CONCEPTUAL CONSTRUCTION SEQUENCE

PHASE 0
- INSTALL SITEWIDE PERIMETER EROSION CONTROLS AND STABILIZED CONSTRUCTION ENTRANCE
- CONFIRM AND MARK LIMITS OF PROPERTY LINES AND RESOURCE AREA BUFFER ZONES.

FOR EACH OF THE FOLLOWING PHASES 1 THROUGH 5: COMPLETE THE LISTED WORK WITHIN THE ASSOCIATED "ZONE."

PHASE 1:
- VERIFY INTEGRITY OF PERIMETER CONTROLS WITHIN ZONE
- CLEAR AND GRUB (SEE NOTE 2)
- ESTABLISH STOCKPILE AND STAGING AREAS (UTILIZE TEMPORARY AREAS AS NEEDED PRIOR TO ACCESS ROAD INSTALLATION)
- INSTALL GRASSED SEDIMENT CONTROL SWALES.
- INSTALL UPGRADIENT SWALE, CULVERT, AND LEVEL SPREADER.
- INSTALL GRAVEL ACCESS ROAD AND UTILITY POLES.
- STABILIZE/RESTORE ZONE (SEE NOTES 3 THROUGH 5)

PHASES 2 - 5
- VERIFY INTEGRITY OF PERIMETER CONTROLS WITHIN ZONE
- INSTALL SEDIMENT FOREBAYS, EARTHEN SWALES, GRASSED SEDIMENT CONTROL SWALES, AND CHECK DAMS (CLEAR AND GRUB AS NEEDED)
- CLEAR AND GRUB ZONE
- INSTALL ACCESS/PERIMETER ROAD
- INSTALL SOLAR ARRAY COMPONENTS, EXCEPT WITHIN FOOTPRINT OF TEMPORARY BASINS.
- STABILIZE/RESTORE ZONE.
- FOR ZONES 2 AND 5, WHEN ZONE IS STABILIZED, CONVERT SWALES/BASINS TO FINAL STORMWATER BMPS.
- FOR ZONES 3 AND 4, RETAIN SWALES/BASINS UNTIL DOWNGRADIENT SWALES/BASINS ARE CONSTRUCTED FOR SUBSEQUENT PHASE. THEN, REMOVE THE UPGRADIENT SWALES/BASINS AND INSTALL SOLAR ARRAY COMPONENTS WITHIN FOOTPRINT.

PHASE 6 (SITEWIDE)
- CONVERT ZONE 2 AND ZONE 5 BASINS/SWALES INTO FINAL DESIGN (SEE SHEETS 6-8 AND SHEET 13). RETAIN GRASSED SEDIMENT CONTROL SWALES. REMOVE (BACKFILL) REMAINING EXTRANEOUS SEDIMENT FOREBAYS, EARTHEN SWALES, AND CHECK DAMS.
- INSTALL REMAINING BASIN COMPONENTS, GRASSED SWALES, AND OTHER STORMWATER MANAGEMENT SYSTEMS.
- INSTALL ANY REMAINING COMPONENTS OF ARRAY AND ELECTRICAL SYSTEMS.
- INSTALL PERIMETER FENCE, GATES, KNOX BOX, AND APPROPRIATE SIGNAGE.
- INSTALL LANDSCAPE PLANTINGS. ADJUST STONE WALL NEAR SITE ENTRANCE.
- COMPLETE PERMANENT STABILIZATION OF ALL AREAS NOT YET RESTORED.
- REMOVE EROSION CONTROLS ONCE FINAL STABILIZATION IS ACHIEVED.

TOWN OF EAST BROOKFIELD
TOWN OF CHARLTON

NORTH STURBRIDGE ROAD

PROPOSED STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL ON SHEET 12

PROPOSED CULVERT, WITH FLARED END, SWALE, LEVEL SPREADER, AND RIPRAP APRON. SEE SHEETS 6-8.

PROPOSED 18' WIDE GRAVEL ACCESS ROAD AT SITE ENTRANCE WITH STONE BERM

EXISTING TREELINE (TYP.)

PROPOSED CONSTRUCTION STAGING AREA ALONG GRAVEL ROADWAY AT SITE ENTRANCE. INSTALL TEMPORARY CONSTRUCTION FENCE AS DIRECTED BY ENGINEER.

PROPOSED STUMP AND SOIL STOCKPILE AREA AT SITE ENTRANCE. STOCKPILES TO BE SURROUNDED WITH SILT FENCE

PROPOSED 14' WIDE GRAVEL ACCESS ROAD WITHIN SITE

LIMIT OF PROPERTY

100-FOOT WETLAND BUFFER ZONE

50-FOOT WETLAND BUFFER ZONE

25-FOOT NO DISTURB ZONE

Discharge 1

Discharge 2

ZONE 1

ZONE 2

ZONE 3

ZONE 4

ZONE 5

WETLANDS

PROPOSED 14' WIDE GRAVEL PERIMETER ROAD COORDINATED WITH CHARLTON FIRE DEPARTMENT

25-FOOT NO DISTURB ZONE

50-FOOT WETLAND BUFFER ZONE

100-FOOT WETLAND BUFFER ZONE

ALL SEDIMENT TO BE REMOVED FROM BASINS PRIOR TO TRANSITIONING TEMPORARY SEDIMENT BASIN TO PERMANENT DETENTION BASIN (TYP.).

LIMIT OF TREE CLEARING AND LIMIT OF WORK (TYP.)

SILT FENCE WITH STRAW WATTLES. SEE DETAIL ON SHEET 12 (TYP.)

PANELS TO BE INSTALLED IN THE FOOTPRINT OF TEMPORARY BASINS ONLY AFTER ALL OTHER PANELS HAVE BEEN INSTALLED AND UPGRADIENT AREAS STABILIZED.

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.)

PROPOSED PERMANENT GRASSED SWALE FOR SEDIMENT CONTROL (TYP.) INSTALL ADDITIONAL SWALES ALONG ACCESS ROAD AS DIRECTED BY ENGINEER. SEE DETAIL ON SHEET 13.

NOTES:
1. THIS SEQUENCING PLAN IS FOR CONCEPTUAL PURPOSES ONLY. THE ACTUAL SEQUENCE OF WORK IMPLEMENTED FOR THIS PROJECT MAY DEVIATE FROM THIS PLAN SO LONG AS IT MEETS THE REQUIREMENTS OF THE PROJECT SITE PLANSET, PROJECT STORMWATER MANAGEMENT REPORT, AND TOWN REGULATIONS. ADDITIONAL CONSTRUCTION ACTIVITIES MAY BE REQUIRED AT THE SITE BEYOND THOSE PRESENTED ON THIS PLAN.
2. NO GRUBBING OR TOPSOIL REMOVAL SHALL BE CONDUCTED OUTSIDE OF THE PROPOSED FENCELINE EXCEPT AS NEEDED FOR INSTALLATION OF SITE FEATURES.
3. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 14 DAYS AFTER A CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED ON THAT PORTION OF THE SITE. ANY DISTURBED AREA EXPOSED FOR MORE THAN SEVEN DAYS SHALL BE STABILIZED WITH PERENNIAL RYE GRASS SEEDING OR APPROVED EQUIVALENT.
4. ALL EXISTING AND PROPOSED STEEP SLOPES (2:1 OR STEEPER, OR AS DIRECTED BY ENGINEER) TO BE STABILIZED WITH JUTE MESH EROSION CONTROL MAT OR APPROVED EQUIVALENT.
5. ALL CATCH BASINS AND DRAIN INLETS WITHIN THE VICINITY OF THE PROJECT LIMITS TO BE FITTED WITH SILT SACK (OR APPROVED EQUAL) AS DIRECTED BY ENGINEER. REFER TO DETAIL ON SHEET 12.
6. LOCATIONS AND CONFIGURATION OF STAGING AREAS, STOCKPILES, EARTHEN SWALES, AND SEDIMENT BASINS ARE PRELIMINARY ONLY. FINAL CONFIGURATION OF EROSION CONTROL DEVICES SHALL BE DETERMINED BY A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED PRIOR TO CONSTRUCTION.
7. SEDIMENT BASINS SHALL BE DESIGNED TO MEET A STORAGE VOLUME OF 3,600 CU. FT. PER ACRE OF DISTURBANCE OR SIZED BASED ON APPROPRIATE HYDROLOGIC CALCULATIONS. BASINS MUST BE FULLY DEWATERED WITHIN 72 HOURS AFTER A STORM EVENT.
8. NO WORK SHALL BE CONDUCTED WITHIN RESOURCE AREAS OR THEIR ASSOCIATED BUFFER ZONES, AND EXTREME CARE SHALL BE TAKEN TO ENSURE NO SEDIMENTATION OCCURS TO THESE AREAS.
9. ALL STOCKPILES AND DISTURBED AREAS SHALL BE STABILIZED IF EXPOSED FOR MORE THAN 30 DAYS.

BOARD APPROVAL _____

DATE _____

PREPARED BY

BETA
www.BETA-Inc.com

PREPARED FOR:

NEXTera ENERGY RESOURCES

Nextera Energy, Inc.
700 Universe Blvd.
Juno Beach, FL, 33408

NORTH STURBRIDGE ROAD SOLAR FACILITY

North Sturbridge Road
Charlton, MA

APPROXIMATE DISCHARGE LOCATIONS 8/23/2021

NO.	REVISIONS	DATE
9	ADJUSTED BASIN DESIGN	8/17/2021
8	ADJUSTED NOTES	7/23/2021
7	ADJUSTED ARRAY LAYOUT	4/9/2021
6	ADJUSTED ARRAY LAYOUT	3/10/2021
5	REVISED ARRAY LIMITS. ADDED SEQUENCING INFORMATION.	1/6/2021
4	ADDED PERIMETER ACCESS ROAD AND REVISED ARRAY LIMITS	3/5/2020
3	ADDED STONE BERM AND LEVEL SPREADER	9/19/2018
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

DRAWN BY:	SLB
DESIGNED BY:	SLB
CHECKED BY:	DPR
ISSUE DATE:	SEPTEMBER 12, 2018
BETA JOB NO.:	5989

Owner:

Sturbridge Road Solar Farm, LLC.

Land Development Permit Number:

_____

80 0 80 160
SCALE IN FEET: 1"=80'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

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