Robinson+Cole

JONATHAN H. SCHAEFER

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Also admitted in Massachusetts and Vermont

Via Hand Delivery and Electronic Mail (siting.council@ct.gov)

October 19, 2022

Melanie A. Bachman, Esq. Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Re: PETITION NO. 1443A - SR North Stonington, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 9.9-megawatt AC solar photovoltaic electric generating facility on five parcels located north and south of Providence New London Turnpike (State Route 184), west of Boombridge Road and north of Interstate 95 in North Stonington, Connecticut, and associated electrical interconnection. Reopening of this petition based on changed conditions pursuant to Connecticut General Statutes §4-181a(b)

Dear Attorney Bachman:

SR North Stonington, LLC's (SRNS) hereby submits responses to the Connecticut Siting Council's (Council) Partial D&M Plan I Interrogatories 1 through 6 (Responses), issued on October 5, 2022 in connection with the above-referenced Petition.

Enclosed please find one (1) original and fifteen (15) copies of the Responses, including Attachments 1, 2, and 3. The copies of Attachments 2 and 3 are being provided on 11" x 17" paper. If the Council would like copies of these documents on larger paper, please let me know.

If you have any questions, please do not hesitate to contact me.

Singerely,

Annathan H Schaefer

Enclosures (One original and fifteen copies of Responses, including Attachments 1, 2, and 3)

STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

IN RE:

PETITION NO. 1443A

SR NORTH STONINGTON, LLC
DECLARATORY RULING, PURSUANT TO
CONNECTICUT GENERAL STATUTES §4176 AND §16-50K, FOR THE PROPOSED
CONSTRUCTION, MAINTENANCE AND
OPERATION OF A 9.9-MEGAWATT AC
SOLAR PHOTOVOLTAIC ELECTRIC
GENERATING FACILITY ON FIVE PARCELS
LOCATED NORTH AND SOUTH OF

GENERATING FACILITY ON FIVE PARCELS
LOCATED NORTH AND SOUTH OF
PROVIDENCE NEW LONDON TURNPIKE
(STATE ROUTE 184), WEST OF
BOOMBRIDGE ROAD AND NORTH OF

INTERSTATE 95 IN NORTH STONINGTON,
CONNECTICUT, AND ASSOCIATED
ELECTRICAL INTERCONNECTION.
REOPENING OF THIS PETITION BASED ON
CHANGED CONDITIONS PURSUANT TO

CONNECTICUT GENERAL STATUTES §4-

181A(B).

OCTOBER 19, 2022

RESPONSES OF SR NORTH STONINGTON, LLC TO CONNECTICUT SITING COUNCIL PARTIAL D&M PLAN INTERROGATORIES

On September 26, 2022, the Connecticut Siting Council ("Council") issued Partial D&M Plan (Phase 1) Interrogatories to SR North Stonington, LLC ("Petitioner"), relating to Petition No. 1443A. Below are Petitioner's responses to the interrogatories.

Question No. 1

Has the Department of Energy and Environmental Protection Stormwater Program issued a Stormwater Permit for the proposed site? If not, has there been any consultation with the DEEP Stormwater program to determine if site layout modifications are necessary to accommodate the proposed stormwater management system?

Response

The DEEP Stormwater Program issued a Stormwater Permit for the proposed site on October 5, 2022 (see Attachment 1). Since receiving the Stormwater Permit, the Petitioner has provided DEEP Stormwater Program with an updated version of the Site Civil Design plans and is awaiting DEEP Stormwater Program's confirmation that this updated version will be incorporated into the Stormwater Permit. The only changes reflected in this updated version related to notes on NDDB and environmental matters and no changes to the design or drawings were made. Based on discussions with the DEEP Stormwater Program, the Petitioner anticipates confirmation in short order that this updated version has been accepted. A copy of this updated version of the Site Civil Design is provided in Attachment 2.

Question No. 2

Have there been any consultation with the DEEP Stormwater program regarding the potential impacts of sheep grazing at the site, including, but not limited to, water quality impacts from animal waste? Would there be any required site layout modifications associated with stormwater design and/or hosting sheep at the site that would alter the proposed tree clearing plan?

Response

The Petitioner is not planning to introduce sheep grazing at the site until at least Spring 2024, approximately four to five months after construction is completed. Therefore, sheep will not be hosted at the site during the tree clearing. The Petitioner did mention the potential future introduction of sheep grazing at the site when consulting with the DEEP Stormwater program and no site layout modifications associated with stormwater design were identified.

Question No. 3

Page 2 of Partial Development and Management Plan (D&M Plan) I states that, "SNRS expects that CT DEEP will issue its Stormwater Permit imminently and will provide a copy of the approved permit prior to removing any tree stumps." Page 3 of Partial D&M Plan I notes that, "SRNS will submit a copy of the Stormwater Permit, to the Council prior to commencing any Phase I activities." Is it correct to say that no trees would be removed and no erosion and sedimentation (E&S) controls would be installed until after a Stormwater Permit has been submitted to the Council?

Response

Yes.

Question No. 4

Referencing page 4 of Partial D&M Plan I, please respond to the following:

- a) Provide details as to how site stabilization of disturbed areas will be determined prior to the beginning of construction.
- b) Define growing season. Has the DEEP Stormwater program established a growing season for this project? If yes, provide detail.

Response

a) The site will be stabilized by installing the construction entrance, tree protection fence, silt fence, and silt fence stone outlets as shown on plans, prior to any site disturbance activities (clearing, grubbing, grading, or excavation including skimmer/sediment basins). All field non-wooded areas that are not to be graded (i.e. fields) will be mowed to facilitate panel installation but will be otherwise left undisturbed to maintain existing drainage patterns where stable. Any severely eroded drainage ways will be graded back, roughened, matted, and seeded. Only the

number of trees needed to provide access to the site basins and diversion ditches to be constructed will be cleared. Once the structural measures have been constructed, the remaining clearing and grubbing of the site can take place. Temporary seeding will be completed after each area has been grubbed.

Any areas exceeding 8 vertical feet will be stabilized with synthetic or vegetated mats in addition to seeding. Once the site has been cleared, the remainder of the roads and culverts will be installed to each of the solar array areas. Following this, any required grading can then begin in the areas shown on the plans. Once an area has been graded, permanent seeding will be placed, including synthetic or vegetated matting for areas exceeding 8 vertical feet, and the site stabilized.

b) The Final Stabilization Inspection must occur at least two full growing seasons after final stabilization has been achieved. A full growing season is defined as the timeframe encompassed by two consecutive full seeding seasons: April 1 through June 15, and August 15 through October 1. If final stabilization is achieved during a seeding season, the following seeding season will be considered the first full seeding season after final stabilization has been achieved.

Question No. 5

Referencing page 3 of Partial D&M Plan I, E&S controls would be installed for the tree cutting areas of the Eastern Array. Would E&S controls also be installed for the tree cutting areas of the Western Array? Submit a site plan that details the type(s) of and location(s) of E&S controls that would be established for Partial D&M Plan I.

Response

Yes, the Petitioner now plans to install all E&S controls required by the Stormwater

Permit, as part of Partial D&M Plan I. This includes completing the following, which were originally listed as items c, d, and e for Partial D&M Plan II:

- site grading and fill within the Project area in preparation for construction and installation of the solar arrays;
- installation of temporary and permeant stormwater controls in accordance with plans approved by the DEEP Stormwater Bureau (and if applicable, consistent with DEEP Dam Safety Division permitting requirements) for proposed stormwater basins;
- the installation of additional SESC measures as required under a Stormwater Permit.

The updated revised Site Civil Design (see Attachment 2) details the types of and locations of all E&S controls.

Question No. 6

Would the Eastern Array be accessed from the existing farm access drive for Partial D&M Plan I work? What upgrades, if any, would occur to the existing farm access drive to facilitate Western Array Partial D&M Plan I activities? Referencing page 3 of the Partial D&M Plan I, describe the installation of the Western Array driveway entrance off of Route 184.

Response

Yes, access to the Eastern Array would use the existing farm access drive from Boombridge Road. No farm access drive currently exists to the Western Array. Assuming the reference was intended to be to the Eastern Array, no upgrades to this access drive will be necessary for the Partial D&M Plan I activities.

The Petitioner intends to install and construct the Western Array driveway entrance off of Route 184 consistent with the plans Petitioner submitted to the Connecticut Department of Transportation (CTDOT) on September 8, 2022 for an Encroachment Permit. The submitted plans include the updated revised Site Civil Design (see Attachment 2) and the Encroachment Permit Exhibit (see Attachment 3). Pending CTDOT's review of these plans, and any comments, the Petitioner will submit a complete Encroachment Permit Application for installation and construction of the Western Array driveway entrance off of Route 184.

CERTIFICATE OF SERVICE

I hereby certify that on the 19th day of October, 2022, a copy of the foregoing was sent, via electronic mail, to:

Robert A. Avena, Esq. Suisman Shapiro 20 South Anguilla Road P.O. Box 1445 Pawcatuck, CT 06379 RAvena@sswbgg.com

Nathan Reichert North Stonington Planning, Development & Zoning Official 40 Main Street North Stonington, CT 06359 nreichert@northstonington.com

Jonathan H. Schaefe

Jametha H Shafe

ATTACHMENT 1



79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

NOTICE OF PERMIT AUTHORIZATION

Date:

10/5/22

ATTN:

Dee Koehler, Project Director

Mailing Address:

North Stonington, LLC, c/o Silicon Ranch

222 Second Ave S, Suite 1900

Nashville, TN 37201

Site Information:

SR North Stonington

428 Providence New London Tpke

North Stonington, CT 06359

RE:

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

Activities

Permit No. GSN003815, issued to North Stonington, LLC

Application No. 202205795

Dear Ms. Koehler:

The Department of Energy and Environmental Protection, Water Permitting and Enforcement Division of the Bureau of Materials Management and Compliance Assurance, has completed the review of the North Stonington, LLC (located at 428 Providence New London Tpke) registration for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 12/31/2020 (general permit). The project is compliant with the requirements of the general permit and the discharge(s) associated with this project is (are) authorized to commence as of the date of this letter. Permit No. GSN003815 has been assigned to authorize the stormwater discharge(s) from this project.

Should you have any questions about this letter or any other question concerning the general permit, please feel free to contact Christopher Stone, P.E. at 860-424-3850 or chris.stone@ct.gov.

Sincerely,
Karen L. Allen, PE
Supervising Sanitary Engineer
Water Permitting and Enforcement Division
Bureau of Materials Management and Compliance Assurance

ATTACHMENT 2







SCALE: 1"=1000"

CONTACT INFORMATION
OWNER SILICON RANCH CORPORATI
222 2ND AVE S, SUITE 1900
NASHVII LE TN 37201

CONTACT: PETER CANDELARIA BRENDAN, JULIAN@SILICONRANCH.CO ENGINEER: HDR ENGINEERING, IN 4645 VILLAGE SQUARE DRIVE PADUCAH, KY 42001-7448

CONTACT: MATTHEW BRAWLEY, P MATTHEW, BRAWLEY@HDRING CO Contract Drawings For

SR NORTH STONINGTON, LLC

North Stonington Solar

Site Civil Design

41° 25' 58" N, 71° 49' 7" W

HDR Project No. 10243352

North Stonington, Connecticut
ISSUED FOR PERMIT
9/30/2020 PROGRESS SET (Not for Construction)
02/19/2021 REVISION 1 (Not for Construction)
05/28/2021 REVISION 2 (Not for Construction)
06/25/2021 REVISION 3 (Not for Construction)
11/19/2021 REVISION 4 (Not for Construction)
04/22/2022 REVISION 5 (Not for Construction)
09/02/2022 REVISION 6 (Not for Construction)
10/05/2022 REVISION 7 (Not for Construction)
10/18/2022 REVISION 8 (Not for Construction)

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C-602	SITE PLAN DETAILS
0.700	CITE DETAILS



GENERAL DEMOLITION NOTES:

- ALL MATERIAL PRODUCED AS A RESULT OF DEMOLITION TO BE DISPOSED OF OFFSITE IN COMPLIANCE WITH ALL STATE, FEDERAL AND LOCAL ENVIRONMENTAL REGULATIONS.
- CONTRACTOR TO FIELD VERIFY ALL UTILITIES BEFORE START OF DEMOLITION AND PROTECT AS REQUIRED TO COMPLETE DEMOLITION ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DEMOLITION OR RELOCATION WITH APPLICABLE UTILITY COMPANIES: GAS, CABLE, POWER, TELEPHONE WATER, SEWER, ETC.
- 4. CONTRACTOR TO INSTALL ALL PERIMETER EROSION CONTROLS PRIOR TO COMMENCEMENT OF DEMOLITION.
- 5. SAW CUT EXISTING ASPHALT TO CLEAN EDGE
- DEMOLITION OF FENCING SHALL BE COMPLETED WITH OWNER APPROVAL TEMPORARY FENCING AND SECURITY FENCING WILL BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THING AND REQUIREMENTS OF ALL FENCING ESTABLISHMENT TO ENSURE SITE TEMPORARY WAY FINDING IS UP TO DATE PRIOR TO ACCESS CLOSURES. IF PERIMETER FENCING EXISTS AND IS INTACT, CONTRACTOR TO PRESERVE AS POSSIBLE.
- 7. ALL UTILITIES SHALL BE DEMOLISHED TO NEAREST JOINT WHERE FEASIBLE. CONFIRM PROPER CONNECTIONS WITH ENGINEER IF PIPING MATERIALS ARE TO BE CUT AND JOINED.
- 8. DEMOLITION OR REPOUTE OF EXISTING UTILITIES TO REMAIN SHALL ALLOW FOR CONTINUOUS USE OF THE SYSTEM(S), CONTRACTOR SHOULD PRESERVE EXISTING WATER SERVICE (IE. WATER TAP OR WELL) AND INSTALL BURIED HOPE PIPE AND FROST FREE HYDRANT DIRECTLY INSIDE MAIN ENTRY GATE.
- CONTRACTOR, PRIOR TO DEMOLITION, SHALL WALK THE SITE WITH THE OWNER AND SPECIFICALLY NOTE ITEMS THAT SHALL BE REMOVED AND HANDED OVER TO THE OWNER.

SEEDBED PREPARATION NOTES:

- 1.1 SURFACE WATER CONTROL MEASURES TO BE INSTALLED ACCORDING TO PLAN.
- 2. AREAS TO BE SEEDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL 3" DEEP, TOTAL SEEDBED PREPARED DEPTH SHALL BE 4" TO 6" DEEP.
- 3. LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND MAINTENANCE OF VEGETATION. SURFACE FOR FINAL SEEDBED PREPARATION AT FINISHED GRADES SHOWN SHALL BE REASONABLY SMOOTH AND UNIFORM.
- SOIL TESTS SHOULD BE TAKEN, AND AMENDMENTS SHOULD BE APPLIED PER SOIL TEST RECOMMENDATIONS.
- LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING BEEDBED PREPARATION.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDING ON FIELD CONDITIONS.
- 7, MULCH TO BE TACKED OR MECHANICALLY TIED DOWN WITHIN TWO DAYS AFTER MULCH IS SPREAD.
- 8. ALL SLOPES GREATER THAN 2,5:1 SHALL BE STABILIZED WITH JUTE MESH.

EROSION CONTROL NOTES:

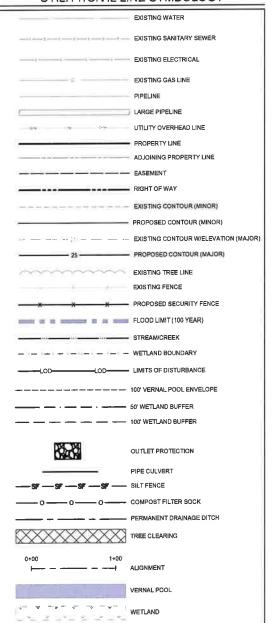
- ALL EROSION CONTROL MEASURES SHALL BE IN STRICT ACCORDANCE WITH CONNECTICUT EROSION AND SEDIMENT CONTROL STANDARDS.
- 2. NO ON-SITE BURIAL PITS ARE ALLOWED.
- 3 ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF CONNECTICUT EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FIRE
- 4. GRADING MORE THAN HALF ACRE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE STATE.
- 5. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLAN.
- 6. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED DUE TO FIELD CONDITIONS OR AS DIRECTED BY THE CT DEEP INSPECTOR.
- 7. SLOPES SHALL BE GRADED NO STEEPER THAN 3:1.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
- THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN
 THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER
 ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES.
- 10. ALL MATERIALS REQUIRED FOR CONSTRUCTION OF SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE AVAILABLE ON SITE BEFORE ANY LAND-DISTURBING ACTIVITY IS BEGUN
- 11), LINEAR TREE PROTECTION SHALL BE ORANGE SAFETY FENCE 3' HIGH. TO PROVIDE ADDITIONAL WORKING ROOM, CONTRACTOR MAY COORDINATE WITH THE INSPECTOR TO UTILIZE COMBINATION SILT FENCE WITH ORANGE STRIP ON TOP.

TEM UNIT QUANTITY					
ITEM		QUANTITY			
LIMITS OF DISTURBANCE	ACRES	35.0			
PROPERTY AREA	ACRES	125			
ROADS	LF	3711			
PERIMETER FENCE	LF	7058			
SWING GATES	EA	2			
BAR GATES	EA	1			
TREE REMOVAL	ACRES	36.0			
CUT VOLUME	CY	30761			
FILL VOLUME*	CY	7899			

GENERAL NOTES:

- 1. PROVIDE SILT FENCE AROUND PERIMETER OF ALL STOCKPILES, STABILIZE IMMEDIATELY UPON ESTABLISHMENT OF PILE.
- GRADING CONTRACTOR SHALL CHECK! IDENTIFY FOR ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING THE CLEARING! GRADING.
- 3. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED DAILY, ALL TEMPORARY SEDIMENT BASINS SHALL BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER. THE TEMPORARY SEDIMENT BASINS SHALL BE CLEANED OUT WHEN THE SEDIMENT REACHES 1/2 OF THE SEDIMENT STORAGE CAPACITY. SILT FENCE SHALL BE CLEANED FROM SEDIMENT WHEN THE SEDIMENT LEVEL IS HALF WAY UP THE SILT FENCE FABRIC.
- 4... THE CONSTRUCTION ENTRANCE MAY REQUIRE ADDITIONAL STONE TO PREVENT TRACKING.
- THE GRADING CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING ANY TRACKING OF SEDIMENT ONTO PAVED ROAD AS SOON AS POSSIBLE, BUT REFORE THE FUN OF THE WORK DAY.
- 6. ALL DEBRIS STOCK PILES SHALL BE REMOVED AND PROPERLY DISPOSED OF IN A LEGAL LANDFILL (I.E. MULCH AND LOG PILES). CONTRACTOR SHALL COMPLY WITH ALL LOCAL ORDINANCES, SURROUNDING PROPERTIES AND COMMUNICATE WITH LOCAL FIRE DEPARTMENTS FOR THE BURNING OF ANY CLEARING DEBRIS.
- 7. BOUNDARY SURVEY FOR THE SITE PROVIDED BY PROVOST & ROVERO, INC. FOR SURVEY COMPLETED ON 06/27/2018.
- GEOTECHNICAL INVESTIGATION PROVIDED BY TERRACON FOR SITE VISIT ON 06/06/2019.

UTILITY/CIVIL LINE SYMBOLOGY







NOT FOR CONSTRUCTION

NORTH STONINGTON SOLAR

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA LAT: 41.431830°N LON: 71.821514°W



NORTH STONINGTON, CT

REV. NO	DESCRIPTION	DATE
2	RE-ISSUED FOR PERMIT	05/28/21
3	RE-ISSUED FOR PERMIT	06/23/21
4	RE-ISSUED FOR PERMIT	11/19/21
5	RE-ISSUED FOR PERMIT	04/22/22
6	RE-ISSUED FOR PERMIT	09/02/22
7	RE-ISSUED FOR PERMIT	10/05/22
8	RE-ISSUED FOR PERMIT	10/18/22

SHEET TITLE:

CIVIL NOTES AND ABBREVIATIONS

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
DRAWN BY:	CHECKED BY:	SCALE:

ioaniio ito.

ENTAL NOTES — RESOURCE PROTECTION MEASURES

ETLAND, VERNAL POCI, AND RARE SPECIES PROTECTION PROGRAM

The proposed sider footility is booted prominets to sensitive hisblatic behaling wellind resource errors, several protes, and rare species, and or result, the following protective measures shall be followed to help coded degradations of membry selfond/enterconverse, coder behalinds beyond to served poor indicators.

in oddition, Eastern Box Turbs (Terropens corollect corollect), Spotted Turbs (Clemmyre guttafa), Ribbonendes (Thermophile sourita), Smooth Green Souke (Optivedrya memola), Red Bot (Leshrus bonesia), Hoary Bot (Leshrus solvenses), and Streephan Terrosen (Artibito Impression), of State Special Concern species effertied profession under the Common topic Specials Act, and shown to common or presently to the proposed foolity. These rows speciale protection resources are shiften in protection researces providuoly operand by the Connection Department of Cherry and Environment (TUDD') Middle Division and other shiften projects. Details of protection measures to be implemented in consolicitor with construction and meditaments of the facility or professional below.

For the solar facility's solatern array, a 12-hot wide accesse the would extend from Scornbridge Road first starting claim; an easieting dist road where on easieting will not covered with repleasament of a 36-hoth RO Will on appen-bottom onto claim or county (Culvert C-4) resulting in 2240 agonar heat of direct welland trapost. The access road these continues along the property houndary of the sealedge dirt road and crossess through a formstall external extends of the continues along the property achieves or country of the continues of the control of a 2,002 equal field controlled and the controlled of a controlled on the U.S. Army Corpor of Explainers these monogenests.

The solidies, a pertion of the procosed sales facility utility informations between the asstern and sealest modulas resolves ownessed utilities through Welstod E resulting its release personnel used temporary selected imposits. Personnel velocal repeate of £200 cours feet to escended with the interception of one direct thory secoled distribution pole and temporary usefund imposits of £2,000 aspares feet all result from source must helication to occess the distribution pole and removed utility from work areas and according highest of £4,000 aspares feet from the following work continued to the following sections shall be followed to the following sections shall be followed to help could degradation of velocities are detailed in the following ours contribute.

It is of the utmost importance that the Contractor compiles with the requirement for implementation of these protective measures and the education of its employees and absorbantees performing with an inserting protective measures and the implementation of inserting with an inserting protection measures and the implementation of inserting measures should be implemented during past compiletion measures should be implemented during past compiletion measures should be implemented during past compiletion movement particle (early serving leasting (Sparts) into the Use (1973) and this seamons—departed (Ay) 19th 16 September 1990, 19th construction convert be considered during three periods. The rare species protection immerses within this plot shall be implemented to unconstrouce with the plant relation before the reddiction of reddiction dependent of the Use of the Additional Sparts of reddictions and the reddiction of reddiction of the red

Details of implementation measures to protect these various sensitive resources during construction and maintenance of the soin featility are privided below. The rare species protection measures within the plor while is implemented to occurrance with the plant delate above for individual species.

All-Publis Technology Corporation, P.O. ("APT") will serve as the Enforcemental Montter for this project to ensure that these protection measures are implementated property. APT will provide an education season for the Confrostore prior to the start of construction coloritation necessary sensitive vertical resources/versal pools resources and store species but, may be encountered. The Confrostore shall control them Control them all the start of only construction coloritations are started as a pre-construction materials. Mr. Customers does write the start of only construction coloritation control them colors are started as pre-construction materials. Mr. Customers does write to the start of only colors of colors.

This protection program constants of several components: education of all contractors and sub-contractors prior to initiation of sent on the after protective measures; periodic impaction of the construction replacet and, reporting.

. Combractor Education

- A Prior to work on site. The Contrastor shall oritand on adsorption assessment of the pre-construction meeting with AFT. This orientation and educational seasons will consist of an introductory meeting with AFT it amphicials to deviate members another of the project, the visiture seations, wrind pool and rurs species resources, and the respirament to differently follow the Projective Measures and described the Sections below. Histories will do be produced information responde to Mentification of other further, services, and common hepstellowed species that could be encountered. The meeting will further expinitation than one granular oritans of these species, the observed on read to destroy such orbinate and the read to follow the contrast of the species of the section of the Project Merchan', who will recode more between on the Project Merchan', who will recode more between the solid on the professional or hepotherisms.

- 4. The Contractor will designate a member of the cree on the Project Manifer to be responsible for the periodic Version for harpestelluria within the construction one adom numbers and for any ground distinctions ears. This hadded will receive more between fromth of the MFT on the Manifestion and protection of herpetotaxes in order to perform seesoe. Any harpestelluria deconvent would be translated acided the work zone in the general direction the arthrill work
- a. The Contractor will be provided with out phone and small contacts for APT personnel to immediately report any exocunture with any rare species. Exceptional poster materials will be provided by APT and displayed on the job sits to melation worker occurrence as the project progresses.
- 6. APT will doe post Coulor Styre throughout the project also for the stretten of the construction project providing critics of the emboursectury smallers nature of the work own, the potential for encountering control amphibitions and repitate and precouplings to be staten to used higher to a mortality of these selection.
- g. If any rare aparties are encountered, the Contractor shall immediately assume all early, avoid any disturbance to the excellent and contact APT.

Laudetten Measures & Sedimentation and Erosian Contrals

- a Roello netting used in a variety of evalen control products (i.e., evalen control bionists, filter rule [settles], referenced sit fence) has been found to entangle elidiffs, intuiting repties, emphibities, britis, and smill amminds, but profutually wides. No perminent evalent control products or reinforced sit fence will be used on the project. Temporary evalent control products and of their rules completed of processes filters mechanically bound templete to fence and opening on the property of the profuture over notating temporals of priors overn notating biologistic filters.
- health reven notions accomprotoses the revenient to the revenient where the revenient course is a health state of a section and the revenient course of a constitute of a borrier to possible inspecting/depending burdles, shall be performed by the Controllector believing desting calculation and one of the course of the cours
- Exclusionary feating shall be at least 20 inches tall and must be secured to and remain is contact with the ground and he regularly mointained by the contractor (at least hi-weakly and other maybe weekler events) to secure any appe or openings at ground least that may let unlimit poss brough.
- salmid pose through.

 In the Controller is removable for day impactions of the softmentation and enterior controls for team or breaches and occumulation leads of settlenet, perfacionly following states and followers are there are breaches and occumulations and settlenets and settlenets are settlenets and settlenets and settlenets are settlenets. The Controller shall need to describe a describe and settlenets and settlenets

- g. No equipment, vehicles or construction moterate shall be stored outside of the sedimentation and evaluan controls within 100 feet of restands or votercourses.
- h. At sectmentation and erosion controls shall be removed within 30 days of completion of work and permanent statistication of sits sole so that reptile and completion movement between undants and verticate is not restricted.

- 3. Petroleum Materials Storage and Spill Prevention
- b. Certain precessions are necessary to store patroleum moterials, return and contain and properly sisms up any indiversent fuel or petroleum (i.e., all, hydraufic fluid, etc.) apill to avoid possible broaded to newby restauration.
- a. Silbon Routh Corporation has developed and will others to a Spill Prevention Control and Conferencessors (IPCC) Fins for this project as per the registerents of 40 CFM 112. Please rate to be 39°CO for specific recyloraments. Boals requirements for performance make the storage and apill prevention are provided below. In the event, these back requirements controded the 30°CC, the Controller shall reju respectively.
- d. A spill containment bit consisting of a sufficient apply of obserbent pole and obserbent material will be maintained by the Controctor of the construction sits broughout the duration of the project, in addition, a reside down the legal or sits to contain any used deachest post/inclusive for proper and threly disposed off sits in occardance with applicable lood, sists, and federal loss.
- L Petroleum and Hasandous Materials Starage and Refusing
- Any fuel or hospitate moterials that must be kept an afte shall be atomic on an impervious auritoc utilizing secondary containment a minimum of 100 feet from wellands or subgroups.
- 3. The contractor shall inspect all equipment at the beginning and and of each day for any fuel or hydraulic leaks and if discovered shall take immediate stape to make repairs and deen up any discharges as doubled in the following sections.
- II, initial Spill Response Procedures
- 1. Stop operations and shut off equipment.
- J. Contain the source of the spill.
- 5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby entersors or wellands.
- 6. Discurs that follow workers are notified of the spill.
- IL Spill Clean Up & Containment
- Obtain spill response materials from the on-sits spill response lett. Place obserbent materials directly on the releque area.
- 2. Limit the spread of the spill by plooting obserbent materials around the perimeter of the spill. Lisolate and aliminate the soll source.
- 4. Contest the appropriate local, state and/or federal agencies, as necessary.
- 5. Contact a disposal company to properly dispose of contemprated materials in occordance with all local, whole, and federal regulations.
- lv. Reporting 1. Complete on Incident report.
- Submit a completed incident report to the Connecticut Siting Council, and other applicable local, state, and federal officials.
- 4. Herbidale, Peetlaide and Salt Restrictions
- a. The same of included and positionists of the frostly shall be maintained. The event harbidists and projection and the facility facility, it is maked in incomposant of introduce produce that holded enhancement dreams, their use will be used in coordaines with integrated Peat Monogenetic UNIV 3 principles with pretable relativistic in minimizing explanations within 100 hast of wedard or worknowner resources. No applications of harbidides are pretables are offered within control wedded or worknowner resources.
- b. Maintanance of the facility during the winter months shall not include the application of exit or similar products for mething since or los.
- 5. Welfand Crossings, Culvert C-3 & C-4 Installation, Utility Interconnection & Restaration
- a. The Cartroctor wholl contact AFT or minimum of 5 business days prior to only construction outlities cascolated with this two vertical crossings (both access and overhead utility crossings) is order to monitor construction outsides in and ediporatit to writtenias and extensiones and in particular the projects two direct watered inspect cross and in particular the projects two direct watered inspect cross. Inplicating on minimal 38" RFC Obsert dating on easility, access off Boom Britisp Read with proposed gash bottom carb Culture Co-4 and installation of new gash bottom carb Culture Co-4.
- b. Installation of the open-bottom orth rulewise (Culverta C-1.4 C-4) shot conform to the project also plans and casociated details allowing for sight field odjustments based on salating electrions within the vestions/soferourse peterns to ensure that the creaming and culverta will not impose or coveredly impact convergence of adding surface flows
- c. Culverte C-3 & C-4 shall match existing writing gradient (slope) and channel profiles.
- d. The existing wetland substrates at Culterts C-3 & C-4 shall be preserved and restared as necessary with these open-bottom cultert installations.
- a. Any exposed/deburbed welfand solls resulting from any of the welfand/wollsnourse crossing authorities shall be seeded with o New England Wet Seed Mit (New England Welfand Fronts, Inc., or approved sepatheens) of the manufacturers recommended seed for the Side slopes at the two velicinal crossings shall be seeded with a New England Conservation/Relified Seed Mit (New England Welfand Florist, but, or approved seathefully of the manufacturers recommended seed not. Match seeded stone with non-some natural fiber arreadon control behalf or 2 to 3 Indian of does not much on appropriate.
- Seramp mote shall be used during the installation of the utility interconnections line within wintered E. These devices shall be kept free of tracked ascements.
- g. A examp mat bridge shall be constructed over the intermittent extensionse located interfer to William E to good distantance to the extensions or its banks.
- h. Trace decred to facilitate the installation of examp mots occuss Westend E for the utility hisroconvection shall have the sturngs left in piece (no guitable) or sturng restored shall occur; I to minimize westend acal disturbance and alice for natural revegetation post removal of the motifys.
- Any soil exercised from the utility pole installation in Welland E shall be placed on the security matting and removed from sectional areas and spread/etablised within upland areas or removed off sits.
-). Mosting used to access the utility interconnection work shall be remined immediately often completion of all work. Any exposed soles/defurshed creas resulting from motiting coth/files shall be seaded with a new England wet seed min (liver England Methand Florish, Inc., or approved equivalent) of the manufacturers recommended seed rate. Mulch disturbed settland cross to foliosing seeding with 2 to 3 inches of client streem mulch.

- c. A thorough cover search of the construction area will be performed by APT's Enforcemental sizedize for harpestableaus (amphibians and registed) prior to and following behindred or the after a construction of the after a construction and contributes. Any harpestableaus discovered would be conveniently transferred contributes and the contributes of the contributes and the contributes are in the general direction: the ordinate was detailed. Periodic bespections will be performed by APT's Enrichmental Member Structures.
- b. Any elementar management features, rute or critical depressions that could hald extensive the could hald extensive the could be considered that the could be considered by a site steaming/construction critical will be presently stabilized with reportion to order the could be c

7. Turtle Protection Measures - Construction Phone

- a. Prior to construction and following installation of isolation barriers, the construction area will be sweet by AFT and any furties sociaring within the work area will be relocated to suitable health suitable and the suitable health suitable suitable and the suitable health suitable suitable
- b. Prior to the start of construction again day, the contractor shall search the entire work area for turbles.
- c. If a turtle is found during the active period, it shall be immediately moved, scharmed, by being correlaty grasped in both hands, one on each size of the shall, between the burtu's freelinds and the high drines, and placed just autistic of the selection burture?—In the same operametric skretche it, was haddle. These animals are protected by law and so turties should be relaceded from the property.
- d. Special core shall be taken by the contractor during early morning and evening hours so that

possible basising or foreigng burtless are not harmed by construction artificial.

f. No heavy maghinery or vehicles may be parted in any turbs habitat.

- a. The contractor shall be perticularly diligent during the manths of bloy and June when burtles are activity electing nesting sites which results in an increase in turtle movement activity.
- g. Avoid and limit any explainment use within 100 feet of writinals and no heavy machinery or vehicles may be parted in any turble habitat or within 100 feet of writinals.
- h. Special precautions must be taken to credit degradation of settand habitate, particularly along an personal stream reeries contiders.
- Litering cathible are recommended to occur during the Eastern Box Turtle cathin period (Acrt 15th brough October 15th). If possible, with the understanding that the tree deeming restriction for the little bot speckes of August 15th Horsays Acrt 35th Islams procedured.
- j. It shearing outbillies are subselved to commence during the inactive season for Costem Box Turines (appress, October 15th though April 15th), these seeson must core prior to September 15th, in this case, inaction borriers would need to be bestelved prior to September 15th as that any further bound during the seeson could be placed outside of the project's limit of

- a. Installation of criticals plysocal cover boards measuring 2 fact sides x 4 fast large, covering a total area of 8 square feet/board. A total of 40 plysocal cover boards should be placed around the infect perinder of the exclusivery bearint. The placement of over boards, accipied by the Conflorator, will be performed by the Conflorator identities. Over boards should cover boards about the confloration bearing the confloration bearing to the confloration bearing the confloration of the confloration bearing the confloration of the confloration place of the project. All analises incurrent will be photographed, GPS located and placed just activities of the confloration place of the confloration place.
- b. The Contractor shall install enough construction funcing cround the construction side of such cover board to prevent unintentitiend stemage by construction equipment. The Comptions Mainten will install careful eighogs of seach cover board facultion.
- c literationing during the removed of any withling critirapogenic cover features (i.e., log piles, rook piles, etc.) aiready in the construction area set be performed by the Consplaince Moritor. All or anthropogenic cover features should be removed pit for log or construction actificials. Ideally these cover objects should be removed pit offer the piscement of the physical cover bords, horizonthing the Refishmed of landsee using the physical cover.
- 9. Turtie Protection Measures Facility Maintenance (Mowing Recommendations)
- a. Perform moving during the turble dormant period November 1⁶¹ through March 31⁶² when possible.
- b.If moving is required outside of the turtis dommant period, could moving during May 15th through August 30th when turtise may be located within the foolity (and every from terested habitor). If possible, understanding that some vegetation mointenance is necessary for operational and electrical artitly purposes.
- c. Vigoriation meintenance within the fenced solor facility may be accomplished through sheep grathy. Should that technique be used, moving neutricions would not apply, moving recommendations outside of the fenced facility would still apply.
- d. If moving is required during the turtle active measure (April 1st through October ${\bf 31}^{ab}$), moving should be performed as follows.
- L blooking style. Avoid field mover heads with guide bore that ride along the ground. Stake her movers will have the least impact if meeting every 1-5 years. In creas with more woody separation 31-2" demander (trentoeourus-style mover will finally have the least impact on turties.
- E. Mowing height: if moving during active season, retartion of moving stubble to 7-12 inches will reduce mortality, reduce block wear, and will leave important cover for chimds.
- B. Directionality: If moving during the active section is nacessary, start moving from the center of the field and use a book-rank-forth approach, or large charter pattern, to evold concentrated the parties of the parties of the parties of the field and the parties of the field and move that care that the parties of the field and move that are that when the care that the third are found in these areas and this pradder than for them to react to the moving activity and move out of the area.
- N. Mover Speech Moving in low gear or at alow speechs will affor turties to react and move out of the field.
- v. Un-moved Edge: Laoving on un-moved field edge in high turtie was creas until offer September 18th. 10. Rore Bats Sta Management Measures (Tree Clearing)
- c. The secting is restricted to occur only between August 18th through April 30th, during the bot's non-roseting period, when bots would not be present on the Sita.
- a. Most of the 2.36-core population of Silmaples threaters is located outside of the programs attain development area and therefore will be uneffected. A most portion of the population (2.547 square seed) is located eithib the lithin of clearing, but outside of many proposed grading. The fallowing measures are recommended to protect this area of the population;
- Gearing/outling of woody segelation as wall as competing histocenes segelation in and around the Simples threaden plants sende the besided but should be done during the dominal period autidia of the growing mason if possible.
- Prior to any work authition, hiskeling wegetation alearing, the population of Sitmaphe through the fragment by a qualified beloniet. If clearing activities occur during the greeking manters, any wegetation clearing text will be performed under the supervision of a qualified between the performed under the supervision of a qualified between the performed under the supervision of a qualified between the performance of the performance o
- 3. Light soil disturbance would also be beneficial (i.e., disturbance to the topsoil), but large-state grading or filling should be creded. 4. If possible, perimeter fending should not fragment the population of Silmspike threaten.
- a. A Compliance Monitoring Report (brief narretive and applicable photos) documenting each APT impaction will be assentiate by APT to the contractor and permittee for compliance verification. Any observations of rare species, wend post indicator species, without property of the prop
- In Following completion of the construction project, APT all provide a fined Compliance Menitoring Report to the committee documenting involvmentation of this settlend, wanted pools, and first special projection program, monoticrap and only special solvmentations. The permitties shall provide a copy of the Final Compliance Manitoring Report to the Connecticut Stiling Causal for completions were information.
- c. Any observations of now species will be reported to DEEP by APT on the appropriate speciel colored reporting form, with protein-decementation (if possible) and specific information on the location and dissociation of the milmat.

EARLY SUCCESSIONAL HABITAT DHANGENENT & RIVASIVE SPECES CONTROL FLAN

- EARLY SUCCESSIONAL MAINTAT DEMANCIABIT A INVARIA SPICES CONTROL. FLAM
 Looked moth of the proposed and facility is sarly exclassional hobbit resulting from a former sond
 and growed extraction cares that contains immately plant species, namely estame the (Casogram
 unfeelful) and multiform rose (fine multiform). The good of this way accessional hobbit
 selections of immately expected control plant is to larget selection removed at those except immatels
 solved as apport habitat first current expected in the former of the selection o
- All-Paints Technology Corporation, P.C. ("APT") will serve as the Environmental Monitor for this project to ensure that these protection measures are implemented properly. APT will provide on education season, for the Controctor prior to the start of construction cartifate on neithy seasons season. For the Controctor to the start of seasons are constructed and the control control
- This protection program consists of several components: education of all contractors and sub-contractors prior to initiation of serie on the etc; protective measures; periodic impaction of the construction or later of the construction or later of the construction or later of the construction.
- 1. General Early Successional Hobital Enhancement Notes
- c. The project biologist with expertise in Investre piont apacies identification and removal will supervise all investre enture members continues. Deem Gustateum, Senior Biologist with All-Points Technology Corp., P.C. and his saint, will serve to the Universametal Monitor. Mr. Questriam can be contracted of (800) 502—2033 or diguestate-indepoints action.
- 6. The primary method of target hreaders struke removed will consist of sturns out and application of an appropriate herbidde resulting in minimal and disturtance, if any, Therefore expectation of stabilities through application of a seed min is not anticipated and will be enabled. With the educing population of silvenghas threaders and palice will help in the carty accordance inhalter exhausment area there is conserve dood introduction of notice plants struke.

- application of seed mits which could potentially out compete these important plant populations
- d. To further enhance this serry successional habitat area during removal of invasive simulae, additional select notive trees and simulae shall be out to further promote the long-term witefally of this service accessional habitat.
- A. Nother trees and struce removed during this activity will be retained on sits and used to construct elicitis brush piece to further writtens the elicitis hadnest value of this area. Such retains brush piece will be incested in cross outside of eathing offenging three-sent and yellow stid intigo colories to avoid importing these important plants.
- The use of fertilizer and posticides in the early successional habitet enhancement rea is prohibited. Herbicide usage shall coaler on an necessary for the control of investor species, on
- c. A pre-construction meeting shall be held on alle between the Environmental Monitor and contractor performing all aspects of the heldest enhancement area join. The primary letters of the pre-construction meeting to discuss the goods of the confusion heldest enhancement plan, bacetone of rare plants to credit impact, implementation demonstra, and other required elements necessary to active the goods of this heldest enhancement plan. 2. Invasive Woody Shrube Control Plan
- c. Introdice woody struct species dominote portions of the proposed early successional habitet enhancement erws, in perficular autumn able and multiflor raws. These target breaks shulks shall be removed by hard using the following techniques are recommended by the Connecticut breaks Panel Marking Group's Investor Plant Monagement Guida.
- b. Target soody invasive shrules shall be treated with a cut-stump bedonent method. Invasive shrules will be not near the shump level and receive on application of trickage herbids (Renorate 3., Godon 4), or opposed sequi-shall, using a hand explorator to evold ownerproy which could impost normly State-Rated plents, within 15 minutes of cutting to ensure coverage of the entire combition.
- a invasive non-notive plant materials will be removed from the site and properly disposed of. 3. Herbicide Use Notes
- All federal, state and local regulations regarding herbidds use, applicator permit and positing requirement shall be followed.
- b. All herbicide applications shall be performed by a state liament individual.
- c. Certification, liammen and permits shall be provided to the Environmental Monitor by the liammed applicator prior to the start of work.
- d. All herbickies shall be missed with a dye approved by U.S. EPA for use as on herbickle adjuvant such as Turf Mark® spray indicator dye or equivalent.
- a. Only nonlonic surfactorite shall be added to the specified harbicides, as necessary.
- f. Application of harbiddes in spen water or in watereds containing standing water shall be avaided. If determined necessary, the licensed application shall secure of Permit Application for Use of Permitted in State Water from the Connectical Department of Energy & Environmental Protestion prior to such application.

- a. Monitoring of the early automational highlist enhancement area will be performed by the Environmental Mention both during target breaker shrub tractment and removal activities and for the first five growing secons following completion of the breaks which tractment.
- b. Following completion of the early successional healthst enhancement plor. APT will provide a report to Silton Rorch documenting implementation of this plon. Silton Rorch is responsible for providing a copy of the report to the Commentant Sting Council and DEEP Wildfile Division for complement werification.
- c. The early excessions habitat enhancement treatment one will be checked each year to swarer that no more than 20% of the surface orac is occupied by the target invaries shade species. If more than 20% is observed, the treatment procedure noted above will be implemented to continue to suppress readontaction of invalve shade.
- d. During such subsequent inspection performed during the fine-year monitaring period, APT will provide a report to Sittom Rando documenting the condition of the balance archivement area, in particular, any recurrence of target involve airub epicies and follow up tractiment collidings will be induced in the smaller monitaring report. Silliano Rando and provide a copy of soch caread incatoring report to the Connections Sillian Rando and provide a copy of soch complicious verification;
- a. APT will include any observations of rare species in the reports along with reporting to DEEP by APT on the appropriate species animal reporting form, with photo-documentation (if considered and smallfer information on the location and discountion of the online).





NOT FOR CONSTRUCTION

NORTH **STONINGTON** SOLAR

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA LAT: 41.431830°N



NORTH STONINGTON, CT

REV. NO	DESCRIPTION	DATE
2	RE-ISSUED FOR PERMIT	05/28/21
3	RE-ISSUED FOR PERMIT	06/23/21
4	RE-ISSUED FOR PERMIT	11/19/21
5	RE-ISSUED FOR PERMIT	04/22/22
6	RE-ISSUED FOR PERMIT	09/02/22
7	RE-ISSUED FOR PERMIT	10/05/22
8	RE-ISSUED FOR PERMIT	10/18/22

SHEET TITLE:

CIVIL NOTES AND **ABBREVIATIONS**

PROJ MCR PROLI FNGR MB CHECKED BY: 10/18/2022 SCALE: DRAWING NO



EXISTING WATER
EXISTING SANITARY SEWER
EXISTING ELECTRICAL
EXISTING GAS LINE
PIPELINE
LARGE PIPELINE
UTILITY OVERHEAD LINE
PROPERTY LINE

PROPOSED CONTOUR (MINOR)
EXISTING CONTOUR (MAJOR)
PROPOSED CONTOUR (MAJOR
EXISTING TREE LINE
EXISTING FENCE
PROPOSED SECURITY FENCE

EASEMENT RIGHT OF WAY

WETLAND

LIMITS OF DISTURBANCE 100' VERNAL POOL ENVELOPE 50' WETLAND BUFFER

100' WETLAND BUFFER

COMPOST FILTER SOCK
PERMANENT DRAINAGE DITCH
TREE CLEARING

VERNAL POOL

WETLAND





NOT FOR CONSTRUCTION

NORTH STONINGTON SOLAR

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA LAT: 41,431830°N LON: 71.821514°W



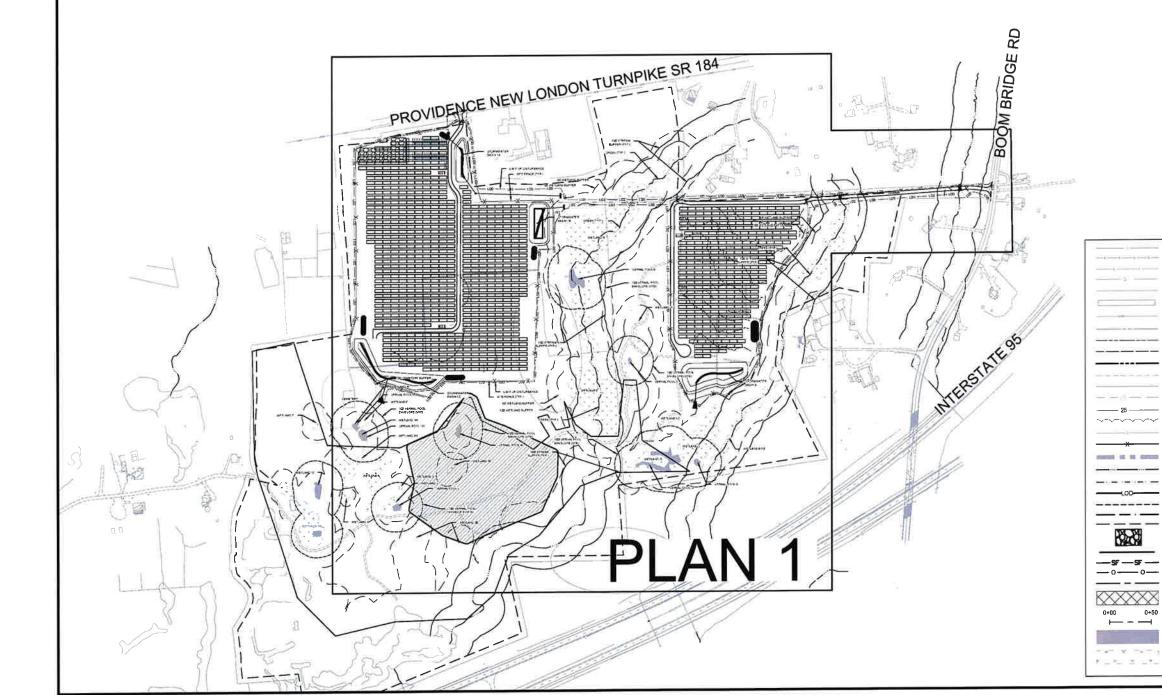
NORTH STONINGTON, CT

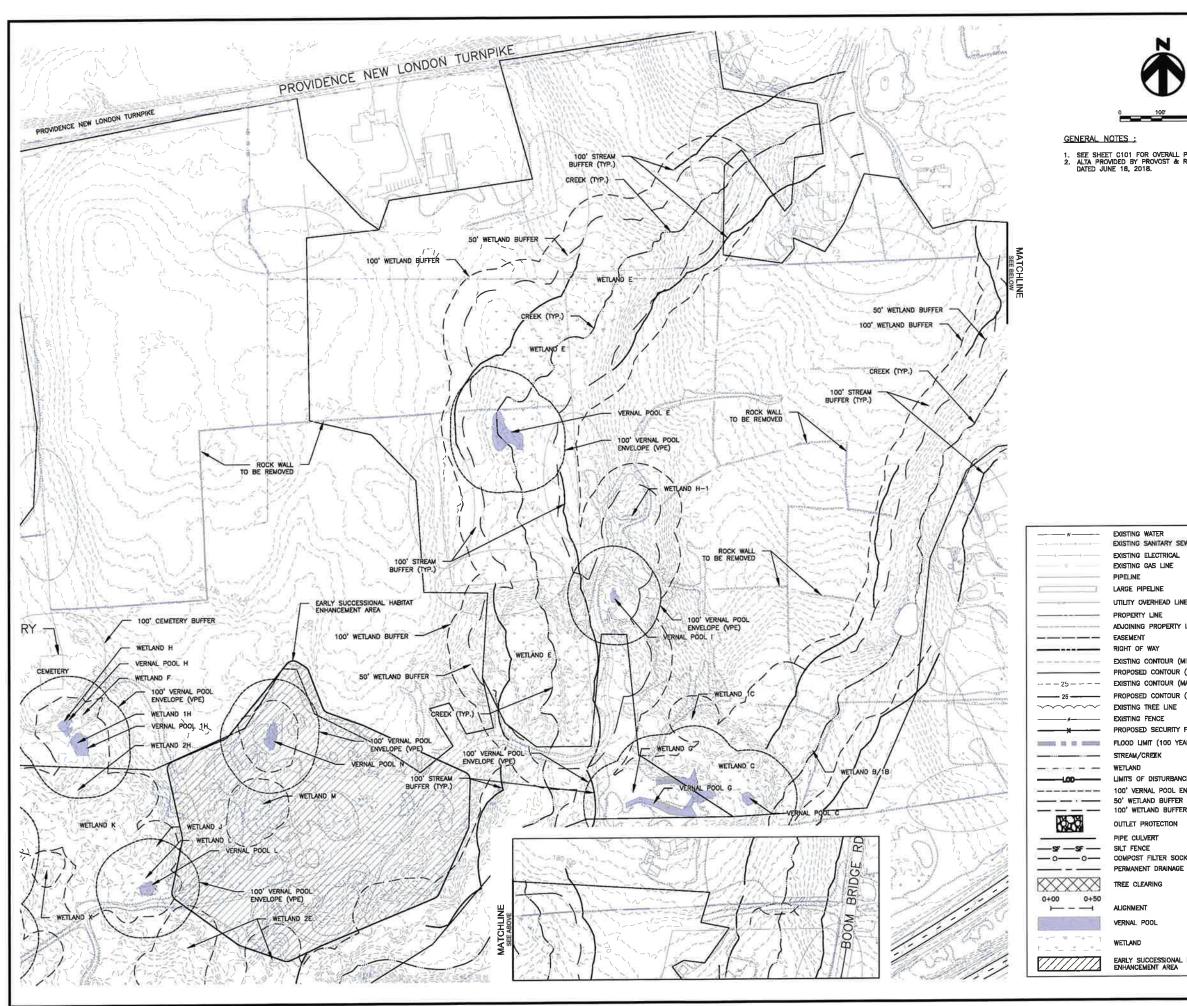
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8	RE-ISSUED FOR PERMIT	10/18/22

SHEET TITLE:

OVERALL SITE PLAN

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
DRAWN BY:	CHECKED BY:	SCALE:
JP	CP	1:200







GENERAL NOTES :

SEE SHEET C101 FOR OVERALL PLAN.
 ALTA PROVIDED BY PROVOST & ROVERO, INC DATED JUNE 18, 2018.

EXISTING WATER

EXISTING SANITARY SEWER EXISTING ELECTRICAL EXISTING GAS LINE PIPELINE LARGE PIPELINE

UTILITY OVERHEAD LINE PROPERTY LINE

ADJOINING PROPERTY LINE

EXISTING CONTOUR (MINOR)

PROPOSED CONTOUR (MINOR)

PROPOSED CONTOUR (MAJOR EXISTING TREE LINE PROPOSED SECURITY FENCE

100' VERNAL POOL ENVELOPE

100' WETLAND BUFFER

COMPOST FILTER SOCK PERMANENT DRAINAGE DITCH

EARLY SUCCESSIONAL HABITAT ENHANCEMENT AREA

STREAM/CREEK

WETLAND LIMITS OF DISTURBANCE

SILT FENCE

TREE CLEARING

ALIGNMENT

WETLAND





NOT FOR CONSTRUCTION

NORTH **STONINGTON SOLAR**

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA

LAT: 41.431830°N LON: 71.821514°W

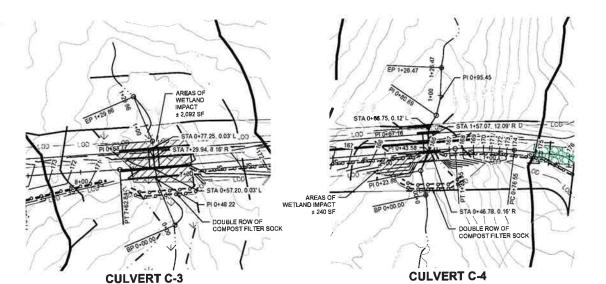


NORTH STONINGTON, CT

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RE-ISSUED FOR PERMIT	10/05/22
RE-ISSUED FOR PERMIT	09/02/22
RE-ISSUED FOR PERMIT	04/22/22
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RE-ISSUED FOR PERMIT	06/23/21
RE-ISSUED FOR PERMIT	05/28/21
DESCRIPTION	DATE
	RE-ISSUED FOR PERMIT

EXISTING CONDITIONS PLAN 1

PROJ. MGR. CM	PROJ. ENGR. MB	10/18/2022
DRAWN BY:	CHECKED BY: CP	SCALE: 1:100
DELANGING NO		





REFER TO GRADING AND DRAINAGE PLAN ON SHEET C401 FOR CULVERT LOCATIONS.





NOT FOR CONSTRUCTION

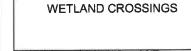
NORTH STONINGTON SOLAR

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA LAT: 41.431830°N LON: 71.821514°W



NORTH STONINGTON, CT

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2	RE-ISSUED FOR PERMIT	05/28/21
REV. NO	DESCRIPTION	DATE

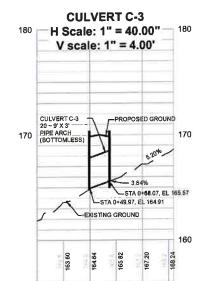


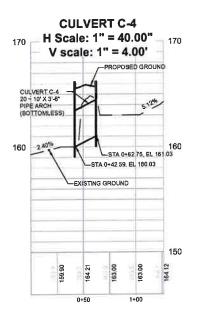
SHEET TITLE:

PROJ. MGR. PROJ. ENGR. DATE:
CM MB 10/18/2022

DRAWN BY: CHECKED BY: SCALE:
JP CP 1*=40*

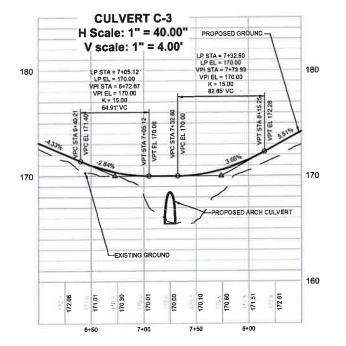
C-200

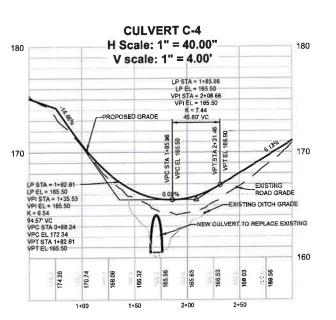


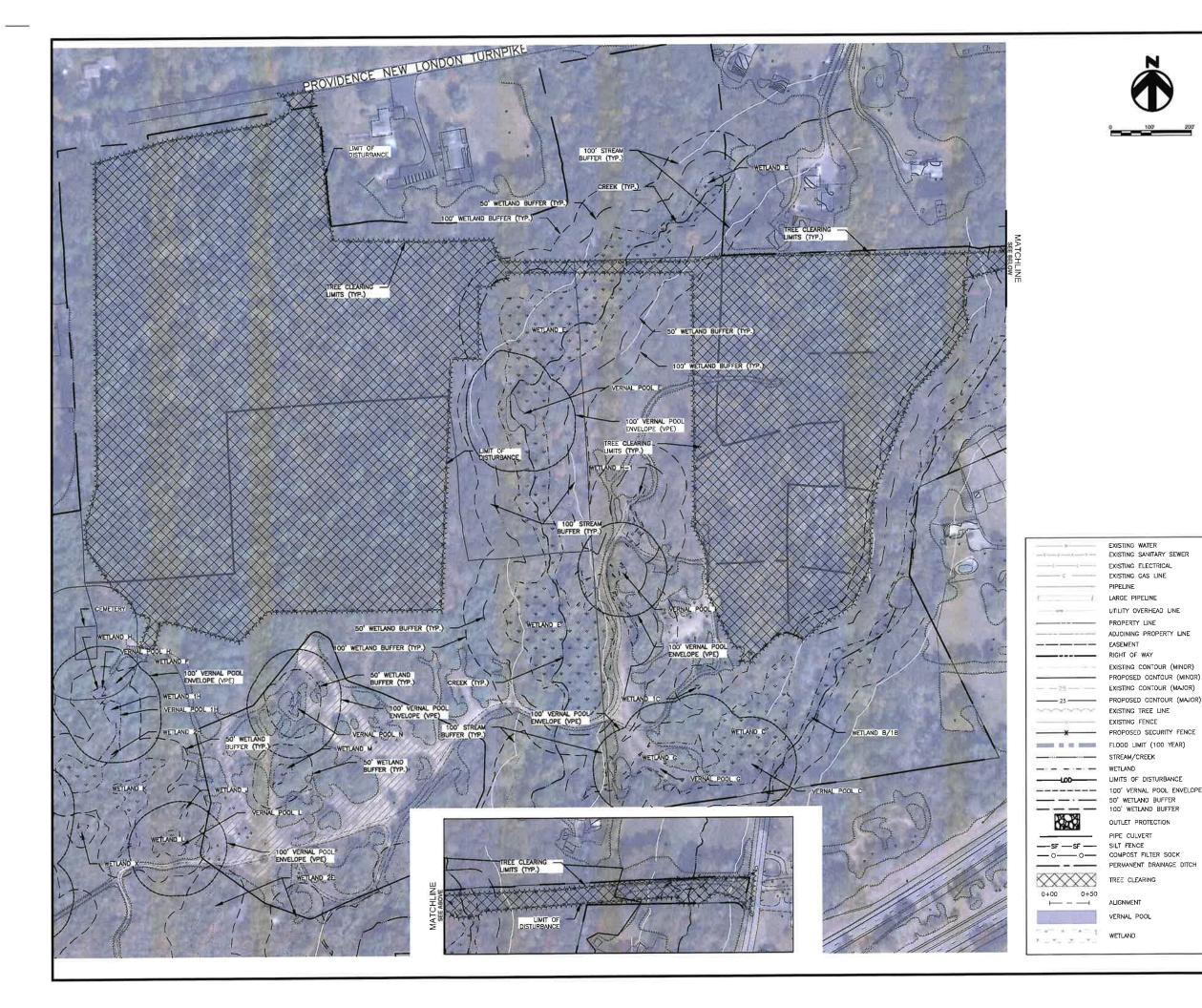


Culvert	Est. Peak FLow Q 50-yr (cfs)	Length (ft)	Shape	Span (ft)	Rise (ft)	Area (sf)	Open Area (sf)	OR (Open Area)/Length
C-3	87.2300	20	Arch (Bottomless)	9	3.0	27.0	27.0	1.35
C-4	104.7800	20	Arch (Bottomless)	10	3.5	35.0	35.0	1.75

PROVIDE PRECAST, 4000 PSI, CLASS IV, CULVERT. SHAPE AND DIMENSIONS PER TABLE ABOVE.









EXISTING WATER EXISTING SANITARY SEWER EXISTING ELECTRICAL EXISTING GAS LINE PIPELINE LARGE PIPELINE UTILITY OVERHEAD LINE PROPERTY LINE ADJOINING PROPERTY LINE

EASEMENT RIGHT OF WAY EXISTING CONTOUR (MINOR) PROPOSED CONTOUR (MINOR) EXISTING CONTOUR (MAJOR) PROPOSED CONTOUR (MAJOR) EXISTING TREE LINE EXISTING FENCE

STREAM/CREEK

LIMITS OF DISTURBANCE

50' WETLAND BUFFER

100' WETLAND BUFFER

PERMANENT DRAINAGE DITCH

OUTLET PROTECTION PIPE CULVERT

TREE CLEARING

ALIGNMENT VERNAL POOL

WETLAND





NOT FOR CONSTRUCTION

NORTH **STONINGTON SOLAR**

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA

LAT: 41,431830°N LON: 71.821514°W

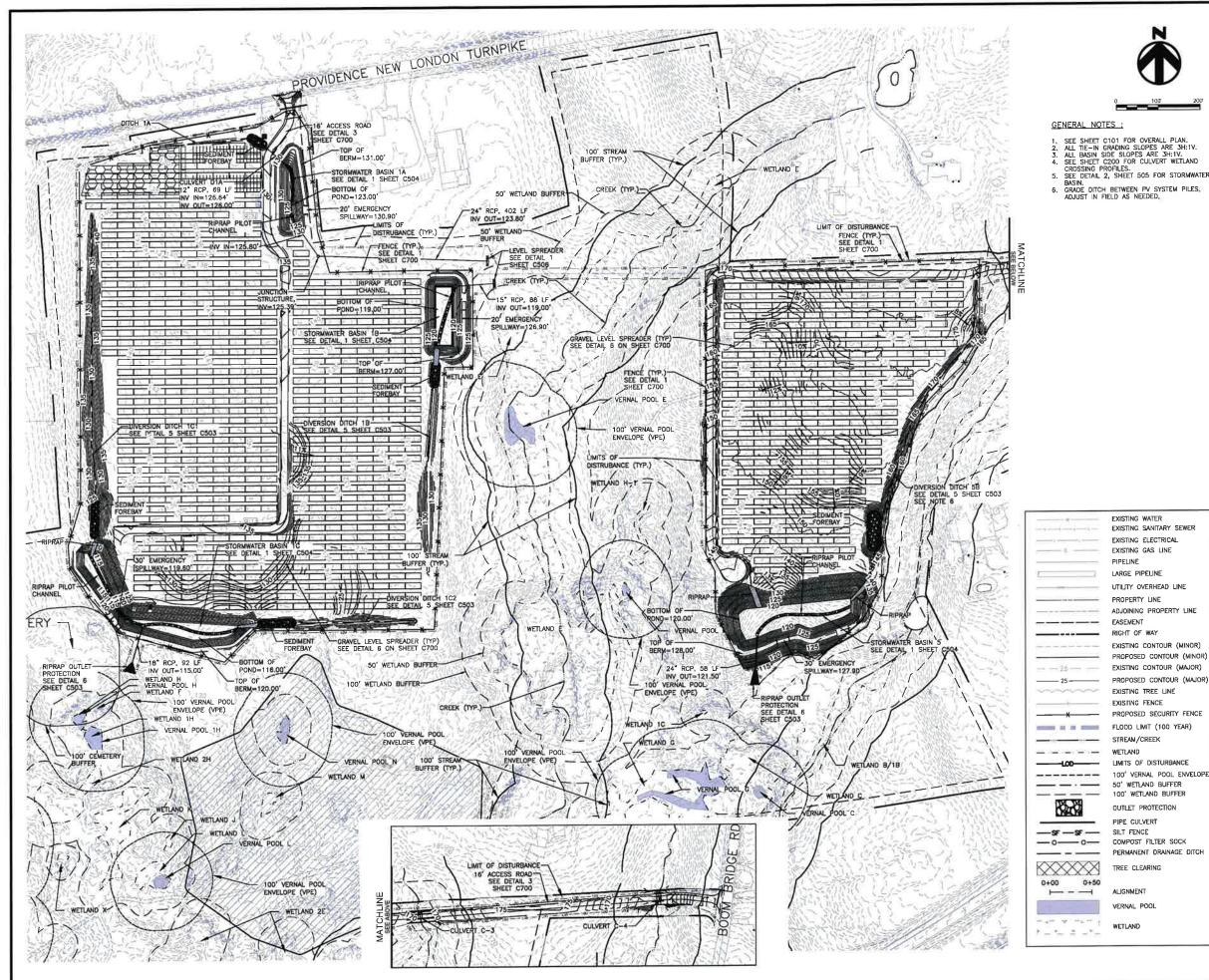


NORTH STONINGTON, CT

8	RE-ISSUED FOR PERMIT	10/18/22
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2	RE-ISSUED FOR PERMIT	05/28/21
REV. NO	DESCRIPTION	DATE

TREE CLEARING PLAN 1

PROJ. MGR. CM	MB ENGR.	10/18/2022
DRAWN BY:	CHECKED BY:	SCALE:
JP	CP	1:100





GENERAL NOTES :

- 1, SEE SHEET C101 FOR OVERALL PLAN.
 2. ALL TE-IN GRADING SLOPES ARE 3H:1V.
 3. ALL BASIN SIDE SLOPES ARE 3H:1V.
 4. SEE SHEET C200 FOR CULVERT WETLAND CROSSING PROFILES.
 5. SEE DETAIL 2, SHEET 505 FOR STORMWATER BASIN.
- BASIN.
 6. GRADE DITCH BETWEEN PV SYSTEM PILES, ADJUST IN FIELD AS NEEDED,

EXISTING WATER

EXISTING SANITARY SEWER

EXISTING ELECTRICAL EXISTING GAS LINE PIPELINE LARGE PIPELINE

UTILITY OVERHEAD LINE PROPERTY LINE ADJOINING PROPERTY LINE

EXISTING CONTOUR (MINOR)

EXISTING CONTOUR (MAJOR) PROPOSED CONTOUR (MAJOR

PROPOSED SECURITY FENCE

PROPOSED CONTOUR (MINOR)

EASEMENT

RIGHT OF WAY

EXISTING FENCE

STREAM/CREEK

LIMITS OF DISTURBANCE

100' WETLAND BUFFER

COMPOST FILTER SOCK

PERMANENT DRAINAGE DITCH

OUTLET PROTECTION

PIPE CULVERT

TREE CLEARING

VERNAL POOL

SILT FENCE





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NORTH **STONINGTON SOLAR**

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA

> LAT: 41.431830°N LON: 71,821514°W

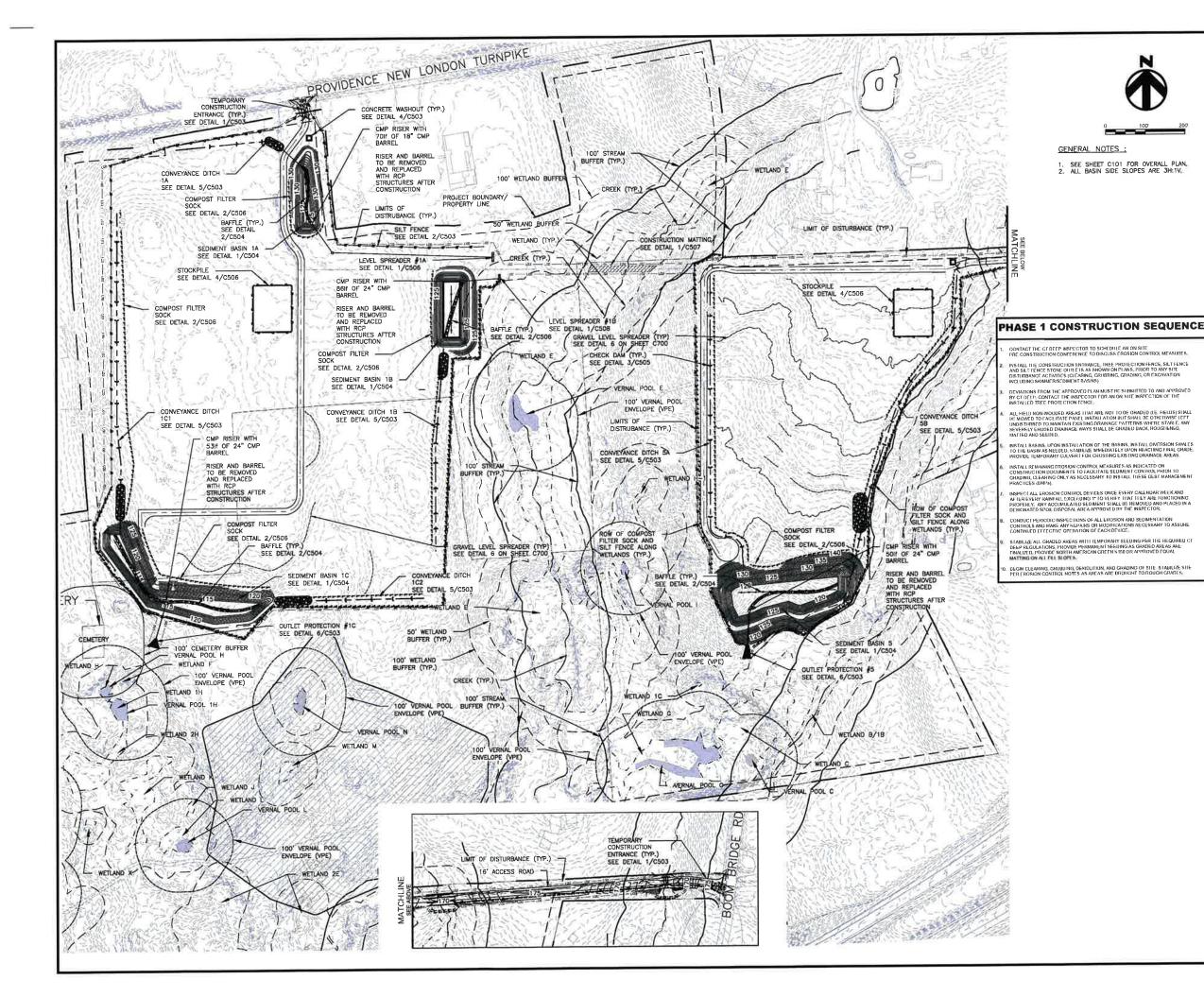


NORTH STONINGTON, CT

8	RE-ISSUED FOR PERMIT	10/18/22
7	RE-ISSUED FOR PERMIT	10/05/22
6	RE-ISSUED FOR PERMIT	09/02/22
5	RE-ISSUED FOR PERMIT	04/22/22
4	RE-ISSUED FOR PERMIT	11/19/21
3	RE-ISSUED FOR PERMIT	06/23/21
2	RE-ISSUED FOR PERMIT	05/28/21
REV. NO	DESCRIPTION	DATE

ARRAY GRADING AND DRAINAGE 1

PROJ. MGR.	PROJ. ENGR.	DATE:
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JP	CP	1:100







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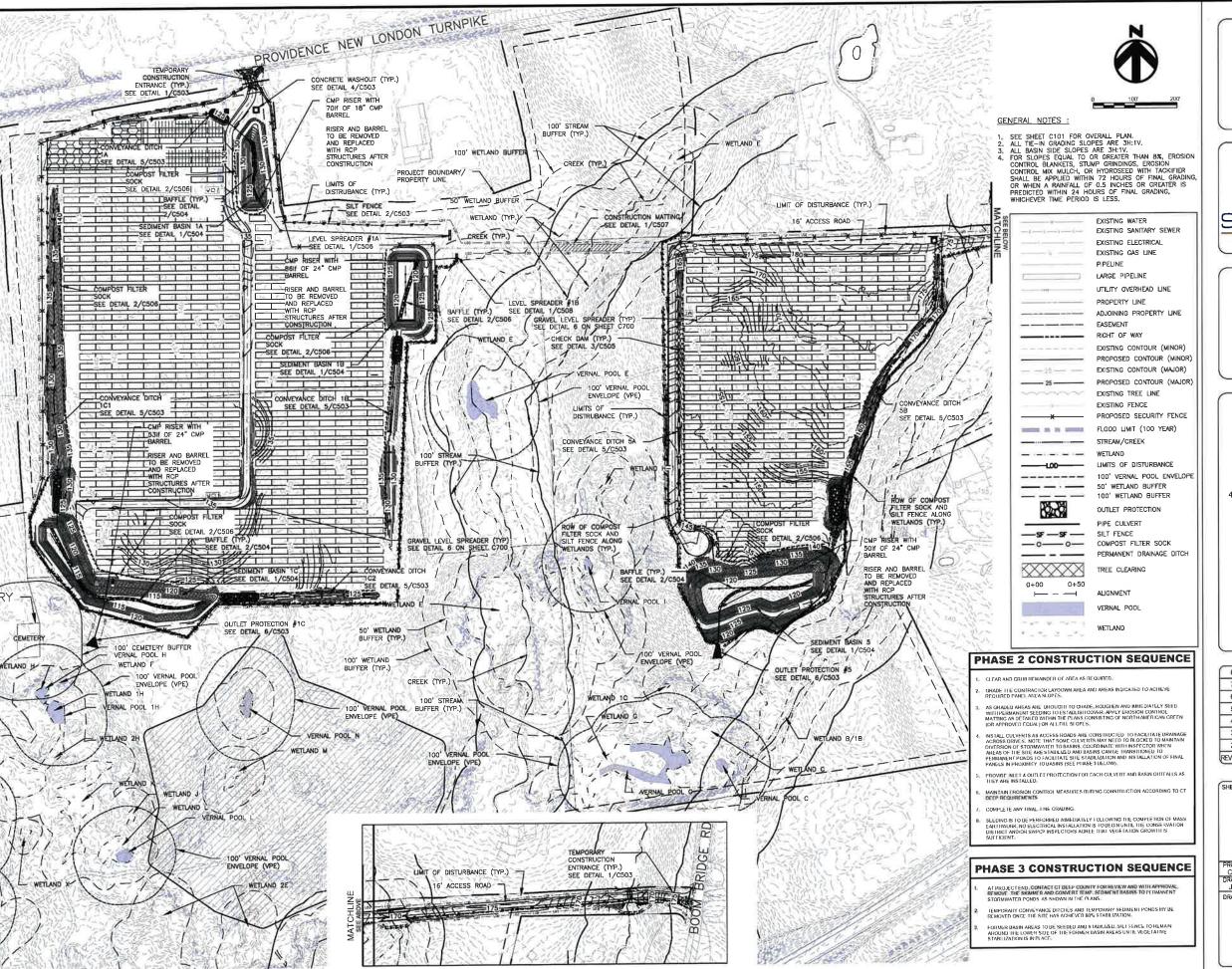
NORTH STONINGTON, CT

8	RE-ISSUED FOR PERMIT	10/18/22
7	RE-ISSUED FOR PERMIT	10/05/22
6	RE-ISSUED FOR PERMIT	09/02/22
5	RE-ISSUED FOR PERMIT	04/22/22
4	RE-ISSUED FOR PERMIT	11/19/21
3	RE-ISSUED FOR PERMIT	06/23/21
2	RE-ISSUED FOR PERMIT	05/28/21
REV. NO	DESCRIPTION	DATE

SHEET TITLE:

EROSION AND SEDIMENTATION CONTROL PHASE 1 - SHEET 1

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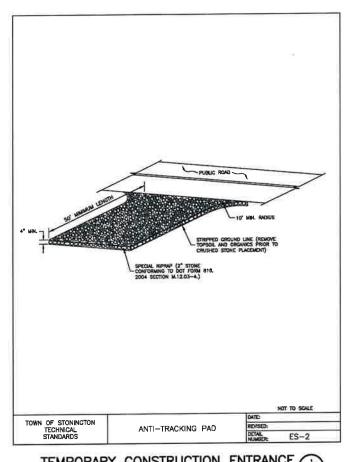
NORTH STONINGTON, CT

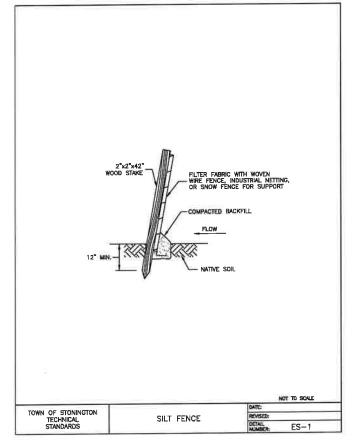
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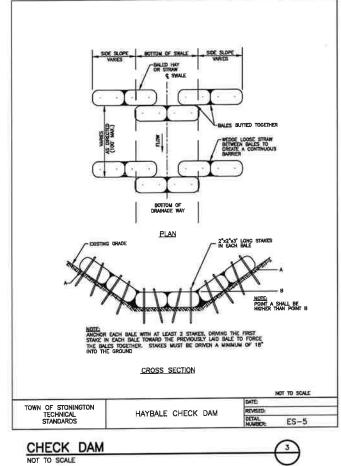
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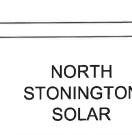
EROSION AND SEDIMENTATION CONTROL PHASE 2 - SHEET 1

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
DRAWN BY:	CHECKED BY:	SCALE:
JP	CP	1:100
DRAWING NO.		









428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA



NORTH STONINGTON, CT

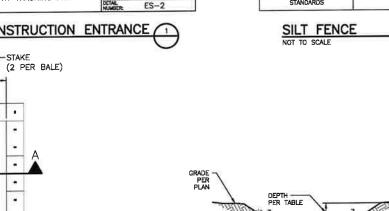
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5	RE-ISSUED FOR PERMIT	04/22/22
4	RE-ISSUED FOR PERMIT	11/19/21
3	RE-ISSUED FOR PERMIT	06/23/21
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REV. NO	DESCRIPTION	DATE

SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS 1

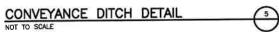
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JP	CP	AS NOTED
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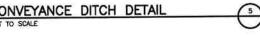
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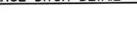


Ditch	Weighted Peak Runoff 100-yr Event (cfs)	Avg. Slope (%)	Shape	Side Slope z:1	Bott. (fl)	Depth (ft)	Top Width (ft)
1A	6.27	0.69%	Trap.	3	1	1.00	7.0
1B	9.03	0.29%	Trep	3	1.5	1.25	9.0
1C1	10.59	1.77%	Trap.	3	1.5	1.00	7.5
1C2	20.11	1.19%	Trap	3	2	1.25	9.5
5A	21.64	3.91%	Trap.	3	2	1:00	8.0

5B	7.32	4.99%	In.	3	0	1.00	6,0







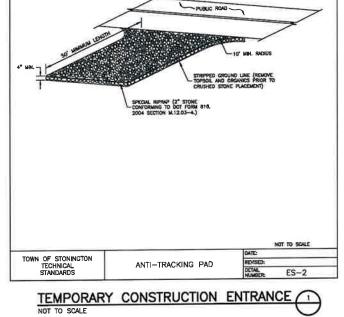


 Culvert# Q (cfs)
 Do (ft)
 TW (ft)
 L_s (ft)
 W (ft)
 date (ft)

 1C
 10.27
 2
 1.15
 22.2
 29.7
 0.15

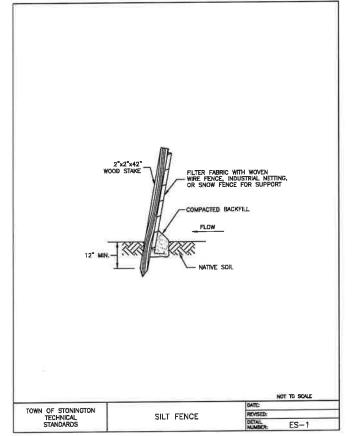
 5
 17.76
 2
 0.90
 28.7
 65.3
 0.41

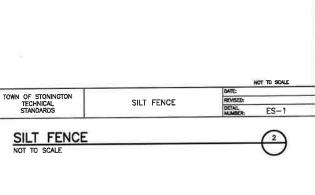
 D1A
 4.58
 1
 0.84
 15.8
 9.3
 0.18

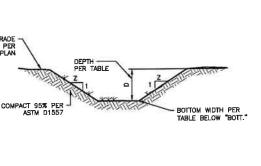


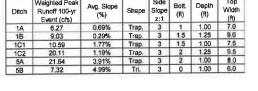
STRAW BALE (TYP)

> - EXISTING GRADE













10' MIN

.

PLAN

10 MIL PLASTIC

-NATIVE MATERIAL

SECTION A-A

(OPTIONAL)

10 MIL PLASTIC LINER -

1/8" DIA STEEL WIRE

(2 PER BALE)-

WOOD OR -METAL STAKES

(2 PER BALE)



EXISTING STABLE

MATERIANS OF HOUSE OF THE STATE OF THE CHARLES

SECTION A.A (NOT TO SCALE)



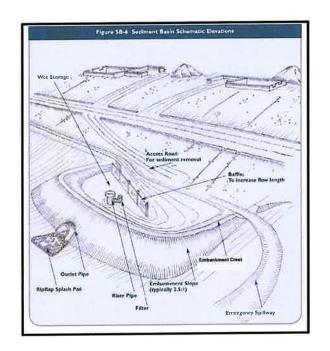


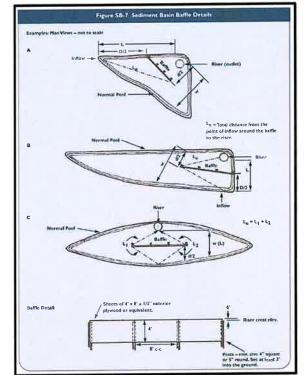
FDS



LAT: 41.431830°N LON: 71.821514°W







TEMPORARY SLOPE DRAIN

Figure SB-9 Concentric Trash Rack and Anti-Vortex Device

(NOT TO SCALE)

NOT FOR

CONSTRUCTION

SILICON RÁNCH

FDS

NORTH **STONINGTON** SOLAR

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REV. NO	DESCRIPTION	DATE
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6	RE-ISSUED FOR PERMIT	09/02/22
7	RE-ISSUED FOR PERMIT	10/05/22
8	RE-ISSUED FOR PERMIT	10/18/22

SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS 2

PROJ. MGR. CM	MB	10/18/2022
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C504

BAFFLES

	TOP OF BERM ELEVATION (FT)	HIGHWATER ELEVATION (10-YR) (FT)	OUTLET PIPE SIZE (INCH)	OUTLET PIPE INVERT IN (FT)	OUTLET PIPE INVERT OUT (FT)	FILTER ORIFICE SIZE (INCH)
	131.00	128.64	18.00	124.00	123.50	4.00
	127.00	121.65	24.00	119.00	118.50	4.00
Ī	120.00	116.81	24.00	114.00	113.50	4.00
	128.00	125.12	24.00	120.00	117.00	3.00

EMERGENCY

SPILL WAY

ELEVATION

(FT)

130.50

126.00

119.00

8.00 16.27 600 120.00 123.00 127.00 SEDIMENT BASIN

REQUIRED | PROVIDED | ELEVATION | ELEVATION |

605

605

651

воттом

(FT)

124.00

119.00

114.00

CREST

(FT)

128.50

121.50

115.50

DEPTH OF 10YR RETENTION RETENTION

TIME

(MIN)

600

600

600

STORAGE PEAK

(FT)

7.00

8.00

6.00

FLOW

(CFS)

2.46

3.46

8.22

IATOT

AREA (AC)

1B

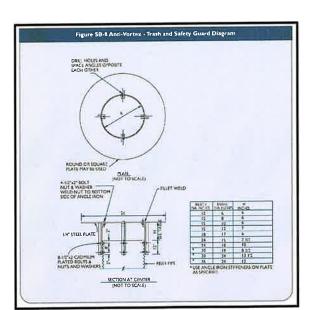
4.19

4,57

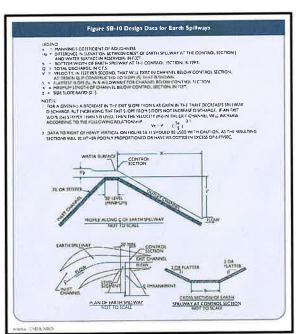
1C 11.85

5 15.23

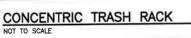
BASIN DRAINAGE VOLUME







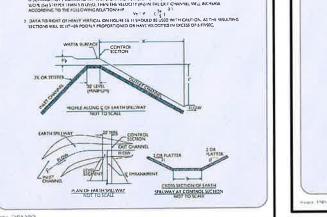
EARTH SPILLWAY



NOISE

1. TOP STITTURE OF EXQUENCIBLES 1.X.1.2. LIP ANGGE VELOCID TO TOP AND
DISSISTED PROPRIED CLARK TO CREMINATION.X.

2. TOP IN IT CARE CORRESPONDED ON THE PLATE PARKURE RATEF
HOISE MAY DO ONTITO IT FINDS OF COSELUCIATIONS ARE FET THE HIT YORK WISN
CORRESPONDED TO PET WITH DISTO TO CHINDING
X. WITH A VIRBURIES IN YORK THE PROPRIED OF A PRESIDENCY FOR POST STEEL PROPRIED
STRANG AND THE PROPRIED OF THE PROPRIED OF THE VELOCITY THROUGH THE SOTTOM OF
THE TOP OF THE CONCENTRICE THAN HACK SHALL RESTANDED THE OWNE THE
LEVATION AT WHICH THE RENCEPAL STRUME AS ALL RESTANDED ONE THE
LEVATION AT WHICH THE RENCEPAL STRUME AS ALL RESTANDS FULL (PAIMES).



CONCENTRIC TRASH RACK

(PJADZ OT TCN)

4-Short Term Non-living Soil Protection

Definition
A manufactured blanket composed of biodegra-able of phonological-like natural or polymer file-ancleur filaments that have been mechanically, structurally or chemically bound topedier to fun

Applicability

On disturbed sons where slopes are 2.1 or flaner

Where wind are treffic generated an flow may
distingly another, unanomed middles.

May be used as a solution for Temporary
Soil Protection

May be used as a solution for Mulch for

May be used as a substitute for Mulch for Seed.

Planning Considerations.

When considering the use of PC3 scop in mind the blankers capability in comford to ground carticle engagianties. If the blanker is not capable of developing a continuous contact with the soil their times be upload to a fine grandel stored, brown landers is of several mind where writed reconcern to the entire and several mind where writed reconcerning to the entire to be difficult, if not improssible.

Care must be fastism to those into type of blanker which is most appropriate for the specific need of the proposition of the abundance of encolen continuous and activities. There is no substitute for a distinuous difficulties that the proposition of the abundance of sensition continuous of all summisciance of blankers. There is no substitute with the continuous states of minimum and continuous and continuous and sensitions of the continuous and common states on minimum of the degree pages to sensition to the continuous and common states that the continuous and continuous and alternative and mental states in the continuous and common states are minimum of the degree pages and the continuous and administration to control of the degree pages and the continuous and continuous and the continu

jum to and during installation to verify a products appropriate even feeting and administration of the success of temporary crossion counted balancies is dependent upon sorter administration to constitutions for the security transfer installation recommendations and the security of the

- years pur withour substantial degradate at order the period of intended usage (goes in raths networked).
- 3 are one channeally, senemently or channeally beautiful modifies in format continuous matter of even facts uses and distribution that resist analogophism and when mad with sevelings all hos execution to penemic the blanks.

- Contain no containments that pollure the rin or waters of the state when properly applied and



2002 Connecticut Guizel nes for So I Erosion and Sediment Control

3 per ude cother SDs 65 serial execution whom used as a substitute for Mulch for Secol or 1005 rained soil above used as a substitute for Temporary Sail Protection institute.

Machia's shall be selected as appropriate for the specific site conditions in accordance with manufacturer's reconance-dation. Dec of any particular temporary crosses control blacket shrutables supported by manufacturer's test data that condition the blancet meets these innertal specifica arise and will provide the short term ension control capabilities mea-sistent for the specific points.

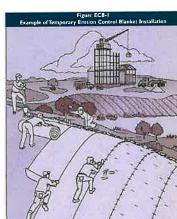
perfect the surface remove prevaiding objects and perfit temporary ensour control blankets in accurs like with the manufacture's recommendations library that the orientation and anchoring of the blanket is appropriate for

the size. The blacket can be hid axer axis where springed grass regularly have been inserted into the self. When tradscripe glariting measure. Let the blacket first and their plant through the blacket in accordance with landscripe firsting measure.
Expect the axistation in transe that all top parts are secure, all edges are property anchored and all staking or stapping patterns looker attractivities.

Maintenance

Maintenance Impost temporary crosson control blankers in less to trave a week and within 21 hours of the end of a scorn with a real month of the control of

inspect as required by the seeing, including by the health as a substitute for Temporary Sull Protection, costinue to insect turis it is replaced in solar current control measures of until work resumes.



2002 Connecticut Gu colones for Said Erasion and Sed ment Control



TEMPORARY EROSION CONTROL MATTING NOT TO SCALE

GENERAL NOTES:

- GENERAL NOTES:

 1. PRECAST STRUCTURES SHALL CONFORM TO LATEST ASTM C-913 SPECIFICATIONS FOR "REINFORCED CONCRETE WATER AND WASTEWATER STRUCTURES".

 2. ALL EXPOSED CONCRETE TO BE CHAMFERED 1".

 3. CONCRETE COMPRESSIVE STRENGTH 4000 PSI MINIMUM.

 4. SECTION JOINTS TO BE SEALED WITH BUTHL RUBBER SEALANT SUPPLIED BY VENDOR AND INSTALLED BY CONTRACTOR, BARREL CONNECTIONS TO BE SEALED WITH LINK SEAL CONNECTIONS SUPPLIED BY VENDOR AND INSTALLED BY CONTRACTOR.

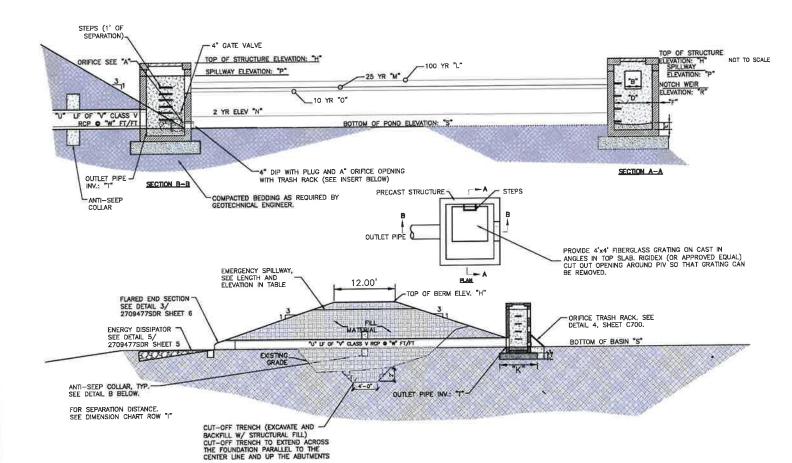
 5. CONCRETE PIPE SHALL HAVE 'O' RING SEALS OR WATER TIGHT JOINTS.

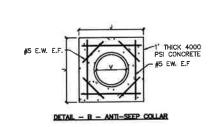
 6. SHOP DRAWINGS WUST BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE CONSTRUCTION.

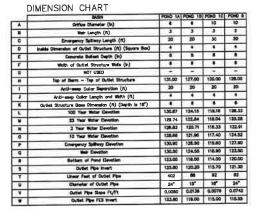
 7. GEOTECHNICAL ENGINEER SHALL MONITOR DAM AND OUTLET STRUCTURE INSTALLATION. ALL FILL AREAS SHALL BE COMPACTED TO 100% OF THE MATERIALS MAXIMUM DRY DENSITY UNLESS OTHERWISE DICTATED BY THE GEOTECHNICAL ENGINEER.

 8. PROVIDED STEPS 1' ON CENTERS. STEPS SHALL BE EPOXY COATED, MANHOLE OPENING TO ALIGN WITH STEPS.

 9. ALL PIPE IN STORM DRAIN STRUCTURE TO BE STRUCK EVEN WITH THE INSIDE WALL, GROUTED AND BRUSHED SMOOTH.













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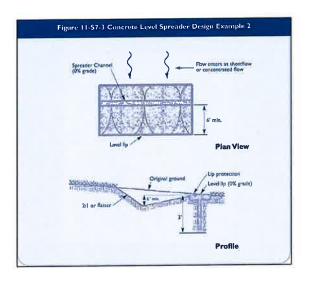
NORTH STONINGTON, CT

REV. NO	DESCRIPTION	DATE
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3	RE-ISSUED FOR PERMIT	06/23/21
4	RE-ISSUED FOR PERMIT	11/19/21
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6	RE-ISSUED FOR PERMIT	09/02/22
7	RE-ISSUED FOR PERMIT	10/05/22
8	RE-ISSUED FOR PERMIT	10/18/22

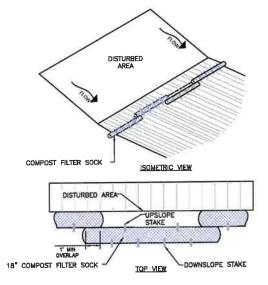
SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS 3

CM CM	MB ENGR.	10/18/2022
DRAWN BY: JP	CHECKED BY: CP	AS NOTED

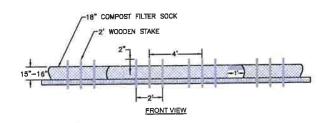


Culvert #	Q (cfs)	Min. Length (ft)	Design Length (ft)	Height of Flow (ft)	Flow Velocity (ft/s)
1A	1.79	23.27	23	0.09	0.85
18	1.46	18.98	19	0.09	0.84



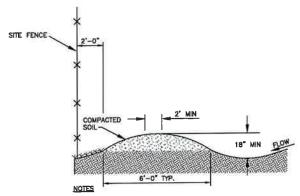
- SEDIMENT DEPOSITS SHALL BE CLEANED FROM THE WATTLES WHEN IT REACHES HALF THE HEIGHT OF THE LOG.
- DAMAGED WATTLES SHALL BE REPLACED WITHIN 24 HOURS OF INSPECTION, A SUPPLY OF WATTLES SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE,

Close I	Sarrier Row Spacing
Stope 1	and the state of the particular
<2%	100 feet
2 to 5%	75 feet
5 to 10%	50 feet
10 to 33%	25 feet
33 to 50%	20 feet
>50%	Not Permitted

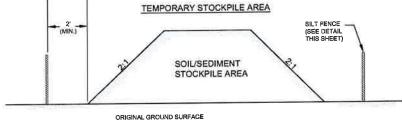


OUTFALL LEVEL SPREADER NOT TO SCALE





- 1. CONSTRUCT DIVERSION CHANNEL AT A MINIMUM OF 1.0% SLOPE TOWARD OUTLET.
- SIDE SLOPES SHALL NOT EXCEED A 5:1 (H:V) SLOPE IN AREAS WHERE VEHICLES MUST CROSS, 3:1 SLOPE (MAX.) IN ALL OTHER AREAS.



COMPOST FILTER SOCK

- SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE. OR IF STOCKPILE AREA IS LOCATED ONINEAR A SLOPE THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
 IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS. TEMPORARY STABILIZATION MEASURES MISTED BE IMPLEMENTED.
 SILT FENCE SHALL BE MAINTAINED UNTLISTOCKPILE AREA HAS ETHER BEEN REMOVED OR PERMANENTLY STABILIZED.
 THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREA SIS WEEKLY INSPECTIONS. ROUTINE MAINTENANCE. AND REQULAR SEDIMENT REMOVAL.
 WATER TO BE APPLIED BY SPRAYER TO STOCKPILE TO KEEP DUST DOWN, AVOID EXCESS WATER THAT CAN CAUSE EROSION PROBLEMS.

TEMPORARY STOCKPILE DETAIL NOT TO SCALE







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NORTH STONINGTON, CT

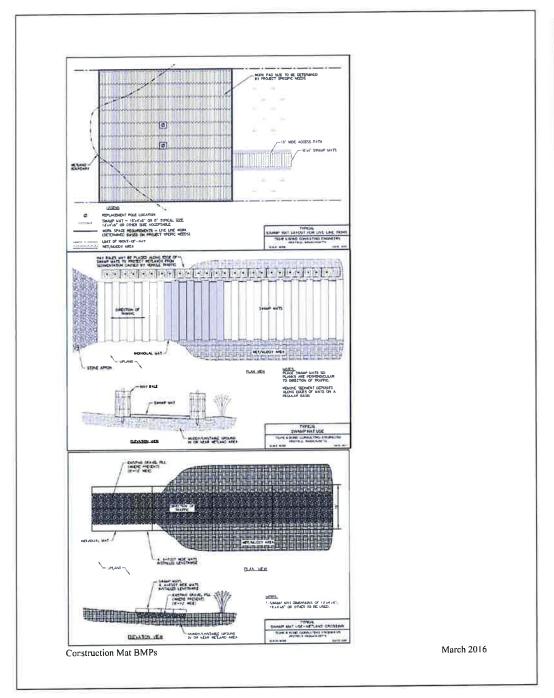
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6	RE-ISSUED FOR PERMIT	09/02/22
7	RE-ISSUED FOR PERMIT	10/05/22
8	RE-ISSUED FOR PERMIT	10/18/22

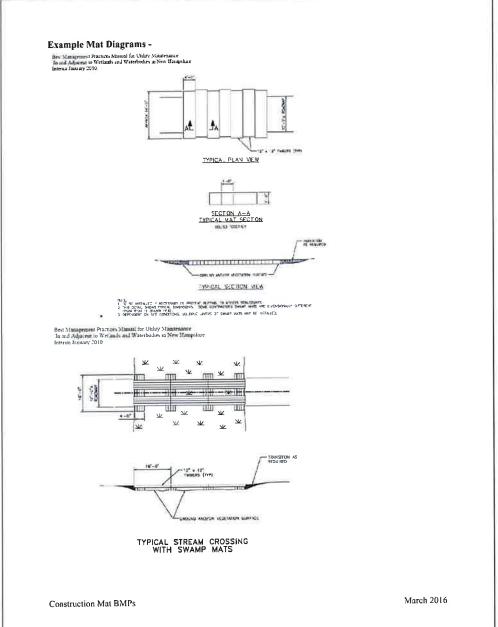
SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS 4

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
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NOT FOR CONSTRUCTION

NORTH STONINGTON SOLAR

428, PROVIDENCE-NEW LONDON TURNPIKE NORTH STONINGTON, CT 06359, USA

LAT: 41.431830°N LON: 71.821514°W



NORTH STONINGTON, CT

8	RE-ISSUED FOR PERMIT	10/18/22
7	RE-ISSUED FOR PERMIT	10/05/22
6	RE-ISSUED FOR PERMIT	09/02/22
5	RE-ISSUED FOR PERMIT	04/22/22
4	RE-ISSUED FOR PERMIT	11/19/21
3	RE-ISSUED FOR PERMIT	06/23/21
2	RE-ISSUED FOR PERMIT	05/28/21
REV. NO	DESCRIPTION	DATE

SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS 5

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
DRAWN BY:	CHECKED BY: CP	SCALE: AS NOTED

C507

CONSTRUCTION MATTING



EARTHEN STOCKPILE MANAGEMENT

- Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

HERBICIDES, PESTICIDES AND RODENTICIDES

- 1. Store and apply herbicides, pesticides and rodenticides in accordance with label
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental polsoning.
- Do not store herbleides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
 Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the grou

EQUIPMENT AND VEHICLE MAINTENANCE

- cles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment. Identify leaks and repair as soon as feasible, or remove leaking equipment from the
- 4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff
- from upland areas and does not drain directly to a storm drain, stream or wetland. Cover waste containers at the end of each workday and before storm events or
- provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds. Empty waste containers as needed to prevent overflow. Clean up immediately if
- containers overflow. Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter sllt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste mus be pumped out and removed from project-
- 5. Locate washouts at least 50 feet from storm drain inlets and surface waters unless can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive
- Locate washouts in an easily accessible area, on level ground and install a stone trance pad in front of the washout. Additional controls may be required by the
- 8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.

 Remove leavings from the washout when at approximately 75% capacity to limit.
- overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

EROSION CONTROL NOTES:

- If necessary, slopes, which exceed eight (8) vertical feet should be stabilized with synthetic or vegetative mats, in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed until the slope
- 2. Where construction activities have permanently ceased or when final grades are reached in any portion of the site, stabilization and protection practices as specified in Chapter 5 of the Guidelines or as approved by the commissioner or his/ her designated agent shall be implemented within seven days. Areas that will remain disturbed but inactive for at least thirty days will receive temporary seading or sail protection within seven days in accordance with the Guidelines.
- 3. All sediment and erosion control devices shall be inspected once every calendar week. If periodic inspection or other information indicates that a BMP has been inappropriately, or incorrectly, the Permittee must address the necessary replacement or modification required to correct the BMP within 48 hours of identification. inspections shall be done in accordance with the SWPCP.
- 4. Provide silt fence and/or other control devices, as may be required Provide sit fence and/or other control devices, as may be required to control soil erasion during utility construction. All disturbed areas shall be cleaned, graded, and stabilized with grassing immediately after the utility installation. Fill, cover, and temporary seeding at the end of each day are recommended. If water is encountered while trenching, the water should be filtered to remove sediment before being pumped back into any waters of the State.
- 5. All erosion control devices shall be properly mointoined during all phases of construction until the completion of all construction activities and all disturbed areas have been stabilized. Additional control devices may be required during construction in order to control erosion and/or offsite sedimentation. All temporary control devices shall be removed once construction is complete and the site.
- The contractor must take necessary action to minimize the tracking of mud anto paved roadway(s) from construction areas and the generation of dust. The contractor shall daily remove mud/soil from poverment, as may be required.
- Temporary diversion berms and/or ditches will be provided as needed during construction to protect work areas from upslope runoff and/or to divert sediment—laden water to appropriate traps or stable
- 8. All waters of the State (WoS), including wetlands, are to be flagged or otherwise clearly marked in the field. A double row of allt fence is to be installed in all areas where a 25-foot buffer can't be maintained between the disturbed area and all WoS. A 10-foot buffer should be maintained between the last row of silt fence and
- Litter, construction debris, oils, fuels, and building products with significant potential for impact (such as stockples of freshly treated lumber) and construction chemicals that could be exposed to atorm water must be prevented from becoming a pollutant source in storm
- 10. A copy of the SWPCP, inspections records, and rainfall data must be retained at the construction site or a nearby location easily occessible during normal business hours, from the date of commencement of construction activities to the data that final
- Initiate stabilization measures on any exposed steep slope (3H:1V or greater) where land-disturbing activities have permanently or temporarily ceased, and will not resume for a period of 7 calendar
- 12. Minimize soil compaction and, unless infeasible, preserve topsoil.
- 13. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or batter treatment prior to discharge;
- 14. Minimize the discharge of pollutants from dewatering of trenches and excavated areas. These discharges are to be routed through appropriate BMPs (sediment basin, filter bag, etc.).
- 15. The following discharges from sites are prohibited and shall be in compliance with the SWPCP:
 - Wastewater from washout of concrete, unless managed by an
 - Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction
- materials;
 Fuels, cils, or other pollutents used in vehicle and
 equipment operation and maintenance; and
 Soops or solvents used in vehicle and equipment washing.
- 8. After construction activities begin, inspections must be conducted at a minimum of at least once every colendar week and must be conducted until final stabilization is reached on all areas of the construction site. Inspections shall be done in accordance with the construction site.
- 17. If existing BMPs need to be modified or if additional BMPs are necessary to comply with the requirements of this permit and/or

GROUND STABILIZATION SPECIFICATION

Temporary Stabilization	Permanent Stabilization
Temporary areas seed covered with straw or other mulches and tackfiers. Here reseating a Rolled area for control products with or without temporary grass seed. A peroparately applied straw or other mulch Plastic sheeting.	Permanent grass seed covered with straw or other mulches and tackfilters. Generate fath its such as permanent self printercement matting. Hydrosseding. Hydrosseding. Hydrosseding or other permanent plannings covered with mulch. Uniform and evently distributed ground cover self-distributed section. Structural methods such as concrete, asphalt or relating wells. In land as ground country distributed and the self-distributed ground cover self-distributed ground cover self-distributed ground cover self-distributed ground cover self-distributed ground grou

CT's Water Quality Standards, implementation must be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable, the situation must be documented in the SWPCP inspection report and alternative BMPs must be implemented as soon as reasonably possible.

- 18. A Pre-Construction Conference must be held for each construction site with an approved On-Site SWPCP prior to the implementation of construction activities. For non-linear projects that disturb 10 acres or more this conference must be held on-site unless the Departmen
- 19. For slopes greater than or equal to 8%, erosion control blankets or stump grindings or erosion control mix mulch or hydroseed with tack/filer shall be applied within 27 hours of final grading, or when a rainfall of 0.5 inches or greater is predicted within 24 hours of final grading, whichever time period is less.

PHASE 1 CONSTRUCTION SEQUENCE

- CONTACT THE CT DEEP INSPECTOR TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION CONFERENCE TO DISCUSS EROSION CONTROL MEASURES.
- DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED TO AND APPROVED BY CL DEEP. CONTACT THE INSPECTOR FOR AN ON-SITE INSPECTION OF THE INSTALLED TREE PROTECTION FRACE.
- ALL FELD NON-WOODED AREAS THAT ARE NOT TO BE GRADED THE FRILDS) SHALL BE MOMED TO FACELITATE PARKE, INSTALLATION BUT SHALL BE OTHERWISE LEFT UNDS DIRECTED TO MAINTAIN KENTRO DRANAGE TATTETING WHITE STAILT, ANY SEYPELLY FRODED DRAMAGE WAYS SHALL BE GRADED BACK, ROUGHENED, MATTED AND SEEDED.
- INSTALL DASINS. UPON INSTALLATION OF THE DASINS, INSTALL DIVERSION SWALES TO THE DASIN AS NEEDED. STABILIZE, MAD LATE LY UPON NEACH INCEPTIAL GRADE, PROVIDE TEMPORARY CULVERT FOR CROSSING EXISTENCE AREAS.
- INSTALL REMAINING EROSION CONTROL MEASURES AS INDICATED ON COME HAD COME DOCUMENTS TO FACILITATE SED MENT CONTROL PRIOR TO GRADING, CLEARING ONLY AS NECESSARY TO INSTALL THESE BEST MANAGEMENT PRACTICES (BMPs).
- INSPECT ALL ERIOSION CONTROL DEVICES ONCE EVERY CALENDAR WEEK AND AFTER EVERY RANFALL EXCEEDING 95" TO VERBY THAT THEY ARE EURODORNIG PROPERTY. ANY ACCURAGE ATTO SCORENT SHALL BY FREMONED AND PLACED IN A DESIGNATED SPOR. DISPOSAL ARCA APPROVED BY THE INSPECTOR.
- STADILIZE ALL GRADED AREAS WITH TEMPORARY SEEDING PER THE REQUIRED OF DEEP RECENTATIONS. PROVIDE PERMANENT SEEDING AS GRADED AREAS ARE FAND UTD. PROVIDE NORTH AMERICAN GREEN SEED OR APPROVED COMM. MATTING ON ALL FILEST OPES.
- DEGIN CLEARING, GRUUDING, DEMOLITION, AND GRADING OF SITE, STABILIZE SITE PER EROSION CONTROL NOTES AS AREAS ARE BROUGHT TO ROUGH GRADES.

PHASE 2 CONSTRUCTION SEQUENCE

- CLEAR AND GRUD REMANDER OF ANEA AS REQUIRED.
- GRADE THE CONTRACTOR LAYDOWN AREA AND AREAS INDICATED TO ACHIEVE REQUIRED PANEL AREA SLOPES.
- AS CRADED AREAS ARE BROUGHT TO CRADE ROUGHEN AND BANCDIATELY SECO WITH PERMANEN SECOND TO ESTABLESH COVER, APPLY FROSION CONTROL MATTER AS DETAILED WITHIN THE PLAN COMSESTING OF MORTH LANGEOVAN DREAM FOR APPROVED EXCAL
- NSTALL CHEVER'S AS ACCESS RIDADS ARE CONSTITUCIED TO FACEITATE GRAPACE ACROSS ORNES, NOTE THAT SOME CHEVER'S WAYNETD TO BEOCKED TO MANYAN DIVERSION OF STOMMAREN DOWNESSOM CHEVER'S WAYNET OF DASHS, COCKIDANIE WITHINFECTION WERE MARENS OF HE STIFF ARE STABLEATION AND DASHS CANTILE TRANSHIONED TO PERMANENT FORDS TO FACEITATE SHE STABLEATION AND RISTALLADIO OF FINAL PARKS OF PROXIMITY FOR ORNESS (SEE PHANE) BIT SHE STABLEATION AND RISTALLADIO OF FINAL PARKS OF PROXIMITY FOR ORNESS (SEE PHANE) BIT DIVIDIO.
- PROVIDE INLET & OUTLET PROTECTION FOR EACH CULVERT AND DASIN OUT FALLS AS THEY ARE INSTALLED.
- MAINTAIN EROSION CONTROL MEASURES DURING CONSTRUCTION ACCORDING TO CT DEEP REQUIREMENTS
- COMPLETE ANY FINAL. FINE CRADING
- SEEDING IS TO UP PERFORMED IMMEDIATELY FOLLOWING THE COMPLETION OF MASS EARTH MOR NO ELECTRICAL INSTALLATION IS TO DEGRI UNTIL THE CONSERVATION DISTRICT AND UR SWPCP INSPECTORS AGREE THAT VEGETATION GROWTH IS SUFFICIENT.

PHASE 3 CONSTRUCTION SEQUENCE

- TEMPORARY DIVERSION DITCHES AND TEMPORARY SEDIMENT PONDS MY BE REMOVED ONCE THE SITE HAS ACHIEVED 80% STABILIZATION.
- FORMER BASIN AREAS TO BE SEEDED AND STABILIZED, SILT FENCE TO REMAIN AROUND THE LOWER SIDE OF THE COMMER RASIN AREAS UNTIL VECETATIVE STABILIZATION IS IN PLACE.

US ARMY CORPS OF ENGINEERS CONSTRUCTION MAT (BMPs) NOTES:



US Army Corps of Engineers a New England District

Construction Mat Best Management Practices (BMPs)

Mats should be in good condition to ensure proper installation, use and remova

- Operating heavy equipment in wetlands shall be minimized, and such equipment other than fixed equipment (drill rigs, fixed cranes, etc.) shall not be stored, maintained, fueled or repaired in wetlands unless the equipment is broken down and cannot be easily removed.
- An adequate supply of spill containment equipment shall be maintained on site. . General Permits in New England do not authorize dragging construction mats into
- position in waters of the U.S.
- Woody vegetation (trees, shrubs, etc.) shall be cut at or above ground level and not uprooted in order to prevent disruption to the wetland soil structure and to allow sturn sprouts to revegetate the work area.
- Where feasible, place mats in a location that would minimize the amount needed for the wetlands crossing.
- Minimize impacts to wetland areas during installation, use, and removal, Install adequate erosion and sediment controls at approaches to mats to promote a smooth transition to, and minimize sediment tracking onto, swamp mats
- In most cases, construction mats should be placed along the travel area so that the individual boards are resting perpendicular to the direction of traffic. No gaps should exist between mats. Place mats far enough on either side of the resource area to rest
- Provide standard construction mat BMP details to work crews (examples provided

- At "dry" crossings where no flow is present or anticipated during project construction the mats may be placed directly onto the ground in order to prevent excessive rutting provided stream banks and bottoms are not adversely altered.
- Construction mats may be used as a temporary bridge over a stream to allow vehicles access to the work site. Small sections of mat are placed within and along the stream parallel to the flow of water. Mats may then be placed perpendicular to the stream, resting on top of the initial construction mat supports. It may be necessary to place additional reinforcement for extra stability and to minimize the amount of sediment that could fall between the spaces of each timber.
- In areas where wildlife passage or migration is a consideration, mats may be installed
- in accordance with the diagram "Typical Stream Crossing with Swamp Mats."

 Mats should not be placed so that they restrict the natural flow of the stream.
- Minimize number of stream/wetland crossings. Where feasible, locate crossing site where stream channel is narrow for the shortest possible clear span and where stream banks are stable and well defined. For large wetland complexes, consider accessing structures from opposite sides where possible to avoid crossing the entire wetland.
- More than one layer of muts may be necessary in areas which are inundated or have deep organic wetland soils.

Construction Mat BMPs

Matted wetland crossings should be monitored to assure correct functioning of th muts. Inspect mats after use. Look for any defects or structural problems. Mats which become covered with soils or construction debris should be cleaned and the materials removed and disposed of in an upland location. The material should not be scraped and shoveled into the resource area. Mats which become imbedded must be reset or layered to prevent mud from covering them or water passing over them.

- Matting should be removed by "backing" out of the site, removing mats one at a time Any rutting or significant indentations identified during mat removal should be
- regraded immediately, taking care not to compact soils. Mats should be cleaned before transport to another wetland location to remove soil
- and any invasive plant species seed stock or plant material. · Mats shall be cleaned of soil and any invasive plant species seed stock or plant material from before installation.
- Cleaning methods may include but are not limited to shaking or dropping mats in a controlled manner with a piece of machinery to knock off attached soil and debris, spraying with water or air, and sweeping.
- Crossings should be inspected following mat removal to determine the level of
- Special precautions should be taken to promptly stabilize areas of disturbed soil located near wetlands and streams. Matted areas within wetlands shall be restored to their original condition and elevation. This may involve natural revegetation from existing root and seed stock of native plant species. Conditions may warrant planting and the broadcast of a wetland seed mix over the matted area to supplement the existing seed and rootstock. Seed mixes and vegetation shall contain only plant species native to New England. The use of mulch in wetlands shall consist of weedfree mulch to mitigate the risk of the spread of invasive plant species.





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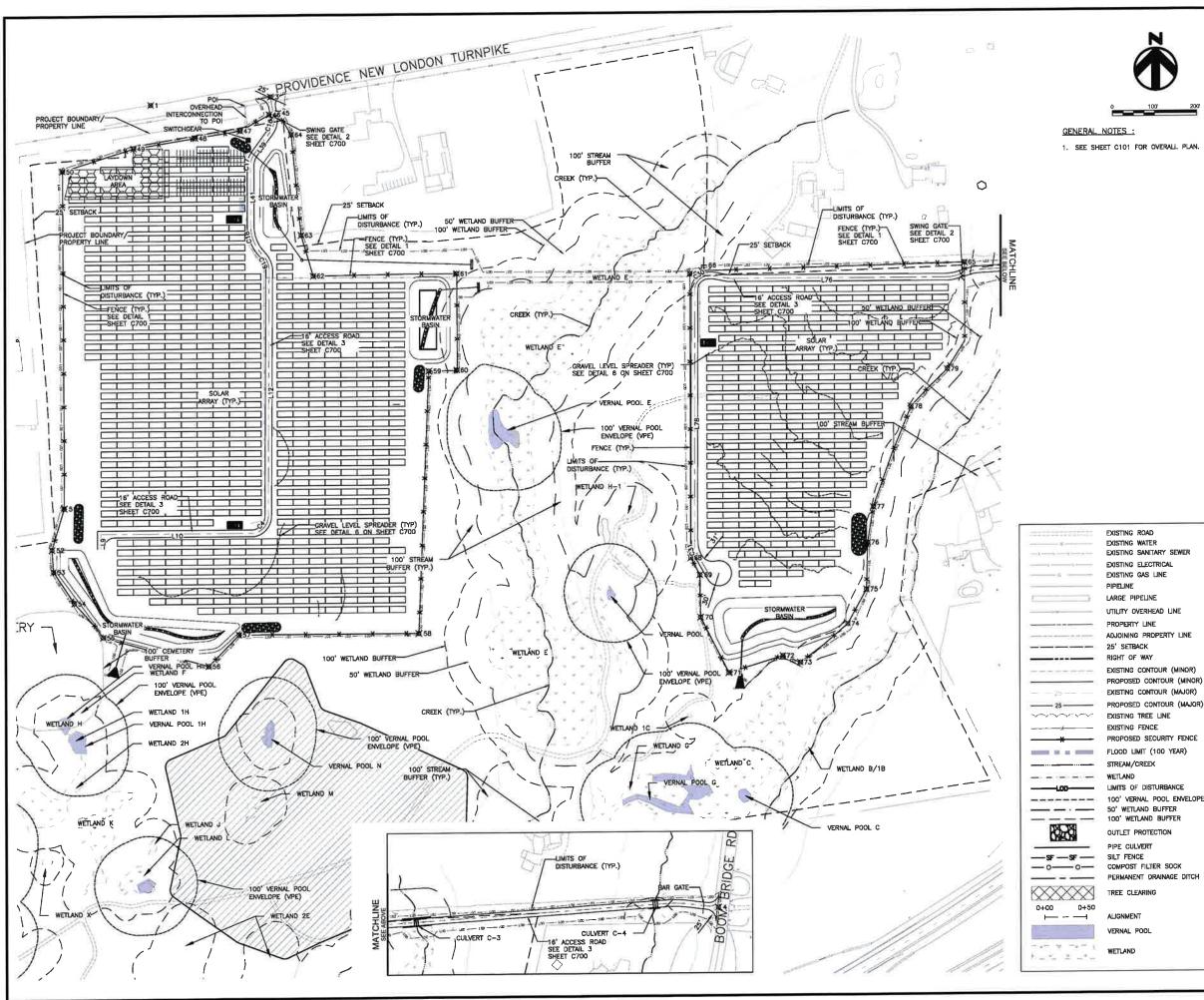
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8	RE-ISSUED FOR PERMIT	10/18/22

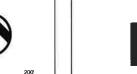
SHEET TITLE:

March 20

EROSION AND SEDIMENT CONTROL NOTES

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
DRAWN BY: JP	CHECKED BY: CP	AS NOTED





GENERAL NOTES :

1. SEE SHEET C101 FOR OVERALL PLAN.

EXISTING ROAD

EXISTING WATER

PIPELINE LARGE PIPELINE

25' SETBACK

RIGHT OF WAY

EXISTING SANITARY SEWER EXISTING ELECTRICAL EXISTING GAS LINE

UTILITY OVERHEAD LINE PROPERTY LINE

ADJOINING PROPERTY LINE

EXISTING CONTOUR (MINOR)

PROPOSED CONTOUR (MINOR)

EXISTING CONTOUR (MAJOR) PROPOSED CONTOUR (MAJOR

EXISTING TREE LINE

FLOOD LIMIT (100 YEAR)

LIMITS OF DISTURBANCE

50' WETLAND BUFFER 100' WETLAND BUFFER

COMPOST FILTER SOCK PERMANENT DRAINAGE DITCH

EXISTING FENCE PROPOSED SECURITY FENCE

STREAM/CREEK

PIPE CULVERT

TREE CLEARING

ALIGNMENT

WETLAND

WETLAND





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SHEET TITLE:

SITE PLAN 1

PROJ. ENGR. MB	DATE: 10/18/2022
CHECKED BY: CP	1:100
	MB CHECKED BY:

Line Table			
Une #	Length	Direction	
L9	35.000	NO 00 43.20 W	
L10	363.832	N89° 59' 16.80"E	
L12	588.305	NO* 20' 38.53"E	
1.39	61.997	N36" 36' 46.98"E	
L41	141.376	NO 00 43.20 W	
L76	524.495	S89' 54' 11.51"E	
L78	608.163	NO' 13' 13.54"E	

	Curve Table			
Curve #	Length	Radius	Delta	
C4	56,832	57	78.0752	
C16	40.515	41	46.4269	
C17	31.961	32	36.6250	
C18	76.497	76	44.7300	
C19	34.285	34	32.4316	
C30	50.58B	51	87.8320	
C31	17.406	17	30.2204	

	POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION	
1	720802.21	1254261.22	ACCESS ROAD ENTRANCE	
2	720995,62	1255412.07	ACCESS ROAD ENTRANCE	
3	720820.09	1254546.24	ACCESS ROAD ENTRANCE	
4	720433.20	1257078.42	ACCESS ROAD ENTRANCE	
45	720780.98	1254564.70	FENCE	
46	720777.29	1254543.36	FENCE	
47	720739.04	1254473.52	FENCE	
48	720722.34	1254367.2B	FENCE	
49	720698.33	1254220.32	FENCE	
50	720645.24	1254050.82	FENCE	
51	719843.75	1254053.26	FENCE	
52	719745.54	1254023.61	FENCE	
53	719693.41	1254027.31	FENCE	
54	719618.24	1254077.13	FENCE	
55	719536.57	1254146.06	FENCE	
56	719466.74	1254396.97	FENCE	
57	719540.72	1254488.69	FENCE	
58	719540.95	1254897.25	FENCE	
59	720164.29	1254922.17	FENCE	
60	720166.23	1254989.65	FENCE	

POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
61	720395.42	1254989.65	FENCE
62	720392.26	1254647.88	FENCE
63	720489.52	1254619.22	FENCE
64	720728.98	1254595.68	FENCE
65	720413.23	1258202.91	FENCE
86	720397.76	1255575.32	FENCE
67	720390.88	1255546.91	FENCE
68	719715.51	1255547.33	FENCE
69	719674.81	1255569.17	FENCE
70	719574.21	1255570.69	FENCE
71	719442.02	1255637.55	FENCE
72	719481.39	1255766.61	FENCE
73	719465.46	1255808.16	FENCE
74	719556.34	1255921.78	FENCE
75	719637.74	1255986.82	FENCE
76	719749.22	1255969.97	FENCE
77	719833.94	1255983.56	FENCE
78	720071.91	1256074.51	FENCE
79	720160.05	1256161.27	FENCE





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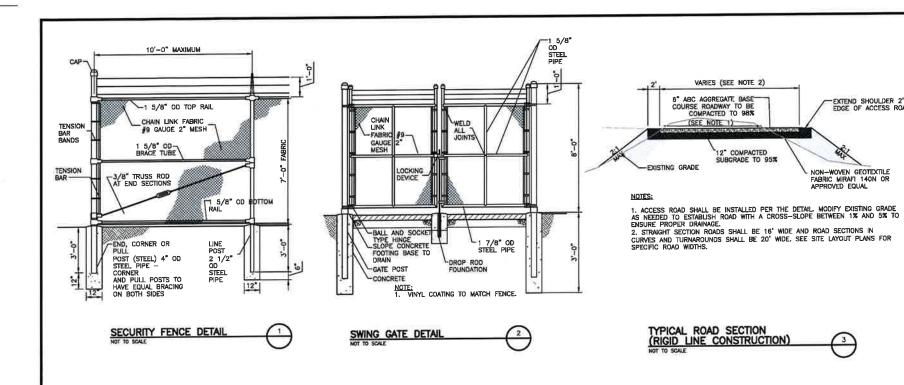
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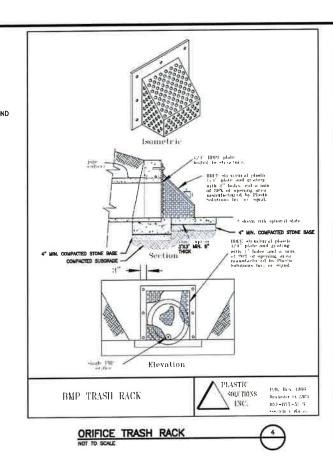
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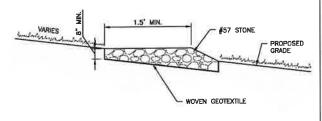
SHEET TITLE:

SITE PLAN DETAILS

PROJ. MGR.	PROJ. ENGR.	DATE:
CM	MB	10/18/2022
DRAWN BY:	CHECKED BY:	SCALE:
JP	CP	NTS







NOTES:

LEVEL SPREADERS SHALL BE INSTALLED WHERE GRADE EXCEEDS 8%.
 INSTALL LEVEL SPREADERS PERPENDICULAR TO THE SLOPE EVERY 100 LINEAR FEET.

GRAVEL LEVEL SPREADER





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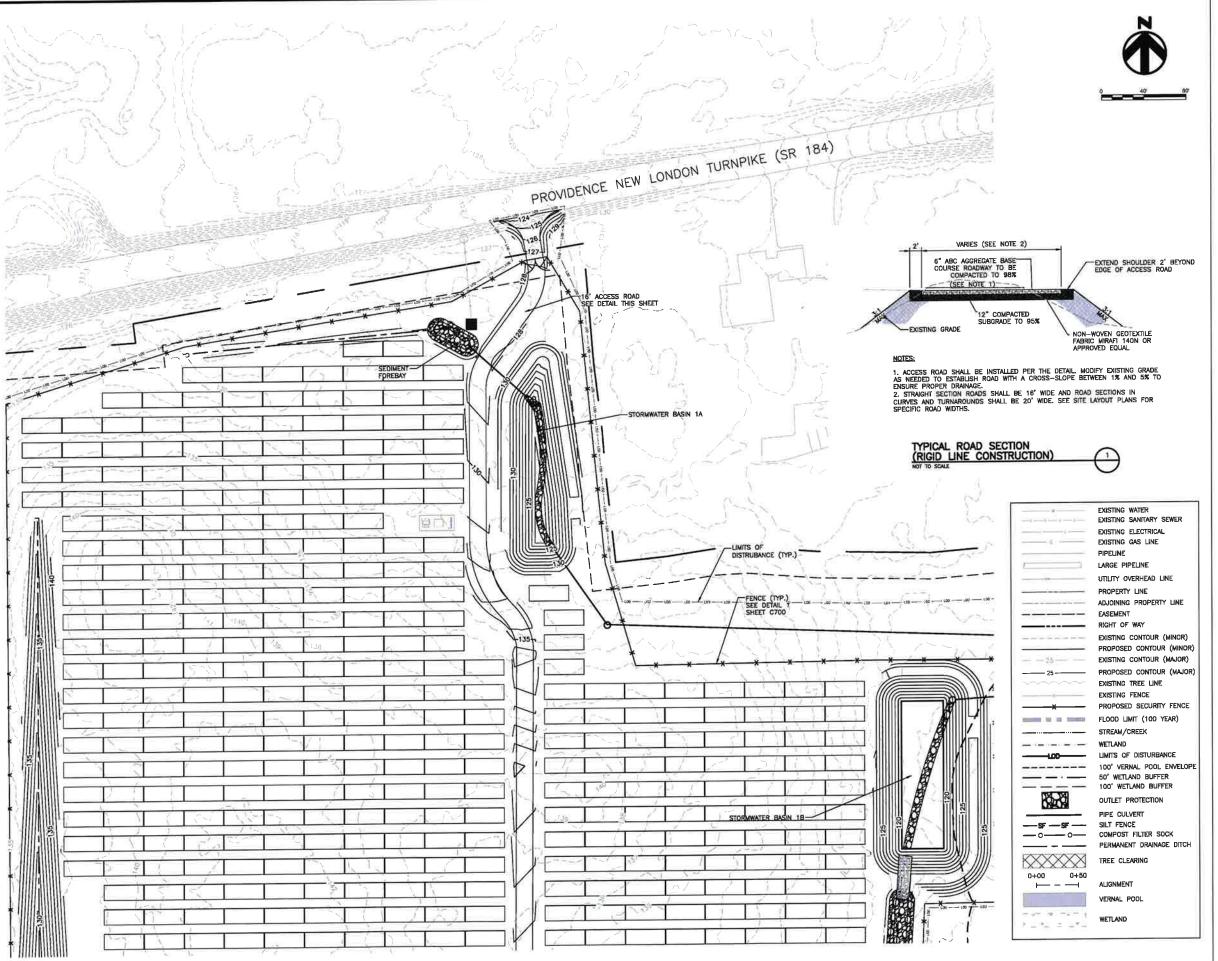
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8	RE-ISSUED FOR PERMIT	10/18/22

SHEET TITLE:

SITE ACCESS PLAN & CIVIL DETAILS

PROJ. MGR. CM	PROJ. ENGR. MB	DATE: 10/18/2022	
DRAWN BY:	CHECKED BY: CP	SCALE:	
DRAWING NO.			

ATTACHMENT 3







NOT FOR CONSTRUCTION

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REV. NO	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	09/30/20
1	RE-ISSUED FOR PERMIT	02/19/21
2	RE-ISSUED FOR PERMIT	05/28/21
3	RE-ISSUED FOR PERMIT	06/23/21
4	RE-ISSUED FOR PERMIT	11/19/21
5	RE-ISSUED FOR PERMIT	04/22/22

SHEET TITLE:

CTDOT ENCROACHMENT PERMIT EXHIBIT

PROJ. MGR. CM	PROJ. ENGR. MB	DATE: 04/22/2022
DRAWN BY: JP	CHECKED BY: CP	1:40
DRAWING NO.		

EXHIBIT