Inspection Report for North Sturbridge Road Solar Facility NPDES ID No.: MAR10031G

Inspection Date: 11/15/2021

General Information									
Weather conditions during inspection	48°F, cloudy		Inspection 10:45AM	1	Inspection end time	11:30 AM			
Inspector Name, Title Contact Information	&	Chanler Florian, Environmenta cflorian@beta-inc.com	8603	Scientist (BETA Group, Inc.) 8603297045					
Present Phase of Construction		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 Facility - Entirety of Site (0 North Sturbridge Road, Charlton, MA 01507)									
Standard Frequency:		may be subject to different inspec	·		.,,,,,				
Increased Frequency  Every 7 days or Tier 3)  Reduced Frequency:  Twice during first	r: and within month, no	24 hours of a 0.25" rain or the occurrence of a 0.25" rain (for area of more than 14 calendar days as a more than 14 calendar days as	as of sites discharging to art; then once per m	to sediment or nutrient-impaired	d waters or to wate ized areas)				
<ul> <li>□ 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")</li> <li>□ 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)</li> <li>□ Once per month (for frozen conditions where earth-disturbing activities are being conducted)</li> </ul>									
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 ☐ Weather station representative of site. Specify weather station source: Worcester Regional Airport  Total rainfall amount that triggered the inspection (inches): 0.25"  Was this inspection triggered by the occurrence of runoff from snowmelt sufficient to cause a discharge? ☐ Yes ☐ No									

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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?*				
1. Silt Fence and Straw Wattles	Yes (As of 9/2/2021)	No	9/2/ 2021	A breach was observed at Discharge 2. Although the double row of straw bales is intact, silt fence was observed to be knocked over and signs of stormwater flow were detected in the area beyond the fence.  A minor tear was identified in a section of silt fence on the southern side of the Site with no erosion observed.  Minor degradation of a straw wattle was observed on the southeastern side of the Site; no erosion was observed but pools of water were found to be forming behind the straw wattle.	
Stabilized Construction Entrance (Site Entrance – Access Road)      Stump and Soil Stockpile Area	No (As of 9/2/2021)	No		A tree was knocked over and laying on the silt fence on the on the northwestern portion of the site in Zone 5.  Hydroseed was applied to exposed soil in this area and continues to germinate, some grass seedlings are now observed.	
Stump and soil stockpile Alea     Dust Controls	7/22/2021) N/A	No N/A	10/29/ 2021	Minor tears were observed in the silt fence along the eastern boundaries of the Site, due to staples becoming dislodged from wooden stakes. The straw wattles are still intact.	
5. Jute Mesh (Steep Slopes)	N/A	N/A			
6. Temporary Seeding	No (As of 9/2/2021)	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	

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						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.
				10/05/ 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	N/A	N/A				Seedling growth is observed
(North Brookfield Road)				10/29/		Localized pooling is ob-
Temporary Drainage Swales	N/A	N/A		2021		served in the eastern portion of the site.
(Throughout Site)	N/A	N/A				
10 Tomporary Sodimont Pasins						
						on (P2) Practices (CGP Part 2.3)
Type/Location of P2 Practices [insert additional rows if applicable]	Maintenance Needed?*	Corrective Action Required?*	Mainte Correc	n Which nance or tive Action entified?	Notes	
Equipment Refueling	□Yes ⊠No	□Yes ⊠No	[Enter o	date]		
Staging Area						
2. Hydraulic Lines	□Yes ⊠No	□Yes ⊠No	[Enter o	date]		
Staging/Work Areas	□Yes ⊠No	□Yes ⊠No	[Enter o	date]		
3. Equipment Maintenance						
Staging Area	□Yes ⊠No	□Yes ⊠No	[Enter o	date]		
4. Sanitary Toilets	□Yes ⊠No	□Yes ⊠No	[Enter o	date]		
Staging Area						
5. Vehicle Accident	□Yes ⊠No	□Yes ⊠No	[Enter o	date]		
Entire Site	□Yes ⊠No	. □Yes ⊠No	[Enter o	date]	·	

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Staging/Work Areas				
8. Concrete Washout	□Yes⊠No	□Yes⊠No	[Enter date]	

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.			
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			

<sup>\*</sup> 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 <a href="https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources">https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources</a>. See Part 5 of the permit for more information.

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			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.
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.
Area beyond limits of work at     Discharge 2	Hand application of seed	□Yes Enter Date ⊠No	Stabilization required

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	Observations				
Discharge 1	Describe the discharge: Breach in silt fence allowed runoff to bypass erosion controls.  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?   Yes  No  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: Small areas of bare soil observed in area immediately beyond perimeter controls. Repairs to erosion controls and re-seeding of damaged areas is required.				

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#### 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:

Date:

#### **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."

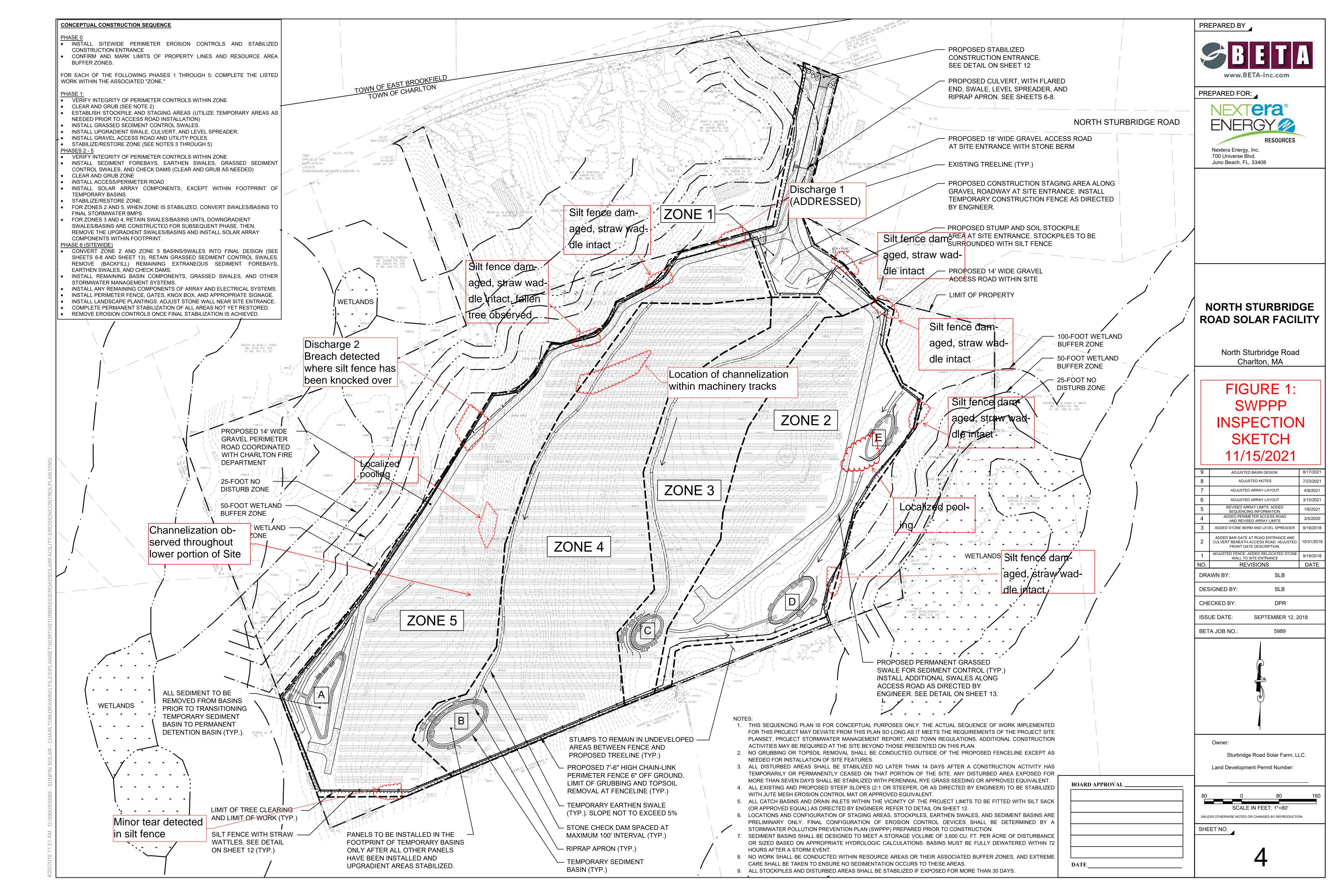
Signature of Operator or "Duly Authorized Representative":

Date:

Printed Name and Affiliation:

Chanler Florian

11/15/2021





View of tree fallen on northwestern portion of Zone 5.

### Photo 2



View of area downgradient of Discharge 2—facing north west.



Photo 4

View of the damaged silt fence in southern perimeter of Site —facing south.



View of damaged silt fence in south west portion of the Site —facing south west



View of the water pooling in eastern perimeter of Site —facing south east.

### Photo 6



View of damaged silt fence in south west portion of the Site —facing south west



View of damaged silt fence in eastern portion of the Site —facing east

### Photo 8



View of damaged silt fence in eastern portion of the Site —facing east



View of damaged silt fence in eastern portion of the Site —facing east

### Photo 10



View of damaged silt fence in north western portion of the Site —facing north west