

Stormwater Pollution Control Plan
(SWPCP)

**for the Construction Activities
Associated with the**

Solar Development Project

**at 150 Pelican Drive
Nautilus Park I Subdivision
Groton, Connecticut 06340**

Prepared for:

Solar City
3055 Clearview Way
San Mateo, CA 94402

March 2016

Prepared by:

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Project Manager



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ACRONYMS

| | |
|-------|--|
| DEEP | State of Connecticut Department of Energy and Environmental Protection |
| GP | General Permit |
| PV | Photovoltaic |
| SWPCP | Stormwater Pollution Control Plan |
| USN | United States Navy |



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INTRODUCTION

In accordance with the Connecticut Department of Energy and Environmental Protection (DEEP), a *General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities* (GP) is required. DEEP defines construction activities as clearing, excavating, grading, or other land disturbances with a total disturbance of one or more acres of land on a site. In the State of Connecticut, the NPDES program is maintained by the EPA whereby construction projects are issued a permit to discharge stormwater into state waters.

The SWPCP prepared herein establishes a plan to manage the quality of stormwater runoff from the construction activities undertaken to develop the proposed solar array at the Nautilus Park I subdivision for Solar City, Inc. This SWPCP has been developed in accordance with all requirements and/or guidelines specified in the GP. Additionally, all stormwater control measures must also conform to state and local requirements and procedures for stormwater management including the *2004 DEEP Connecticut Stormwater Quality Manual* and the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control*.

PROJECT OWNER AND OPERATOR

The Project owner and operator, Solar City, Inc. will be responsible for constructing the Project. Their contact information is as follows:

***Solar City, Inc.
3055 Clearview Way
San Mateo, CA 94402***

***Contact: Paul Platt, Operations Manager
(914) 606 2252***



SITE CONDITIONS

EXISTING CONDITIONS

The existing project site at Pelican Drive is currently owned by the Navy and consists of open mowed lawn (4.50± acres). The site was formerly developed with single family dwelling units as Navy housing. The site has since been cleared of all dwellings and infrastructure and remains an open mowed grass field with some bordering trees and ledge outcroppings between Pelican Drive and Tern Road. The site is bordered by single family dwellings along Pelican Drive, an existing paved parking area located on Tern Road south of the site, and by woodlands which surround Beaverdam Brook west of the site. The existing roadway drainage infrastructure within Pelican Drive and Tern Road is intact and maintained.

The existing topography is shown on the accompanying Site Plans and plan entitled Existing Conditions Plan. The surface is grass covered (good) throughout the project area. The topography along Pelican Drive, upper tier, is relatively flat and slopes in a southwesterly direction. The grassed area adjacent to Tern Road, lower tier, is more moderately sloped, also drains in a southwesterly direction, but on average is 10' to 15' lower in elevation than the upper tier. The two "tiers" are separated by a steep outcropping of ledge containing tall trees.

PROPOSED CONDITIONS

The project at the Nautilus Park I subdivision at 150 Pelican Drive consists of the installation of a solar photovoltaic (PV) panel array. The array will include 1,924-310W PV modules (panels) which will be mounted upon a racking system consisting of galvanized steel driven posts and steel purlin frames. The solar array will generate approximately 596.44 kW DC. The array will be completely enclosed with chain link fence for security purposes and gated access will be provided for maintenance purposes.

The proposed ground cover will remain as is under existing conditions and will consist of grass. The proposed site will drain toward the existing roadways and continue to be collected as is under existing conditions.

DRAINAGE PATTERNS AND CONTROL MEASURES

The existing ground cover throughout the project site consists entirely of grass with some outcroppings of rock. Stormwater from the grassed areas generally flows offsite into the surrounding roadways where it is collected with catch basins before eventually discharging into Beaverdam Brook. There will be negligible changes in the existing surface within the proposed solar array under proposed conditions. Some minor grading will be necessary to correct some irregularities in the existing surface and to facilitate the installation of the mounting posts and panel racking systems. No impervious surfaces are proposed. Therefore, the proposed drainage patterns will remain identical to the existing drainage patterns.

The applicable BMP's and methods identified in the Connecticut Guidelines for Soil Erosion and Sediment Control will be utilized to contain sediment and reduce the potential for erosion. Such methods include the installation of silt fence upstream of all wetlands or water bodies



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and the placement of silt traps and sediment barriers around existing drain inlets. Erosion and Sedimentation Control Plans are included in the Appendix.

MODIFICATION TO THE PLAN

Although a modification is not anticipated, the SWPCP will be revised as soon as possible when:

- Change in Contractor/Sub-Contractor;
- Change in design, construction, operation, maintenance which could potentially discharge pollution to the waters of the state;
- Measures identified in SWPCP have failed or are not functioning properly.

Should an inspection identify deficiencies, the revised SWPCP will implement all modifications within 3 days following the inspection.



CONSTRUCTION ACTIVITIES

This section represents a description of the activities proposed at the site as required in Section 6 (b) (6) (A) of the GP.

MAJOR CONSTRUCTION ACTIVITIES

Prior to construction, Solar City will complete pre-construction planning activities with all of the sub-contractors. Solar City will maintain contact with all regulatory agencies during construction to design procedures to minimize or avoid any adverse impacts to the environment as necessary.

Generally, the Project will be constructed in several phases. Since the Project areas are separated in two distinct areas, the same phases of construction will apply to each area and may at times overlap in sequence. The major phases and sequence of construction are as follows:

- Establishment of field construction staging and/or field office locations (Mobilization)
- Survey to stake-out silt fence and limits of clearing and delineation of all sensitive wetland areas
- Installation of erosion control measures along limit of clearing
- Clearing of trees and vegetation
- Earthwork (grading) of array footprint
- Installation of perimeter fencing
- Install driven support posts for PV module mounting systems
- Construct solar PV module mounting and racking systems
- Medium voltage electrical work
- Inspections, commissions, punch lists
- Site restoration

The following construction equipment and/or vehicles are anticipated to be used during construction of the Project:

- Flat-bed truck
- Bulldozer
- Bucket trucks for tree clearing
- Wood chippers
- Truck mounted booms for equipment and material handling
- Track mounted hammer post driving machine

ESTIMATES OF AREAS TO BE DISTURBED

The construction activities will result in a land disturbance of approximately 4.50 acres. However, tree removal and grubbing of roots will only be necessary within the steep central locations of the site along the rocky ridge line running along the site axis. The excavated stumps will be backfilled with clean fill and loam and seed covering. The area outside of the security fence will be cleared of individual trees as necessary to eliminate shading but the stumps and root systems will remain.



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POST-CONSTRUCTION RUNOFF

As stated above, the proposed site conditions will not alter the existing drainage patterns. The existing grass covered surface will remain during proposed site conditions. The time of concentration will also not be changed from existing to proposed site conditions. Therefore, during post-construction conditions, the stormwater runoff will be identical in pattern, discharge volume, time of concentration, and flow direction.

POTENTIAL POLLUTANTS

The only potential pollutants anticipated within the construction site will be the stormwater runoff from the surface of bare or disturbed soils. Best Management Practices (BMP's) will be utilized during construction and other potential site specific pollutants, including petroleum based products needed for construction vehicles and equipment, will be discussed in further detail in succeeding sections of this SWPCP.

PROJECT MAPS & DRAWINGS

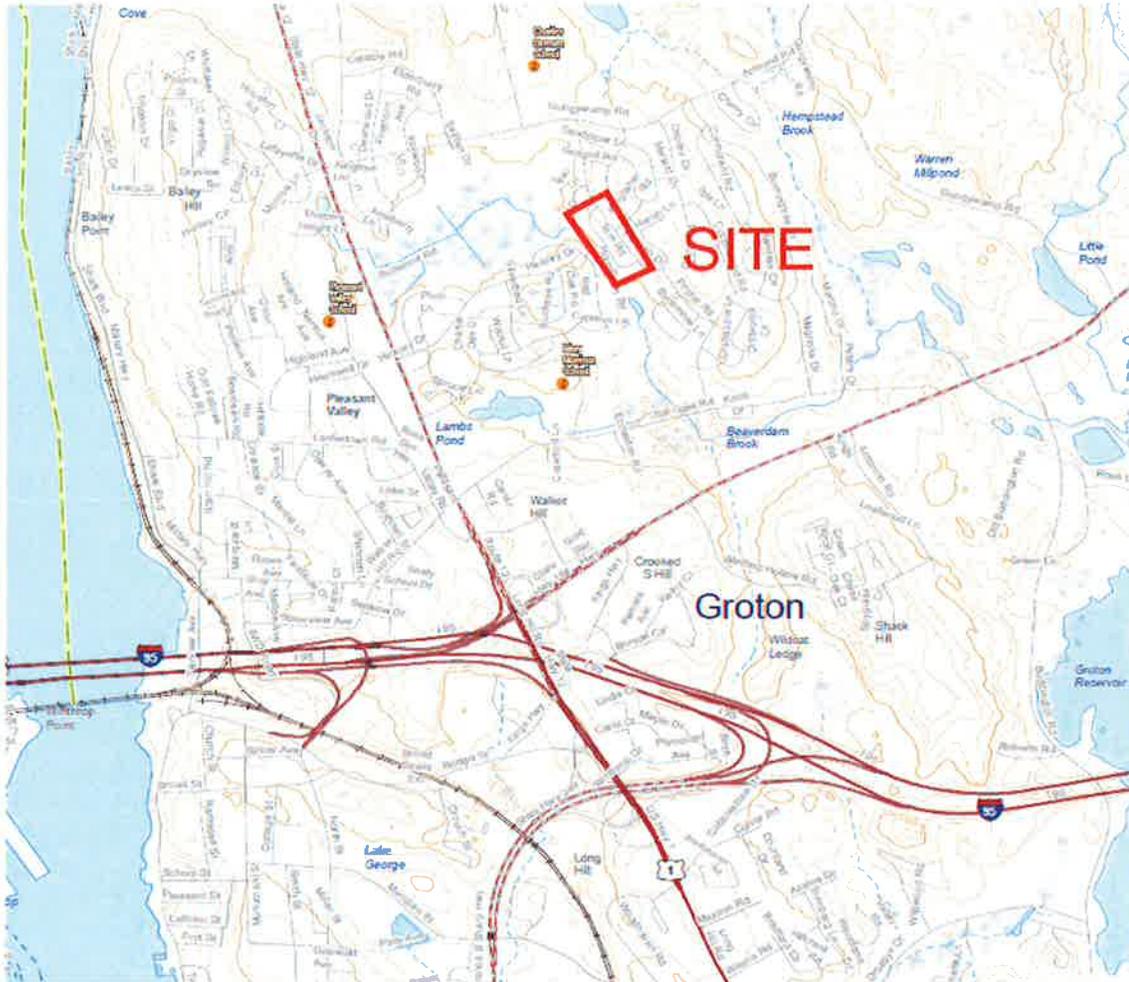
The Project area is located within the Thames River Watershed and stormwater runoff from within the project area discharges to one of its tributaries, Beaverdam Brook. A set of Project Construction Drawings are include with this SWPCP.

Beaverdam Brook is depicted as a perennial stream on the latest USGS map and running adjacent to the Project area. The brook is generally between six to ten feet wide and its banks are well defined.



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Figure 1 – Contour Map





CONSTRUCTION SEQUENCING AND CONTROLS

The nature and scope of the construction activities proposed for the solar array are detailed in sections above and are accurately depicted on the attached Site drawings. Construction will commence once all permits and state approvals are in place, and will be performed by both Solar City and private sub-contractors over the next one year period.

Prior to the commencement of any construction activity, Solar City will distribute copies of the permits, plans, and approvals with conditions containing direction to how work is to be performed. It will be the responsibility of Solar City that each sub-contractor to review each of the permits and approval conditions. It will be the responsibility of Solar City and its sub-contractors to provide continuous competent supervision of their respective work and to ensure supervision is well versed in the conditions of each permit, plan, and/or approval.

SITE DISTURBANCE

A summary of the construction activities that will result in land disturbance is provided in this section. Solar City and all of its sub-contractors will comply with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and each will take particular notice to the stabilization of disturbed surfaces. Specifically:

- Perimeter controls will be actively maintained until final stabilization of the portions of the site up gradient of the perimeter controls;
- When activities have ceased for more than 7 days, or when final grading is achieved in any portion of the site, stabilization practices will be implemented within 3 days;
- Areas that remain disturbed for more than 30 days will receive temporary seeding in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control;
- Areas that remain disturbed beyond the planting season will receive long-term, non-vegetative stabilization sufficient to protect the site through the winter;
- Install stabilization measure as soon as possible and in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control.

INITIAL EROSION CONTROL INSTALLATION

The total site disturbance for the proposed solar array is approximately 4.5 acres. Silt fence will be installed along the limit of clearing and upstream of Beaverdam Brook. Siltation traps (e.g. silt sacks or similar) will be installed within existing drain inlets and sediment barriers will be installed around the perimeter of the drain inlets. All erosion control measures will be in place prior to the commencement of construction. Other methods such as mulch berms, erosion control socks, or hay bales may also be implemented as appropriate within the project area.



BEST MANAGEMENT PRACTICES (BMP'S)

EROSION AND SEDIMENTATION CONTROLS

Soil erosion and sedimentation controls are installed to reduce to the maximum extent practicable the amount of sediment carried by stormwater runoff deposited into receiving water bodies or other sensitive environmental areas. Particular attention must be given to this section of the report as it will outline the most appropriate measures which will be undertaken by the Contractor and all sub-contractors performing work on the Project. Furthermore, it is the responsibility of the Contractor to assure adherence to these controls and to amend as necessary the controls to adjust to varying field conditions in order to control erosion and sedimentation to the maximum extent practicable.

All soil and erosion control measures will be implemented in accordance with this SWPCP or in the best judgment of the Owner's field representative. The measures will remain in place during and after construction until final stabilization has been achieved. Once the site has achieved stabilization, all temporary erosion and sedimentation controls will be removed.

STRUCTURAL EROSION CONTROL PRACTICES

Structural erosion control practices include the installation of siltation fence, drainage swales, check dams, and sediment traps. These practices divert stormwater flow from bare soil surfaces into onsite areas before discharging outside of the Project area.

TEMPORARY EROSION CONTROL PRACTICES

As construction progresses into other areas of the project site, it may become necessary for the contractor to install other temporary measures to keep sediment onsite. Temporary measures will be determined onsite by the contractor and the SWPCP will be modified accordingly to reflect these modifications. All temporary measures will be removed upon final site stabilization.

The following temporary measures will be utilized for the Project:

- Siltation fence – use to intercept stormwater runoff around the entire cleared perimeter of the arrays and access roads. Silt fence will also be placed around temporary material stockpiles.
- Hay bales – used to bolster silt fence as necessary

PERMANENT EROSION CONTROL PRACTICES

Permanent erosion control measures are those considered to be left in place after the completion of construction and final stabilization has been achieved throughout the Project areas. Bare soil areas shall be re-seeded and protected as necessary.

STABILIZATION PRACTICES

Stabilization measures include covering seeded areas with mulch, straw, or geotextiles and especially on steeply sloped areas. Vegetative cover, once established, provides the greatest protection by promoting infiltration of stormwater and reducing surface erosion. Therefore, it is important that these measures be implemented as quickly as



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possible and no more than two weeks after construction in a particular area of the Project has lapsed.

The following stabilization measures shall be utilized on the Project:

- *Topsoiling* – topsoil shall be used in areas where the substrate material will not provide an adequate growth medium for the seed or desired vegetation. Topsoil should not contain any subsoil, roots, stones, clay, or similar.
- *Seeding* – Either dry seeding or hydro-seeding shall be used to stabilize exposed soil surfaces. The contractor is responsible for ensuring that seed is not blown or washed away from the site. He will repair eroded or disturbed seeded or grassed areas as necessary to provide stability.
- *Mulching* – Used in conjunction with dry seeding techniques to provide protection. Mulch should be placed at a rate of two tons per acre of disturbed area. Mulch should not be used over hydro-seeded areas. Mulch should be anchored in place on steeply sloped area.

EROSION CONTROL INSPECTION AND MAINTENANCE

All erosion control measures shall be inspected weekly and after periods of heavy rainfall. Temporary erosion controls shall be inspected prior to periods of rainfall and repaired, cleaned, or replaced as necessary if deemed ineffective.

After temporary or final stabilization, inspections should be conducted monthly. If construction is halted during winter conditions, inspections can cease until approximately one month prior to the spring thaw. Inspections will cease once final site stabilization has been achieved.

Annual inspections should be performed throughout the entire developed area to ensure that vegetation establishment is adequate. The owner shall be responsible for any necessary repairs which have been identified during the annual inspection.

POST-CONSTRUCTION STORMWATER MANAGEMENT

Post-construction stormwater management will consist of regular maintenance of the grassed areas surrounding the panels and outside of the fence including mowing, string trimming, and inspections to ensure that erosion will not occur.



INSPECTIONS, MONITORING, MAINTENANCE, AND RECORDS

The following contains a summary of the necessary inspections that are required during and after construction and until a *Notice of Termination* has been issued to Solar City by CT DEEP. The *General Permit* also requires that inspections be performed, logged, and maintained onsite. Solar City will be held responsible for the maintenance and integrity of all soil erosion control measures during and after construction has ceased.

PLAN IMPLEMENTATION INSPECTIONS

According to the conditions of Section 5 (b)(4)(A) and (B) of the *General Permit*, (1) an initial inspection is required within the first 90 days of the start of construction by a qualified SE&SC professional or a Professional Engineer to ensure that the SWPCP is in compliance with the GP and that all initial control measures have been implemented properly, and (2) follow-up routine inspections be performed until a *Notice of Termination* is issued by CT DEEP.

Pursuant to Section 5 (b)(4)(A)(i) of the GP, the personnel performing the inspections must not be an employee of Solar City and cannot have any ownership interest of any kind in the project for which the registration is being submitted. Additionally, the inspection personnel must possess a professional license or certification recognized by the commissioner related to civil engineering, agronomy, landscape architecture, soil science, and two (2) years of demonstrable experience in erosion and sediment control plan reading, installation, inspection, and/or report writing for commercial projects in accordance with the *2002 Connecticut Guidelines*; or five (5) years of demonstrable experience in erosion and sediment control plan reading, installation, inspection, and/or report writing for commercial projects in accordance with the *2002 Connecticut Guidelines*; or certification by the Connecticut Department of Transportation (DOT).

ROUTINE INSPECTIONS

The routine inspections must be conducted at least once per week and within 24-hrs of a rainfall event that generates a discharge. An inspection is only required for storms equal to or greater than 0.5 inches. After the site has stabilized, an inspection should be performed at least once per month for three months. Solar City must provide a rain gage on-site. Generally, the following items will be inspected;

- Disturbed areas not finally stabilized;
- All erosion and sedimentation controls;
- All structural controls;
- All stockpile areas;
- All washout areas and construction vehicle access locations including local roadways.

All areas will be inspected for pollutants that could impact receiving waters.

The inspector shall evaluate the effectiveness of the erosion and sedimentation control measures implemented and determine whether it is necessary to install, maintain,



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repair, or replace such controls. A written report shall be prepared and retained by Solar City which summarizes the inspection. The report shall be signed by the permittee or his/her authorized representative per Section 5(i) of the GP. The report shall focus on the major observations relating to erosion and sediment controls and the implementation of the SWPCP.

All non-engineered corrective actions shall be implemented within 24-hrs and included in a revised SWPCP within 3 days following the inspection. All engineered corrective actions shall be implemented within 24-hrs and included in a revised SWPCP within 7 days following the inspection and included in a revised SWPCP within 10 days.

MONITORING

Sampling for turbidity shall be conducted once per month when there is a discharge of stormwater runoff from the site during construction and until final stabilization of the drainage area has been reached. Sampling will be taken at each outfall location identified on the accompanying drawings.

MAINTENANCE PROCEDURES

Maintenance of the erosion and sediment controls will be required throughout construction to mitigate potential soil erosion and sedimentation. Maintenance will be performed on an as needed basis and will include repairing or replacing the control to its normal condition. Additional mitigation shall be added where necessary to minimize potential for erosion and sedimentation.

At a minimum, the following areas will require regular maintenance:

- Silt fencing and/or hay bales surrounding the perimeter of the construction area;
- All seeded or landscaped areas, mulch, bare soils, sloped areas;
- Construction vehicle access locations for tracking of materials.

REPORTING & RECORD KEEPING

Upon the completion of an inspection, a brief report shall be prepared which details the scope of the inspection, the name and qualifications of the inspector, date of inspection, weather conditions, observations affecting the SWPCP, and corrective actions required to ensure proper operation of the erosion controls. The report must be signed by qualified personnel.

A sample Stormwater Construction Site Inspection Form is located in the Appendix. All inspection forms and reports shall be retained by Solar City for at least five years after the completion of construction.

Additionally, Stormwater Monitoring Report (SMR) forms must be submitted to DEEP within 30 days following the end of each month. The SMR's must be submitted electronically in accordance with the NetDMR provisions. The SMR reporting requirements shall be in accordance with Section 5(c)(2) of the GP. The SMR's shall also be filed in accordance with the subscriber agreement delineated in Section 5(c)(2)(F)(i) of the GP.



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Submittal of NetDMR Subscriber Agreement

The Permittee and/or the person authorized to sign the Permittee's discharge monitoring reports shall contact the DEEP at deep.netdmr@ct.gov and initiate the NetDMR subscription process for electronic submittal of the SMR information. On or before 90 days after issuance of this permit, the Permittee shall submit a signed and notarized copy of the *Connecticut DEEP NetDMR Subscriber Agreement*.



CERTIFICATIONS

CONTRACTOR’S CERTIFICATION FORM

The Contractor and all Sub-Contractors performing work on the Project must sign the Contractor’s Certification Form (attached) signifying that they have read, understand, and will adhere to all of the conditions of the SWPCP before commencing any work activity resulting in land disturbance on the Project.

DUTY TO COMPLY WITH GENERAL PERMIT

Connecticut DEEP oversees all conditions of the GP and any issues regarding non-compliance with the GP conditions. As such, the Permittee has an obligation to comply with the GP conditions and *Section 22a-430b of the Connecticut General Statutes*. Failure to comply with said conditions is considered a violation of the Statute and grounds for enforcement action including fines, imprisonment, denial of permit renewal applications, revocation and reissuance, modification, or termination of coverage under this GP.

The following certifications will be required for this plan. Executed copies can be found in the Appendix.

REGISTRANT CERTIFICATION

Solar City and any other individual or individuals responsible for preparing the registration certifies to the following statement:

I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the commissioner by Solar City, Inc. for an activity located at 150 Pelican Drive in Groton, Connecticut and that all terms and conditions of the general permit are being met for all discharges which have been 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 registration 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 3(b)(8)(A) 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 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made 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 Connecticut General Statutes and any other applicable law.



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PROFESSIONAL ENGINEER CERTIFICATION

The professional engineer responsible for preparing, planning, and designing the Stormwater Pollution Control Plan certifies to the following statement:

I hereby certify that I am a professional engineer licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by Solar City, Inc. for an activity located at 150 Pelican Drive in Groton, 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 Plan 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 made 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 Connecticut General Statutes and any other applicable law.

CONTRACTOR CERTIFICATION

The Plan shall include the following certification signed by each contractor and sub-contractor identified in the Plan as described above:

I understand under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or sub-contractor performing work at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including but not limited to, the requirements of the SWPCP prepared for the site.

The certification shall include the name and title of the person providing the signature; the name, address, and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

CERTIFICATION OF DOCUMENTS

Unless otherwise specified in this general permit, any document, including but not limited to any notice, information or report, which is submitted to the commissioner under this general permit shall be signed by the permittee, or duly authorized representative of the permittee, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

I have personally examined am familiar with the information submitted in this document and all attachments thereto, and certify that based on reasonable investigation,



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including my inquiry of those individuals responsible for obtaining such 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 this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes and in accordance with any other applicable statute.

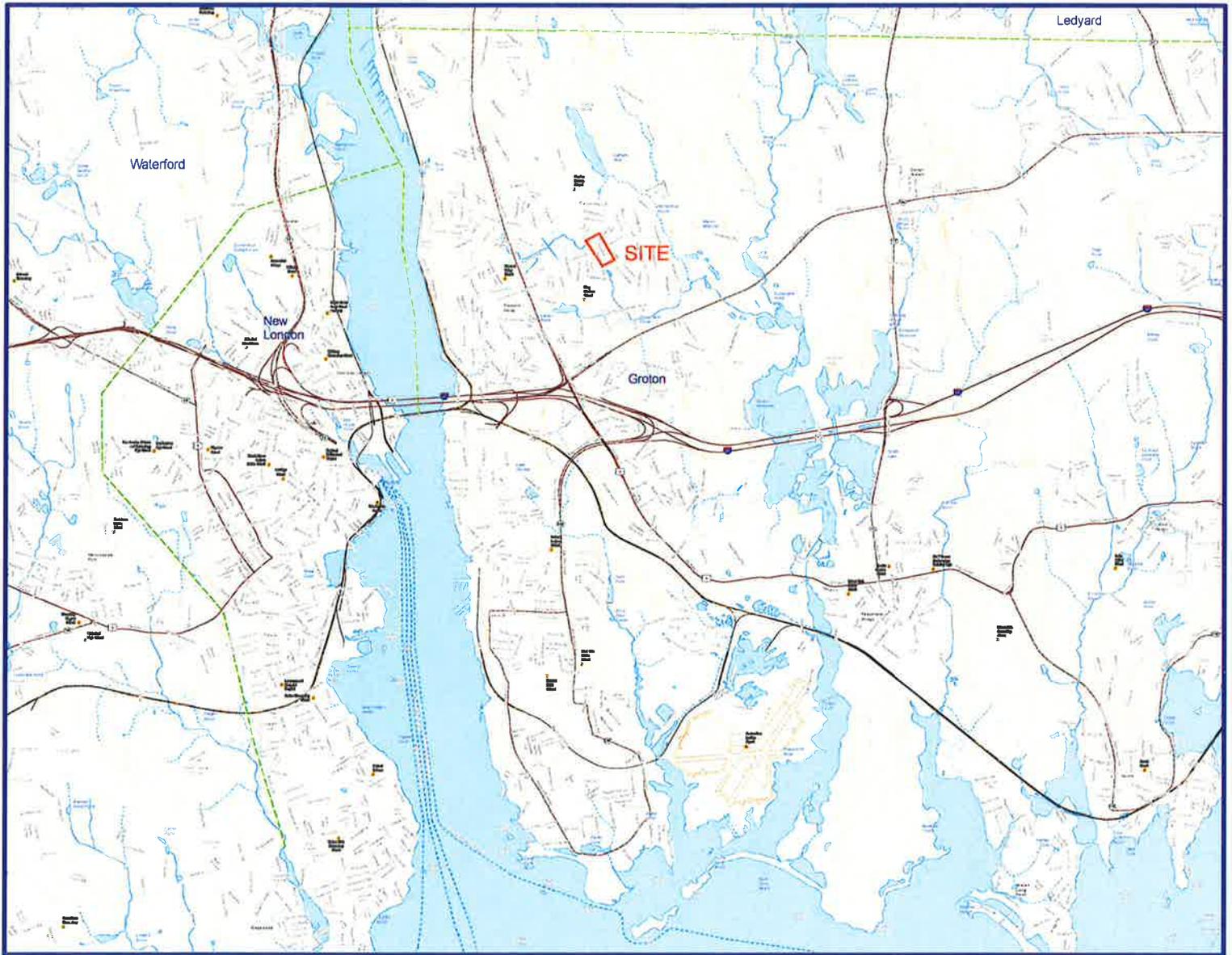


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TERMINATION REQUIREMENTS

At the completion of the construction project, a Notice of Termination (NOT) must be filed with the DEEP. A copy of the NOT is included in the Appendix. The project shall be considered complete after all post-construction measures are installed, cleaned and functioning and the site has been stabilized for at least three months following the completion of construction activities. The site is considered stabilized when there is no active erosion or sedimentation present and no disturbed areas remain exposed for all phases. A post-construction inspection will be completed by a qualified professional to inspect the site to confirm compliance with the post-construction stormwater measures. Once the site has been stabilized for at least three months, a qualified inspector shall inspect the site to confirm final stabilization.

FIGURES



CONTOUR MAP
Groton, CT
(West)

Contour lines are used to denote elevation above sea level. This map displays 20 foot contour lines based on information from a statewide dataset of ground elevation LIDAR data for the year 2020. This information is only suitable for general planning and informational purposes. It is not intended for exact determinations of elevation where a survey is normally required or for detailed engineering, building, or design purposes. The Connecticut LIDAR dataset for 2020 captured ground elevation every 20 feet at a horizontal accuracy of approximately 3 feet on the ground.

EXPLANATION

For unknown reasons, data was collected unevenly in some areas. This results in data gaps that affect the overall accuracy and appearance of derived data products such as these contour lines. With this information, a general sense of the topographic land can be ascertained. Contour lines are characterized by widely spaced contour lines, while steep slopes are represented by closely spaced contour lines. Contour lines that cross streams flowing through valleys of erodible relief will form a V-shaped depression with the apex of the V pointing upstream.

DATA SOURCES

BASE MAP DATA - All data is based on 1:24,000 scale topographic maps, photos and line symbols, such as boundaries, contours, airports, and hydrography. Base map data is neither current nor complete.

STREET DATA - Based on Teckton copyrighted data.

LIGHTNING DATA - Derived from a statewide 10-foot Digital Elevation Model (DEM) surface based

on the Connecticut 2010 LIDAR ground elevation data. The University of Connecticut Center for Land Use Science and Research (CLUS) created the DEM and derived it to 10 foot data gaps with information from contour lines on 1:24,000 scale topographic maps.

MAPS AND DIGITAL DATA - Visit the CT EGO website for the map and a complete list of data sources. Visit the CT DEP website to download the base map digital elevation data shown on this map.



Map prepared by F. W. May, Inc., 10/10/2023. All rights reserved. © 2023 F. W. May, Inc.



Natural Diversity Data Base Areas

GROTON, CT

September 2015

 State and Federal Listed Species & Significant Natural Communities

 Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

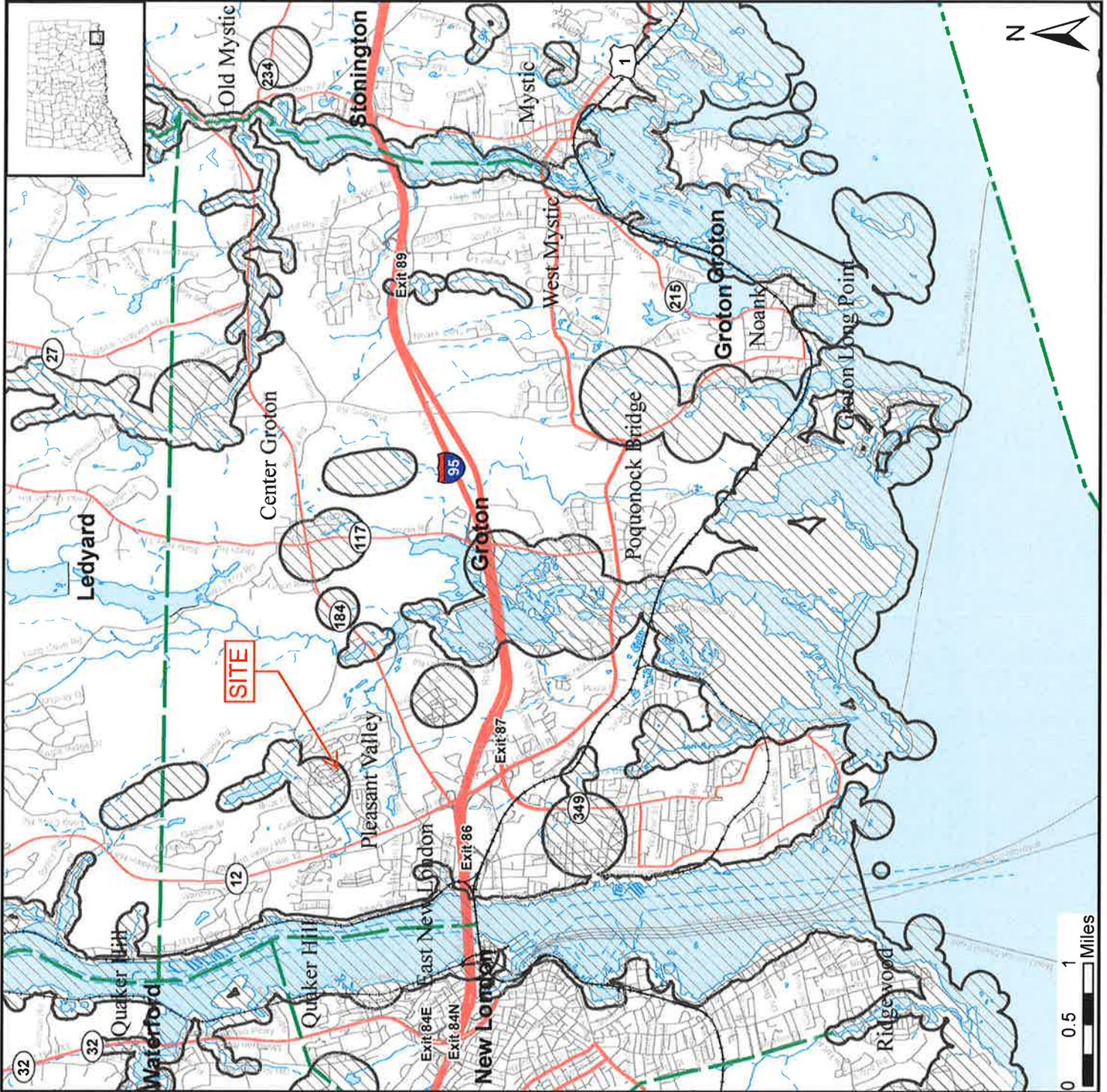
www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at www.cteco.uconn.edu to more precisely search for and locate a site and to view aerial imagery with NDDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St., Hartford CT 06106
Phone (860) 424-3011



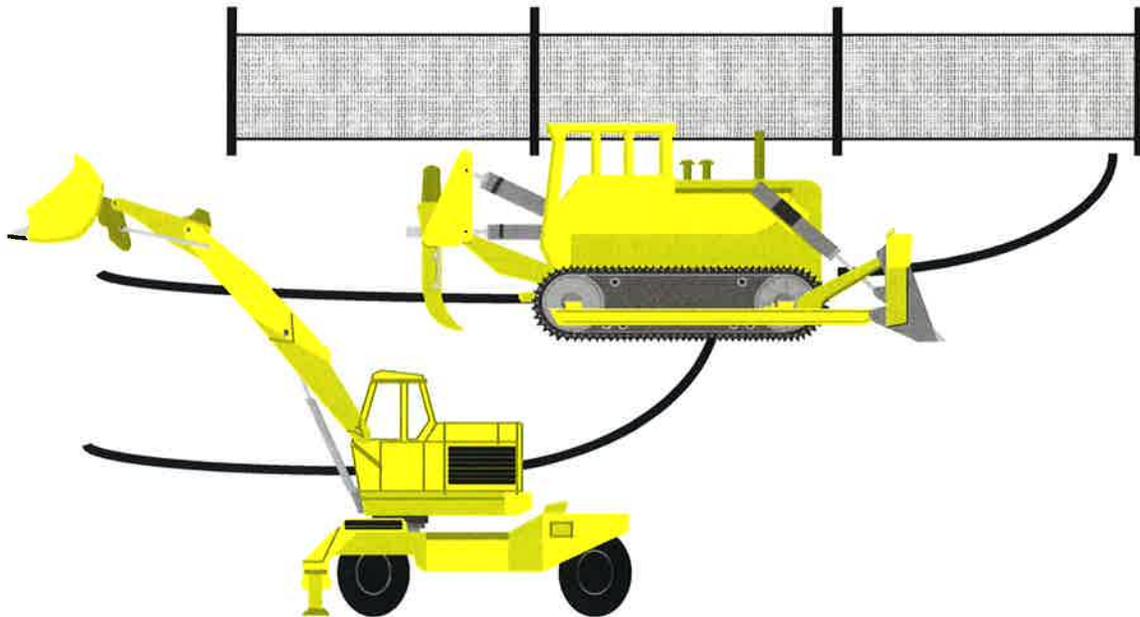
Connecticut Department of
Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division



APPENDIX A



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities



Issuance Date: August 21, 2013
Effective Date: October 1, 2013

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“*Disturbance*” means the execution of any of the construction activity(ies) defined in this general permit.

“*Effective Impervious Cover*” is the total area of a site with a Rational Method runoff coefficient of 0.7 or greater (or other equivalent methodology) from which stormwater discharges directly to a surface water or to a storm sewer system.

“*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.

“*Fresh-tidal wetland*” means a tidal wetland with an average salinity level of less than 0.5 parts per thousand.

“*Grab sample*” means an individual sample collected in less than fifteen minutes.

“*Groundwater*” means those waters of the state that naturally exist or flow below the surface of the ground.

“*Guidelines*” means the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, established pursuant to section 22a-328 of the Connecticut General Statutes.

“*High Quality Waters*” means those waters defined as high quality waters in the Connecticut Water Quality Standards published by the Department, as may be amended.

“*Impaired water(s)*” means those surface waters of the state designated by the commissioner as impaired pursuant to Section 303(d) of the Clean Water Act and as identified in the most recent State of Connecticut Integrated Water Quality Report.

“*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;

“*Permittee*” means any person who or municipality which initiates, creates or maintains a discharge in accordance with Section 3 of this general permit.

“*Person*” means person as defined in section 22a-423 of the Connecticut General Statutes.

“*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.

“*Professional Engineer*” or “*P.E.*” means a person with a currently effective license issued in accordance with chapter 391 of the Connecticut General Statutes.

“*Qualified Inspector*” means an individual possessing either (1) a professional license or certification by a professional organization recognized by the commissioner related to agronomy, civil engineering, landscape architecture, soil science, and two years of demonstrable and focused experience in erosion and sediment control plan reading, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines; or (2) five years of demonstrable and focused experience in erosion and sediment control plan reading, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines; or (3) certification by the Connecticut Department of Transportation (DOT).

“*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.

“*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 experience 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.

“*Registrant*” means a person or municipality that files a registration.

“*Registration*” means a registration form filed with the commissioner pursuant to Section 4 of this general permit.

“*Regulated Municipal Separate Storm Sewer System*” or “*Regulated MS4*” means the separate storm sewer system of the City of Stamford or any municipally-owned or -operated separate storm sewer system (as defined above) authorized by the most recently issued General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4 general permit) including all those located partially

“*Total Maximum Daily Load*” or “*TMDL*” means the maximum capacity of a surface water to assimilate a pollutant as established by the commissioner, including pollutants contributed by point and non-point sources and a margin of safety.

“*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 Connecticut General Statutes.

“*Water Quality Standards or Classifications*” means those water quality standards or classifications contained in the Connecticut Water Quality Standards published by the Department, as may be amended.

“*Water Quality Volume*” or “*WQV*” means the volume of runoff generated by one inch of rainfall on a site as defined in the 2004 Connecticut Stormwater Quality Manual, as amended.

Section 3. Authorization Under This General Permit

(a) Eligible Activities

This general permit authorizes the discharge of stormwater and dewatering wastewaters to surface waters from construction activities on a site, as defined in this general permit, with a total disturbance of one or more acres of land area on a site, *regardless of project phasing*.

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.

(b) Requirements for Authorization

This general permit authorizes the construction activity listed in the “Eligible Activities” section (Section 3(a)) of this general permit provided:

(1) Coastal Management Act

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

(2) Endangered and Threatened Species

Such activity must not threaten the continued existence of any species listed pursuant to section 26-306 of the Connecticut General Statutes 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.

(B) The registrant and any other individual or individuals responsible for preparing the registration and signing the certification pursuant to this general permit has, based on the review described in section 3(b)(8)(A) of this general permit, made an affirmative determination to:

- (i) comply with the terms and conditions of this general permit;
- (ii) maintain compliance with all plans and documents prepared pursuant to this general permit including, but not limited to, the Stormwater Pollution Control Plan;
- (iii) properly implement and maintain the elements of the Stormwater Pollution Control Plan; and
- (iv) 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;

(C) Such registrant and any other individual or individuals responsible for preparing the registration certifies to the following statement: "I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY] and that all terms and conditions of the general permit are being met for all discharges which have been 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 registration 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 3(b)(8)(A) 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 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made 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 Connecticut General Statutes and any other applicable law."

(9) The registrant has 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 and stormwater management systems:

(A) 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 registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I certify that I have thoroughly and completely reviewed the Stormwater

- (B) for projects disturbing fifteen (15) acres or more, such qualified soil erosion and sediment control professional or qualified professional engineer:
 - (i) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant;
 - (ii) 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 registrant;
 - (iii) 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 registrant; and
 - (iv) has no ownership interest of any kind in the project for which the registration is being submitted.

- (C) The qualified professional engineer or qualified soil erosion and sediment control 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:
 - (i) all registration information provided in accordance with Section 4(c)(2) of such general permit;
 - (ii) the site, based on a site inspection;
 - (iii) the Stormwater Pollution Control Plan;
 - (iv) the Guidelines;
 - (v) the Stormwater Quality Manual, if applicable; and
 - (vi) all non-engineered and engineered stormwater management systems, including any plans and specifications and any Department approvals regarding such stormwater management systems.

- (D) Affirmative Determination
 - (i) The qualified soil erosion and sediment control professional signing the certification must have made an affirmative determination, based on the review described in section 3(b)(11)(C) of this general permit that:
 - (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration 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; and
 - (b) all non-engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically

punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

- (F) Nothing in this subsection shall be construed to authorize a qualified soil erosion and sediment control professional or a qualified professional engineer to engage in any profession or occupation requiring a license under any other provision of the general statutes without such license.

(12) New Discharges to Impaired Waters

New stormwater discharges directly to an impaired water, as indicated in the State's Integrated Water Quality Report, must be in accordance with the following conditions:

- (A) Stormwater discharges that go directly to impaired waters seeking authorization under this general permit shall comply with the requirements of this subsection (B) below if the indicated cause or potential cause of the impairment is one of the following:
- Site Clearance (Land Development or Redevelopment)
 - Post-Development Erosion and Sedimentation
 - Source Unknown (if cause of impairment is Sedimentation/Siltation)
- (B) Such stormwater discharge is authorized if the permittee complies with the requirements of Section 5(b)(3) of this permit and receives a written affirmative determination from the commissioner that the discharge meets the requirements of that section. In such case, the permittee must keep a copy of the written determination onsite with the Plan. If the permittee does not receive such affirmative determination, the construction activity is not authorized by this general permit and must obtain an individual permit.

(c) Registration

Pursuant to the "Registration Requirements" section (Section 4) of this general permit, a completed registration with respect to the construction activity shall be filed with the commissioner as follows:

(1) Locally Approvable Projects

The registration must:

- (A) Be electronically submitted, along with all required elements in subsections (B), (C) and (D), below, at least sixty (60) days prior to the planned commencement of the construction activity.
- (B) Include the Registration Form (available at www.ct.gov/deep/stormwater).
- (C) Include any additional forms and information regarding compliance and/or consistency with the Coastal Management Act, Impaired Waters (including TMDL requirements), Endangered and Threatened Species, and Aquifer Protection Areas that may be required pursuant to the "Requirements of Authorization" section (Section 3(b)).
- (D) Include a Plan Review Certification in accordance with the "Plan Review Certification" (Section 5(b)(8)).

Locally Approvable projects may also choose to make their Plan electronically available in accordance with Section 4(c)(2)(N) of this general permit. The 60 day period cited in subsection

(d) *Small Construction*

For construction projects with a total disturbance of between one and five acres, the permittee 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.

No registration or Plan review and certification shall be required for such construction activity 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 Connecticut General Statutes. In the absence of such municipal commission approval, the permittee shall register with the DEEP under the requirements for a Locally Exempt Project and comply with all applicable conditions of this general permit.

(e) *Geographic Area*

This general permit applies throughout the State of Connecticut.

(f) *Effective Date and Expiration Date of this General Permit*

The registration provisions of Section 3(c) and 4 of this General Permit, including any applicable definitions or provisions referred to in those sections insofar as they facilitate submission of a registration, shall be effective September 1, 2013. All remaining provisions of this General Permit shall be effective on October 1, 2013. The provisions of this General Permit shall expire on September 30, 2018.

(g) *Effective Date of Authorization*

A construction activity is authorized by this general permit at such time as specified in subsections (1) and (2), below.

(1) Authorization Timelines

The activity is authorized based on the following timelines unless superseded by subsection (2), below:

- (A) for locally approvable projects, sixty (60) days after the submission of the registration form required by Section 4(c), or
- (B) for locally exempt projects under 20 acres, sixty (60) days after the submission of the registration form required by Section 4(c), or
- (C) for locally exempt projects over 20 acres, ninety (90) days after the submission of the registration form required by Section 4(c).

(2) Alternate Authorization Timelines

If one of the following conditions for authorization applies, that condition shall supersede those of subsection (1), above:

- (A) for sites for which the registration and Plan availability and review provisions of Section 4(e) are completed prior to the authorization periods in subsection (1), above, the commissioner may authorize the activity upon such completion, or

(ii) Locally Exempt Projects

A registration fee shall be submitted with a registration form as follows:

- (a) For sites with total disturbance of between one (1) and 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.

The fees for municipalities shall be half of those indicated in subsections (a), (b) and (c) above pursuant to section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection.

(iii) Re-registration

- (a) For sites that registered under the previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities prior to September 1, 2012 and for which no Notice of Termination has been submitted pursuant to the "Termination Requirements" section (Section 6), the re-registration fee shall be \$625 payable with submission of the re-registration form within one hundred twenty (120) days from the effective date of this general permit. If a Notice of Termination is submitted prior to that time, no registration or fee are required.
- (b) For sites that registered under the previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities on or after September 1, 2012 and for which no Notice of Termination has been submitted pursuant to the "Termination Requirements" section (Section 6), the re-registration fee is waived.

(B) The registration fee shall be paid electronically or by check or money order payable to the Department of Energy & Environmental Protection.

(C) The registration fee is non-refundable.

(2) Registration Form

A registration shall be filed electronically on forms prescribed and provided by the commissioner (available at: www.ct.gov/deep/stormwater) and shall include, but not be limited to, the following:

- (A) Legal name, address, and telephone number of the registrant. If the registrant is a person (as defined in Section 2 of 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.
- (B) Legal name, address and telephone number of the owner of the property on which the construction activity will take place.

- (K) A brief description of the stormwater discharge, including:
- (i) The name of the municipal separate storm sewer system or immediate surface water body or wetland to which the stormwater runoff will discharge;
 - (ii) Verification of whether or not the site discharges to a tidal wetland (that is not a fresh-tidal wetland) within 500 feet of the discharge point, to a high quality water or to an impaired water with or without a TMDL;
 - (iii) The name of the watershed or nearest waterbody to which the site discharges.
 - (iv) Location of the stormwater discharge(s) including latitude and longitude.
- (L) The total effective impervious cover for the site before and after the proposed construction activity.
- (M) 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 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.
- (N) Registrants for locally approvable projects may, if they choose, attach an electronic copy of their Plan to their registration or provide a web address where their Plan may be downloaded. If an electronic plan is not provided, the registrant is still subject to the requirements for submission of a Plan to the commissioner or a member of the public pursuant to the "Plan Availability" section (Section 4(e)(2)). An electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in the Plan any pages or other material that do not pertain to stormwater management or erosion and sedimentation control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (O) Registrants for all locally exempt projects must submit an electronic copy of their Plan or a web address where the electronic Plan can be downloaded. The electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in this Plan any pages or other material that do not pertain to stormwater management or erosion and sedimentation control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (P) The certification of the registrant and of the individual or individuals responsible for actually preparing the registration, in accordance with Section 3(b)(8).
- (Q) For all registrations, a design certification must be signed by a professional engineer in accordance with Section 3(b)(9).:
- (R) For registrations for locally approvable projects a review certification must be signed by either: (i) a District in accordance with Section 3(b)(10), or (ii) a qualified soil erosion and sediment control professional and/or qualified professional engineer in accordance with either Section 3(b)(11).

If the registrant is not capable of submitting electronically, a paper form may be submitted in accordance with Section 4(d).

3(b)(8)(A) 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 also understand that knowingly making any false statement made 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 Connecticut General Statutes and any other applicable law.”

If the registrant is not capable of submitting electronically, a paper form may be submitted in accordance with Section 4(d).

(d) *Where to File a Registration*

A registration (available at: www.ct.gov/deep/stormwater) shall be filed electronically with the commissioner in accordance with Section 3(c)(2) or (3). If the registrant does not have the capability to submit electronically, a paper registration may be filed at the following address:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

(e) *Availability of Registration and Plan*

By the fifteenth (15th) day of each month, the commissioner shall post on the DEEP website a list of registrations submitted in the previous month.

(1) Registration Availability

On or before fifteen (15) days from the date of posting by the commissioner, members of the public may review and comment on a registration. Any electronically available Plans will be posted with the corresponding registration.

(2) Plan Availability

(A) Electronic Plan Availability

For an electronically available Plan, on or before fifteen (15) days from the date of posting by the commissioner, members of the public may review and comment on a registrant's Plan.

(B) Non-Electronic Plan Availability

For any Plan that is not electronically available, on or before fifteen (15) days from the date of a registration posting by the commissioner, members of the public may submit a written request to the commissioner to obtain a copy of a registrant's Plan. The commissioner shall inform the registrant of the request and the name of the requesting party. If the commissioner does not already have access to a copy of the requested Plan, the registrant shall submit a copy of their Plan to the commissioner within seven (7) days of their receipt of such request. On or before fifteen (15) days from the date the commissioner makes a Plan available to the requesting party, they may submit written comments on the Plan to the commissioner.

(Note: Any person who, on or after August 1, 2013, up until and including August 31, 2013, files a new registration for a site under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities that expires on September 30, 2013 shall, after October 1, 2013, re-register such site pursuant to Section 3(c)(3) and Section 4(c)(3) of this general permit.)

A person re-registering a site pursuant to Section 3(c)(3) and Section 4(c)(3) of this general permit may submit the required re-registration information anytime on or after August 1, 2013.

(j) Latest Date to Submit a Registration Under this General Permit

No person shall submit a registration under this general permit after June 30, 2018.

Section 5. Conditions of this General Permit

The permittee shall meet all requirements of this general permit at all times. In addition, a permittee shall be responsible for conducting authorized construction activities in accordance with the following conditions:

(a) Conditions Applicable to Certain Discharges

(1) Structures and Dredging in Coastal and Tidal Areas

Any person who or municipality that discharges stormwater into coastal tidal waters for which a permit is required under section 22a-361 of the Connecticut General Statutes (structures and dredging) or section 22a-32 of the Connecticut General Statutes (Tidal Wetlands Act), shall obtain such permit(s) from the commissioner. A tidal wetland permit is required for the placement of any sediment upon a tidal wetland, whether it is deposited directly or indirectly.

(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 volume of stormwater runoff generated by 1 inch of rainfall 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, which explains the site limitations and offers an alternative retention volume. In such cases, the portion of 1 inch that cannot be retained must be provided with additional stormwater treatment so as 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.

(3) Toxicity to Aquatic and Marine Life

The discharge shall not cause pollution due to acute or chronic toxicity to aquatic and marine life, impair the biological integrity of aquatic or marine ecosystems, or result in an unacceptable risk to human health.

(e) Extent of wetland acreage on the site.

(iii) Construction Sequencing

The Plan shall clearly identify the expected sequence of major construction activities on the site and corresponding erosion and sediment controls and shall include an estimated timetable for all construction activities, which shall be revised as necessary to keep the Plan current. Wherever possible, the site shall be phased to avoid the disturbance of over five acres at one time (or a lesser area of disturbance as required in the “Impaired Waters” section (Section 5(b)(3)). The Plan shall clearly show the limits of disturbance for the entire construction activity and for each phase.

(iv) Control Measures

The Plan shall include a description, in narrative and on the site plan drawings, of appropriate control measures that will be performed at the site to minimize the discharge of pollutants to waters of the state. Control measures shall be implemented in accordance with Section 5(b)(2) below. In addition, the following information shall be provided:

- (a) Calculations supporting the design of sediment and floatables removal controls pursuant to Section 5(b)(2)(C)(ii)(b).
- (b) Calculations supporting the design of velocity dissipation controls pursuant to Section 5(b)(2)(C)(ii)(c).

(v) 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:

- (a) The location of the site’s streams, floodplains, all wetlands, riparian buffers, slopes 3:1 and steeper, and vegetation identified for preservation and non-disturbance during construction such as forested areas, hay fields, and old fields;
- (b) Natural drainage patterns, swales, and other drainage ways, that are not streams, floodplains, or wetland areas;
- (c) The location of all areas with soils suitable for infiltration¹ and areas of the site best suited for infiltration for the siting of runoff reduction practices and LID design measures;
- (d) The location of all areas unsuitable or least suitable for infiltration for the siting of areas of development/building;
- (e) The location of all post-construction stormwater management measures, runoff reduction practices and LID design measures developed pursuant to subsection 5(b)(2)(C)(i) below;
- (f) Identification of areas inappropriate for the infiltration of stormwater runoff from land uses with a significant potential for groundwater pollution;

¹ Infiltration rates must be measured by a field permeability test. The measured field design infiltration rate is equal to one-half the field-measured infiltration rate.

subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for the site.”

The certification shall include the name and title of the person providing the signature; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

(c) Subdivisions

Where individual lots in a subdivision or other common plan of development are conveyed or otherwise the responsibility of another person or municipality, those individual lot contractors shall be required to comply with the provisions of this general permit and the Stormwater Pollution Control Plan, and shall sign the certification statement in the “Contractor Certification Statement” section, above, regardless of lot size or disturbed area. In such cases, the permittee shall provide a copy of the Plan to each individual lot contractor, obtain signed certifications from such contractors and retain all signed certifications in the Plan.

(ix) Impaired Waters

For construction activities that discharge to impaired waters, as specified in “New Discharges to Impaired Waters” (Section 3(b)(12)), the Plan shall include a description of the provisions for controlling the construction and post-construction stormwater discharges to these waters pursuant to subsection 5(b)(3) below.

(2) Stormwater Control Measures

Control Measures are required Best Management Practices (BMPs) that the permittee must implement to minimize the discharge of pollutants from the permitted activity. The term “minimize” means reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice.

Control Measures shall be designed in accordance with the Guidelines, the Stormwater Quality Manual or the DOT Qualified Products List (http://www.ct.gov/dot/lib/dot/documents/dresearch/conndot_qpl.pdf). Use of controls to comply with the “Erosion and Sediment Controls” section (subsection (A) below) of this general permit that are not included in those resources must be approved by the commissioner or the commissioner’s designated agent. The narrative and drawings of controls shall address the following minimum components:

(A) Erosion and Sediment Controls

(i) Soil Stabilization and Protection

The Plan shall include a narrative 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 maximum extent practicable and that disturbed portions of the site are minimized and stabilized.

operational and structural measures that will be used to ensure that all dewatering wastewaters 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. Unless otherwise specifically approved in writing by the commissioner or his/ her designated agent, or if otherwise authorized by another state or federal permit, dewatering measures shall be installed on upland soils.

No discharge of dewatering wastewater(s) shall contain or cause a visible oil sheen, floating solids, or foaming in the receiving water.

(C) Post-Construction Stormwater Management

The Plan shall include a narrative 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. Post-construction stormwater management measures shall be designed and implemented in accordance with the Stormwater Quality Manual, the DOT Qualified Products List or as approved by the commissioner or his/ her designated agent in writing. 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 Plan shall include provisions to address the long-term maintenance of any post-construction stormwater management measure installed.

(i) Post-Construction Performance Standards

The permittee shall utilize runoff reduction practices (as defined in Section 2) to meet runoff volume requirements based on the conditions below. For sites unable to comply with these conditions, the commissioner, at the commissioner's sole discretion, may require the submission of an individual permit in lieu of authorization under this general permit.

(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 2) for the site and provide additional stormwater treatment without retention for discharges up to the full water quality volume for sediment, floatables and nutrients to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice. In cases where the permittee is not able to retain half the water quality volume, the permittee shall design the redevelopment to retain runoff volume to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice. 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 the half the water quality volume is not achieved, the permittee shall submit a report to the commissioner describing: the measures taken to maximize runoff reduction practices on the site; the reasons why those practices constitute the maximum extent achievable; 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. In the case of linear redevelopment projects (e.g. roadway reconstruction or widening) for the developed portion of

(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 the receiving watercourse so that the natural physical and biological characteristics and functions are maintained and protected.

(D) Other Controls

The following additional controls shall be implemented:

(i) 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. A narrative of these practices shall be provided in the Plan.

(ii) 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 wastewaters from this area. Such washout shall be conducted: (1) outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource; or (2) in an entirely self-contained washout system. 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 washwater into a container or pit designed such that no overflows can occur during rainfall or after snowmelt.

In addition, dumping of liquid wastes in storm sewers is prohibited. The permittee shall remove and dispose of hardened concrete waste consistent with practices developed for the "Waste Disposal" section (subparagraph 5(b)(2)(D)(i), above). At least once per week, the permittee must 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 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. A narrative of maintenance procedures and a record of maintenance and inspections shall be included in the Plan.

- (iii) Off-site vehicle tracking of sediments and the generation of dust shall be minimized. Wet dust suppression shall be used, in accordance with section 22a-174-18(b) of the Connecticut General Statutes, for any construction activity that causes airborne particulates. The volume of water sprayed for controlling dust shall be minimized so as 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 in the receiving stream.
- (iv) All post-construction stormwater structures shall be cleaned of construction sediment and any remaining silt fence shall be removed upon stabilization of the site.
- (v) All chemical and petroleum product containers stored on the site (excluding those contained within vehicles and equipment) shall be provided with impermeable containment which will hold at least 110% of the volume of the largest container, or

- (i) for projects disturbing more than one acre and less than fifteen (15) acres, the inspector shall be someone who:
 - (a) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant, and
 - (b) has no ownership interest of any kind in the project for which the registration is being submitted.
- (ii) for projects disturbing fifteen (15) acres or more, the inspector shall be someone who:
 - (a) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant, and
 - (b) has not engaged in any activities associated with the preparation, planning, designing or engineering of such plan for soil erosion and sediment control or plan for engineered stormwater management systems on behalf of such registrant, and
 - (c) 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 engineered stormwater management systems on behalf of such registrant, and
 - (d) has no ownership interest of any kind in the project for which the registration is being submitted.

The permittee may use, if they wish, the same person(s) that provided the Plan Review Certification pursuant to Section 5(b)(11).

(B) Routine Inspections

The permittee shall routinely inspect the site for compliance with the general permit and the Plan for the site until a Notice of Termination has been submitted. Inspection procedures for these routine inspections shall be addressed and implemented in the following manner:

- (i) 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), as defined in the “Definitions” section (Section 2) of this general permit, shall inspect, at a minimum, the following: disturbed areas of the construction activity that have not been finally stabilized; all erosion and sedimentation control measures; all structural control measures; soil stockpile areas; washout areas and locations where vehicles enter or exit the site. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and impacts to the receiving waters. Locations where vehicles enter or exit the site shall also be inspected for evidence of off-site sediment tracking. For storms that end on a weekend, holiday or other time after which normal working hours will not commence within 24 hours, an 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. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three months.
- (ii) The qualified inspector(s) shall evaluate the effectiveness of erosion and sediment controls, structural controls, stabilization practices, and any other controls implemented

made and implemented and such other information as the commissioner requires, in accordance with the ‘Duty to Provide Information’ and ‘Certification of Documents’ sections (subsections 5(h) and 5(i)) of this general permit.

- (C) For any stormwater discharges authorized under any previous version of this general permit, the existing Plan shall be updated by February 1, 2014, as applicable, in accordance with the ‘Development and Contents of the Plan’ (subsection 5(b)(1)), ‘Stormwater Control Measures’ (subsection 5(b)(2)), ‘Routine Inspections’ (subsection 5(b)(4)(B)), and ‘Monitoring’ (subsection 5(c)) sections of this general permit, except for the post-construction measures in subsection 5(b)(2)(C)(i)(a) & (b) and 5(b)(2)(C)(ii)(a). The permittee shall maintain compliance with such Plan thereafter. For previously authorized sites discharging to impaired waters or other sensitive areas, the commissioner may require additional control measures or provide authorization under an individual permit pursuant to Sections 4(h) and 3(i).

(6) Failure to Prepare, Maintain or Amend Plan

In no event shall failure to complete, maintain or update a Plan, in accordance with the ‘Development of Contents of the Plan’ and ‘Keeping Plans Current’ sections (subsections 5(b)(1) and 5(b)(5)) of this general permit, relieve a permittee of responsibility to implement any actions required to protect the waters of the state and to comply with all conditions of the permit.

(7) Plan Signature

The Plan shall be signed and certified as follows:

- (A) The Plan shall be signed by the permittee in accordance with the ‘Certification of Documents’ section (subsection 5(i)) of this general permit.
- (B) The Plan shall include certification by all contractors and subcontractors in accordance with the ‘Contractors’ section (subsection 5(b)(1)(B)(viii)) of this general permit.
- (C) The Plan shall include a copy of the certification by a professional engineer or landscape architect made in accordance with Section 3(b)(9) of this general permit.

(8) Plan Review Certification

For a locally approvable project pursuant to Section 3(c) of this general permit, a copy of the Plan review certification made in accordance with either Section 3(b)(10) or (11) shall be maintained with the Plan. Note that 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.

(9) Plan Submittal

The Plan shall be submitted to the commissioner and other certain parties under the following conditions:

- (A) All Locally Exempt Projects with greater than one acre of soil disturbance shall submit an electronic copy of the Plan and a completed Registration Form to the commissioner.
- (B) For all other projects, the permittee shall provide a copy of the Plan, and a completed Registration Form for this general permit to the following persons immediately upon request:

hazardous condition. Once the unsafe condition is no longer present, sampling shall resume.

- (iv) If there is no stormwater discharge during a month, sampling is not required.

(B) Sample Collection

- (i) All samples shall be collected from discharges resulting from a storm event that occurs at least 24 hours after any previous storm event generating a stormwater discharge. Any sample containing snow or ice melt must be identified on the Stormwater Monitoring Report form. Sampling of snow or ice melt in the absence of a storm event is not a valid sample.
- (ii) Samples shall be grab samples taken *at least* three separate times during a storm event and shall be *representative* of the flow and characteristics of the discharge(s). Samples may be taken manually or by an in-situ turbidity probe or other automatic sampling device equipped to take individual turbidity readings (i.e. not composite). The first sample shall be taken within the first hour of stormwater discharge from the site. In cases where samples are collected manually and the discharge begins outside of normal working hours, the first sample shall be taken at the start of normal working hours.

(C) Sampling Locations

- (i) Sampling is required of all point source discharges of stormwater from disturbed areas except as may be modified for linear projects under subparagraph (ii) below. Where there are two or more discharge points that discharge substantially identical runoff, based on similarities of the exposed soils, slope, and type of stormwater controls used, a sample may be taken from just one of the discharge points. In such case, the permittee shall report that the results also apply to the substantially identical discharge point(s). No more than 5 substantially identical outfalls may be identified for one representative discharge. If such project is planned to continue for more than one year, the permittee shall rotate twice per year the location where samples are taken so that a different discharge point is sampled every six months. The Plan must identify each outfall authorized by this permit and describe the rationale for any substantially identical outfall determinations.
- (ii) Linear Projects

For a linear project, as defined in Section 2, the protocols of subparagraph (i), above, shall apply except that up to 10 substantially identical outfalls may be identified for one representative discharge.
- (iii) All sampling point(s) shall be identified in the Plan and be clearly marked in the field with a flag, stake, or other visible marker.

(D) Sampling and analysis shall be prescribed by 40 CFR Part 136.

(E) Turbidity Values

The stormwater discharge turbidity value for each sampling point shall be determined by taking the average of the turbidity values of all samples taken at that sampling point during a given storm.

(b) Submittal of Reports Using NetDMR

Unless otherwise approved by the commissioner, on or before one-hundred and eighty (180) days after issuance of this permit, the Permittee and/or the Signatory Authority shall electronically submit SMRs required under this permit to the Department using NetDMR in satisfaction of the SMR submission requirements of Sections 5(c)(2)(A) of this permit.

SMRs shall be submitted electronically to the Department no later than the 30th day of the month following the completed reporting period. Any additional monitoring conducted in accordance with 40 CFR 136 shall be submitted to the Department as an electronic attachment to the SMR in NetDMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of SMRs to the Department. NetDMR is accessed from: <http://www.epa.gov/netdmr>.

(c) Submittal of NetDMR Opt-Out Requests

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting SMRs, the commissioner may approve the submission of SMRs in hard copy form (“opt-out request”). Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date a Permittee would be required under this permit to begin filing SMRs using NetDMR. This demonstration shall be valid for twelve (12) months from the date of the Department’s approval and shall thereupon expire. At such time, SMRs shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed opt-out request and such request is approved by the Department.

All opt-out requests and requests for the NetDMR subscriber form should be sent to the following address or by email at deep.netdmr@ct.gov:

Attn: NetDMR Coordinator
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

(d) Reporting and Record Keeping Requirements

- (1) For a period of at least five years from the date that construction is complete, the permittee shall retain copies of the Plan and all reports required by this general permit, and records of all data used to complete the registration for this general permit, unless the commissioner specifies another time period in writing. Inspection records must be retained as part of the Plan for a period of five (5) years after the date of inspection.
- (2) The permittee shall retain an updated copy of the Plan 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.

(k) 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 Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes.

(l) Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any information in any material submitted pursuant to this general permit, or 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 filed in accordance with the certification requirements prescribed in Section 5(i) of this general permit.

(m) Transfer of Authorization

Any authorization issued by the commissioner under this general permit is transferable only in accordance with the provisions of section 22a-6o of the General Statutes. Any person or municipality proposing to transfer any such authorization shall submit a license transfer form to the commissioner. The transferee is not authorized to conduct any activities under this general permit until the transfer is approved by the commissioner (typically 30 days). The transferee may adopt by reference the Plan developed by the transferor. The transferee shall amend the Plan as required by the "Keeping Plans Current" Section 5(b)(5) of this general permit).

(n) Reopener

At such time as the USEPA may institute a new rule for post-construction stormwater management or modify the requirements for their National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges from Construction Activities (CGP) to institute a numeric Effluent Limitation Guideline (ELG) for turbidity in stormwater discharges from construction activities, the commissioner may reopen this general permit pursuant to the Section 40 Part 122.62(a) of the Code of Federal Regulations for implementation of these elements.

(o) 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.

(p) 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 construction activity affected by such general permit. In conducting any construction 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.

(6) Signatures of:

(A) The permittee; and

(B) The person certifying the post-construction inspection pursuant to subsection 6(a)(1), above.

(c) *Where to File a Termination Form*

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

CENTRAL PERMITS PROCESSING UNIT
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Section 7. Commissioner's Powers

(a) *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 Connecticut General Statutes, 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 Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) *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.

(c) *Filing of an Individual Permit Application*

If the commissioner notifies a permittee in writing that such permittee must obtain an individual permit if he wishes to continue lawfully conducting the construction activity, the permittee shall file an application for an individual permit within thirty (30) days of receiving the commissioner's notice. 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.

Issued:

August 21, 2013


Daniel C. Esty
Commissioner

Screening

The site of the construction activity must be compared to the shaded areas depicted on the NDDB map to determine if the site is entirely, partially, or within ¼ mile of a shaded area. If the site is entirely, partially or within a ¼ mile of a shaded area for a listed species a registrant can only achieve compliance with section 3(b)(2) of the GP by obtaining a limited one-year determination under Section 2, a safe harbor determination under Section 3, or an approved mitigation plan under Section 5 of this Appendix from the Department's Wildlife Division.

If the site of the construction activity is not entirely, partially or within ¼ mile of a shaded area, then the Department is not aware of any listed species at the site of the construction activity. Based upon this screening, and provided the registrant has no reasonably available verifiable, scientific or other credible information that the construction activity could reasonably be expected to violate section 3(b)(2) of the GP, when completing the Registration Form for this GP a registrant may check the box that indicates that the construction activity will not impact federal or state listed species.

A registrant using only self-assessment under this section may utilize the results of any such self assessment for up to, but no more than, six months from the date of such assessment. Note, however, that the NDDB maps are not the result of comprehensive state-wide field investigations, but rather serve as a screening tool. Using such maps as a screening tool does not provide a registrant with an assurance that listed species or their associated habitat may not be encountered at the site of the construction activity. Notwithstanding the NDDB screening results, if a listed species is encountered at the site of the construction activity, the registrant shall promptly contact the Department and may need to take additional action to ensure that the registrant does not violate section 3(b)(2) of the GP.

Section 2. Obtaining a Limited One-Year Determination

A registrant may seek a written determination from the Department's Wildlife Division, good for one-year, that the proposed construction activity complies with section 3(b)(2) of the GP. To obtain this limited one-year determination, a registrant must, in addition to conducting the NDDB map review in Section 1 of this Appendix, provide the Department's Wildlife Division with (1) any reasonably available verifiable, scientific or other credible information about whether the construction activity could reasonably be expected to result in a violation of section 3(b)(2) of the GP, and (2) limited information about the site of the proposed construction activity, but less information than would be necessary for a safe harbor determination under Section 3 of this Appendix. The limited information necessary for a one-year determination is on the current "Request for Natural Diversity Database (NDDB) State Listed Species Review" form on the Department's website. The form and instructions for seeking such a limited one-year determination are available at www.ct.gov/DEEP/nddbrequest.

Provided the registrant's information is accurate and the Department's Wildlife Division determines that the construction activity will not violate section 3(b)(2) of the GP, the registrant shall receive a limited one-year determination from the Department. Any such determination may indicate that the construction activity will not impact listed species or their associated habitat, or it may include specific conditions to be implemented to avoid or significantly minimize any impacts that may be encountered at the site of the construction activity. For purposes of submitting a registration for the GP, any such limited one-year determination can be relied upon by the person receiving such determination for one-year from the date of such determination. Like, however, the NDDB screening procedure in Section 1 of this Appendix, a limited one-year determination does not provide a registrant with an assurance that listed species or their associated habitat may not be encountered at the site of the construction activity. If a listed species is encountered, the registrant shall promptly contact the Department

Provided the registrant's information is accurate and the Department's Wildlife Division determines that the construction activity will not violate section 3(b)(2) of the GP, the registrant shall receive a safe harbor determination from the Department. A safe harbor determination may indicate that the construction activity will not impact listed species or their associated habitat, or it may include specific conditions to be implemented to avoid or significantly minimize any impacts that may be encountered at the site of the construction activity. The Department shall honor the safe harbor determination for three years from the date it is issued, meaning that unlike the NDDDB review in Section 1 or the limited one-year determination in Section 2 of this Appendix, if the Department makes a safe harbor determination and a registrant remains in compliance with any conditions in any such determination, irrespective of what may be found at the site of the construction activity, a registrant shall be considered in compliance with section 3(b)(2) of the GP. However, a safe harbor determination shall not be effective if a construction activity may threaten the continued existence of any federally listed species or its critical habitat under federal law. If a federally listed species or its critical habitat is encountered on the site of the construction activity, the registrant shall promptly contact the Department and may need to take additional action to ensure that the construction activity does not violate federal law or section 3(b)(2) of the GP.

If a registrant receives a safe harbor determination from the Department, the registrant should check the safe harbor determination box on the GP registration form and include the Department's safe harbor determination if requested on the GP Registration form. Checking the safe harbor box on the registration form and failing to provide the safe harbor determination letter from the Department's Wildlife Division, if requested on the GP Registration form, will delay and may prevent processing of a registration.

If based upon the information provided by a registrant seeking a safe harbor determination the Department's Wildlife Division determines that the construction activity could impact listed species or their associated habitat, or that the Department needs additional information to make a safe harbor determination, the registrant may still achieve compliance with section 3(b)(2) of the GP through providing additional information pursuant to Section 4 or developing a mitigation plan pursuant to Section 5 of this Appendix.

If a registrant receives a safe harbor determination from the Department's Wildlife Division, anytime during the third year of such safe harbor, a registrant may request a one-year extension of that safe harbor. If the Department's Wildlife Division has prescribed a form for requesting an extension, any such request shall be made using the prescribed form. There is a presumption that a request for a one-year extension of a safe harbor shall be granted. However, this presumption can be rebutted if the Department determines that a change in any of the following has occurred since the safe harbor was granted: the construction activity affecting or potentially affecting listed species or their associated habitat; the NDDDB maps for the site of the construction activity; the information upon which the safe harbor was granted; or other information indicative of a change in circumstance affecting listed species or their associated habitat. A registrant may seek only one extension, for one-year, to a safe harbor determination. Any one-year extension granted under this paragraph shall run from the date of the Department's Wildlife Division issues its determination to grant an extension and shall be honored by the Department in the same manner as a safe harbor determination noted above. Any letter granting a one-year extension shall be included with a registration along with the original limited safe harbor determination as provided for in this section.

Section 4. Providing Additional Information

For the Department's Wildlife Division to make a limited one-year determination under Section 2 or a safe harbor determination under section 3 of this Appendix, limited additional information may be required to determine if the construction activity would impact listed species or their associated habitat. If the species in question is a state listed endangered or threatened species under section 26-306 of the general statutes, a registrant shall, in consultation with the Department's Wildlife Division, provide the limited additional

APPENDIX A
ATTACHMENT A

Specific Information Needed to Apply for a Safe Harbor Determination

A Safe Harbor Determination will be made upon the submission of a detailed report that fully addresses the matters noted below. For the Department's Wildlife Division to make a safe harbor determination, the report should synthesize and analyze this information, not simply compile information. Those providing synthesis and analysis need appropriate qualifications and experience. A request for a safe harbor determination shall include:

1) Habitat Information, including GIS mapping overlays, identifying:

- wetlands, including wetland cover types;
- plant community types;
- topography;
- soils;
- bedrock geology;
- floodplains, if any;
- land use history; and
- water quality classifications/criteria.

2) Photographs - The report should also include photographs of the site, including all reasonably available aerial or satellite photographs and an analysis of such photographs.

3) Inspection - The report should include a visual inspection(s) of the site, preferably when the ground is visible. This inspection can also be helpful in confirming or further evaluating the items noted above.

4) Biological Surveys - The report should include all biological surveys of the site where construction activity will take place that are reasonably available to a registrant. A registrant shall notify the Department's Wildlife Division of biological studies of the site where construction activity will take place that a registrant is aware of but are not reasonably available to the registrant.

5) Based on items #1 through 4 above, the report shall include a Natural Resources Inventory of the site of the construction activity. This inventory should also include a review of reasonably available scientific literature and any recommendations for minimizing adverse impacts from the proposed construction activity on listed species or their associated habitat.

6) In addition, to the extent the following is available at the time a safe harbor determination is requested, a request for a safe harbor determination shall include and assess:

- Information on Site Disturbance Estimates/Site Alteration information
- Vehicular Use
- Construction Activity Phasing Schedules, if any; and
- Alternation of Drainage Patterns

- Potential contamination of soils in historically industrialized areas. The siting of areas for infiltration must consider any existing soil or groundwater contamination.
- Site specific soil conditions. NRCS mapping consists of a minimum 3 acres map unit and soils may vary substantially within each mapping unit. Test pits should be dug in areas
- planned for infiltration practices to verify soil suitability and/or limitations.
- Investigation of areas of compacted soils and the utilization of proper construction staging. Planning should insure that areas to be used for infiltration are not compacted during the construction process by vehicles or machinery.

Even if infiltration is limited at a site, it is still possible to implement LID practices. Specifically, potential exists for the installation of green roofs on buildings and/or the use of cisterns to capture and reuse rainwater.

LID in Areas with a High Seasonal Water Table or Hardpan Layer

- The impact of stormwater runoff to any streams and/or wetlands near the site should be considered. Water quality treatment is influenced by hydraulic conductivity and time of travel. If stormwater infiltration is limited by an impermeable layer close to the surface, the water may run laterally through the ground and discharge to the stream or wetlands, providing limited water quality treatment. However, a longer time of travel may provide sufficient treatment. Proper soil testing for infiltration potential will increase the likelihood of successful BMP design.
- In areas with a high seasonal water table, bioretention areas/rain gardens should be planted with water tolerant/wetland plants. The presence of a high seasonal water table suggests that water may drain slowly or not at all during certain parts of the year. Planting native wetland vegetation will help to ensure plant survival and increase the effectiveness of bioretention practices. Information on native plantings that are both drought tolerant and tolerant of wet conditions can be found in The UConn Cooperative Extension System’s guide to building a rain garden at http://nemo.uconn.edu/publications/rain_garden_broch.pdf. Native plant lists for Connecticut can also be found at <http://www.fhwa.dot.gov/environment/rdsduse/ct.htm>.

LID Guidance for Federal Projects

- LID techniques have been utilized by Department of Defense (DoD) agencies during the last several years. The effectiveness of these projects in managing runoff as well as reducing construction and maintenance costs has created significant interest in LID. The DoD has created a Unified Facilities Criteria document, Low Impact Development that provides guidelines for integrating LID planning and design into a facility’s regulatory and resource protection programs. It is available on-line at: http://www.wbdg.org/ccb/DOD/UFC/ufc_3_210_10.pdf.
- Section 438 of the Energy Independence and Security Act (EISA) of 2007 requires federal agencies to reduce stormwater runoff from federal development projects to protect water resources. In December 2009, the EPA developed a technical guidance document on implementing the stormwater runoff requirements for federal projects under Section 438 of EISA. The document contains guidance on how compliance with Section 438 can be achieved, measured and evaluated and can be found at: http://www.epa.gov/owow/NPS/lid/section438/pdf/final_sec438_eisa.pdf.

For more information contact the CT DEEP Watershed Management/Low Impact Development Program:

| Name | Area | Telephone |
|--------------------------|---|----------------|
| MaryAnn Nusom Haverstock | Program Oversight/ Low Impact Development | (860) 424-3347 |
| Chris Malik | Watershed Manager | (860) 424-3959 |
| Susan Peterson | Watershed Manager | (860) 424-3854 |
| Eric Thomas | Watershed Manager | (860) 424-3548 |



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

APPENDIX C

AQUIFER PROTECTION AREAS AND OTHER GROUNDWATER DRINKING SUPPLY AREAS GUIDANCE INFORMATION

The Pollution Control Plan (“the Plan”) should consider measures to reduce or mitigate potential impacts to both ground water (aquifers) and surface waters, taking into consideration both quantity and quality of the runoff. The emphasis should be to minimize, to the extent possible, changes between pre-development and post-development runoff rates and volumes.

The basic stormwater principals for Aquifer Protection Areas (and other groundwater drinking supply areas) are to prevent inadvertent pollution discharges/releases to the ground, while encouraging recharge of stormwater where it does not endanger groundwater quality. Measures include:

- prevent illicit discharges to storm water, including fuel/chemical pollution releases to the ground;
- minimize impervious coverage and disconnect large impervious areas with natural or landscape areas;
- direct paved surface runoff to aboveground type land treatment structures – sheet flow, surface swales, depressed grass islands, detention/retention and infiltration basins, and wet basins. These provide an opportunity for volatilization of volatile organic compounds to the extent possible before the stormwater can infiltrate into the ground;
- provide necessary impervious pavement in high potential pollutant release areas. These “storm water hot spots” include certain land use types or storage and loading areas, fueling areas, intensive parking areas and roadways (see table below);
- only use subsurface recharge structures such as dry wells, galleries, or leaching trenches, to directly infiltrate clean runoff such as rooftops, or other clean surfaces. These structures do not adequately allow for attenuation of salts, solvents, fuels or other soluble compounds in groundwater that may be contained in runoff; and
- restrict pavement deicing chemicals, or use an environmentally suitable substitute such as sand only, or alternative de-icing agents such as calcium chloride or calcium magnesium.

Infiltration of stormwater should be **restricted** under the following site conditions:

- **Land Uses or Activities with Potential for Higher Pollutant Loads:** Infiltration of stormwater from these land uses or activities (refer to Table 7-5 below), also referred to as stormwater “hotspots,” can contaminate public and private groundwater supplies. Infiltration of stormwater from these land uses or activities may be allowed by the review authority with appropriate pretreatment. Pretreatment could consist of one or a combination of the primary or secondary treatment practices described in the Stormwater Quality Manual provided that the treatment practice is designed to remove the stormwater contaminants of concern.
- **Subsurface Contamination:** Infiltration of stormwater in areas with soil or groundwater contamination such as brownfield sites and urban redevelopment areas can mobilize contaminants.
- **Groundwater Supply and Wellhead Areas:** Infiltration of stormwater can potentially contaminate groundwater drinking water supplies in immediate public drinking water wellhead areas.



**General Permit for the Discharge of Stormwater and Dewatering Wastewaters
from Construction Activities**

APPENDIX D

Coastal Management Act Determination Form

For sites within the Coastal Boundary, please attach this form and written approval from the local governing authority (or verification of exemption) to the Registration Form for the Discharge of Stormwater and Dewatering Wastewaters From Construction Activities.

SITE INFORMATION

| |
|---|
| Future Permittee _____ |
| Mailing Address _____ |
| Business Phone _____ ext.: _____ Fax: _____ |
| Contact Person _____ Title: _____ |
| Site Name _____ |
| Site Address/ Location _____ |
| Site Latitude and Longitude _____ |
| Receiving Water (name, basin) _____ |
| Project Description _____ |

STATEMENT OF REVIEW:

| |
|---|
| <p>The above referenced project is consistent with the goals and policies in section 22a-92 of the Connecticut General Statutes and will not cause adverse impacts to coastal resources as defined in section 22a-93(15) of the Connecticut General Statutes.</p> <p>Date of Coastal Site Plan Approval: _____</p> <p><input type="checkbox"/> Copy of written approval attached, or</p> <p><input type="checkbox"/> Verification of exemption attached</p> |
|---|

| NORTHWEST | SOUTHWEST | NORTH CENTRAL | CT RIVER COASTAL | EASTERN |
|------------------|------------------|----------------------|-------------------------|----------------|
| Barkhamsted | Ansonia | Avon | Berlin | Andover |
| Bethel | Beacon Falls | Bloomfield | Chester | Ashford |
| Bethlehem | Bethany | Bolton | Clinton | Bozrah |
| Bridgewater | Branford | Bristol | Colchester | Brooklyn |
| Brookfield | Bridgeport | Burlington | Cromwell | Canterbury |
| Canaan | Cheshire | Canton | Deep River | Chaplin |
| Colebrook | Darien | Coventry | Durham | Columbia |
| Cornwall | Derby | East Granby | East Haddam | Eastford |
| Danbury | East Haven | East Hartford | East Hampton | East Lyme |
| Goshen | Easton | East Windsor | Essex | Franklin |
| Hartland | Fairfield | Ellington | Haddam | Griswold |
| Harwinton | Greenwich | Enfield | Hebron | Groton |
| Kent | Guilford | Farmington | Killingworth | Hampton |
| Litchfield | Hamden | Glastonbury | Lyme | Killingly |
| Morris | Meriden | Granby | Madison | Lebanon |
| New Fairfield | Middlebury | Hartford | Marlborough | Ledyard |
| New Hartford | Milford | Manchester | Middlefield | Lisbon |
| New Milford | Monroe | Plainville | Middletown | Mansfield |
| Newtown | Naugatuck | Simsbury | Newington | Montville |
| Norfolk | New Canaan | Somers | New Britain | New |
| North Canaan | New Haven | South Windsor | Old Lyme | London |
| Plymouth | North Branford | Stafford | Old Saybrook | North |
| Roxbury | North Haven | Suffield | Portland | Stonington |
| Salisbury | Norwalk | Tolland | Rocky Hill | Norwich |
| Sharon | Orange | Vernon | Salem | Plainfield |
| Sherman | Oxford | West Hartford | Westbrook | Pomfret |
| Southbury | Prospect | Wethersfield | | Preston |
| Thomaston | Redding | Willington | | Putnam |
| Torrington | Ridgefield | Windsor | | Scotland |
| Warren | Seymour | Windsor Locks | | Sprague |
| Washington | Shelton | | | Sterling |
| Watertown | Southington | | | Stonington |
| Winchester | Stamford | | | Thompson |
| Woodbury | Stratford | | | Union |
| | Trumbull | | | Voluntown |
| | Wallingford | | | Waterford |
| | Waterbury | | | Windham |
| | West Haven | | | Woodstock |
| | Weston | | | |
| | Westport | | | |
| | Wilton | | | |
| | Wolcott | | | |
| | Woodbridge | | | |

NOW, THEREFORE, in consideration of the mutual covenants and conditions hereinafter stated, the Parties agree as follows:

I. RESPONSIBILITIES OF THE CONSERVATION DISTRICTS.

For locally approvable projects, as defined in the Construction General Permit, with five (5) or more acres of soil disturbance, the appropriate District (as specified in Appendix E of the Construction General Permit, appended hereto as Exhibit 3) shall review Stormwater Pollution Control Plans submitted to the District in accordance with Section 3(b)(10) of the CGP, shall determine whether each such SWPCP is consistent with the requirements of the CGP, and shall advise the Commissioner in writing of its determination regarding the SWPCP's consistency.

A. Components of the SWPCP Review by the Districts

1. Requirements for Conducting a Review:

(a) SWPCP review shall be conducted by a District representative having one or more of the following minimum qualifications: (i) a bachelor's degree in hydrology, engineering (agricultural, civil, environmental, or chemical), landscape architecture, geology, soil science, environmental science, natural resources management, or a related field and two years of professional and field experience, or (ii) the EnviroCert International, Inc. designation as a Certified Professional in Erosion and Sediment Control, or a Certified Professional in Storm Water Quality.

(b) All SWPCP reviews undertaken by a District shall be conducted in accordance with the guidelines and procedures established by DEEP in consultation with the Districts, as further described below, and shall include at least one inspection, and no more than 3 inspections, of the project site.

(c) The District shall begin a SWPCP review upon the receipt of the all of following: the developer's request for review, two copies of the proposed SWPCP, the payment of required fee in the amount specified in Exhibit 1 and the written permission of the developer to enter onto and inspect the project site. Once the District is in receipt of all the documents and the fee as delineated above, the developer's SWPCP shall be considered submitted to the District.

2. Determinations of Consistency by the District after Review of the SWPCP and Subsequent Procedures

(a) If the District determines the developer's SWPCP is:

(i) Consistent with the requirements of the Construction General Permit, the District shall issue an affirmative determination notice to both the developer or such developer's designee and to DEEP in order to advise them of the adequacy of the SWPCP. The District shall also provide a copy of the SWPCP to DEEP if requested by the Commissioner.

(ii) Not consistent with the requirements of the Construction General Permit, the District shall provide a written notice of such inconsistency to the developer or such developer's designee; such notice shall include a list of the SWPCP's deficiencies and any appropriate explanatory comments.

(b) If the developer's SWPCP is found to be inconsistent with the CGP, the developer may revise the SWPCP (the "Revised SWPCP") to address any deficiencies noted by the District and resubmit its Revised SWPCP to the District for review.

B. Plan Review Timeframes

1. The District shall review a new submission of a SWPCP submitted by a developer or such developer's designee and provide review comments within thirty (30) calendar days of the date of a complete submission as specified in Section I.A.1.(c).
2. If the District identifies deficiencies in the SWPCP, the District shall allow the developer or such developer's designee the opportunity to revise their SWPCP and resubmit it to the District within fifteen (15) calendar days after the date of mailing or delivery of the District's written comments to the developer or such developer's designee.
3. The District shall review any SWPCP revised in accordance with subsection I.B.2., above, and provide a written determination of the SWPCP's consistency or inconsistency within fifteen (15) calendar days after the submission of the revised SWPCP.
4. At the request of the District or the developer and with the agreement of both the District and the developer, the deadlines stated in subsections 1. – 3., above, may be extended. However, any such extensions shall be limited to no more than double the original amount of time allowed above for the relevant action.
5. Express review of a SWPCP may be requested by a developer. However, the Districts shall have complete discretion to accept or decline such request for an express review based on the District's circumstances, including, but not limited to: their existing workload, vacation schedules and staffing. If a District grants an express review, the timeframe shall be reduced to no more than one third of the timeframes noted in subsection 1. – 3., above, and the fee shall be in accordance with the Express Reviews fee in Exhibit 1.
6. In the event a District does not complete the review of the SWPCP within sixty (60) days (or within the time allowed under any authorized extension pursuant to subsection B.4, above, but in no circumstance later than 120 days) of the date the SWPCP was initially submitted to the District, and provided such delay is not the result of the developer's or such developer's designee's failure to address SWPCP deficiencies as noted in subsection B.2, above, the District shall:
 - (a) not later than three (3) days after the District's deadline, notify the DEEP that the developer shall be initiating the registration process for the Construction General Permit in accordance with section I.B of this Agreement, for completion of the SWPCP review, and;
 - (b) provide to the DEEP, upon request, the District's complete file, including supporting documentation the developer's SWPCP consistency determination, including, but not limited to, the SWPCP, any other documentation submitted to the District by or on behalf of a developer, and any analysis already performed by the District; and
 - (c) not later than seven (7) days after the District's deadline, in accordance with section I.B of this Agreement, for completion of the SWPCP review, transfer to the DEEP, up to a maximum of \$4,500, the fees that were originally submitted by the developer.

C. Inspections of the Project Site

1. Prior to the commencement of project construction and during the course of the SWPCP review process, the District shall conduct at least one inspection of the project site.
2. Once the construction of the project has begun, a District shall make at least one, but not more than three, inspection(s) of the project site to verify that the developer's SWPCP is being

C. DEEP shall provide initial training regarding SWPCP requirements for District staff involved in SWPCP reviews. The frequency of subsequent training shall be determined by the Commissioner.

D. DEEP shall retain final decision making authority regarding the determination that a SWPCP is or is not consistent with the requirements of the Construction General Permit and shall oversee the permitting process for Construction General Permit coverage.

E. Once a SWPCP has been approved, DEEP shall oversee any subsequent compliance and/or enforcement matters related to a developer's adherence to the requirements of the Construction General Permit.

F. DEEP shall have the discretion to review any of the Districts' records pertaining to any aspect this Agreement.

IV. POINTS OF CONTACT.

The following shall be points of contact for this Agreement unless otherwise agreed to by all Parties, notwithstanding section VI. All notices, demands, requests, consents, approvals or other communications required or permitted to be given or which are given with respect to this Agreement (for the purpose of this section collectively called "Notices") shall be deemed to have been effected at such time as the notice is placed in the U.S. mail, first class and postage prepaid, return receipt requested, or, placed with a recognized, overnight express delivery service that provides for a return receipt. All such Notices shall be in writing and shall be addressed as follows:

A. DEEP

Director
Water Permitting & Enforcement Division
Bureau of Material Management & Compliance Assurance
Department of Energy & Environmental Protection
79 Elm St.
Hartford, CT 06106
Phone: 860-424-3018
Fax: 860-424-4074

B. Conservation District

Board Chairperson
Address & Phone of appropriate District:

Northwest Conservation District
1185 New Litchfield Street
Torrington, CT 06790
Ph: 860-626-7222
Fax: 860-626-7222
Email: ncd@conservect.org

Eastern Connecticut Conservation District
238 West Town Street
Norwich, CT 06360-2111
Ph: 860-887-4163 x 400 Fax: 860-887-4082
Email: kate.johnson.eccd@comcast.net

authorized employee, may terminate the Agreement whenever the Agency makes a written determination that such Termination is in the best interests of the State. The Agency shall notify the Districts in writing sent by certified mail, return receipt requested, which notice shall specify the effective date of Termination and the extent to which the Districts must complete its Performance under the Agreement prior to such date; or (b) The Districts may terminate the Agreement for good cause. The Districts shall notify DEEP by written notice at least one hundred eighty (180) days prior to the effective date of termination. In order for the Districts to terminate this Agreement, (1) there must be a consensus between all five Conservation Districts that each District shall be terminating this Agreement with the DEEP; (2) such proof of consensus shall be submitted to the DEEP in the form of a letter signed by the duly authorized agent for each District by certified mail, return receipt requested, at least one hundred eighty (180) days prior to the Districts' intention to cancel or terminate. Upon the Termination of this Agreement by either Party, the Districts shall deliver to the Agency copies of all Records no later than thirty (30) days after the Termination of the Agreement, or fifteen (15) days after the Non-terminating Party receives a written request from the Terminating Party for the Records. The Districts shall deliver those Records that exist in electronic, magnetic or other intangible form in a non-proprietary format, such as, but not limited to, PDF, ASCII or .TXT. Upon receipt of a written notice of Termination from the Agency, the Districts shall cease operations as the Agency directs in the notice, and take all actions that are necessary or appropriate, or that the Agency may reasonably direct, for the protection, and preservation of records. Except for any work which the Agency directs the Districts to Perform in the notice prior to the effective date of Termination, and except as otherwise provided in the notice, the Districts shall terminate or conclude all existing subcontracts and purchase orders and shall not enter into any further subcontracts, purchase orders or commitments. Upon Termination of the Agreement, all rights and obligations shall be null and void, so that no Party shall have any further rights or obligations to any other Party, except with respect to the sections which survive Termination. All representations, warranties, agreements and rights of the Parties under the Agreement shall survive such Termination to the extent not otherwise limited in the Agreement and without each one of them having to be specifically mentioned in the Agreement. Termination of the Agreement pursuant to this section shall not be deemed to be a breach of Agreement by the Agency.

XI. DURATION OF AGREEMENT. This Agreement shall be effective on July 1, 2013 or on the date of the last signature below, whichever is later, and shall continue in force unless canceled or terminated by either party in accordance with paragraph X above.

XII. VOID AB INITIO. Notwithstanding paragraphs X and XI, the Agreement shall be void *ab initio* if the Construction General Permit is reissued, revoked or modified to eliminate the need for the Districts to review the SWPCP pursuant to such general permit's terms and conditions or if the Construction General Permit expires and is not reissued.

XIII. INTERPRETATION. The Agreement contains numerous references to statutes and regulations. For purposes of interpretation, conflict resolution and otherwise, the content of those statutes and regulations shall govern over the content of the reference in the Agreement to those statutes and regulations.

XIV. ENTIRETY OF AGREEMENT. This Agreement is the entire agreement between the Parties with respect to its subject matter, and supersedes all prior agreements, proposals, offers, counteroffers and understandings of the Parties, whether written or oral. The Agreement has been entered into after full investigation, neither Party relying upon any statement or representation by the other unless such statement or representation is specifically embodied in the Agreement.

XV. PROTECTION OF STATE CONFIDENTIAL INFORMATION. *(mandatory language required for all PSAs effective 12/1/11)*

A. The Districts or District Parties, at their own expense, have a duty to and shall protect from a

XVII. ADA PUBLICATION STATEMENT. The following statement shall be incorporated into all **publications** prepared under the terms of this Agreement:

“The Department of Energy and Environmental Protection is an affirmative action/equal opportunity employer and service provider. In conformance with the Americans with Disabilities Act, DEEP makes every effort to provide equally effective services for persons with disabilities. Individuals with disabilities who need this information in an alternative format, to allow them to benefit and/or participate in the agency’s programs and services, should call DEEP’s Human Resources Office at (860) 424-3006, send a fax to (860) 424-3896, or email DEEP.MedRecs@ct.gov. Persons who are hearing impaired should call the State of Connecticut relay number 711.”

When advertising any **public meetings** conducted under the terms of this Agreement, the above publications language should be used as well as the following statement:

“Requests for accommodations must be made at least two weeks prior to the program date.”

All **videos** produced under the terms of this Agreement must be made available with closed captioning.

XVIII. PUBLICATION OF MATERIALS. The District must obtain written approval from the State of Connecticut prior to distribution or publication of any printed material prepared under the terms of this Agreement. Unless specifically authorized in writing by the State, on a case by case basis, the District shall have no right to use, and shall not use, the name of the State of Connecticut, its officials, agencies, or employees or the seal of the State of Connecticut or its agencies: (1) in any advertising, publicity, promotion; or (2) to express or to imply any endorsement of District’s products or services; or (3) to use the name of the State of Connecticut, its officials agencies, or employees or the seal of the State of Connecticut or its agencies in any other manner (whether or not similar to uses prohibited by (1) and (2) above), except only to manufacture and deliver in accordance with this Agreement such items as are hereby contracted for by the State. In no event may the Districts use the State Seal in any way without the express written consent of the Secretary of State.

XIX. CHANGES IN PRINCIPAL PROJECT STAFF. Any changes in the principal project staff must be requested in writing and approved in writing by the Commissioner at the Commissioner’s sole discretion. In the event of any unapproved change in principal project staff, the Commissioner may, in the Commissioner’s sole discretion, terminate this Agreement.

XX. FURTHER ASSURANCES. The Parties shall provide such information, execute and deliver any instruments and documents and take such other actions as may be necessary or reasonably requested by the other Party which are not inconsistent with the provisions of this Agreement and which do not involve the vesting of rights or assumption of obligations other than those provided for in the Agreement, in order to give full effect to the Agreement and to carry out the intent of the Agreement.

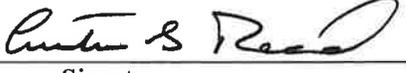
XXI. ASSIGNMENT. The Districts shall not assign any of their rights or obligations under the Agreement, voluntarily or otherwise, in any manner without the prior written consent of the Agency. The Agency may void any purported assignment in violation of this section and declare the District in breach of this Agreement. Any termination by the Agency for a breach is without prejudice to the Agency’s or the State’s rights or possible Claims.

XXII. EXHIBITS. All exhibits referred to in, and attached to, this Agreement are incorporated in this Agreement by such reference and shall be deemed to be a part of it as if they had been fully set forth in it.

XXIII. FORCE MAJEUR. Events that materially affect the cost of the Goods or Services or the time schedule within which to Perform and are outside the control of the party asserting that such an event has

Authorizing Signatures

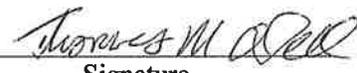
For DEEP:  8/21/13
Commissioner Date

For Northwest Conservation District:  6/5/13
Signature Date

Chairman
Title

For Eastern Connecticut Conservation District:  6/12/13
Signature Date

Chair
Title

For Connecticut River Coastal Conservation District, Inc.:  5/22/13
Signature Date

Chair
Title

For Southwest Conservation District:  5/13/13
Signature Date

Vice-Chairperson SWCD
Title

For North Central Conservation District:  5/23/13
Signature Date

Chairman
Title

EXHIBIT 1

**Connecticut Conservation District
Stormwater Pollution Control Plan Review Fee Schedule**

Commercial and Multi Family Developments

| Number of Disturbed Acres | Standard Fee | Number of Disturbed Acres | Standard Fee |
|---------------------------------|-----------------|---------------------------------|-----------------|
| 5 | \$2,200 | 28 | \$5,995 |
| 6 | \$2,365 | 29 | \$6,160 |
| 7 | \$2,530 | 30 | \$6,325 |
| 8 | \$2,695 | 31 | \$6,490 |
| 9 | \$2,860 | 32 | \$6,655 |
| 10 | \$3,025 | 33 | \$6,820 |
| 11 | \$3,190 | 34 | \$6,985 |
| 12 | \$3,355 | 35 | \$7,150 |
| 13 | \$3,520 | 36 | \$7,315 |
| 14 | \$3,685 | 37 | \$7,480 |
| 15 | \$3,850 | 38 | \$7,645 |
| 16 | \$4,015 | 39 | \$7,810 |
| 17 | \$4,180 | 40 | \$7,975 |
| 18 | \$4,345 | 41 | \$8,140 |
| 19 | \$4,510 | 42 | \$8,305 |
| 20 | \$4,675 | 43 | \$8,470 |
| 21 | \$4,840 | 44 | \$8,635 |
| 22 | \$5,005 | 45 | \$8,800 |
| 23 | \$5,170 | 46 | \$8,965 |
| 24 | \$5,335 | 47 | \$9,130 |
| 25 | \$5,500 | 48 | \$9,295 |
| 26 | \$5,665 | 49 | \$9,460 |
| 27 | \$5,830 | 50 | \$9,625 |

Over 50 acres:

\$9,625 + \$25 x number of disturbed acres over 50

SW PCP Review: Standard Fee (as shown above)

Resubmission: Standard Fee minus 50%

Post-Approval Resubmission: \$85 per hour, up to a maximum of the Standard Fee minus 50%

Express Reviews: The specified fee for an SW PCP Review, a Resubmission, or a Post-Approval Resubmission; plus 50% of the applicable fee and/or limit

Policies:

1. Payment due upon submission of SW PCP, with the exception of Post-Approval Resubmissions.
2. Payment for Post-Approval Resubmission review is due upon completion of review.
3. Written permission to enter onto and inspect the site: Due upon submission of SW PCP.

an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission; (3) the Districts agree to provide each labor union or representative of workers with which the Districts have a collective bargaining Agreement or other contract or understanding and each vendor with which the Districts have a contract or understanding, a notice to be provided by the Commission, advising the labor union or workers' representative of the Districts' commitments under this section and to post copies of the notice in conspicuous places available to employees and applicants for employment; (4) the Districts agree to comply with each provision of this Section and Connecticut General Statutes §§ 46a-68e and 46a-68f and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statutes §§ 46a-56, 46a-68e and 46a-68f; and (5) the Districts agree to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Districts as relate to the provisions of this Section and Connecticut General Statutes § 46a-56. If the contract is a public works contract, the Districts agree and warrant that they will make good faith efforts to employ minority business enterprises as Districts and suppliers of materials on such public works projects.

(c) Determination of the Districts' good faith efforts shall include, but shall not be limited to, the following factors: The Districts' employment and subcontracting policies, patterns and practices; affirmative advertising, recruitment and training; technical assistance activities and such other reasonable activities or efforts as the Commission may prescribe that are designed to ensure the participation of minority business enterprises in public works projects.

(d) The Districts shall develop and maintain adequate documentation, in a manner prescribed by the Commission, of its good faith efforts.

(e) The Districts shall include the provisions of subsection (b) of this Section in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on the Districts, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Districts shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes §46a-56; provided if such Districts become involved in, or is threatened with, litigation with the Districts or vendor as a result of such direction by the Commission, the Districts may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.

(f) The Districts agree to comply with the regulations referred to in this Section as they exist on the date of this Agreement and as they may be adopted or amended from time to time during the term of this Agreement and any amendments thereto.

(g) (1) The Districts agree and warrant that in the performance of the Agreement such Districts will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or the State of Connecticut, and that employees are treated when employed without regard to their sexual orientation; (2) the Districts agree to provide each labor union or representative of workers with which such Districts have a collective bargaining Agreement or other contract or understanding and each vendor with which such Districts have a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the Districts' commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; (3) the Districts agree to comply with each provision of this section and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statutes § 46a-56; and (4) the Districts agree to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Districts which relate to the provisions of this Section and Connecticut General Statutes § 46a-56.

(h) The Districts shall include the provisions of the foregoing paragraph in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on the Districts, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Districts shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes § 46a-56; provided, if such Districts become involved in, or is threatened with, litigation with the Districts or vendor as a result of such direction by the Commission, the Districts may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to the Connecticut Department of Energy and Environmental Protection (DEEP)."

CONSERVATION DISTRICT PLAN REVIEW CERTIFICATION

Registrations submitted to DEEP for which a Conservation District has performed the Plan review pursuant to Section 3(b)(10) of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities shall include the following certification:

"I hereby certify that I am an employee of the [INSERT NAME OF DISTRICT] Conservation District and that I meet the qualifications to review Stormwater Pollution Control Plans as specified in the Memorandum of Agreement between the Connecticut Department of Energy & Environmental Protection and the Connecticut Conservation Districts. I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by [INSERT NAME OF REGISTRANT] 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 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, based on my review of the requirements of such general permit and on the standard of care for such projects, that the Plan is in compliance with the requirements of the general permit. I 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 Connecticut General Statutes and any other applicable law."

Registrations submitted to DEEP for which the District review was begun but *could not be completed* within the time limits specified in the Memorandum of Agreement shall include the following statement:

"I hereby certify that I am an employee of the [INSERT NAME OF DISTRICT] Conservation District and that I meet the qualifications to review Stormwater Pollution Control Plans as specified in the Memorandum of Agreement between the Connecticut Department of Energy & Environmental Protection and the Connecticut Conservation Districts. I am making this statement in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I hereby state that the review of the Stormwater Pollution Control Plan (Plan) for such registration was not completed within the time frames specified in the Memorandum of Agreement. Consequently, I cannot certify that the Plan is in compliance with the requirements of the general permit."

– assess all other criteria and proceed to Step 3.

3. Are there buildings or structures over 150 years in age with the project site?

If no, proceed to Criterion 4. If yes, the project site may contain significant historic period archaeological resources – assess all other criteria and proceed to Step 3.

4. Are there buildings or structures shown within or immediately adjacent to the project site on the 1850's Connecticut County maps?

Historic County maps are here:

Fairfield - <http://www.flickr.com/photos/uconnlibrariesmagic/3387034755/>

Hartford - <http://www.flickr.com/photos/uconnlibrariesmagic/3386955421/>

Litchfield - <http://www.flickr.com/photos/uconnlibrariesmagic/3387765290/>

Middlesex - <http://www.flickr.com/photos/uconnlibrariesmagic/3386956185/>

New Haven - <http://www.flickr.com/photos/uconnlibrariesmagic/3386956345/>

New London - <http://www.flickr.com/photos/uconnlibrariesmagic/3387766080/>

Tolland - <http://www.flickr.com/photos/uconnlibrariesmagic/3386957013/>

Windham - <http://www.flickr.com/photos/uconnlibrariesmagic/3387766950/>

To look for buildings and structures click on the appropriate county map link. From the “Actions” drop-down menu choose “View all sizes”. On the “Photo/All sizes” page, choose “Original” to view the county map at an enlarged scale.

If no, there is a low potential for significant historic period archaeological resources. If yes, the site may contain significant historic period archaeological resources- assess all other criteria and proceed to Step 3.

Step 3: If you answered yes to Criterion 2, 3, or 4, please contact Daniel Forrest (860-256-2761 or daniel.forrest@ct.gov) or the current environmental review coordinator at the State Historic Preservation Office, Department of Economic and Community Development for additional guidance.

Step 4: Report in the Registration Form for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities that a review has been conducted and the results of the review (i.e. the proposed site does not have the potential for historic/ archaeological resources, or that such potential exists and is being or has been reviewed by the Connecticut Commission on Culture and Tourism).

Please note that DEEP will refer all proposed sites with a historic/ archaeological resource potential (as identified in Steps 1 & 2 above) to the State Historic Preservation Office at the Department of Economic and Community Development..

APPENDIX E

Stormwater Construction Site Inspection Report

| General Information | | | |
|--|--------------------------------------|----------------|--|
| Project Name | Solar City – Pelican Park Groton, CT | | |
| DEEP Tracking No. | | Location | |
| Date of Inspection | | Start/End Time | |
| Inspector's Name(s) | | | |
| Inspector's Title(s) | | | |
| Inspector's Contact Information | | | |
| Inspector's Qualifications | | | |
| Describe present phase of construction | | | |
| Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event | | | |
| Weather Information | | | |
| Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in): | | | |
| Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: | | | |
| Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: | | | |
| Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: | | | |

Site-specific BMPs

| | BMP | BMP Installed? | BMP Maintenance Required? | Corrective Action Needed and Notes |
|----|-----|--|--|------------------------------------|
| 1 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 2 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 4 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 5 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 6 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 7 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 8 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 10 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 11 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 12 | | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Overall Site Issues

| | BMP/activity | Implemented? | Maintenance Required? | Corrective Action Needed and Notes |
|----|--|--|--|---|
| 1 | Are all slopes and disturbed areas not actively being worked properly stabilized? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 2 | Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3 | Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 4 | Are discharge points and receiving waters free of any sediment deposits? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 5 | Are storm drain inlets properly protected? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 6 | Is the construction exit preventing sediment from being tracked into the street? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 7 | Is trash/litter from work areas collected and placed in covered dumpsters? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 8 | Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9 | Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 10 | Are materials that are potential stormwater contaminants stored inside or under cover? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 12 | (Other) | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION STATEMENT

“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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print name and title: _____

Signature: _____ **Date:** _____

APPENDIX F



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form

Please complete and submit this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your termination. Print or type unless otherwise noted.

Note: Ensure that for commercial and industrial facilities, registrations under the *General Permit for the Discharge of Stormwater Associated with Industrial Activity* (DEP-PED-GP-014) or the *General Permit for the Discharge of Stormwater from Commercial Activities* (DEP-PED-GP-004) have been filed where applicable. For questions about the applicability of these general permits, please call the Department at 860-424-3018.

Part I: Registrant Information

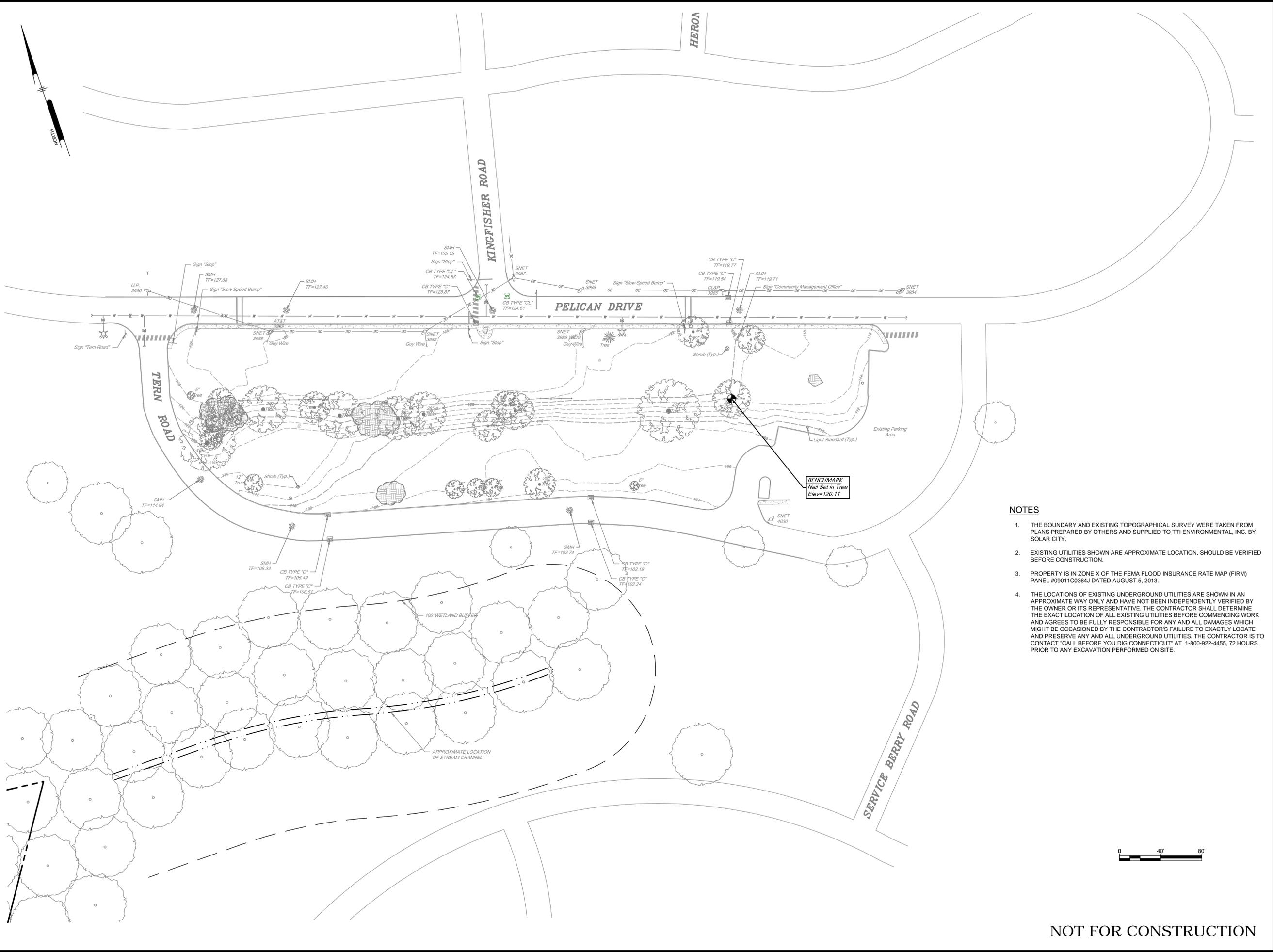
| | | | |
|--|--------------------------------------|-------------------------------------|--|
| 1. Permit number: GSN | | | |
| 2. Fill in the name of the registrant(s) as indicated on the registration certificate: Registrant: | | | |
| 3. Site Address: City/Town: _____ State: _____ Zip Code: _____ | | | |
| 4. Date all storm drainage structures were cleaned of construction sediment: Date of Completion of Construction: _____ Date of Last Inspection (must be at least three months after final stabilization pursuant to Section 6(b)(6)(D) of the general permit): _____ | | | |
| 5. Check the post-construction activities at the site (check all that apply): | | | |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Residential | <input type="checkbox"/> Commercial | <input type="checkbox"/> Capped Landfill |
| <input type="checkbox"/> Other (describe): _____ | | | |

Part II: Certification

| | |
|---|--------------------------------|
| "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 this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute." | |
| _____ Signature of Permittee | _____ Date |
| _____ Name of Permittee (print or type) | _____ Title (if applicable) |

Note: Please submit this Notice of Termination Form to:
STORMWATER PERMIT COORDINATOR
BUREAU OF WATER MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

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 PLOTSTYLE: TTEch_NCS.dwg



NOTES

1. THE BOUNDARY AND EXISTING TOPOGRAPHICAL SURVEY WERE TAKEN FROM PLANS PREPARED BY OTHERS AND SUPPLIED TO TTI ENVIRONMENTAL, INC. BY SOLAR CITY.
2. EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATION. SHOULD BE VERIFIED BEFORE CONSTRUCTION.
3. PROPERTY IS IN ZONE X OF THE FEMA FLOOD INSURANCE RATE MAP (FIRM) PANEL #09011C0364J DATED AUGUST 5, 2013.
4. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR IS TO CONTACT 'CALL BEFORE YOU DIG CONNECTICUT' AT 1-800-922-4455, 72 HOURS PRIOR TO ANY EXCAVATION PERFORMED ON SITE.


TTI ENVIRONMENTAL INC.
 Engineering Division
 13 Branch Street, Suite 111
 Methuen, MA 01844
 T 978.749.9929 F 978.749.9920

596.44 kW SOLAR PV SYSTEM
 CMEEC - NORTHEAST NAVY
 GROTON, CONNECTICUT
EXISTING CONDITIONS PLAN
NAUTILUS PARK I
 SOLAR CITY CORPORATION
 3055 CLEARVIEW WAY
 SAN MATEO, CA 94402

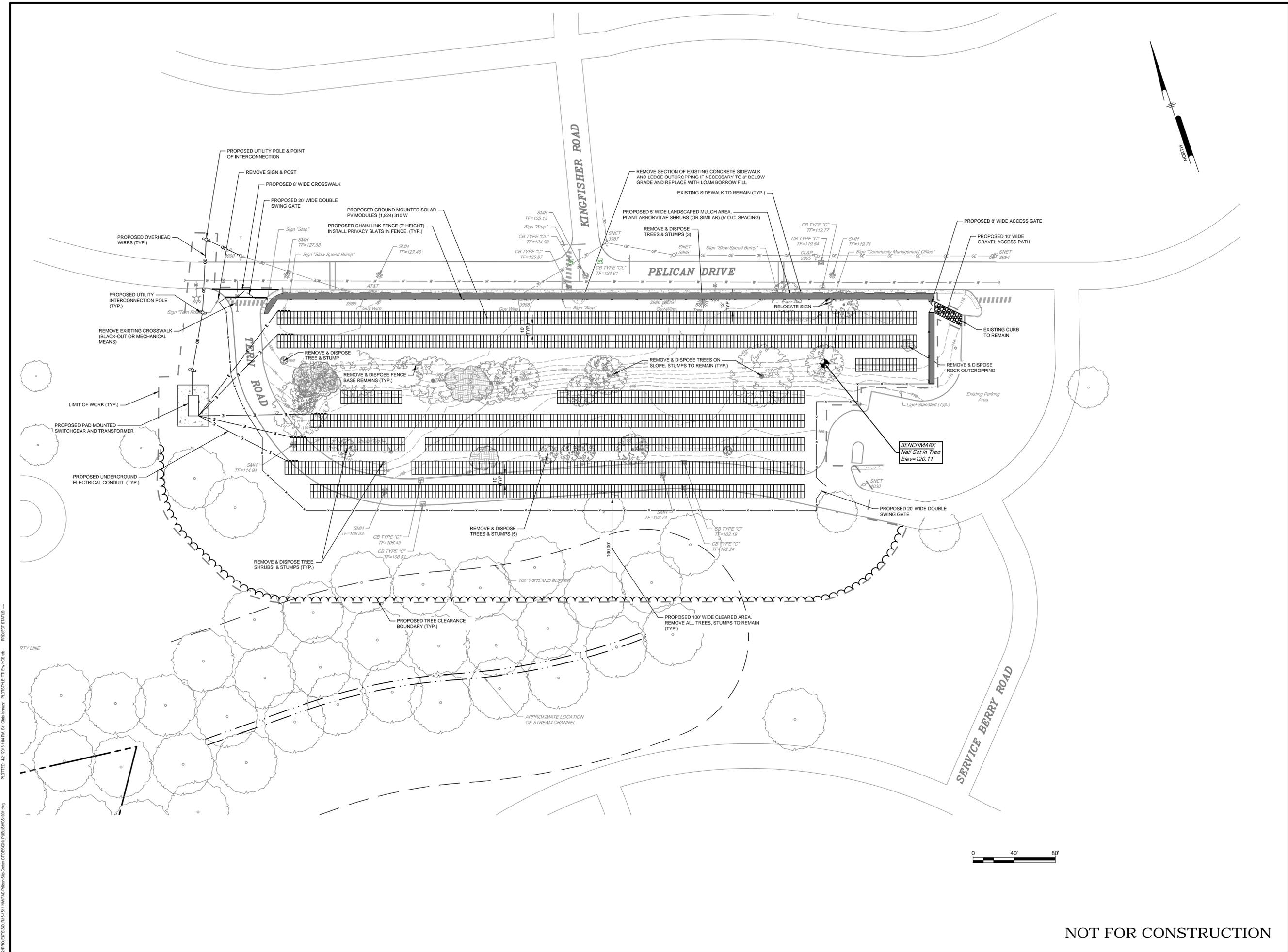
| NO. | DATE | REVISIONS | BY |
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ALL DOCUMENTS PREPARED BY TTI ENVIRONMENTAL ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY TTI ENVIRONMENTAL FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO TTI ENVIRONMENTAL AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS TTI ENVIRONMENTAL FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

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| PROJECT | 15-1511 |
| DATE | 2016-04-29 |
| DRAWING SCALE | 1"=40' |
| DRAWN BY | CMJ |
| APPROVED BY | BCO |

CS0201
 SHEET 2 OF 7

NOT FOR CONSTRUCTION



596.44 kW SOLAR PV SYSTEM
 CMEEC - NORTHEAST NAVY
 GROTON, CONNECTICUT
LAYOUT & MATERIALS PLAN
NAUTILUS PARK I
 SOLAR CITY CORPORATION
 3055 CLEARVIEW WAY
 SAN MATEO, CA 94402

| NO. | DATE | REVISIONS | BY |
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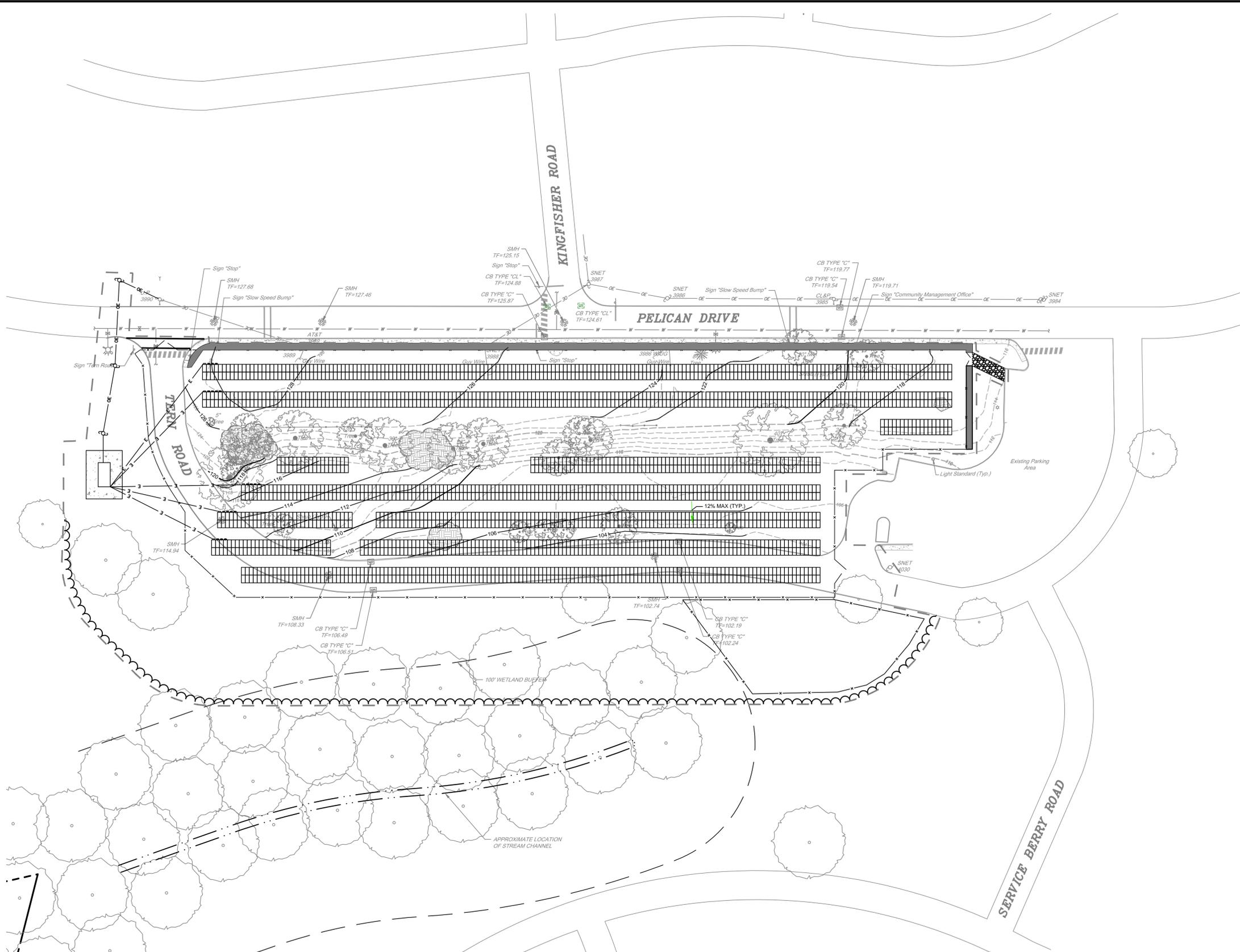
ALL DOCUMENTS PREPARED BY TTI ENVIRONMENTAL ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY TTI ENVIRONMENTAL FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS' SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO TTI ENVIRONMENTAL AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS TTI ENVIRONMENTAL FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

| | |
|---------------|------------|
| PROJECT | 15-1511 |
| DATE | 2016-04-29 |
| DRAWING SCALE | 1"=40' |
| DRAWN BY | CMJ |
| APPROVED BY | BCO |

NOT FOR CONSTRUCTION

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TTI ENVIRONMENTAL INC.
 Engineering Division
 13 Branch Street, Suite 111
 Methuen, MA 01844
 T 978.749.9929 F 978.749.9920

596.44 kW SOLAR PV SYSTEM
 C/MEEC - NORTHEAST NAVY
 GROTON, CONNECTICUT
GRADING PLAN
NAUTILUS PARK I
 SOLAR CITY CORPORATION
 3055 CLEARVIEW WAY
 SAN MATEO, CA 94402

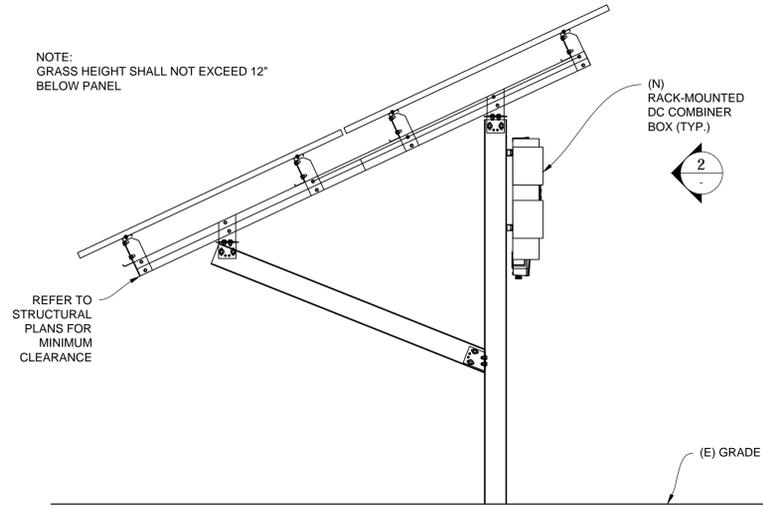
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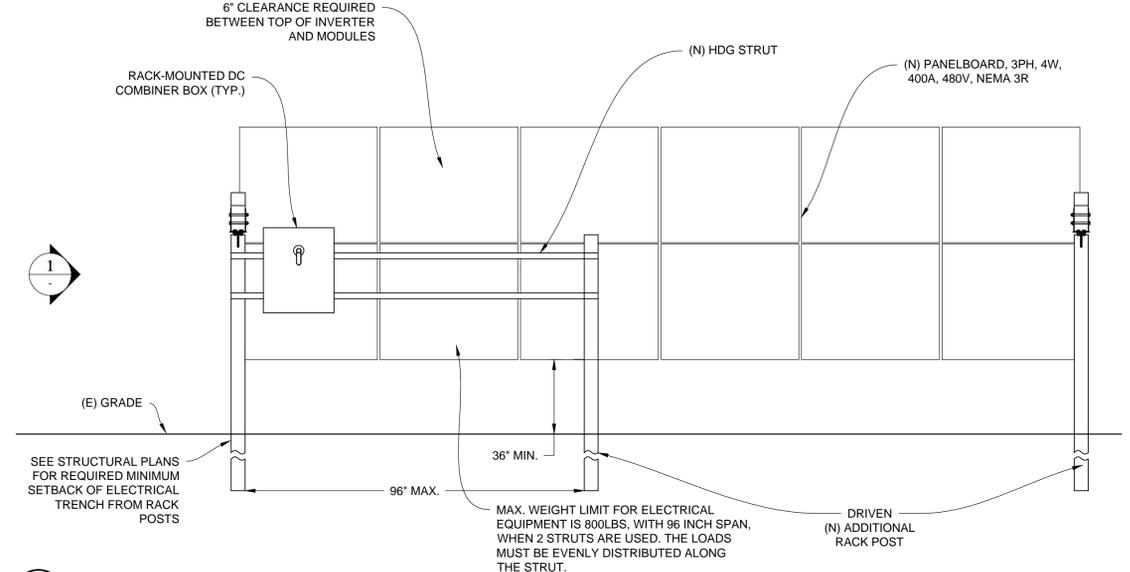
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 APPROVED BY: BCO

CS1501
 SHEET 4 OF 7

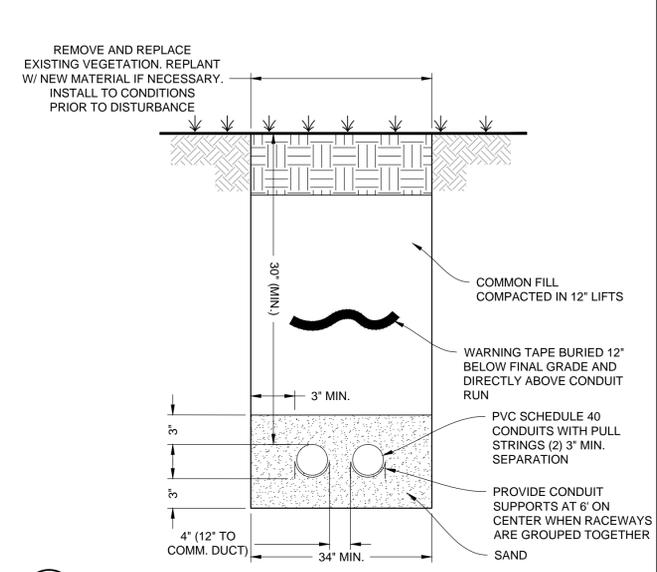
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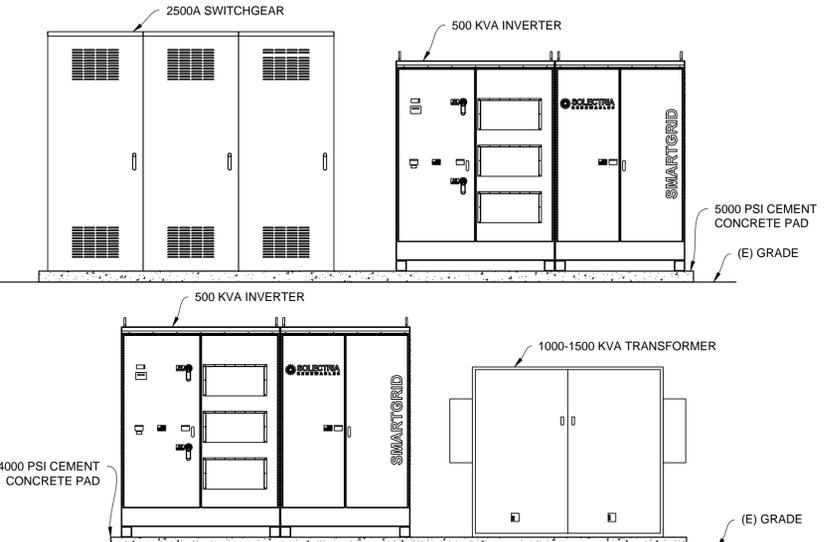
1 EQUIPMENT RACK (SIDE ELEVATION)
NOT TO SCALE



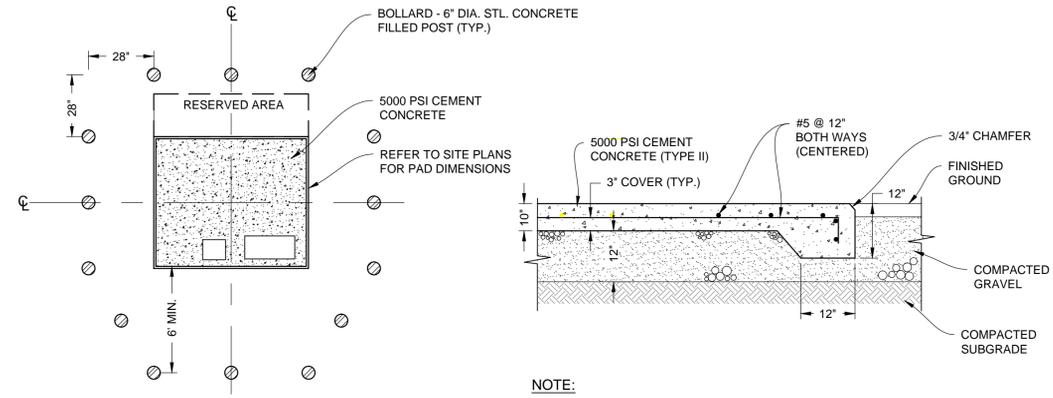
2 EQUIPMENT RACK (REAR ELEVATION)
NOT TO SCALE



3 TYPICAL CONDUIT TRENCHING DETAIL
NOT TO SCALE



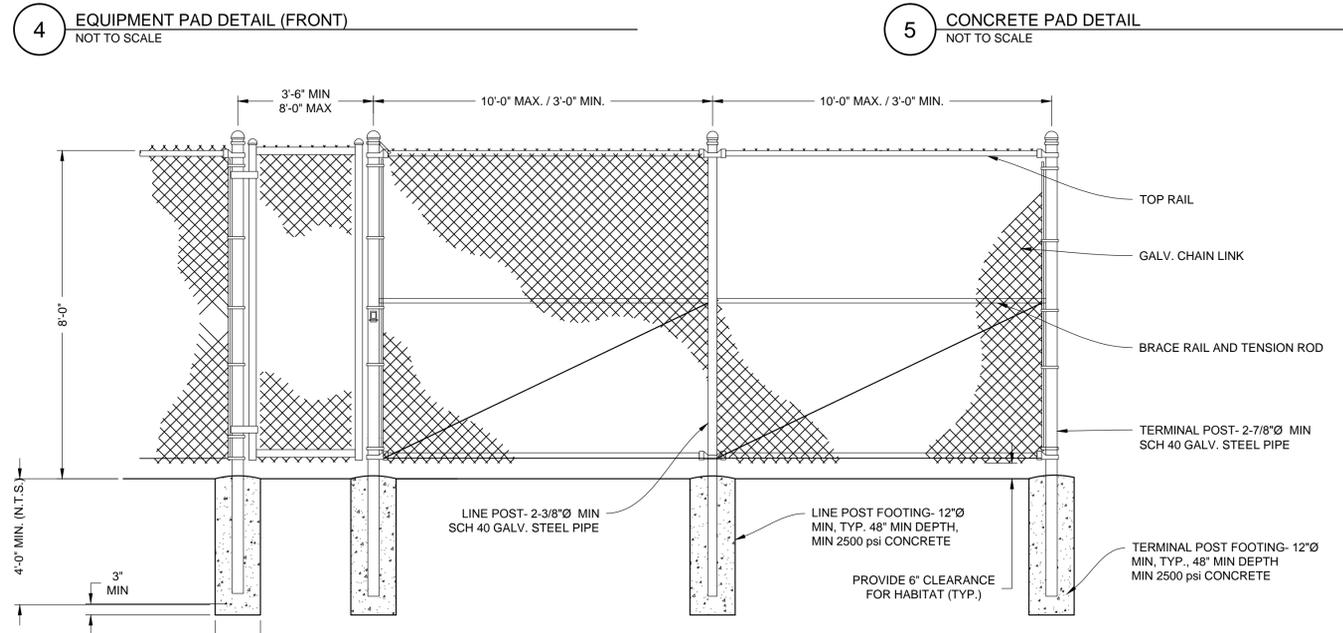
4 EQUIPMENT PAD DETAIL (FRONT)
NOT TO SCALE



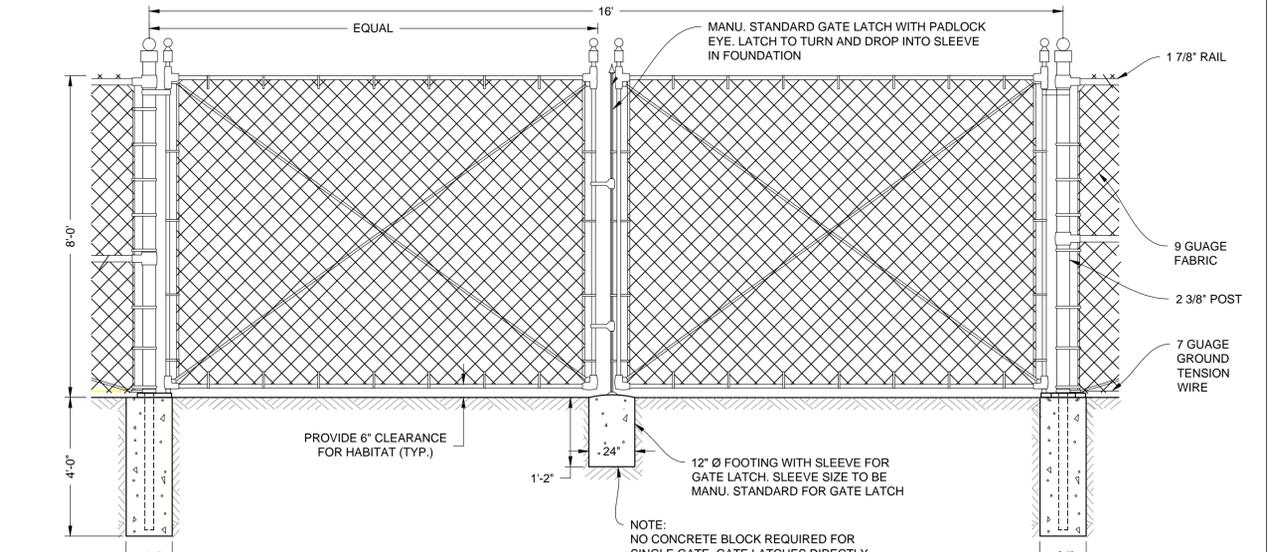
5 CONCRETE PAD DETAIL
NOT TO SCALE

FENCING REQUIREMENTS:

1. FENCE SHALL BE EIGHT (8) FOOT HIGH, ONE INCH MESH CHAIN LINK WITH LOCKING SIXTEEN (16) FOOT GATES THAT ENCOMPASSES THE ENTIRE SOLAR PV ARRAY.
2. FENCE SHALL BE INSTALLED TO ALLOW ACCESS AROUND THE ENTIRE ARRAY FOR O & M AND EMERGENCY VEHICLES.
3. FENCE SHALL MEET OR EXCEED THE CHAIN LINK FENCE MANUFACTURE INSTITUTE (CLFI) GUIDELINES AND COMPLY WITH THE AMERICAN STANDARDS AND TESTING MATERIALS (ASTM) AND RELATED FEDERAL SPECIFICATIONS FOR SECURITY CHAIN LINK FENCE MATERIALS AND INSTALLATION
4. MATERIAL FOR FENCE POSTS SHALL BE TYPE II ROUND POSTS COLD FORMED, HAVING MINIMUM YIELD STRENGTH OF 50,000 P.S.I.
5. LINE POSTS SHALL BE 2 3/8 INCHES OUTSIDE DIAMETER. CORNER POSTS AND TERMINAL POSTS SHALL BE 2 7/8" OUTSIDE DIAMETER.
6. POST BRACES SHALL BE PROVIDED AT EACH GATE, CORNER, PULL, AND END POSTS AND SHALL BE ROUND TUBULAR BRACE EXTENDING TO THE ADJACENT LINE FENCE POST AT MID HEIGHT OF THE FENCE FABRIC WITH A TRUSS ROD NOT LESS THAN 5/16" DIAMETER. EACH TRUSS ROD SHALL BE EQUIPPED WITH A TURNBUCKLE TO ACCOMMODATE ADJUSTMENT
7. RAILS SHALL BE INSTALLED ALONG THE TOP AND BOTTOM EDGES AND AT THE MID POINT.
8. THE BOTTOM OF THE FENCING AND RAILS SHALL BE HELD 6" MIN ABOVE THE GROUND SURFACE TO ALLOW FOR WILDLIFE MIGRATION



6 CHAIN LINK FENCE DETAIL
NOT TO SCALE

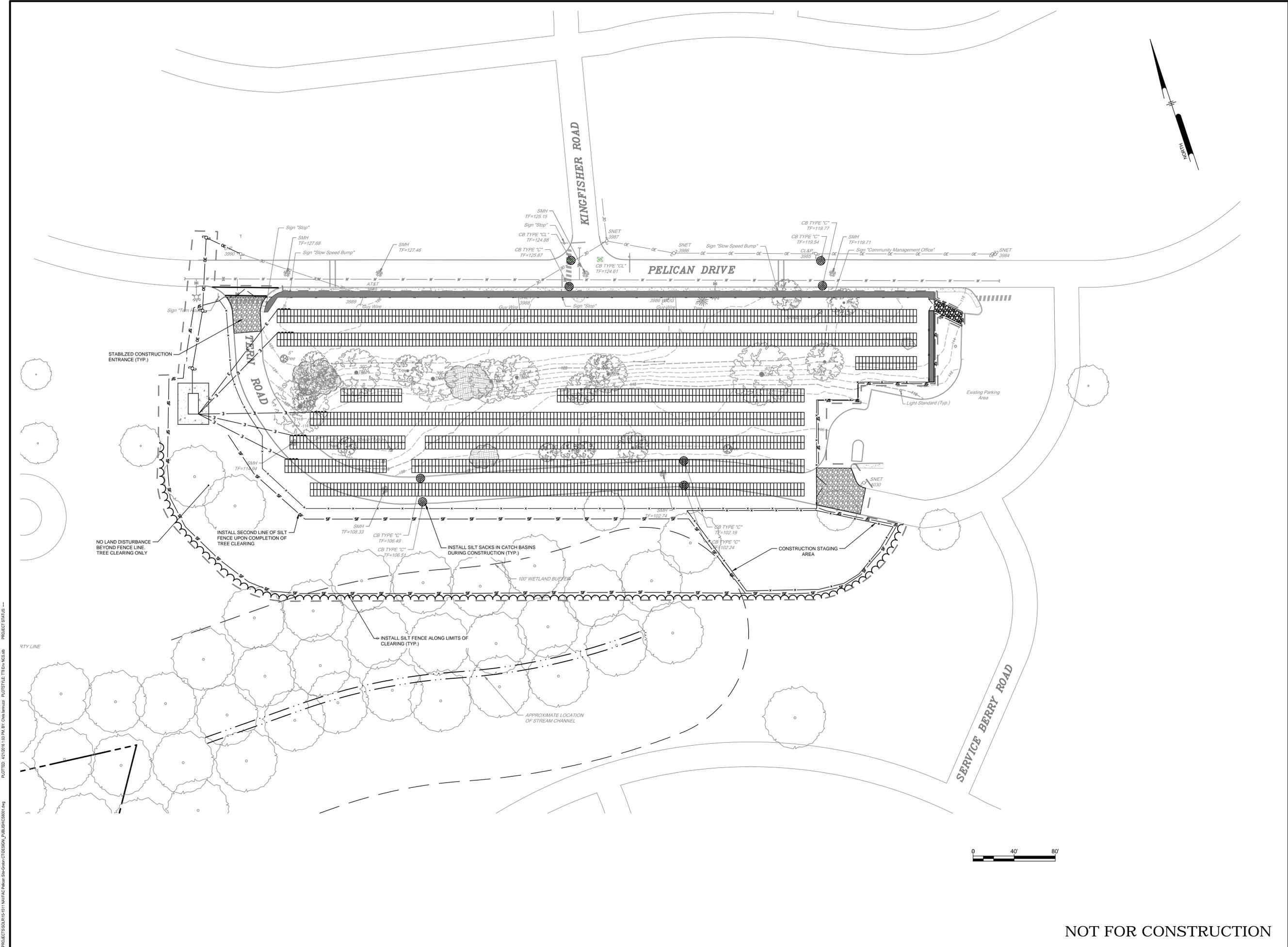


7 CHAIN LINK DOUBLE SWING GATE DETAIL
NOT TO SCALE

| NO. | DATE | REVISIONS | BY |
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ALL DOCUMENTS PREPARED BY PENNON ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNON ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNON ASSOCIATE. AND OWNER SHALL PROMPTLY AND HOLD HARMLESS PENNON ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

| | |
|---------------|------------|
| PROJECT | 15-1511 |
| DATE | 2016-04-29 |
| DRAWING SCALE | AS NOTED |
| DRAWN BY | CPH |
| APPROVED BY | BCO |



SOLAR PHOTOVOLTAIC (PV) SYSTEMS
 NAVAL SUBMARINE BASE NEW LONDON
 GROTON, CONNECTICUT
EROSION & SEDIMENTATION CONTROL PLAN
NAUTILUS PARK I
 SOLAR CITY CORPORATION
 3055 CLEARVIEW WAY
 SAN MATEO, CA 94402

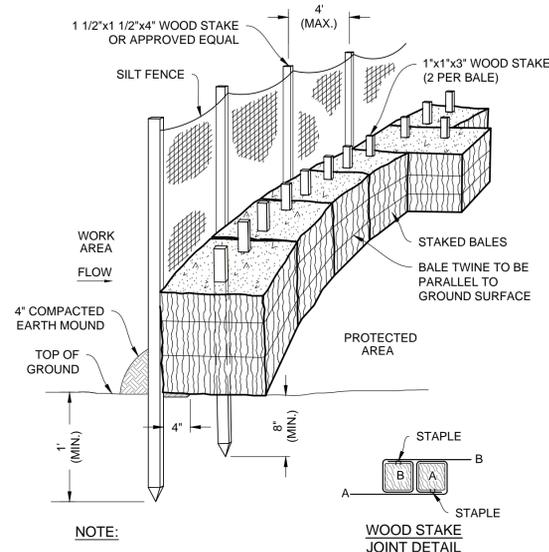
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ALL DOCUMENTS PREPARED BY TTI ENVIRONMENTAL ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY TTI ENVIRONMENTAL FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS' SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO TTI ENVIRONMENTAL AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS TTI ENVIRONMENTAL FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

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|---------------|------------|
| PROJECT | 15-1511 |
| DATE | 2016-04-29 |
| DRAWING SCALE | 1"=40' |
| DRAWN BY | CMJ |
| APPROVED BY | BCO |

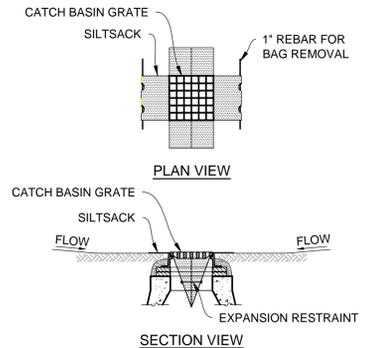
NOT FOR CONSTRUCTION

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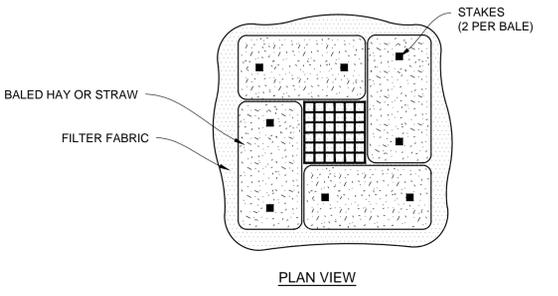
- NOTE:**
1. PLACE ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER (100' O.C.)

1 SILT FENCE / HAY BALE BARRIER
NOT TO SCALE



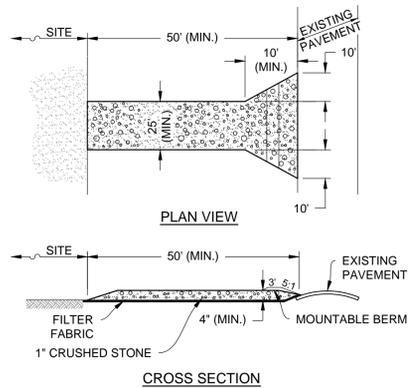
- NOTES:**
1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
 2. GRATE TO BE PLACED OVER SILTSACK.
 3. SILTSACK SHALL BE INSPECTED WEEKLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.
 4. SILTSACKS SHALL NOT BE INSTALLED WITHIN NORTH ST. AND WEBSTER ST. DURING THE WINTER MONTHS.

2 SILTSACK SEDIMENT TRAP
NOT TO SCALE



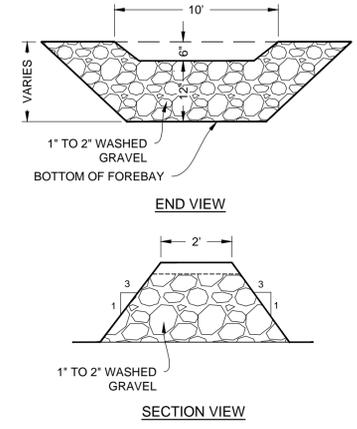
- NOTES:**
1. ENCLOSE STRUCTURE WITH HAYBALES IMMEDIATELY AFTER CATCH BASIN CONSTRUCTION. MAINTAIN UNTIL PAVING BINDER COURSE IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
 2. IF GRATE IS AGAINST EXISTING CURB THEN HAY BALES ARE TO BE PLACED AROUND THREE SIDES OF GRATE ONLY.
 3. GRATE TO BE PLACED OVER FILTER FABRIC.
 4. BALES SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

5 HAY BALE INLET PROTECTION
NOT TO SCALE



- NOTES:**
1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.

3 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



4 TEMPORARY CHECK DAM DETAIL
NOT TO SCALE

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SOLAR PHOTOVOLTAIC (PV) SYSTEMS
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT
EROSION & SEDIMENTATION CONTROL DETAILS
NAUTILUS PARK I
SOLAR CITY
3055 CLEARVIEW WAY
SAN MATEO, CA 94402

| NO. | DATE | REVISIONS | BY |
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| DRAWN BY | CPH |
| APPROVED BY | BCO |