries no signature. If however, any clarification is needed, or if you have further questions, please contact the following:

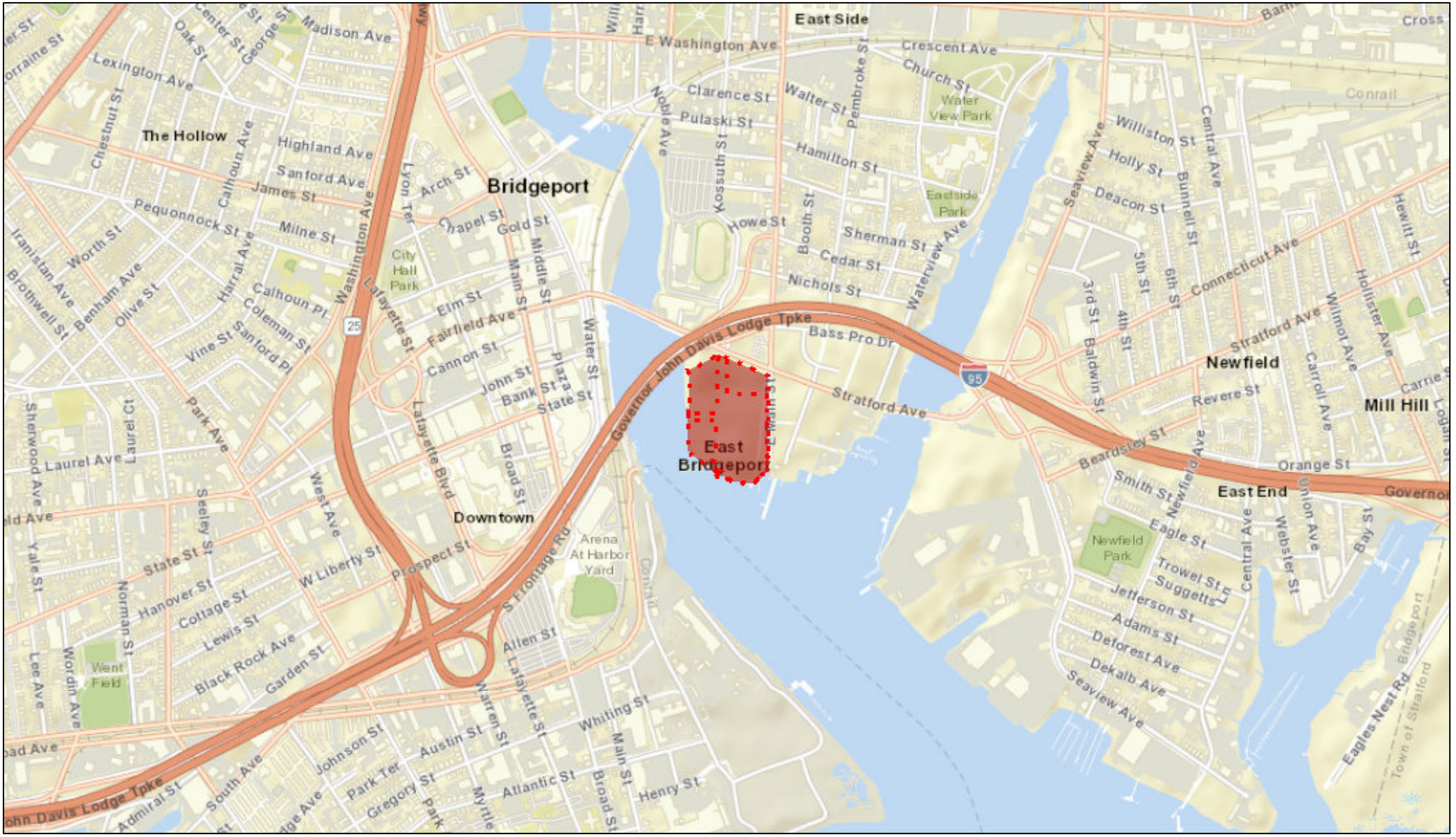
CT DEEP Bureau of Natural Resources
Wildlife Division
Natural Diversity Database
79 Elm Street, 6th floor
Hartford, CT 06106-5127
(860) 424-3011
deep.nddbrequest@ct.gov

Please reference the Determination Number provided in this letter when you e-mail or write. Thank you for submitting your project through DEEP's ezFile portal for Natural Diversity Database reviews.

Application Details:

Project involves federal funds or federal permit:	No
Project involves state funds, state agency action, or relates to CEPA request:	Yes
Project requires state permit, license, registration, or authorization:	Yes
DEEP enforcement action related to project:	
Project Type:	Wastewater and other water Discharge
Project Sub-type:	Surface Water Discharge
Project Name:	Steelpointe West Block Mid Rise Residential and District Roads
Project Description:	The Site is comprised of a vacant, undeveloped brownfield formerly occupied by the UI Electric Generating Plant. The proposed Project is part of the larger Steelpointe Harbor Development and consists of the construction of mid-rise, multi-family residential apartment buildings. This NDDB review is in support of a General Permit for the Discharge of Groundwater Remediation Wastewater registration, associated with required construction dewatering activities during redevelopment excavations.

Steelpointe West Block Mid Rise Residential and District Roads Map



January 29, 2024

1:19,195

0 0.15 0.3 0.6 mi

0 0.25 0.5 1 km

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Filing #106287 ezFile NDDB System

Appendix I

Coastal Consistency Form

Connecticut Department of
Energy & Environmental Protection
Bureau of Water Protection & Land Reuse
Land & Water Resources Division

Coastal Consistency Review Form

DEEP USE ONLY

Application No.: _____

Analyst Assigned: _____

Date Received (LWRD): _____

Please complete this form in accordance with the instructions (DEEP-INST-004). Print or type unless otherwise noted.

Part I: Project Information

1. Applicant Name: SP Residential I, LLC

Mailing Address: One Indiana Square, Suite 3000

City/Town: Indianapolis State: IN Zip Code: 46204

Business Phone: 317-816-9300 ext.: Fax:

Contact Person: Edward Duda Phone: 317-220-1430 ext.

E-mail: eduda@flco.com

2. Preparer Name: Triton Environmental, Inc.

Mailing Address: 385 Church Street

City/Town: Guilford State: CT Zip Code: 06437

Business Phone: 203-458-7200 ext.: Fax:

Contact Person: Carver Glezen Phone: ext.

E-mail: cglezen@tritonenvironmental.com

3. Street Address or Description of Location of the Project Site:

Future 55 East Main Street (Former 137 East Main Street)

City or Town: Bridgeport

4. Brief Project Description:

Applicant is submitting a registration for the General Permit for the Discharge of Stormwater Associated with Construction Activities associated with the development of a new residential apartment complex and associated roadways.

5. Is the project located within the coastal boundary as defined in CGS section 22a-94(b)?

☒ Yes ☐ No

If you answered **Yes** to this question, complete the entire form.

If you answered **No** to this question, and your project is located in a coastal area, skip Parts II through V and complete Parts VI, VII and VIII.

Part I: Project Information (continued)

Has an endangered or threatened species review for this proposed activity been prepared or submitted as part of another DEEP license application? ☒ Yes ☐ No

If Yes, proceed to Part II; if No, complete the question below.

6. ENDANGERED OR THREATENED SPECIES: According to the most current "State and Federal Listed Species and Natural Communities Map", is the activity which is the subject of this application located within an area identified as a habitat for endangered, threatened or special concern species?

☐ Yes ☐ No Date of Map:

If yes, complete and submit a *Request for NDDB State Listed Species Review Form* (DEEP-APP-007) to the address specified on the form, **prior** to submitting this application. **Please note NDDB review generally takes 4 to 6 weeks and may require additional documentation from the applicant.** A **copy** of the completed *Request for NDDB State Listed Species Review Form* **and** the CT NDDB response ***must*** be submitted with this completed application.

For more information visit the DEEP website at www.ct.gov/deep/nddbrequest or call the NDDB at 860-424-3011.

Part II: Identification of Applicable Coastal Use and Activity Policies and Standards

Identify all statutory goals and policies in or referenced by Section 22a-92 of the Coastal Management Act applicable to the proposed activities by checking the applicable boxes in the following table.

- ☒ General Development* - CGS Sections 22a-92(a)(1), 22a-92(a)(2), 22a-92(a)(9), 22a-92(a)(9)
- ☐ Water-Dependent Uses - CGS Sections 22a-92(a)(3), 22a-92(b)(1)(A)
- ☐ Ports and Harbors - CGS Section 22a-92(b)(1)(C)
- ☐ Coastal Structures and Filling - CGS Section 22a-92(b)(1)(D)
- ☐ Dredging and Navigation - CGS Sections 22a-92(c)(1)(C), 22a-92(c)(1)(D)
- ☐ Boating - CGS Section 22a-92(b)(1)(G)
- ☐ Fisheries - CGS Section 22a-92(c)(1)(I)
- ☐ Coastal Recreation And Access - CGS Sections 22a-92(a)(6), 22a-92(C)(1)(j), 22a-92(c)(1)(K)
- ☐ Sewer and Water Lines - CGS Section 22a-92(b)(1)(B)
- ☐ Fuel, Chemicals And Hazardous Materials - CGS Sections 22a-92(b)(1)(C), 22a-92(b)(1)(E), 22a-92(c)(1)(A)
- ☐ Transportation - CGS Sections 22a-92(b)(10)(F), 22a-92(c)(1)(F), 22a-92(c)(1)(G), 22a-92(c)(1)(H)
- ☐ Solid Waste - CGS Section 22a-92(a)(2)
- ☐ Dams, Dikes and Reservoirs - CGS Section 22a-92(a)(2)
- ☐ Cultural Resources - CGS Section 22a-92(b)(1)(J)
- ☐ Open Space and Agricultural Lands - CGS Section 22a-92(a)(2)

* applicable to all proposed activities

Part III: Consistency With Applicable Statutory Coastal Use and Activity Goals and Policies

Explain how the proposed activity is consistent with the applicable coastal activities goals and policies identified in Part II and describe any mitigation necessary to offset adverse impacts.

As discussed in Part I (4), the applicant is submitting a registration for the GP for the Discharge of Stormwater Associated with Construction Activities for the construction related to the proposed residential development and construction of associated roads and utilities. The proposed construction, which includes a public amenity (Harborwalk) will enhance public connectivity with the coastal resource. Proposed activities are not expected to impact or further restrict any future water-dependent uses or coastal resources in the vicinity of the Site. Mitigation measures are not anticipated to be necessary, as adverse impacts associated with the collection and discharge of stormwater (with new stormwater infrastructure) are not expected.

Part IV: Identification of Applicable Coastal Resources and Coastal Resource Policies

Identify the coastal resources and associated statutory policies that apply to your project by checking the applicable boxes in the following table.

Coastal Resources	on-site	adjacent to work site	off-site but potentially affected by the project
General Resources* - CGS Sections 22a-93(7), 22a-92(a)(2)	X	X	X
Beaches & Dunes - CGS Sections 22a-93(7)(C), 22a-92-(b)(2)(C), 22a-92(c)(1)(K)	☐	☐	☐
Bluffs & Escarpments - CGS Sections 22a-93(7)(A), 22a-92(b)(2)(A)	☐	☐	☐
Coastal Hazard Area - CGS Sections 22a-93(7)(H), 22a-92(a)(2), 22a-92(b)(2)(F), 22a-92(b)(2)(J), 22a-92(c)(2)(B), 22a-92(a)(5)	☒	☒	☐
Coastal Waters & Estuarine Embayments - CGS Sections 22a-93(5), 22a-93(7)(K), 22a-93(7)(L), 22a-93(7)(G), 22a-92(a)(2), 22a-92(c)(2)(A)	☐	☒	☐
Developed Shorefront - CGS Sections 22a-93(7)(I), 22a-92(b)(2)(G)	☒	☒	☐
Freshwater Wetlands and Watercourses - CGS Sections 22a-93(7)(F), 22a-92(a)(2)	☐	☐	☐
Intertidal Flats - CGS Sections 22a-93(7)(D), 22a-92(b)(2)(D), 22a-92(c)(1)(K)	☐	☐	☐
Islands - CGS Sections 22a-93(7)(J), 22a-92(b)(2)(H)	☐	☐	☐
Rocky Shorefront - CGS Sections 22a-93(7)(B), 22a-92(b)(2)(B)	☐	☐	☐
Shellfish Concentration Areas - CGS Sections 22a-93(7)(N), 22a-92(c)(1)(I)	☐	☐	☐
Shorelands - CGS Sections 22a-93(7)(M), 22a-92(b)(2)(I)	☐	☐	☐
Tidal Wetlands - CGS Sections 22a-93(7)(E), 22a-92(a)(2), 22a-92(b)(2)(E), 22a-92(c)(1)(B)	☐	☒	☐

* applicable to all proposed activities

Part V: Consistency with Applicable Statutory Coastal Resource Goals and Policies

Explain how the proposed activity is consistent with the applicable statutory coastal resource goals and policies identified in Part IV and describe any mitigation necessary to offset adverse impacts.

The proposed activity will be temporary in nature, contained within engineered systems, will not impact coastal resources, and is therefore consistent with applicable coastal resource goals and policies. A portion of the Site is within the 100-year floodplain; therefore, a flood management certification (FMC) will be prepared and submitted to DEEP for review. During construction, the contractor will implement a flood contingency plan, to address potential flooding concerns during redevelopment activities. The development incorporates flood protection measures to minimize future adverse impacts. Wetlands are mapped in the area of the Site; however, this area has an extended history of impacts from historical industrial and manufacturing activities occurring within the Pequonnock River and Yellow Mill Channel since the 19th century. The proposed developed is anticipated to have a positive impact on the surrounding area. The existing sheet pile bulkhead (developed shoreline) is anticipated to remain unchanged from proposed redevelopment activities.

Part VI: Identification of Potential Adverse Impacts

Identify the adverse impact categories that apply to the proposed activity. Check the applicable box if the proposed activity has the potential to generate any adverse impacts defined in the Coastal Management Act and referred to in the following table. If the category is applicable to the proposed activity, you may describe in Part VII project design features which may eliminate or minimize the potential for identified adverse impacts.

Potential Resource Impacts	Applicable	Not Applicable
Characteristics & Functions of Resources - CGS Section 22a-93(15)(H)	☐	☒
Coastal Flooding - CGS Section 22a-93(15)(E)	☐	☒
Coastal Waters Circulation Patterns - CGS Section 22a-93(15)(B)	☐	☒
Drainage Patterns - CGS Section 22a-93(15)(D)	☐	☒
Patterns of Shoreline Erosion and Accretion - CGS Section 22a-93(15)(C)	☐	☒
Visual Quality - CGS Section 22a-93(15)(F)	☐	☒
Water Quality - CGS Section 22a-93(15)(A)	☒	☐
Wildlife, Finfish, Shellfish Habitat - CGS Section 22a-93(15)(G)	☐	☒

Potential Impacts on Water Dependent Uses	Applicable	Not Applicable
Locating a non-water-dependent use on a site suited to or planned for a water-dependent use - CGS Section 22a-93(17)	☐	☒
Replacing an existing water-dependent use with a non-water-dependent use - CGS Section 22a-93(17)	☐	☒
Siting a non-water-dependent use which reduces or eliminates public access to marine or tidal waters - CGS Section 22a-93(17)	☐	☒

Part VII: Consistency with Statutory Adverse Impact Policies

Explain how all potential adverse impacts identified, as applicable, in Part VI have been avoided, eliminated or minimized.

Stormwater will be handled, monitored, and discharged in accordance with the GP for the Discharge of Stormwater Associated with Construction Activities which is being submitted concurrent with this Review Form. Stormwater will be directed to the existing onsite 36-inch reinforced concrete pipe (RCP) stormwater infrastructure (via a surficial manhole), which discharges directly to Bridgeport Harbor through the existing bulkhead, located immediately adjacent to the Site to the south. Given the proposed control measures outlined in the Stormwater Pollution Control Plan, the water quality of the receiving waterbody will not be impacted by proposed stormwater discharges.

The proposed Site development incorporates public access and recreational use through the installation of a boardwalk access along the shoreline. Additionally, the adjacent marina currently utilizes a portion of the shorefront of the Site and proposed Site development does not hinder the potential for additional marina frontage. Therefore, no potential adverse impacts on future water-dependent development opportunities and activities were identified at the Site.

Part VIII: Remaining Adverse Impacts

Identify any adverse impacts which remain after incorporating all measures to eliminate or minimize such adverse impacts, and explain why no feasible and prudent alternatives exist that would further avoid or reduce such impacts.

There are no anticipated adverse impacts after incorporating all measures discussed above.

If this completed form is required as part of another DEEP license application, submit this completed form as instructed on the relevant application.

If this completed form is **not** required as part of another DEEP license application, submit this completed form to:

COASTAL PLANNING
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127