# MAJOR SITE PLAN & SPECIAL PERMIT

## PARCEL NUMBER 35-0-12 **GREENWICH ROAD** TOWN OF WARE COUNTY OF HAMPSHIRE, MASSACHUSETTS

TOWN OF WARE

ZONE - RR AREA -60,000 S.F. FRONTAGE - 150' FRONT - 25 FT. (SOLAR) SIDE - 25 FT. (SOLAR) REAR - 25 FT. (SOLAR) 50 FT. MIN BUFFER TO RESIDENTIAL USE

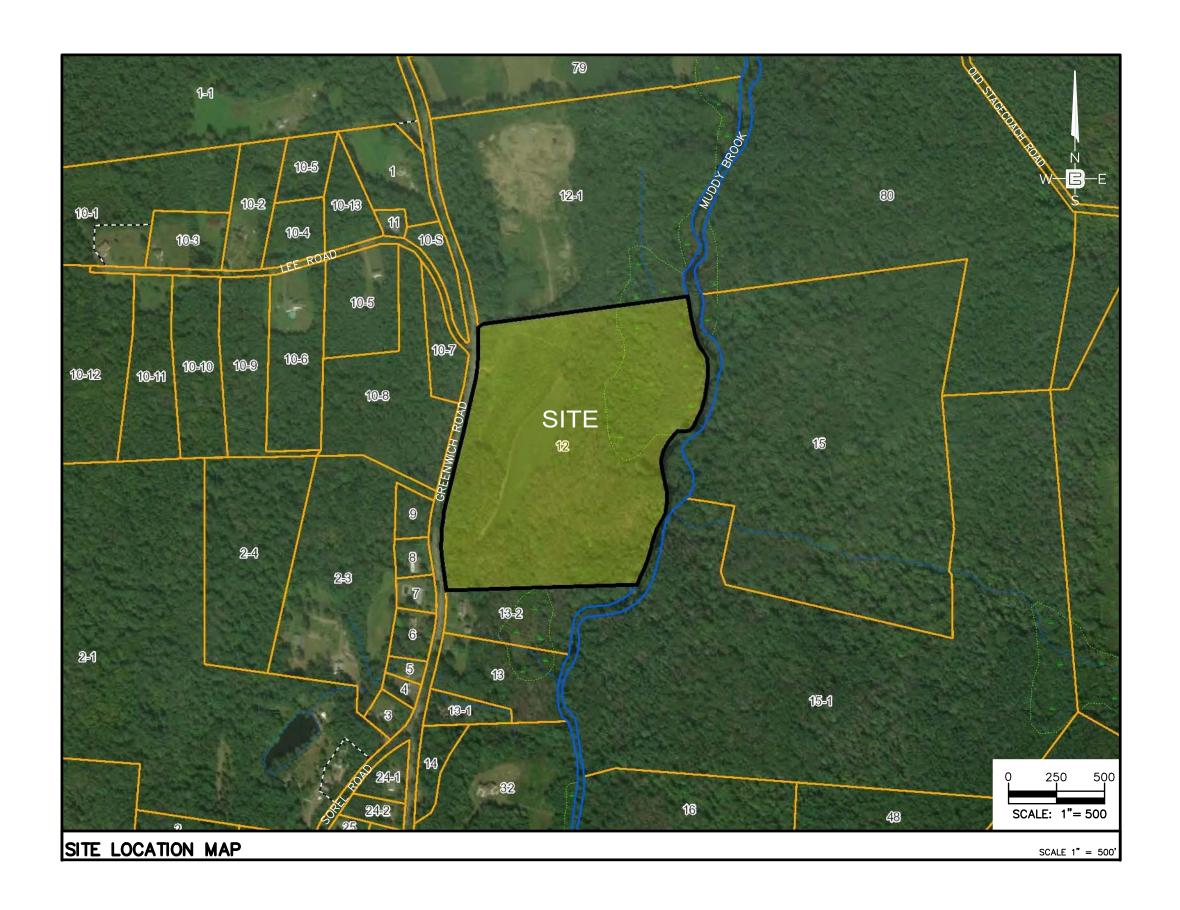
RECORD PARCELS (ASSESSORS) WARE 35-0-12

RECORD OWNERS F.T. SMITH TRUCKING AND EXCAVATING

NEW BRAINTREE, MA DB.8579 PG.277

DEVELOPER/APPLICANT

WARE SOLAR III LLC MELINK SOLAR DEVELOPMENT 276 N. FOREST AVE. NE MARIETTA, GA 30060



WN OF	WARE	PLANNING	BOARD

	DRAWNG LIST				
DWG. #	DRAWING TITLE	DATED/ LAST REVISED	REV. #		
C1.1	COVER SHEET	04-16-21	3		
C1.2	EXISTING CONDITIONS PLAN	04-16-21	2		
C2.1	SOIL EROSION & SEDIMENT CONTROL PLAN	04-16-21	3		
C2.2	SITE PLAN	04-16-21	3		
C2.3	GRADING & DRAINAGE PLAN (SECTION 1)	04-16-21	3		
C2.4	GRADING & DRAINAGE PLAN (SECTION 2)	04-16-21	3		
C2.5	VEHICLE CIRCULATION PLAN	10-21-19	0		
C2.6	RIVERFRONT DISTURBANCE PLAN	04-16-21	0		
C3.1	SITE & DRAINAGE DETAILS	10-28-19	1		
C3.2	SITE DETAILS - 2	10-21-19	0		
C3.3	SOIL EROSION & SEDIMENT CONTROL AND LANDSCAPE DETAILS	04-16-21	2		

ERIN



CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER

BRUCE A. FITZBACK, P.L.S PROFESSIONAL LAND SURVEYOR MA LIC. NO. 37731 CT LIC. NO. 16970

NOT VALID UNTIL SEALED				
	E.Q.	E.Q.	E.Q.	
	4-16-21 REVISION TO DRAWLING LIST	3-05-20 REVISION TO DRAWLING LIST	3-28-19 REVISION TO RECORD OWNERS LIST AND DRAWLING LIST	REVISION
	4-16-2	3-05-2	)-28-1	DATE

**COVER SHEET** 

### LARGE SCALE SOLAR ARRAY

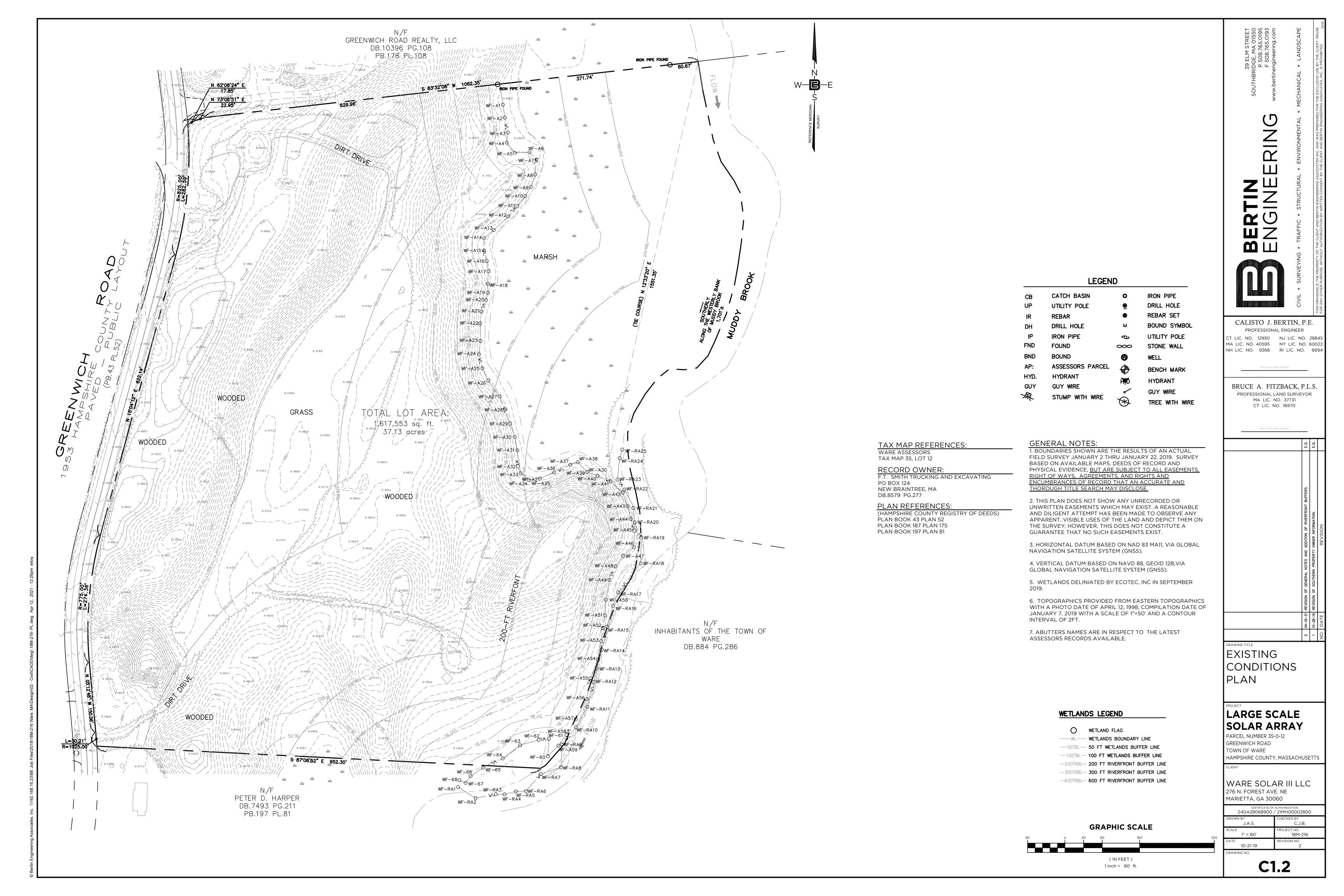
HAMPSHIRE COUNTY, MASSACHUSETTS

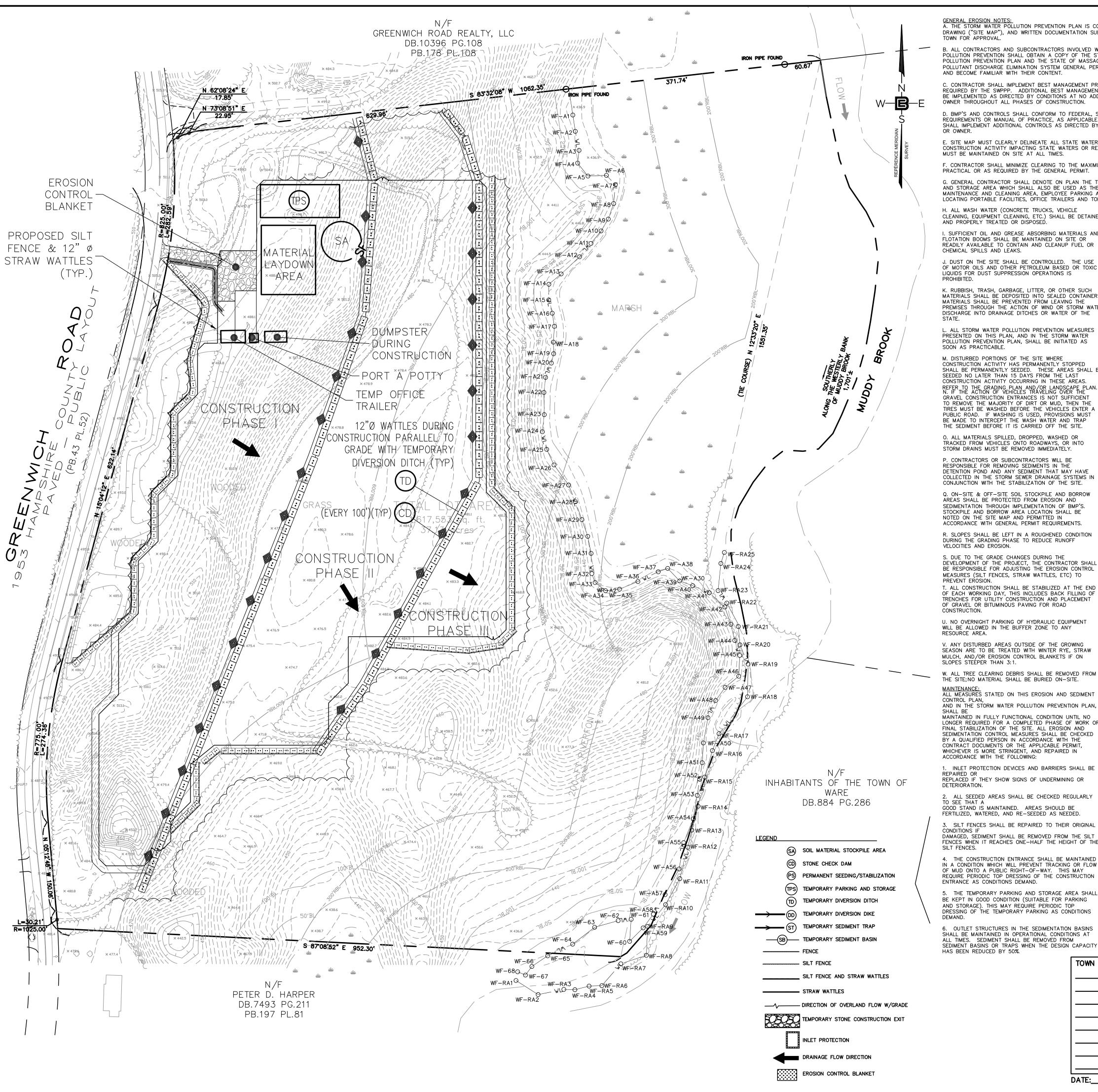
PARCEL NUMBER 35-0-12 GREENWICH ROAD TOWN OF WARE

WARE SOLAR III LLC 276 N. FOREST AVE. NE MARIETTA, GA 30060

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800				
DRAWN BY J.A.S.	CHECKED BY C.J.B.			
SCALE 1" = 40'	PROJECT NO. 18M-216			
DATE 10-21-19	REVISION NO.			

**C1.1** 





GENERAL EROSION NOTES:
A. THE STORM WATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), AND WRITTEN DOCUMENTATION SUBMITTED TO THE

B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF MASSACHUSETTS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENT.

. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY CONDITIONS AT NO ADDITIONAL COST TO

BMP'S AND CONTROLS SHALL CONFORM TO FEDERAL, STATE OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY

E. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS, PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

F. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT

G. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS AND TOILET FACILITIES.

H. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED

I. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEANUP FUEL OR CHEMICAL SPILLS AND LEAKS.

J. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS

K. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS; MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATER OF THE

L. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 15 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
N. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

O. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS, OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

RESPONSIBLE FOR REMOVING SEDIMENTS IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE. Q. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BMP'S. STOCKPILE AND BORROW AREA LOCATION SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

R. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

S. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW WATTLES, ETC) TO PREVENT EROSION. T. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT

U. NO OVERNIGHT PARKING OF HYDRAULIC EQUIPMENT WILL BE ALLOWED IN THE BUFFER ZONE TO ANY

V. ANY DISTURBED AREAS OUTSIDE OF THE GROWING SEASON ARE TO BE TREATED WITH WINTER RYE, STRAW MULCH, AND/OR EROSION CONTROL BLANKETS IF ON SLOPES STEEPER THAN 3:1.

W. ALL TREE CLEARING DEBRIS SHALL BE REMOVED FROM THE SITE; NO MATERIAL SHALL BE BURIED ON-SITE.

MAINTENANCE:
ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR

ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RE-SEEDED AS NEEDED.

5. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL DAMAGED, SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE

IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO A PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCE AS CONDITIONS DEMAND.

5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS

6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY <u>SEQUENCE OF CONSTRUCTION</u>
THE FOLLOWING NARRATIVE DESCRIBES THE PLANNED CONSTRUCTION SEQUENCE WITH AN EMPHASIS ON THE TIMING AND SEQUENCE OF EROSION/SEDIMENTATION CONTROL MEASURES:

THE FOLLOWING CONSTRUCTION SEQUENCE WILL BE REQUIRED TO INSURE THE EFFECTIVENESS OF THE EROSION/SEDIMENT CONTROL MEASURES IS OPTIMIZED.

INSTALL STABILIZED CONSTRUCTION EXIT(S) AND SWPPP ENTRANCE SIGN. INSTALL EROSION CONTROL BARRIERS ON THE ENTIRE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE AND WATTLES.) INSPECTIONS WILL BE CONDUCTED AFTER INSTALLATION OF EROSION CONTROL BARRIERS ARE INSTALLED. PREPARE TEMPORARY PARKING AND STORAGE AREA UPON IMPLEMENTATION AND INSTALLATION

THE FOLLOWING AREAS: PARKING, LAY DOWN, PORTA POTTY, MATERIAL STORAGE CONTAINERS. TC., DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. CLEAR AND GRUB AREA FOR SEDIMENT BASINS. CONSTRUCT AND STABILIZE SEDIMENT BASINS. HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMP'S. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND-DISTURBING CONTRACTORS

BEFORE PROCEEDING WITH CONSTRUCTION. BEGIN CLEARING THE SITE. INSTALL TEMPORARY DIVERSION DITCHES AND CHECK DAMS.

BEGIN GRADING THE SITE AS NEEDED. START INSTALLATION OF DRAINAGE AND SITE WORK TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 15 DAYS OR MORE. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE

INAL PHASE
. PERMANENTLY STABILIZE ANY REMAINING EXPOSED AREAS.

TEMPORARY DRAINAGE DITCHES TO BE REMOVED AND STABILIZED.
SEDIMENT FROM BASINS TO BE REMOVED AND DISPOSED OF OFFSITE AND BASINS ARE TO BE CONVERTED TO FINAL DETENTION BASINS AS SHOWN ON SITE PLAN. ONCE ENTIRE SITE IS STABILIZED, CALL FOR FINAL INSPECTION FROM SITE MONITOR. ONCE FINAL INSPECTION IS COMPLETE AND APPROVED, ALL EROSION CONTROL SILT FENCE AND WATTLES ARE TO BE REMOVED.

ONCE CONSTRUCTION IS COMPLETED, ALL DISTURBED AREAS ARE TO BE STABILIZED WITH LOAM AND SEED UNLESS OTHERWISE SPECIFIED. . INSPECTIONS WILL BE CONDUCTED WEEKLY AND AFTER 0.5 INCH RAIN EVENTS. COPIES OF WEEKLY REPORTS AND RAIN EVENT REPORTS SHALL BE SUBMITTED TO THE CONSERVATION COMMISSION WITHIN SEVEN DAYS OF THE INSPECTION. 3. EXTRA EROSION CONTROL MATERIALS (STRAW WATTLES, SILT FENCE) EQUAL TO 200 LF SHALL BE KEPT ON SITE FOR EMERGENCY REPAIRS. THESE MATERIALS SHALL BE KEPT COVERED.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE CONSTRUCTION SEQUENCE IJAN FEB MARIAPRIMAYJUN JUL AUGISEP OCTINOVIDECIJAN FEB MARIAPRIMAYJUN ROUGH GRADE / SEDIMENT CONTROL TEMPORARY CONTROL MEASURES STRIP & STOCKPILE TOPSOIL STORM FACILITIES TEMPORARY CONSTRUCTION ROADS FOUNDATION / BUILDING CONSTRUCTION SITE CONSTRUCTION PERMANENT CONTROL STRUCTURES FINISH GRADING LANDSCAPING/SEED/FINAL STABILIZATION

NOTE: PRIOR TO ANY WORK TAKING PLACE

ENGINEERING AND CONSTRUCTION MANAGER. ALL ASPECTS OF EROSION CONTROLS AND CONSTRUCTION OF PROJECT ARE TO BE DISCUSSED 2. WATTLES AND SILTATION FENCE TO BE INSTALLED. INSTALL STABILIZED CONSTRUCTION ENTRANCE (SITE TRACKING PAD) 3. INSPECTIONS WILL BE CONDUCTED WEEKLY AND AFTER 0.5 INCH RAIN EVENTS. COPIES OF WEEKLY REPORTS AND RAIN EVENT REPORTS SHALL BE SUBMITTED TO THE CONSERVATION COMMISSION WITHIN SEVEN DAYS OF THE INSPECTION.

1. A PRE-CONSTRUCTION MEETING SHOULD BE SCHEDULED BETWEEN BERTIN

ACREAGE SUMMARY In acres				
SEEDED AREA	11.29 AC±			
TOTAL DISTURBED	15.12 AC±			

#### SEDIMENTATION BASINS

CONTRACTOR TO LOCATE TEMPORARY SEDIMENTATION BASINS TO PREVENT SEDIMENT FROM LEAVING THE LIMIT OF WORK. TEMPORARY SEDIMENTATION BASINS ARE TO BE INSTALLED IN LOCATIONS UPSTREAM OF ANY EROSION CONTROL BARRIERS WHERE EXCESS SEDIMENT IS OBSERVED DURING THE CONSTRUCTION PROCESS. REMOVE AND PROPERLY DISPOSE OF SEDIMENT WHEN IT ACCUMULATES TO ONE-HALF DESIGN VOLUME. REMOVE BASIN AFTER DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, INSPECTED, AND APPROVED. BEFORE REMOVING DAM, DRAIN WATER AND REMOVE SEDIMENT; PLACE WASTE MATERIAL IN DESIGNATED DISPOSAL AREAS. SMOOTH SITE TO BLEND WITH SURROUNDING AREA AND STABILIZE. TEMPORARY SEDIMENTATION BASINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS.

DESIGN RECOMMENDATIONS:

DRAINAGE AREA NOT MORE THAN 100 ACRES. THE SEDIMENT BASIN SHOULD HAVE A MINIMUM VOLUME BASED ON INCH OF STORAGE FOR EACH ACRE OF DRAINAGE AREA. THIS VOLUME EQUATES TO 1800 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA. LENGTH-TO-WIDTH RATIO SHOULD BE 2:1 OR GREATER; DIVERT INFLOW TO UPPER END OF BASIN TO AVOID SHORT-CIRCUITING FLOW. LENGTH IS DEFINED AS THE AVERAGE DISTANCE FROM THE INLET TO THE OUTLET OF THE TRAP. BAFFLES TO SPREAD THE FLOW THROUGHOUT THE BASIN SHOULD BE INCLUDED. KEEP SEDIMENT POOL DEWATERED BETWEEN STORMS. CONSTRUCT SIDE SLOPES 2:1 OR FLATTER IN POOL AREA. PLACE 6" BARREL AND RISER ON FIRM, EVEN FOUNDATION. INSTALL ANTI-SEEP COLLAR SLIGHTLY AROUND PIPE.

COVER PIPE TO A DEPTH OF 2 FEET MINIMUM OF HAND-COMPACTED BACKFILL BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. INSTALL TRASH GUARD WITH BARS SPACED 2-3 INCHES APART. INSTALL RIPRAP APRON AT PIPE OUTLET, WIDTH 5 FT MINIMUM. EXTEND APRON TO STABLE GRADE (LENGTH 10 FT MINIMUM). USE WELL-GRADED STONE WITH "D50" OF 9 INCHES MINIMUM.

TOWN OF WARE PLANNING BOARD

(IN FEET)

1 inch = 80 ft.

**GRAPHIC SCALE** 

10-21-19

**C2.1** 

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

MA LIC. NO. 40595 NY LIC. NO. 6002

NH LIC. NO. 9368 RI LIC. NO. 669

T LIC. NO. 12950 NJ LIC. NO. 28845

**SOIL EROSION** & SEDIMENT **CONTROL PLAN** PLAN

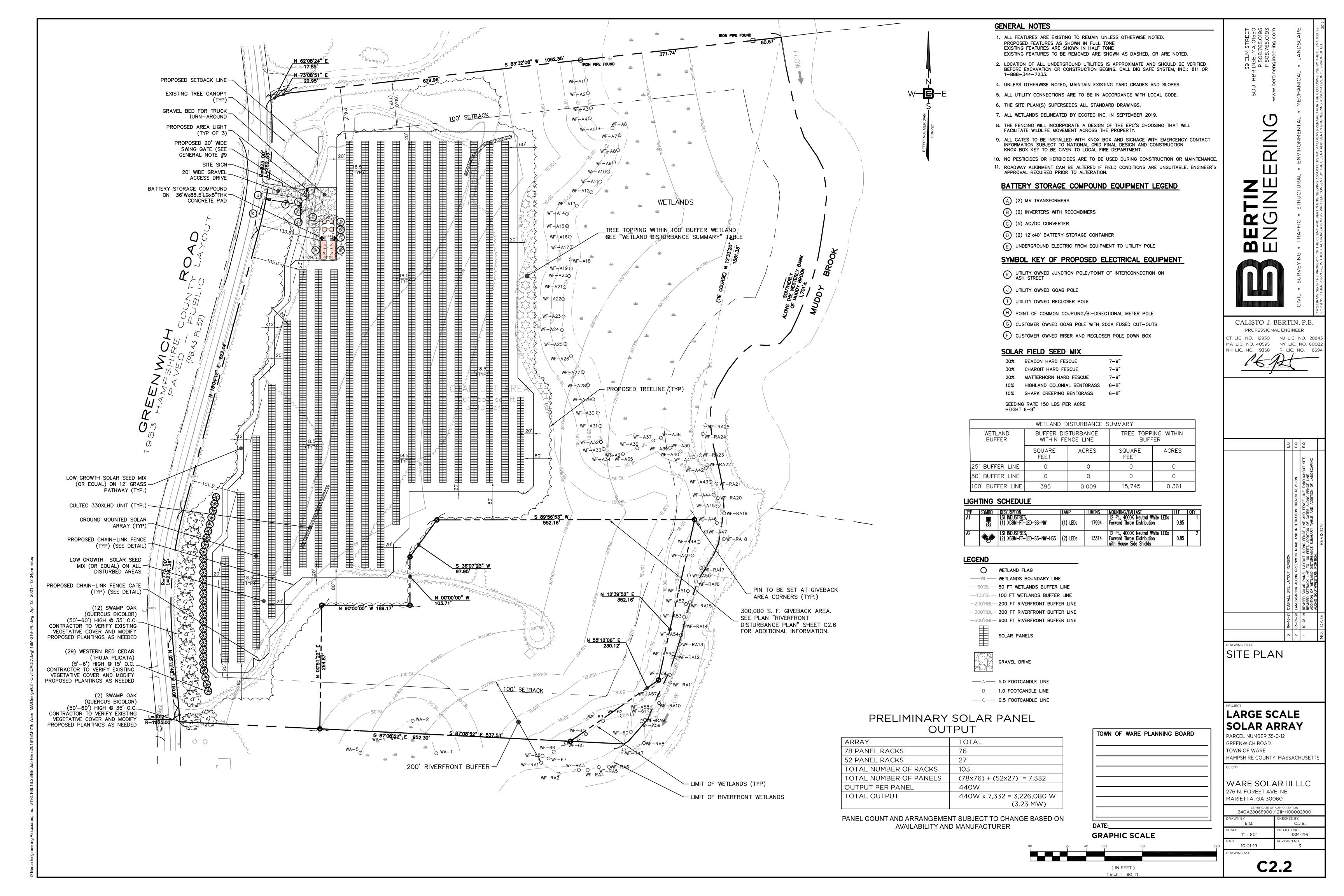
## **LARGE SCALE SOLAR ARRAY**

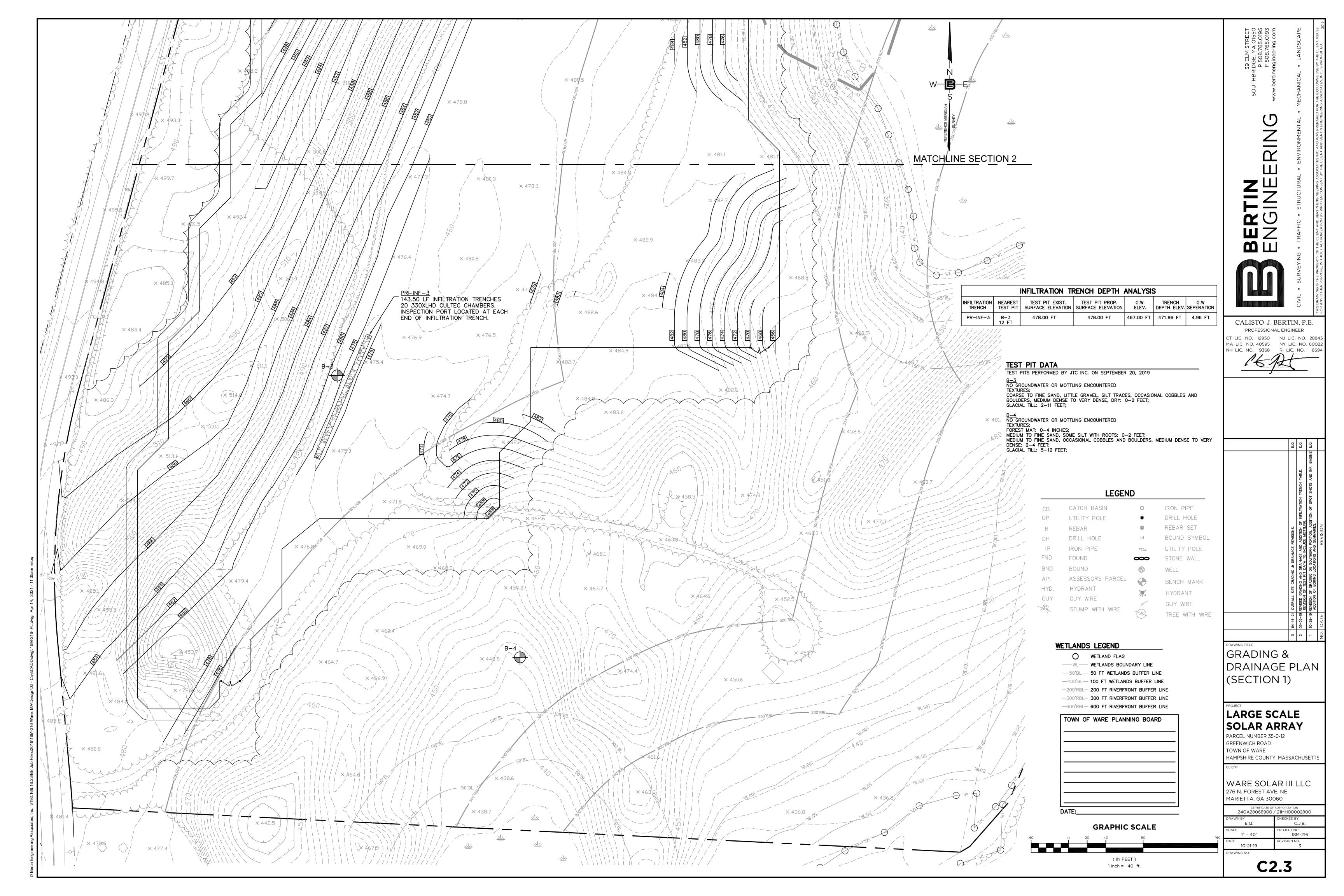
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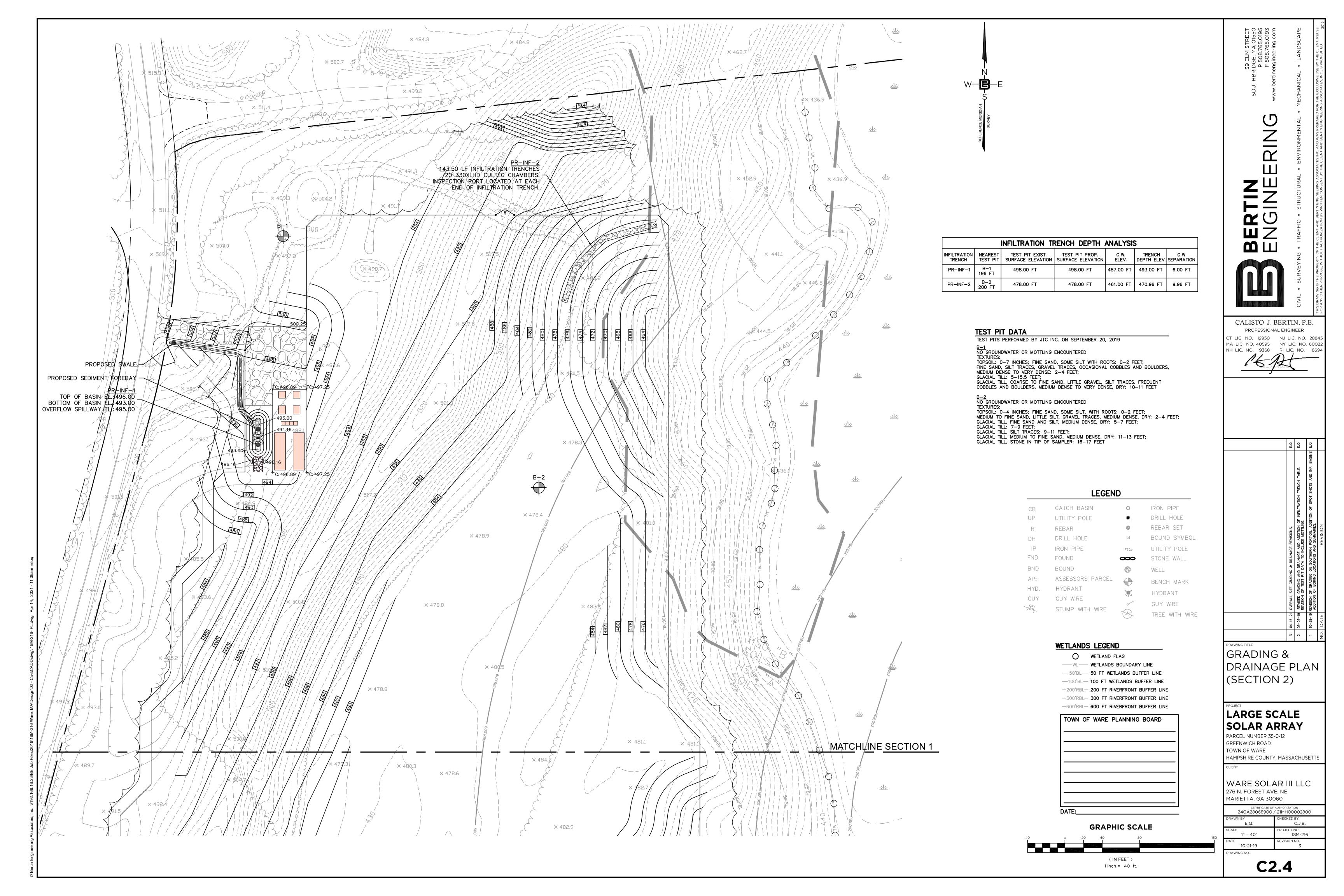
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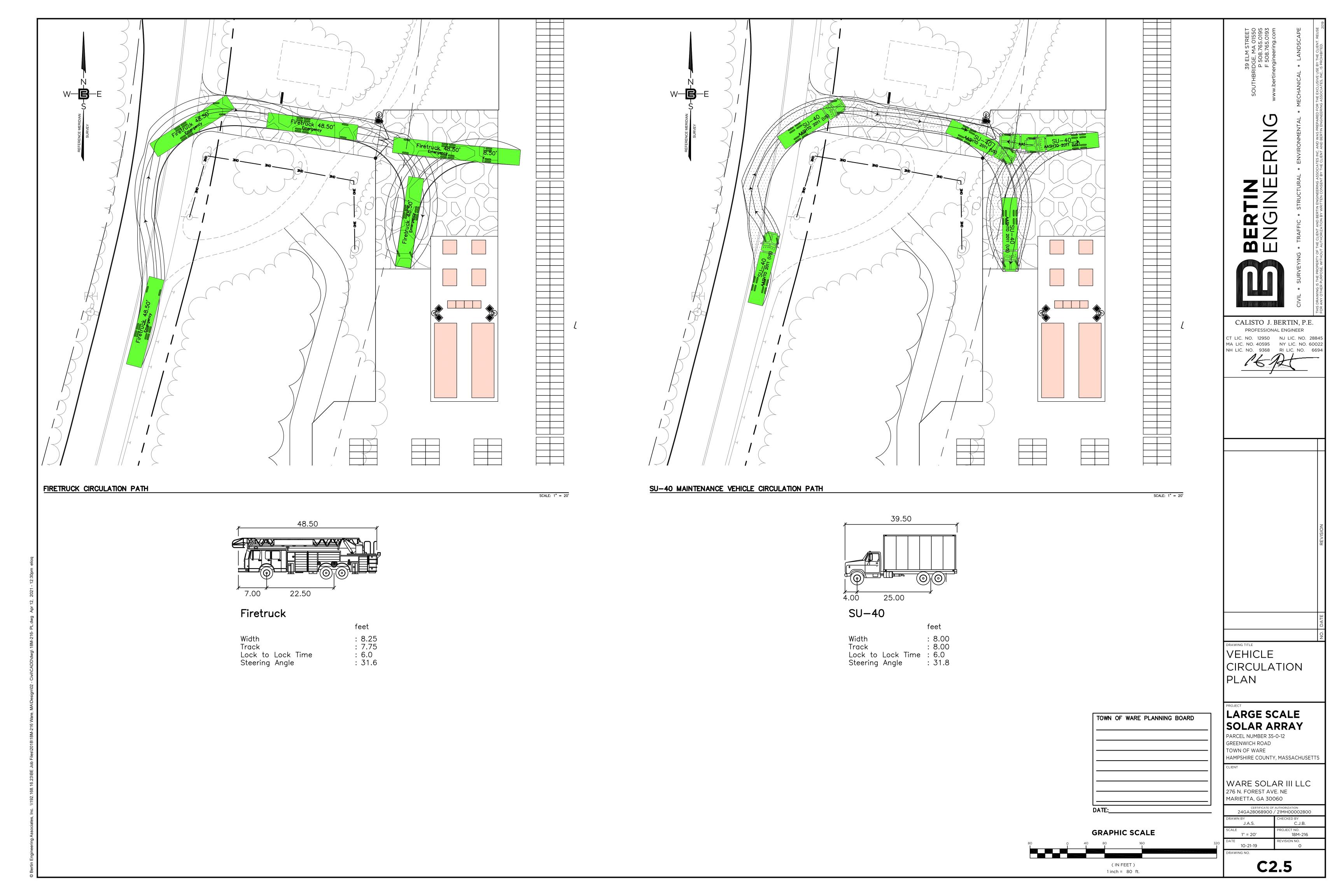
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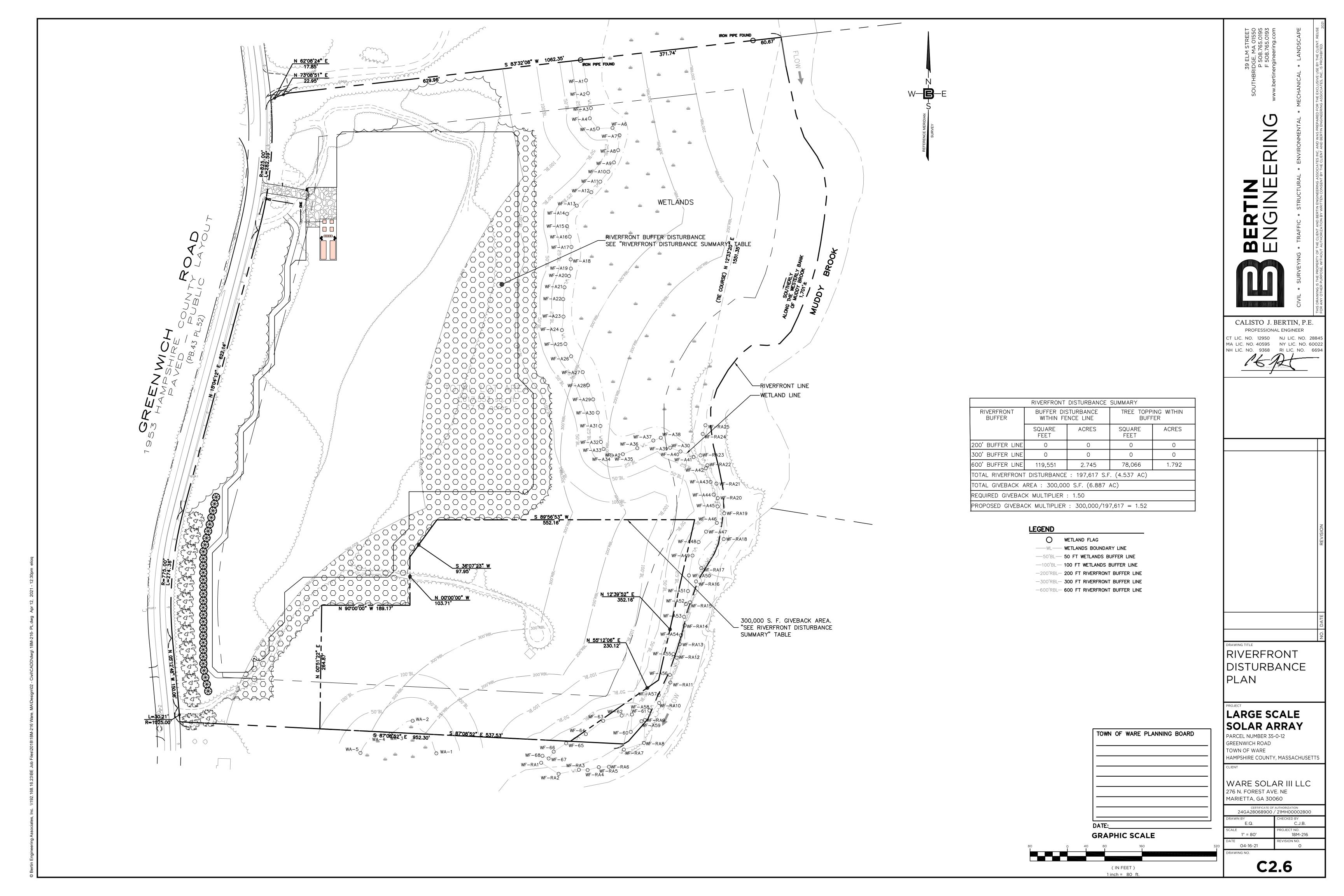
24GA28068900 / 21MH00002800 C.J.B. E.Q. 1" = 80' 18M-216

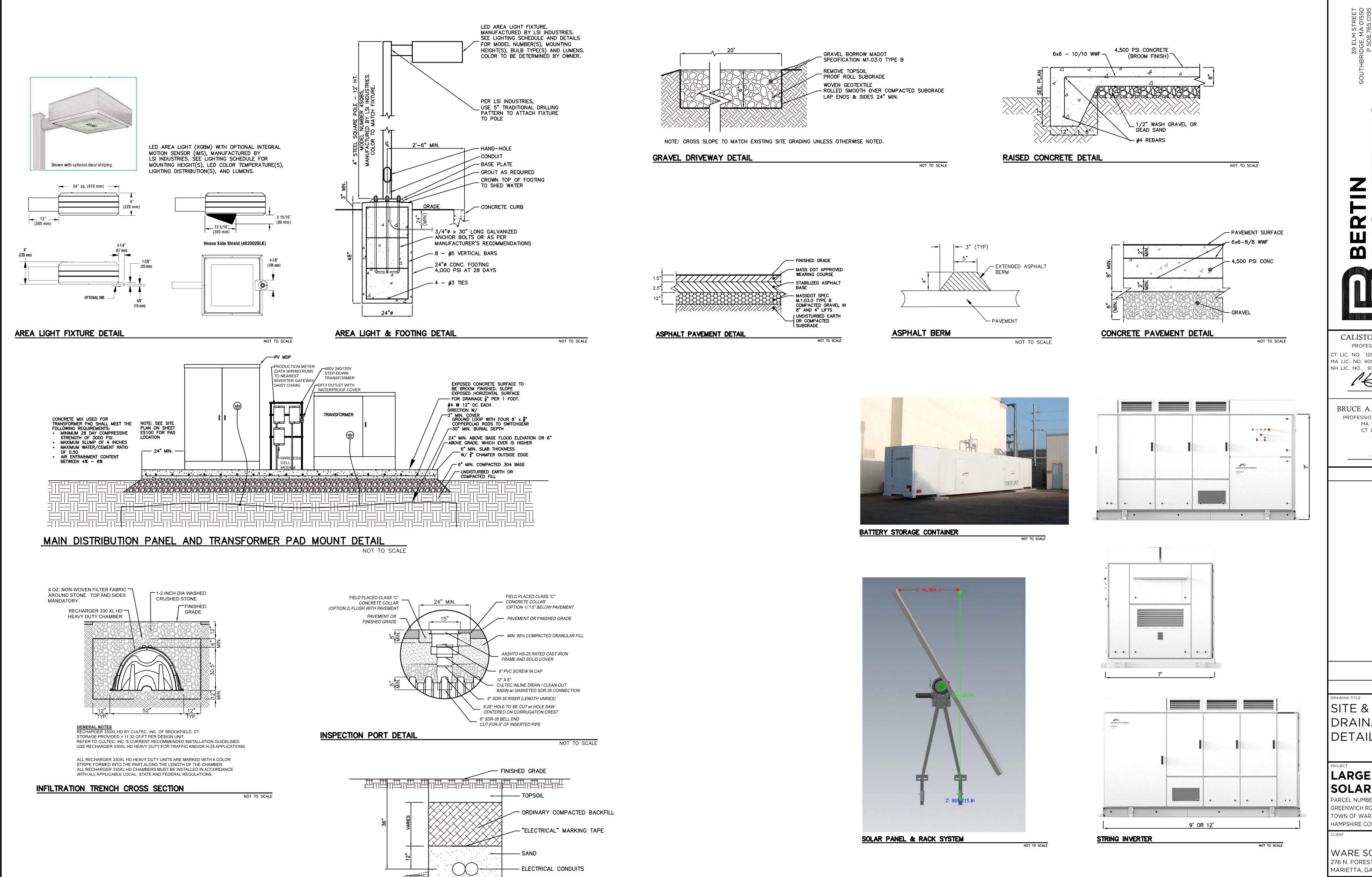












2'+/-

TYPICAL ELECTRICAL TRENCH DETAIL

39 ELM STREE IDGE, MA 015! P 508.765.01! F 508.765.01

Z

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER T LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 6002 NH LIC. NO. 9368 RI LIC. NO. 669

BRUCE A. FITZBACK, P.L.S. PROFESSIONAL LAND SURVEYOR MA LIC. NO. 37731 CT LIC. NO. 16970

DRAINAGE DETAILS

### LARGE SCALE **SOLAR ARRAY**

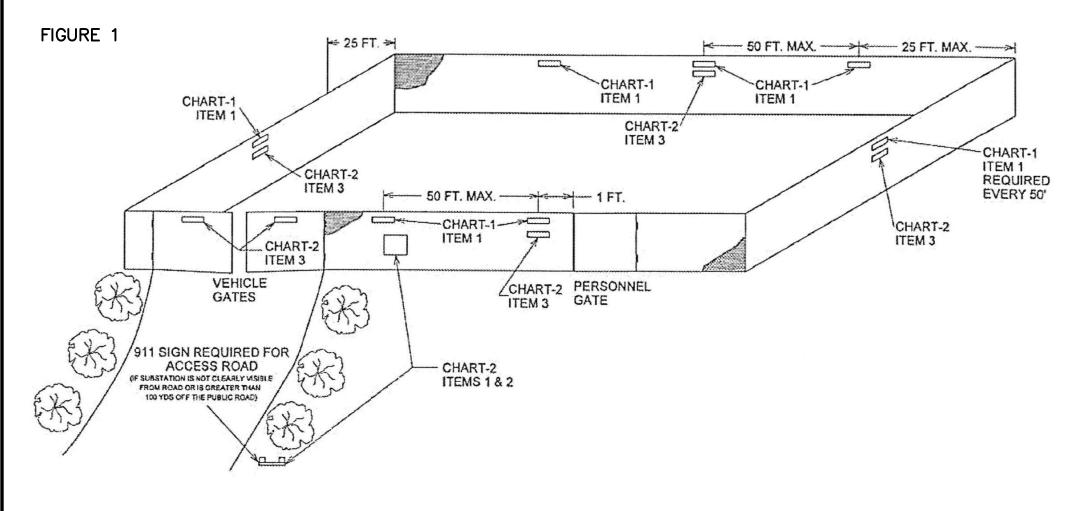
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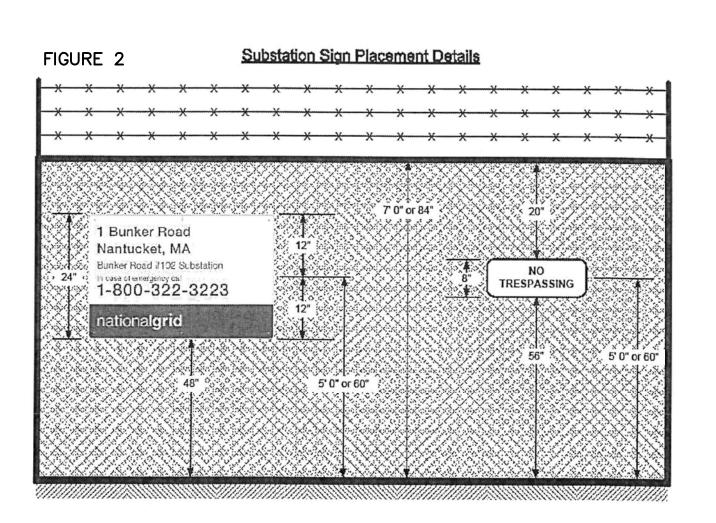
HAMPSHIRE COUNTY, MASSACHUSETTS

WARE SOLAR III LLC 276 N. FOREST AVE. NE MARIETTA, GA 30060

24GA28068900 / 21MH00002800 J.A.S. C.J.B. AS SHOWN 18M-216 10-21-19

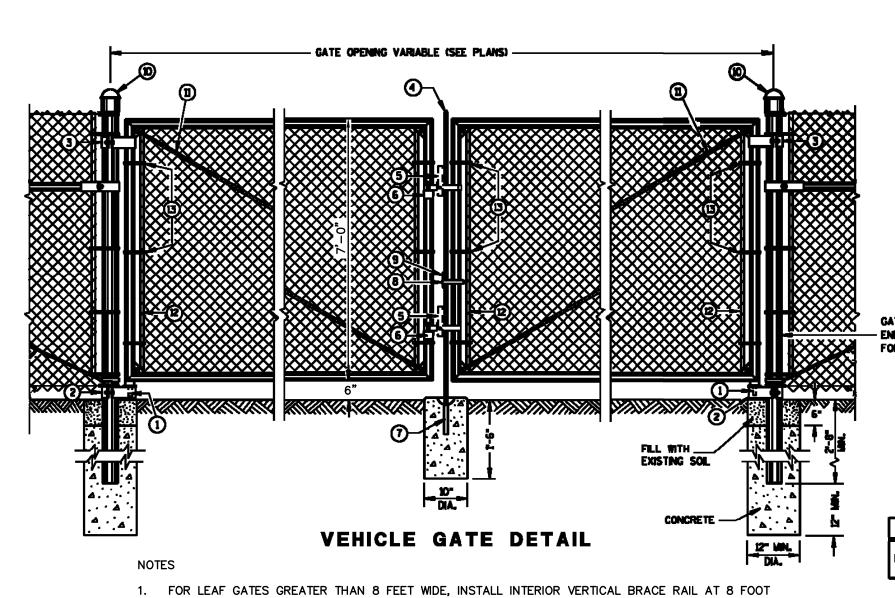
**C3.1** 





- 1. SIGN CHAIN-LINK FENCES USING "DANGER" SIGN (CHART-1 ITEM 1).
- 2. SIGN CHAIN-LINK FENCES USING "NO TRESPASSING" SIGN (CHART-2 ITEM 3).
- 3. SIGN 4"x4" POSTS AT ACCESS ROAD AND CHAIN-LINK FENCES USING STATION "911" SIGN (CHART-2 ITEM 1 & 2).
- 4. ALL SIGNS SHALL BE MOUNTED AS CLOSE TO A HEIGHT OF 60" (1525mm) ABOVE GRADE TO THE CENTERLINE OF THE SIGN AS POSSIBLE. ATTACH SIGNS AS LEVEL AS POSSIBLE.
- 5. SIGN ALL GATES AT A HEIGHT OF 60" (1525mm) ABOVE GRADE TO THE CENTERLINE OF SIGN WITH SIGN AT GATE CENTER.
- 6. FENCE SIDES THAT CONTAIN NO GATES SHOULD HAVE SYMMETRICAL SIGN PLACEMENT AS MUCH AS IS POSSIBLE.
- 7. MAXIMUM DISTANCE BETWEEN SIGNS ALONG FENCE PERIMETER NOT TO EXCEED 50 FEET.
- 8. REFER TO FIGURE 1 AND 2 FOR PLACEMENT DETAIL.
- 9. SIGN UNHINGED SIDE OF SINGLE GATES AT A HEIGHT OF 60" (1525mm) ABOVE GRADE TO CENTERLINE OF SIGN ONE FOOT FROM GATE POST.
- 10. ALL FIGURES AND NOTES TAKEN FROM "NATIONALGRID" ENGINEERING DOCUMENT #ST.03.06.001, PG 14 OF 22, VERSION 1.0 DATED 3-9-09.

#### SIGN PLACEMENT ON PERIMETER GATES & FENCES



2. FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

3. MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE

LEGEND 1. STRAIGHT PLUG 2. BOTTOM HINGE 3. TOP HINGE 4. PLUNGER ROD 5. FULCRUM LATCH 6. FORK CATCH 7. PLUNGER ROD CATCH 8. LOCK KEEPER GUIDE 9. LOCK KEEPER 11. TRUSS RODS 12. TENSION BAR 13. TENSION BANDS 14. BRACE RAIL

REQUIRED FENCE POST SIZES FABRIC HEIGHTS FEET LESS THAN OR EQUAL TO 6 FT. GREATER THAN OR EQUAL TO 6 FT. LESS THAN OR WAL TO 6 FT. LESS THAN OR EQUAL TO 8 FT. GREATER THAN OR EQUAL TO 8 FT. LESS THAN OR EQUAL TO 8 FT. GREATER THAN OR EQUAL TO 8 FT.

	(1.8 OZ./SQ. FT. COATING)					
POST TYPE	POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LB8/FT		
SP3	SP1	1.660	0.140	2.270		
SP4	SP2	1.900	0.145	2.720		
SP2	SP3	2.375	0.154	3.650		
SP3	SP4	2.875	0.203	5.800		
	SP5	4.000	0.225	9.120		
SP4 FS2 OR	SP6	6.625	0.280	18.990		
FS2 UK FS2t	SP7	8.625	0.322	28.580		
FS3						

ROUND STEEL FENCE POST

#### ROLLED-FORMED STEEL FENCE POST (2.0 OZ./8Q. FT. COATING)

BRACE RAIL TYPES		POST TYPE	LENGTH (L) INCH	WIDTH (W) Inch	WEIGHT LB8/FT	
		FS1	1.625	1.25	1.35	
USE		TYPE				
BRACE RAIL		SP1 OR	FS2†	1.875	1.625	1.850
FSI		FS2	1.875	1.625	2.400	
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS			FS3	2.250	1.700	2.780

	USE	LEAF WIDTHS FEET	POST TYPE
		LESS THAN OR EQUAL TO 6 FT.	SP4
	GATES	LESS THAN OR EQUAL TO 13 FT.	SP5
		LESS THAN OR EQUAL TO 18 FT.	SP6
J		LESS THAN OR EQUAL TO 23 FT.	SP7

REQUIRED POST SIZE FOR GATES

CHAIN LINK FENCE GATE DETAIL

WIDTH OR 2 INCHES.

ADDRESS CONTACT PHONE # 24 HOUR EMERGENCY CONTACT PHONE NUMBER 911 DO NOT ENTER 106A ALUMINUM SIGN VINYL CONTACT LETTERING SITE SIGN DETAIL

**SOLAR FACILITY** 

SOLAR FACILITY OWNER

ADDRESS

CONTACT PHONE #

DEVELOPER ADDRESS CONTACT PHONE #

SITE SIGN — 3 1/2" WIDE HEAVY DUTY STEEL RAIL CHANNEL POST W/ 3/8" HOLES 1" O.C. GREEN BAKED ENAMEL BREAKAWAY SIGN POST SYSTEM

SITE SIGN INSTALLATION DETAIL

BRUCE A. FITZBACK, P.L.S.

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BRACE RAIL 1-1/4"ø PIPE -2" MESH: 9 GAUGE GALVANIZED WOVEN WIRE FABRIC FABRIC TIES @ 9 GAUGE WIRE LINE POST CAP 12" APART (MAX.) END POST CAP -1" x 1/8" BRACE AND STRETCHER | BAR BANDS WITH 5/16" CARRIAGE FABRIC TIE @ 9 GAUGE 10" APART (MAX.) BOLTS WITH ELASTIC STOP NUTS \_ 2 3/8"ø (MIN.) GALVANIZED FENCE POST TERMINAL OR CORNER POSTS: | 2 7/8"ø (MIN.) GALVANIZED — FENCE POST 1/4" x 3/4" STRETCHER BAR HOG RING FASTENERS 12"
APART (MAX.) 11 GAUGE STRETCHER BAR BANDS | 10" APART (MIN.) \_BOTTOM TENSION WIRE (0.1675"ø MIN.) BRACE BAND FOR TENSION WIRE - PITCH TO DRAIN NOTE: THERE SHALL BE A 6" GAP BETWEEN THE GROUND
AND THE BOTTOM OF THE - CLASS D CONC. FENCE (TYP) - PLUG END OF PIPE TERMINAL AND/OR CORNER POST FOOTINGS 10"ø 10'-0" NOMINAL POST SPACING (TYP.)

1. ALL TIES, HOG RINGS AND CLIPS SHALL BE GALVANIZED.

- 2. FABRIC SHALL BE GALVANIZED WIRE, ALL PIPE TO CONFORM TO CURRENT ASTM DESIGNATION F 1083, SCHEDULE 40, PLAIN END.
- 3. BRACE RAIL AND ROD AT CORNER AND END SECTION ONLY.
- 4. ALL REFERENCES TO PIPE DIAMETER ARE ASTM NOMINAL SIZE.

5. WITH THE APPROVAL OF THE ENGINEER, IN SOFT MARSHY GROUND, POSTS MAY BE DRIVEN, THE CONCRETE FOOTING DELETED AND APPROVED DRIVE ANCHORS USED.

CHAIN LINK FENCE DETAIL

SITE DETAILS - 2

#### LARGE SCALE **SOLAR ARRAY**

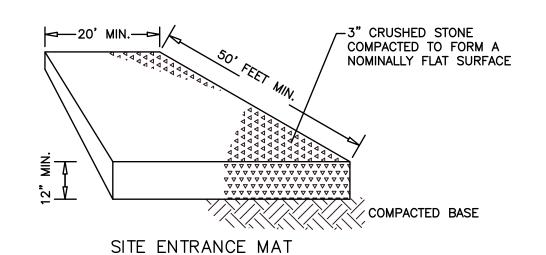
PARCEL NUMBER 35-0-12 GREENWICH ROAD

TOWN OF WARE HAMPSHIRE COUNTY, MASSACHUSETTS

WARE SOLAR III LLC 276 N. FOREST AVE. NE MARIETTA, GA 30060

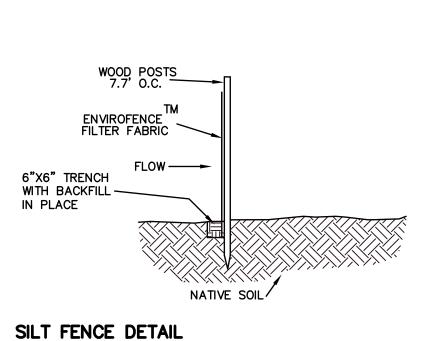
24GA28068900 / 21MH00002800 C.J.B. J.A.S. AS SHOWN 18M-216 10-21-19

**C3.2** 



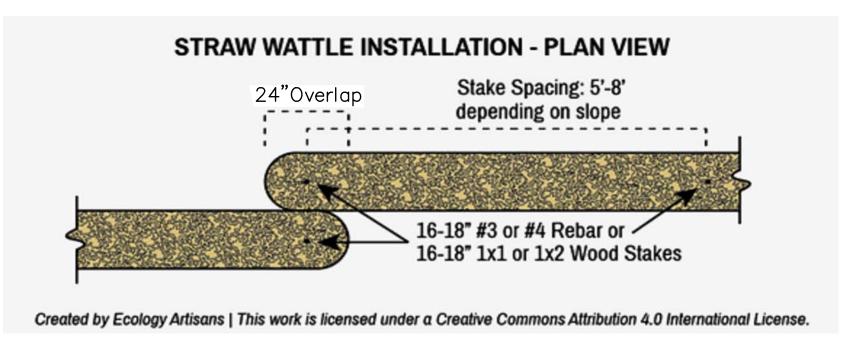
THE TOWN ROAD WILL BE SWEPT DAILY WHEN HAULING IS IN PROGRESS. CRUSHED STONE SHALL BE REPLACED WHEN DEPOSITED SOILS ACCUMULATE TO THE EXTENT THAT THEY LESSEN THE EFFECTIVENESS OF THE MAT

TRACKING PAD DETAIL



FLOW 2"X2"X3' STAKES FILTER FABRIC-STAKE WATTLE @ 4' ,12"ø STRAW WATTLES SET ENVIROFENCE TM FILTER FABRIC ─ 12"ø STRAW WATTLE IN A 2" TRENCH 24" OVERLAP AT SEAMS STAKE WITHIN 24" OF EACH END PLAN VIEW CROSS SECTION

SILT FENCE AND STRAW WATTLE DETAIL



WATTLE INSTALLATION DETAIL

Z

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

NH LIC. NO. 9368 RI LIC. NO. 669

BRUCE A. FITZBACK, P.L.S.

PROFESSIONAL LAND SURVEYOR

MA LIC. NO. 37731

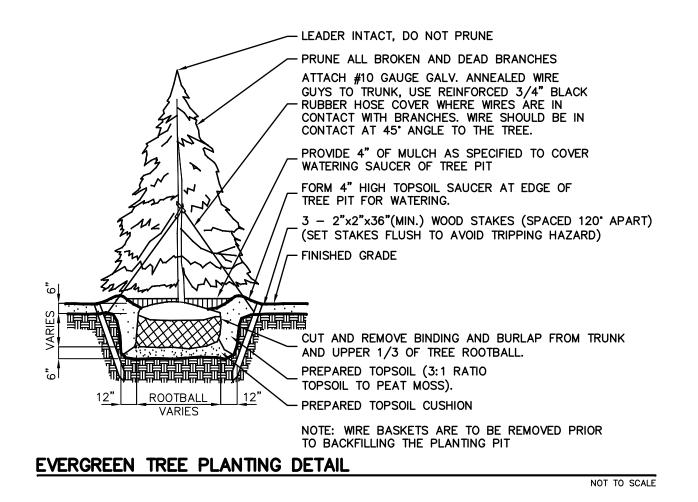
CT LIC. NO. 16970

T LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 60022

CLEAR ALL TREES AND BRANCHES ABOVE 10' FROM GRADE. STUMPS AND LOW GROWTH (LESS THAN 10') TO REMAIŃ PROPOSED CHAIN-LINK — FENCE PROPOSED SOLAR ARRAY SEE SITE PLANS FOR LIMITS
OF TREE TOPPING/CLEARING TREE CLEARING DETAIL

LOW GROWTH SEED MIX COMPRISED OF A
- DIVERSITY OF NATIVE HERBACEOUS SPECIES ON REMOVE DEBRI AND OBJECTIONABLE WEED AND STONES FROM EXISTING ALL DISTURBED AREAS. NEW ENGLAND EROSION TOPSOIL. WHERE EXISTING TOPSOIL CONTROL/ RESTORATION SEED MIX OR NEW ENGLAND CONSERVATION / WILDLIFE MIX OR IS NOT SUFFICIENT, AREA SHALL BE COVERED WITH TOPSOIL TO A DEPTH OF 4" WHICH SHALL BE FRIABLE AND LOAMY AND CONTAIN NO TOXIC SUBSTANCE HARMFUL TO PLANT GROWTH. UNDISTURBED EARTH

TOP SOIL & SEED DETAIL



EMBED FILTER FABRIC 6"

3/4" CRUSHED STONE COMBINED WITH 3/8" PEA STONE
TO BE MANTAINED AS NEEDED-STONE CHECK DAM DETAIL

GEOTEXTILE LINING
NA GREEN SEE DETAIL
SAME PAGE: ROLLMAX™
ROLLED EROSION CONTROL SYSTEMS MODEL SC250 OR APPROVED EQUAL 1. STONE CHECK DAMS TO BE INSTALLED EVERY 100' 2. SWALE TO BE MAINTAINED PER MAINTENANCE SCHEDULE.

GRASS SWALE

SOIL EROSION & SEDIMENT CONTROL AND LANDSCAPE DETAILS

### LARGE SCALE SOLAR ARRAY

PARCEL NUMBER 35-0-12 GREENWICH ROAD TOWN OF WARE

HAMPSHIRE COUNTY, MASSACHUSETTS

WARE SOLAR III LLC 276 N. FOREST AVE. NE MARIETTA, GA 30060

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800 C.J.B. J.A.S. OJECT NO. 18M-216 AS SHOWN 10-21-19

**C3.3**