| General Information | | | | | | | | | |
|---|---|--|---|---------------------------------|------------------------|-----------------------------------|--|--|--|
| Weather conditions during inspection | 78* F, Mc | stly Sunny | Inspection start time | 11:35 AM | Inspection end time | 12:10 PM | | | |
| Inspector Name, Title Contact Information | | | Jonathan Niro, Environmental Scientist (BETA Group, Inc.) | | | | | | |
| Present Phase of Construction | | <u>iniro@beta-inc.com</u> (774)-573-9694 Phase 1. NOTE: The access road and stabilized construction entrance has been established pursuant to the Phase 1 scope of work. However, the entirety of the Site has been cleared of trees. No grubbing/stumping has occurred other than that required to establish the Site access road. | | | | | | | |
| Inspection Location | | North Sturbridge Road Solar Fa | cility – Entirety of Site | (0 North Sturbridge Road, Char | lton, MA 01507) | | | | |
| Standard Frequency Every 7 days | Inspection Frequency (Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply) Standard Frequency: Every 7 days Every 14 days and within 24 hours of a 0.25" rain or the occurrence of runoff from snowmelt sufficient to cause a discharge | | | | | | | | |
| Increased Frequence Every 7 days ar or Tier 3) | - | 4 hours of a 0.25" rain (for areas | of sites discharging to | o sediment or nutrient-impaired | waters or to water | s designated as Tier 2, Tier 2.5, | | | |
| Reduced Frequency | | | | | | | | | |
| | | o more than 14 calendar days o | | | | | | | |
| | 🗌 Twice during first month, no more than 14 calendar days apart; then once more within 24 hours of a 0.25" rain (for stabilized areas on "linear construction sites" | | | | | | | | |
| 🗌 Once per month and within 24 hours of a 0.25" rain (for arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought) | | | | | | during drought) | | | |
| Once per month (for frozen conditions where earth-disturbing activities are being conducted) | | | | | | | | | |
| Was this inspection triggered by a 0.25" storm event? 🛛 Yes 🗌 No | | | | | | | | | |
| If yes, how did you determined whether a 0.25" storm event has occurred? | | | | | | | | | |
| □ Rain gauge on site | | | | | | | | | |
| Total rainfall amount that triggered the inspection (inches): 0.55" | | | | | | | | | |
| Was this inspection triggered by the occurrence of runoff from snowmelt sufficient to cause a discharge? 🗌 Yes 🖾 No | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
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| L | | | | | | | | | |

Unsafe Conditions for Inspection

Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? 🗌 Yes 🛛 No

If "yes", complete the following:

- Describe the conditions that prevented you from conducting the inspection in this location: N/A
- Location where conditions were found: N/A

| Condition and Effectiveness of Erosion and Sediment (E&S) Controls (CGP Part 2.2) | | | | | |
|---|-------------------------|------------------------------------|---|--|--|
| Type/Location of E&S Control | Maintenance Needed?* | Corrective Action Required?* | Date on Which Maintenance or Corrective Action First Identified? | Notes | |
| 1. Silt Fence and Straw Wattles | No (As of 8/24/2021) | Νο | 7/22/2021 | During the 7/22/2021 inspection, an erosion control breach was observed along the northern erosion control line, at the western corner of Phase 1 (Discharge 1 – Figure 1). No sediment was discharged to a Water of the U.S. BETA recommended the maintenance of the siltation fencing as well as the installation of a supplemental 18" compost filter tube. A straw wattle was reinstalled, and the siltation fencing was not properly entrenched for a stretch of approximately 10'. The siltation fence remains improperly installed and requires maintenance to ensure efficacy of the erosion control measure . Evidence of concentrated stormwater runoff leaving the Site under this siltation fencing (i.e. channelization) was observed during this Site inspection. Evidence of leaf litter scour likely associated with this discharge was observed along the boundary of the downgradient Vegetated Wetland. | |
| | | | 8/23/2021 | An additional breach was observed along the northerly limits of work during this Site inspection (Discharge 2). Stormwater runoff has undercut an approximately 10-foot-long stretch of siltation fencing. The siltation fencing should be entrenched. If underlying stones prevent this from occurring, then the limit of work at this location should be protected with supplemental erosion controls, which could include installing two (2) rows of compost filters tubes at least 12 inches in diameter. | |
| | | | 8/24/2021 | Breaches associated with both Discharge 1 and Discharge 2 have been repaired. At the location of Discharge 1, the contractor installed a double row of straw bales and entrenched siltation | |

| | | | | fencing. At the location of Discharge 2, the contractor installed straw bales and siltation fencing, and spread straw and seed over the disturbed soils beyond the limits of work. <u>These maintenance</u> <u>items have been sufficiently addressed.</u> |
|--|-------------------------|-----|-----------|--|
| 2. Stabilized Construction Entrance (Site Entrance – Access Road) | No (As of 8/24/2021) | Νο | 8/23/2021 | Exposed soils are present at the western side of the stabilized construction entrance and have begun to erode. Exposed soils around the construction entrance should be stabilized. This can be completed through application of seed or placement of additional crushed stone to ensure that vehicle access does not cause erosion. |
| | | | 8/24/2021 | Exposed soils have been covered with crushed stone and straw bales have been implemented downgradient of the southwestern corner of the construction entrance. <u>This maintenance item has</u> <u>been addressed.</u> |
| 3. Stump and Soil Stockpile Area | No (As of 7/22/2021) | No | | Hydroseed was applied to exposed soil in this area and continues to germinate. |
| 4. Dust Controls | N/A | N/A | | |
| 5. Jute Mesh (Steep Slopes) | N/A | N/A | | |
| 6. Temporary Seeding | No (As of 8/24/2021) | No | 7/22/2021 | Hydroseed has been applied to the earthen access road and hand- application of seed was performed within the area beyond the limit of work that was subjected to Discharge 1. Germination was observed within areas of disturbed soils within the limits of work; however, little to no germination was observed within the disturbed area downgradient of the limit of work. Additional seed should be hand-applied in this area. |
| | | | 8/24/2021 | The areas downgradient of Discharges 1 and 2 have been stabilized with straw and seed. These areas will be monitored for germination and stabilization. |
| 7. Topsoil Re-Use | N/A | N/A | | |
| 8. Storm Drain Inlets (North Brookfield Road) | N/A | N/A | | |
| Temporary Drainage Swales (Throughout Site) | N/A | N/A | | |

Inspection Report for North Sturbridge Road Solar Facility NPDES ID No.: MAR10031G Inspection Date: 08/24/2021

| | N/A | N/A |
|-------------------------------|-----|-----|
| 10. Temporary Sediment Basins | | |
| (Throughout Site) | | |
| | | |
| | | |

| Condition and Effectiveness of Pollution Prevention (P2) Practices (CGP Part 2.3) | | | | | | |
|---|-------------------------|------------------------------------|---|-------|--|--|
| Type/Location of P2 Practices [insert additional rows if applicable] | Maintenance Needed?* | Corrective Action Required?* | Date on Which Maintenance or Corrective Action First Identified? | Notes | | |
| Equipment Refueling Staging Area | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| 2. Hydraulic Lines Staging/Work Areas | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| 3. Equipment Maintenance Staging Area | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| 4. Sanitary Toilets Staging Area | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| 5. Vehicle Accident Entire Site | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| Dumpsters Staging Area | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| 7. Solar Panel Installation Staging/Work Areas | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |
| 8. Concrete Washout | □Yes ⊠No | □Yes ⊠No | [Enter date] | | | |

* Note: The permit differentiates between conditions requiring routine maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition. Corrective actions are triggered only for specific conditions, which include: 1) A stormwater control needs repair or replacement (beyond routine maintenance) if it is not operating as intended; 2) A stormwater control necessary to comply with the permit was never installed or was installed incorrectly; 3) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 4) One of the prohibited discharges in Part 1.3 is occurring or has occurred; or 5) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.8. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources. See Part 5 of the permit for more information.

| Stabilization of Exposed Soil (CGP Part 2.2.14) | | | | | | |
|---|--------------------------|--------------------------------------|---|--|--|--|
| Stabilization Area [insert additional rows if applicable] | Stabilization Method | Have You Initiated Stabilization? | Notes | | | |
| Earthen access road leading to stockpile area | Straw mulch or hydroseed | ⊠Yes 7/30/2021 □No | The stockpile area and associated access road have been hydroseeded. Germination has begun and the area will be monitored for successful establishment. | | | |
| 2. Informal access road along northern portion of the Site | Straw mulch or hydroseed | ☐Yes [Enter date] ⊠No | Erosion channels are beginning to form within upgradient portions of the informal access road (Figure 1). The contractor indicated that stabilization by smoothing out soils and seeding or spreading mulch would occur on 7/30/2021. Stabilization of this area has not been initiated. After inspection of the area on 8/24/2021, it was determined that temporary swales would likely alleviate the issue of channelization in this area; however, these swales will not be constructed until work resumes at the Site in October (pending local approval). This area will continue to be monitored; however, stabilization is not required since the area is not discharging sediment beyond the limits of work. | | | |
| 3. Area beyond the limits of work at Discharge 1 | Hand application of seed | ⊠Yes 8/24/2021 □No | The sediment deposit previously observed has been removed from beyond the limits of work and the area has been seeded. No sediment migrated within 50 feet of a "water of the US". Straw and additional seed was applied on 8/24/2021 and will be monitored for successful establishment. | | | |
| 4. Area beyond limits of work at Discharge 2 | Hand application of seed | ⊠Yes 8/24/2021 □No | Scour beyond the limits of work resulting from runoff undercutting siltation fencing has been stabilized with straw and seed. This area will be monitored for successful establishment. | | | |

| Description of Discharges (CGP Part 4.6.6) | | | | | | |
|---|---|--|--|--|--|--|
| Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? Yes No If "yes", provide the following information for each point of discharge: | | | | | | |
| Discharge Location | charge Location Observations | | | | | |
| N/A – No discharges observed. | Describe the discharge: N/A At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue: N/A | | | | | |

Contractor or Subcontractor Signature and Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Contractor or Subcontractor:

Printed Name and Affiliation:

Operator Signature and Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Operator or "Duly Authorized Representative": _

- foruther A. Mi Date: 8/24/2021

Date:

Printed Name and Affiliation: Jonathan Niro (BETA Group, Inc.)

Photo 1



View of the repaired erosion control measures associated with Discharge 1—facing north-west.



View of stabilization measures implemented beyond the limits of work at the location of Discharge 1—facing south.

PHOTOGRAPHIC DOCUMENTATION

North Sturbridge Road Solar Facility Charlton, Massachusetts Photographs Documented 08.24.2021

Photo 3



View of the repaired erosion control breach associated with Discharge 2; note the stabilization of exposed soils beyond the limits of work—facing northeast.

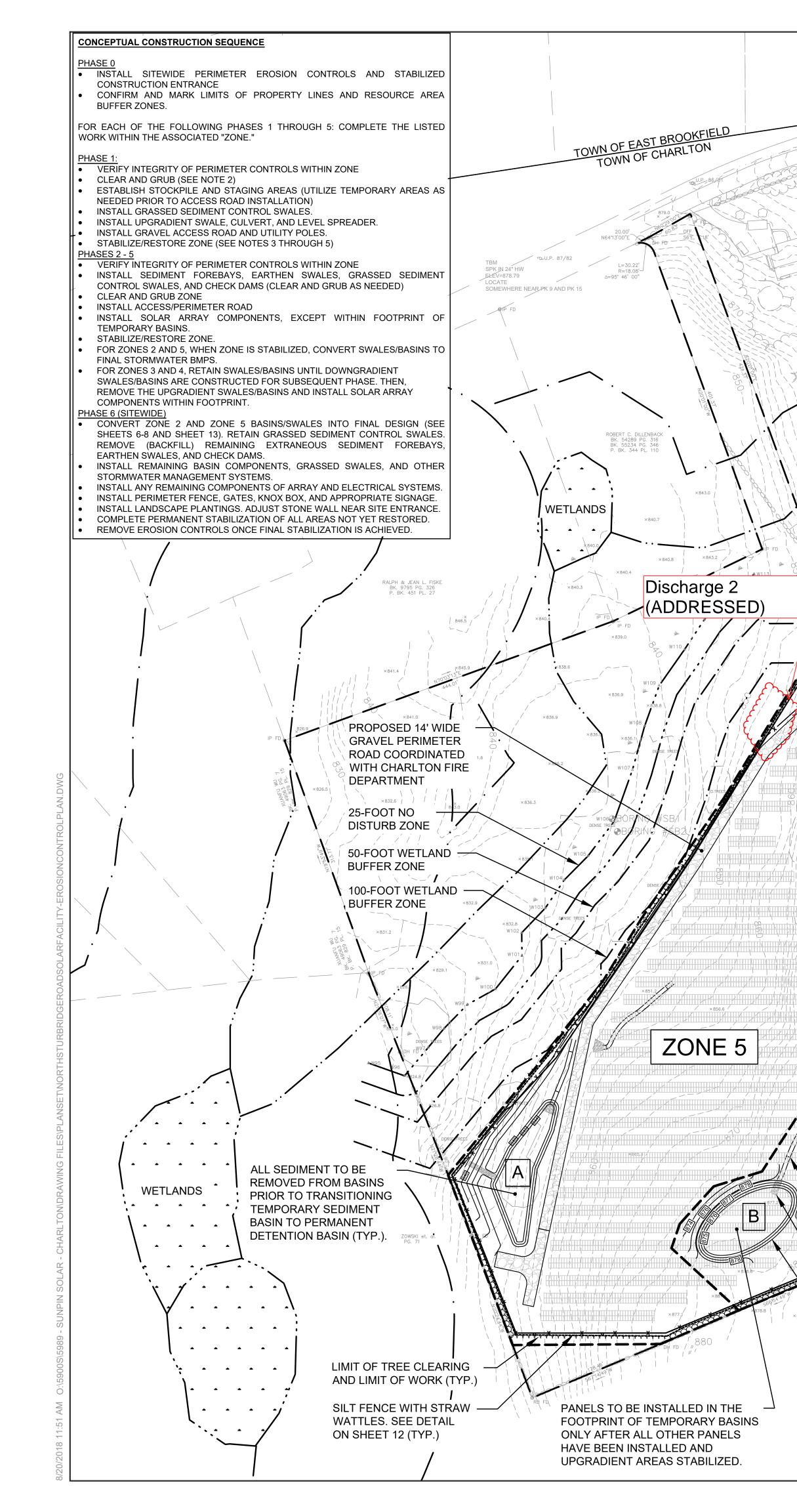
Photo 4



View of exposed soils stabilized at the construction entrance; note the implementation of straw bales—facing south.

PHOTOGRAPHIC DOCUMENTATION

North Sturbridge Road Solar Facility Charlton, Massachusetts Photographs Documented 08.24.2021



Discharge 1 (ADDRESSED) ZONE . & MARY A. Location of channelization within machinery tracks ZONE 2 ⅈ₣╢ ZONE 3 ZONE 4 یف یف . × 907.9 LEGEND DEVELOPME BK. 26831 PG. PL. BK. 718 PL عد عد -----* * * | • • • AM - PROPOSED PERM SWALE FOR SEDI INSTALL ADDITION ACCESS ROAD AS ENGINEER. SEE D | • • •

.

STUMPS TO REMAIN IN UNDEVELOPED —— AREAS BETWEEN FENCE AND PROPOSED TREELINE (TYP.)

PROPOSED 7'-6" HIGH CHAIN-LINK
 PERIMETER FENCE 6" OFF GROUND.
 LIMIT OF GRUBBING AND TOPSOIL
 REMOVAL AT FENCELINE (TYP.)

- TEMPORARY EARTHEN SWALE (TYP.). SLOPE NOT TO EXCEED 5%

 STONE CHECK DAM SPACED AT MAXIMUM 100' INTERVAL (TYP.)
 RIPRAP APRON (TYP.)

TEMPORARY SEDIMENT BASIN (TYP.) NOTES:
1. THIS SEQUENCING PLAN IS FOR CONCEPTUAL PURPOSES ONLY. THE FOR THIS PROJECT MAY DEVIATE FROM THIS PLAN SO LONG AS IT MEET PLANSET, PROJECT STORMWATER MANAGEMENT REPORT, AND TOWN ACTIVITIES MAY BE REQUIRED AT THE SITE BEYOND THOSE PRESENTED
2. NO GRUBBING OR TOPSOIL REMOVAL SHALL BE CONDUCTED OUTSID

NEEDED FOR INSTALLATION OF SITE FEATURES.
3. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 14 D TEMPORARILY OR PERMANENTLY CEASED ON THAT PORTION OF THE MORE THAN SEVEN DAYS SHALL BE STABILIZED WITH PERENNIAL RYE OF
4. ALL EXISTING AND PROPOSED STEEP SLOPES (2:1 OR STEEPER, OR A

WITH JUTE MESH EROSION CONTROL MAT OR APPROVED EQUIVALENT.
5. ALL CATCH BASINS AND DRAIN INLETS WITHIN THE VICINITY OF THE PI (OR APPROVED EQUAL) AS DIRECTED BY ENGINEER. REFER TO DETAIL

 LOCATIONS AND CONFIGURATION OF STAGING AREAS, STOCKPILES, E. PRELIMINARY ONLY. FINAL CONFIGURATION OF EROSION CONTRO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED PRICE
 SEDIMENT BASINS SHALL BE DESIGNED TO MEET A STORAGE VOLUME OR SIZED BASED ON APPROPRIATE HYDROLOGIC CALCULATIONS. BA HOURS AFTER A STORM EVENT.

 NO WORK SHALL BE CONDUCTED WITHIN RESOURCE AREAS OR THEIF CARE SHALL BE TAKEN TO ENSURE NO SEDIMENTATION OCCURS TO THE
 ALL STOCKPILES AND DISTURBED AREAS SHALL BE STABILIZED IF EXPORE

| PROPOSED STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL ON SHEET 12 | | | PREPARED BY |
|---|--|------------|---|
| PROPOSED CULVERT, WITH FLAR END, SWALE, LEVEL SPREADER, A RIPRAP APRON. SEE SHEETS 6-8. | | | PREPARED FOR: |
| PROPOSED 18' WIDE GRAVEL ACC | NORTH STURBE | RIDGE ROAD | |
| AT SITE ENTRANCE WITH STONE E | 3ERM | | Nextera Energy, Inc. 700 Universe Blvd. Juno Beach, FL, 33408 |
| PROPOSED CONSTRUCTION STAC GRAVEL ROADWAY AT SITE ENTRA TEMPORARY CONSTRUCTION FEN BY ENGINEER. | ANCE. INSTALL | | |
| PROPOSED STUMP AND SOIL STOP AREA AT SITE ENTRANCE. STOCKI SURROUNDED WITH SILT FENCE | | | |
| PROPOSED 14' WIDE GRAVEL ACCESS ROAD WITHIN SITE LIMIT OF PROPERTY | | | |
| 99 ^{17531/27*E} 185.64 ¹ | 100-FOOT WETLAND | | NORTH STURBRIDGE ROAD SOLAR FACILITY |
| ×925.0 | BUFFER ZONE / 50-FOOT WETLAND BUFFER ZONE | | North Sturbridge Road Charlton, MA |
| ×913.2 | 25-FOOT NO DISTURB ZONE | | FIGURE 1: SWPPP |
| x102 x102 x104 x107 x104 x107 x104 x107 x100 x105 x105 x107 x107 x107 x107 x107 x107 x107 x107 | | | INSPECTION SKETCH |
| x907.9 x106' 8 | | | 8/26/2021 9 ADJUSTED BASIN DESIGN 8/17/2021 |
| HARLAN W. STOCKMAN MARVIN R. STOCKMAN BK. 5271 PG. 472 | |) | 8ADJUSTED NOTES7/23/20217ADJUSTED ARRAY LAYOUT4/9/20216ADJUSTED ARRAY LAYOUT3/10/20215REVISED ARRAY LIMITS. ADDED SEQUENCING INFORMATION.1/6/20214ADDED PERIMETER ACCESS ROAD AND REVISED ARRAY LIMITS3/5/20203ADDED STONE BERM AND LEVEL SPREADER9/19/2018 |
| ^{34'} ^{58'} w × ^{907.9} • WETLANDS • • | | | 2 ADDED BAR GATE AT ROAD ENTRANCE AND CULVERT BENEATH ACCESS ROAD. ADJUSTED FRONT GATE DESCRIPTION. 10/31/2018 1 ADJUSTED FENCE. ADDED RELOCATED STONE WALL TO SITE ENTRANCE 9/19/2018 NO. REVISIONS DATE |
| | 1 | | DRAWN BY: SLB DESIGNED BY: SLB |
| | | | CHECKED BY: DPR |
| | | | ISSUE DATE:SEPTEMBER 12, 2018BETA JOB NO.:5989 |
| ANENT GRASSED MENT CONTROL (TYP.) NAL SWALES ALONG DIRECTED BY ETAIL ON SHEET 13. | | | |
| TS THE REQUIREMENTS OF THE PROJECT SITE N REGULATIONS. ADDITIONAL CONSTRUCTION D ON THIS PLAN. E OF THE PROPOSED FENCELINE EXCEPT AS DAYS AFTER A CONSTRUCTION ACTIVITY HAS | | | Owner: Sturbridge Road Solar Farm, LLC. Land Development Permit Number: |
| E SITE. ANY DISTURBED AREA EXPOSED FOR GRASS SEEDING OR APPROVED EQUIVALENT. S DIRECTED BY ENGINEER) TO BE STABILIZED | BOARD APPROVAL | | 8 <u>0 0 80 16</u> 0 |
| ROJECT LIMITS TO BE FITTED WITH SILT SACK ON SHEET 12. ARTHEN SWALES, AND SEDIMENT BASINS ARE DL DEVICES SHALL BE DETERMINED BY A | | | SCALE IN FEET: 1"=80' UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION |
| OR TO CONSTRUCTION. OF 3,600 CU. FT. PER ACRE OF DISTURBANCE SINS MUST BE FULLY DEWATERED WITHIN 72 | | | SHEET NO. |
| R ASSOCIATED BUFFER ZONES, AND EXTREME IESE AREAS. DSED FOR MORE THAN 30 DAYS. | DATE | | 4 |