# TOWN OF LEICESTER

# 1,360.8 KW DC SOLAR PV DEVELOPMENT STAFFORD STREET LEICESTER, MASSACHUSETTS MAY, 2017 ISSUED FOR LOCAL PERMITTING/NOT FOR CONSTRUCTION





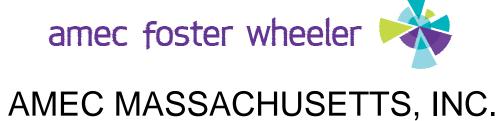
DRAWING INDEX

| DRAWING TITLE   | DRAWING<br>NUMBER   |
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| COVER SHEET   |   |
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| CONSTRUCTION, EROSION AND SEDIMENTATION CONTROL DETAILS | C-501   |
|   | COVER SHEET  EXISTING CONDITIONS PLAN  PROPOSED SITE PLAN |

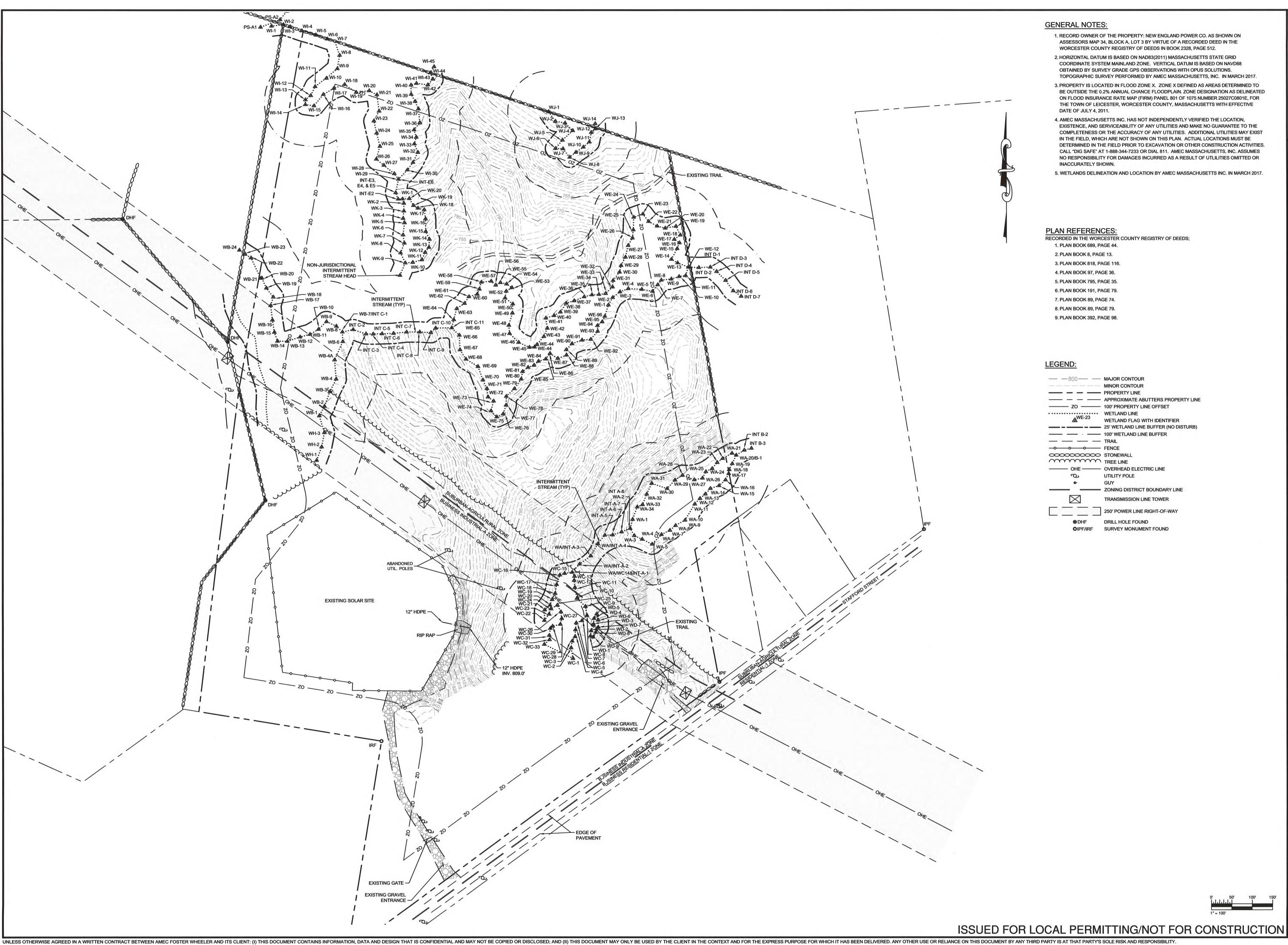
DEVELOPED BY



PREPARED BY



271 MILL ROAD
CHELMSFORD, MASSACHUSETTS 01824



- 1. RECORD OWNER OF THE PROPERTY: NEW ENGLAND POWER CO. AS SHOWN ON ASSESSORS MAP 34, BLOCK A, LOT 3 BY VIRTUE OF A RECORDED DEED IN THE WORCESTER COUNTY REGISTRY OF DEEDS IN BOOK 2328, PAGE 512.
- 2. HORIZONTAL DATUM IS BASED ON NAD83(2011) MASSACHUSETTS STATE GRID COORDINATE SYSTEM MAINLAND ZONE. VERTICAL DATUM IS BASED ON NAVD88 OBTAINED BY SURVEY GRADE GPS OBSERVATIONS WITH OPUS SOLUTIONS. TOPOGRAPHIC SURVEY PERFORMED BY AMEC MASSACHUSETTS, INC. IN MARCH 2017.
- 3. PROPERTY IS LOCATED IN FLOOD ZONE X. ZONE X DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. ZONE DESIGNATION AS DELINEATED ON FLOOD INSURANCE RATE MAP (FIRM) PANEL 801 OF 1075 NUMBER 25027C0801E, FOR THE TOWN OF LEICESTER, WORCESTER COUNTY, MASSACHUSETTS WITH EFFECTIVE
- 4. AMEC MASSACHUSETTS INC. HAS NOT INDEPENDENTLY VERIFIED THE LOCATION, EXISTENCE, AND SERVICEABILITY OF ANY UTILITIES AND MAKE NO GUARANTEE TO THE COMPLETENESS OR THE ACCURACY OF ANY UTILITIES. ADDITIONAL UTILITIES MAY EXIST IN THE FIELD, WHICH ARE NOT SHOWN ON THIS PLAN. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD PRIOR TO EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES. CALL "DIG SAFE" AT 1-888-344-7233 OR DIAL 811. AMEC MASSACHUSETTS, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTLILITIES OMITTED OR
- 5. WETLANDS DELINEATION AND LOCATION BY AMEC MASSACHUSETTS INC. IN MARCH 2017.

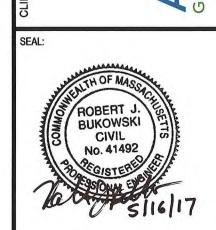
RECORDED IN THE WORCESTER COUNTY REGISTRY OF DEEDS;

| LEGEND.            |                                      |
|--------------------|--------------------------------------|
| — — 800— —         | MAJOR CONTOUR                        |
|                    | MINOR CONTOUR                        |
|                    | PROPERTY LINE                        |
|                    | APPROXIMATE ABUTTERS PROPERTY LIN    |
| zo                 | 100' PROPERTY LINE OFFSET            |
|                    | WETLAND LINE                         |
| A <sup>WE-23</sup> | WETLAND FLAG WITH IDENTIFIER         |
|                    | 25' WETLAND LINE BUFFER (NO DISTURB) |
|                    | 100' WETLAND LINE BUFFER             |
|                    | TRAIL                                |
| <del>-</del> 00    | FENCE                                |
| 0000000000         | STONEWALL                            |
| $\sim$             | TREE LINE                            |
| OHE                | OVERHEAD ELECTRIC LINE               |
| B                  | UTILITY POLE                         |
| 0-                 | GUY                                  |
|                    | ZONING DISTRICT BOUNDARY LINE        |
| $\bowtie$          | TRANSMISSION LINE TOWER              |
|                    | 250' POWER LINE RIGHT-OF-WAY         |

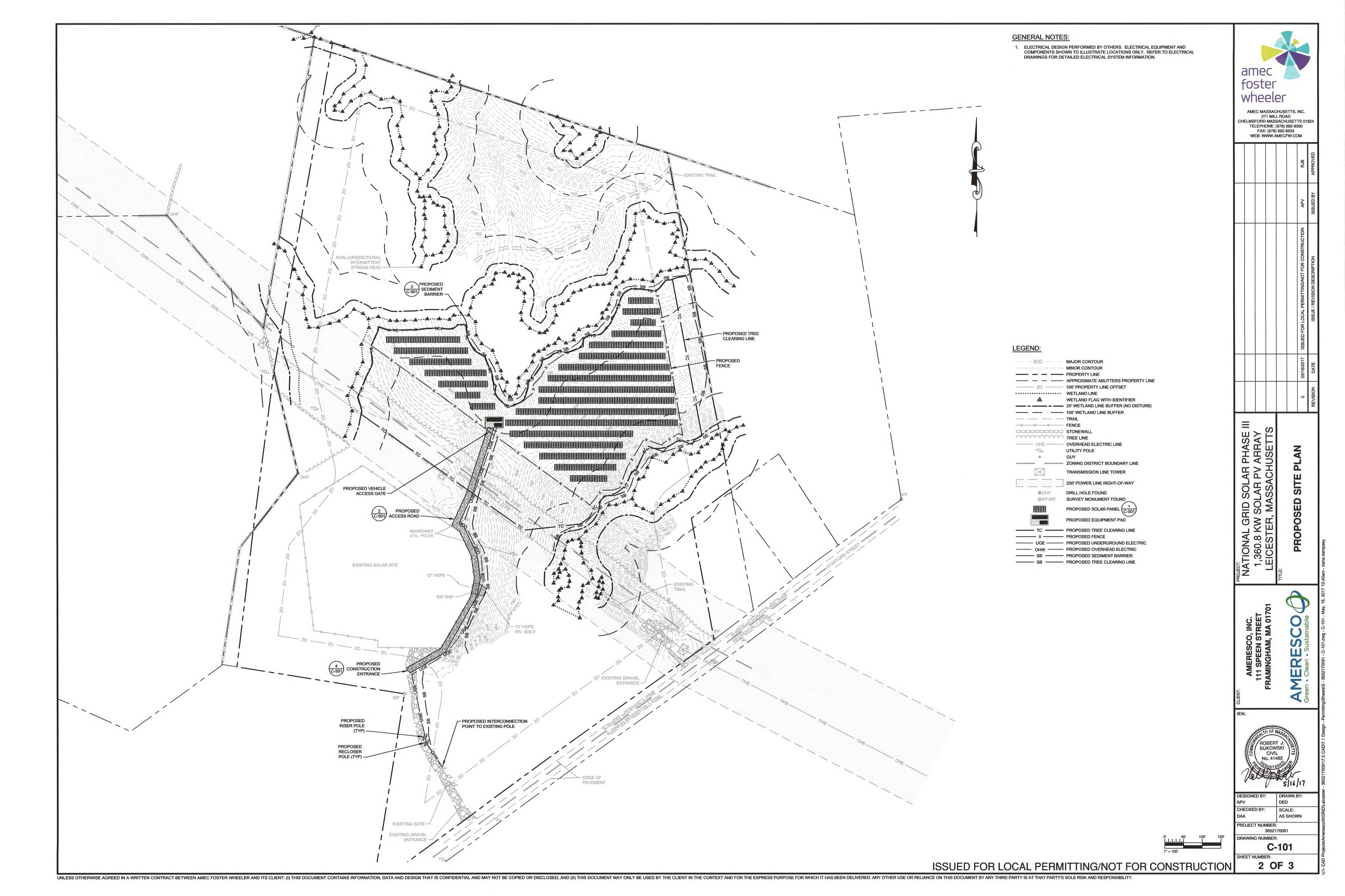


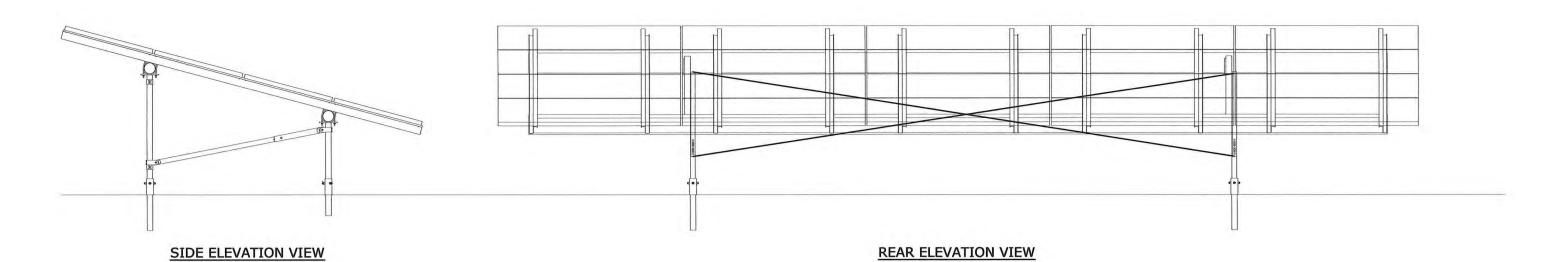
AMEC MASSACHUSETTS, INC. 271 MILL ROAD
CHELMSFORD MASSACHUSETTS 01824
TELEPHONE: (978) 692-9090 FAX: (978) 692-6633 WEB: WWW.AMECFW.COM

| APPRO | ISSUED BY | ISSUE / REVISION DESCRIPTION                                | DATE       | REVISION |
|-------|-----------|---|------------|----------|
| RJ    | APV       | 05/16/2017 ISSUED FOR LOCAL PERMITTING/NOT FOR CONSTRUCTION | 05/16/2017 | 0        |
|       |           |   |            |          |
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V-101



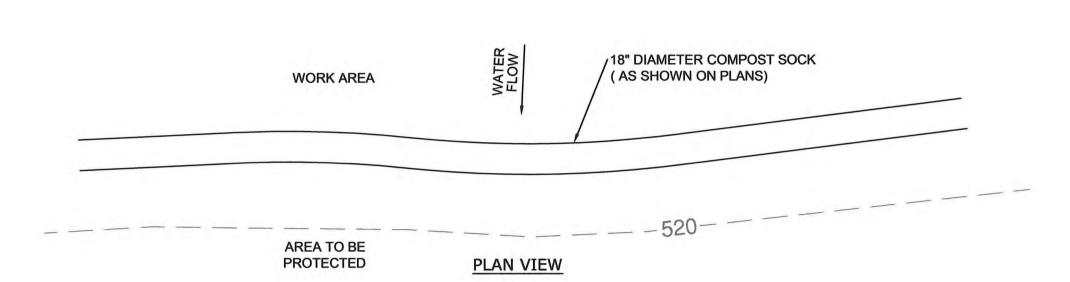


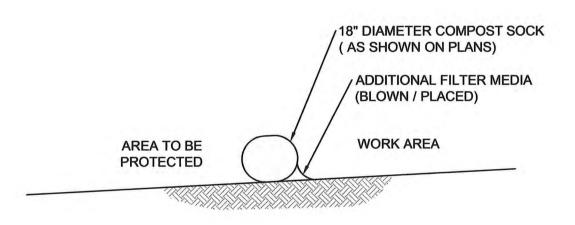
### NOTE

 DESIGN FOR FOUNDATIONS, RACKING, GROUND SCREWS, AND MODULES BY OTHERS. DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.

# SOLAR PV ARRAY - GROUND SCREW FOUNDATION

NOT TO SCALE





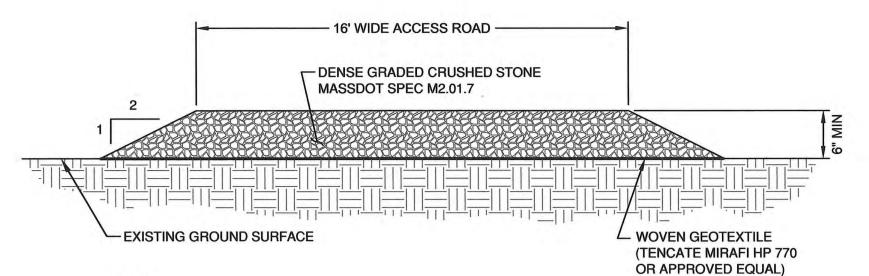
### SECTION VIEW

### NOTES:

- 1. COMPOST SOCK TO BE FILTREXX SOXX OR APPROVED EQUAL.
- 2. FILTER MEDIA FILL TO MEET MANUFACTURER'S REQUIREMENTS.
- STAKE COMPOST SOCKS IN PLACE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 4. UPON COMPLETION, COMPOST MATERIAL TO BE DISPERSED AND SPREAD ON SITE WHERE DIRECTED BY ENGINEER. FILTREXX FABRIC TO BE REMOVED.

SEDIMENT BARRIER - COMPOST SOCK

NOT TO SCALE



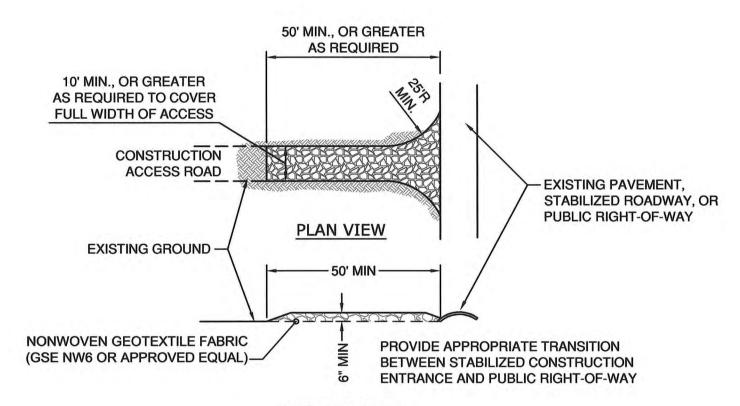
### NOTES:

- 1. ACCESS ROAD TO BE CONSTRUCTED OF A MINIMUM 6" OF DENSE GRADED CRUSHED STONE.
- 2. WOVEN GEOTEXTILE TO BE PLACED BETWEEN THE GROUND SURFACE AND THE CRUSHED STONE.
- 3. CRUSHED STONE SHALL BE COMPACTED TO A MINIMUM 92% OF MAXIMUM DRY DENSITY (MODIFIED PROCTOR ASTM D 1557) AND ACHIEVE A FIRM AND NON-YIELDING CONDITION.

### **ACCESS ROAD**

NOT TO SCALE

-(2)



# SECTION VIEW

### NOTES:

- 1. STONE TO BE 1"-3" STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH AS REQUIRED, BUT NOT LESS THAN 50 FT.
- 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TEN (10) FT. MIN, BUT NOT LESS THAN THE FULL TRAVELED WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 5. FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED ACROSS OR BENEATH THE ENTRANCE.
- 7. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. WASHING WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. IF WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

### STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN AMEC FOSTER WHEELER AND ITS CLIENT: (I) THIS DOCUMENT MAY ONLY BE USED BY THE CLIENT IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT HAS BEEN DELIVERED. ANY OTHER USE OR RELIANCE ON THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK AND RESPONSIBILITY.



NAL GRID SOLAR PHASE III

1.8 KW SOLAR PV ARRAY

ESTER, MASSACHUSETTS

TRUCTION, EROSION AND

AMERESCO, INC. 11 SPEEN STREET MINGHAM, MA 01701

ROBERT J. BUKOWSKI CIVIL

DESIGNED BY: DRAWN BY: DED

CHECKED BY: SCALE: AS SHOWN

PROJECT NUMBER: 3652170091

DRAWING NUMBER:

C-501

3 OF 3