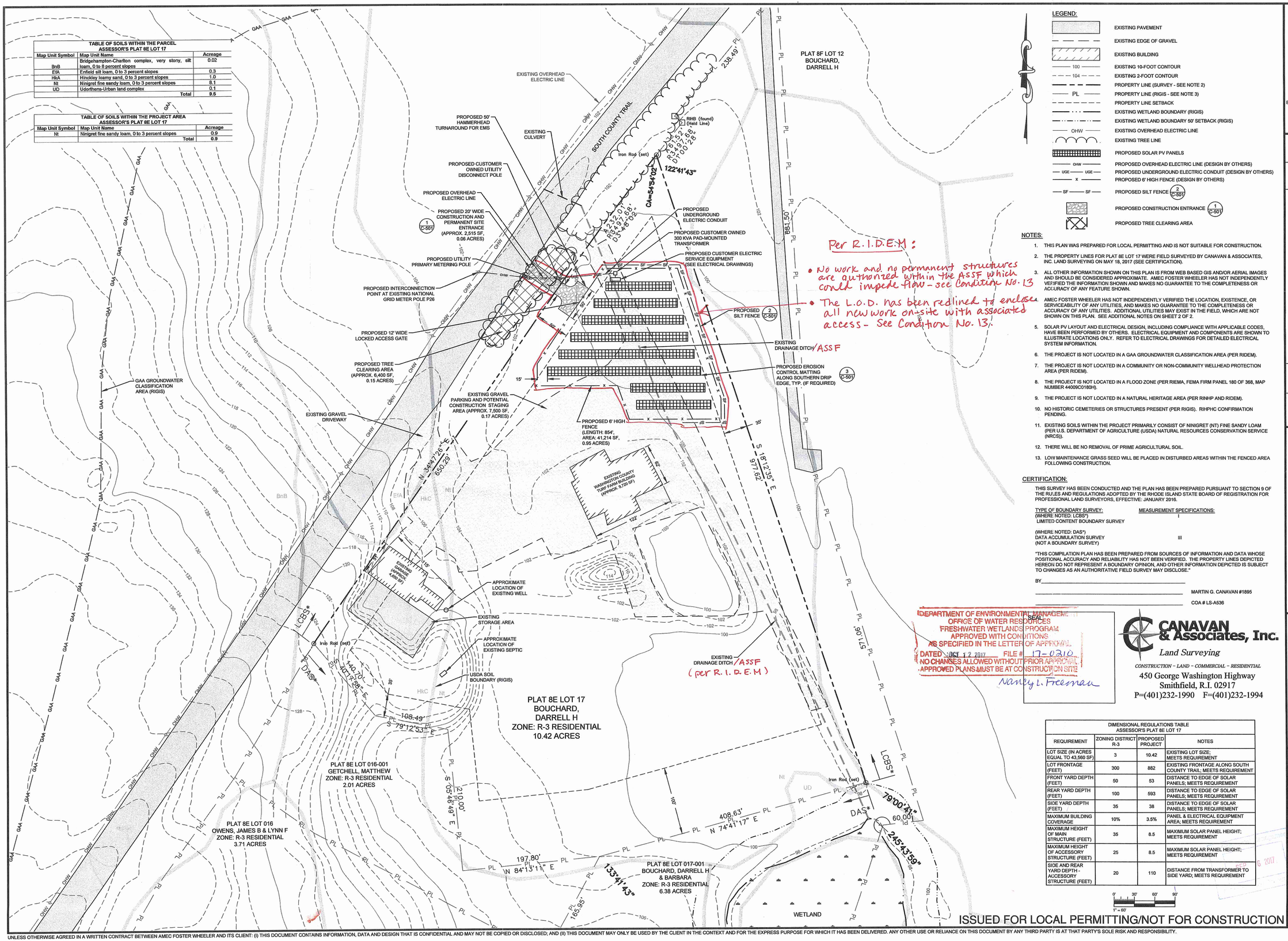
TABLE OF SOILS WITHIN THE PARCEL ASSESSOR'S PLAT 8E LOT 17		
Map Unit Symbol	Map Unit Name	Acreage
BnB	Bridgehampton-Charlton complex, very stony, silt loam, 0 to 8 percent slopes	0.02
EfA	Enfield silt loam, 0 to 3 percent slopes	0.3
HkA	Hinckley loamy sand, 0 to 3 percent slopes	1.0
Nt	Ninigret fine sandy loam, 0 to 3 percent slopes	8.1
UD	Udorthens-Urban land complex	0.1
	Total	9.5

TABLE OF SOILS WITHIN THE PROJECT AREA ASSESSOR'S PLAT 8E LOT 17		
Map Unit Symbol	Map Unit Name	Acreage
Nt	Ninigret fine sandy loam, 0 to 3 percent slopes	0.9
	Total	0.9



LEGEND:

- EXISTING PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING BUILDING
- 100 — EXISTING 10-FOOT CONTOUR
- 104 — EXISTING 2-FOOT CONTOUR
- PROPERTY LINE (SURVEY - SEE NOTE 2)
- PL — PROPERTY LINE (RIGIS - SEE NOTE 3)
- PROPERTY LINE SETBACK
- EXISTING WETLAND BOUNDARY (RIGIS)
- EXISTING WETLAND BOUNDARY 50' SETBACK (RIGIS)
- OHW — EXISTING OVERHEAD ELECTRIC LINE
- EXISTING TREE LINE
- PROPOSED SOLAR PV PANELS
- OHW — PROPOSED OVERHEAD ELECTRIC LINE (DESIGN BY OTHERS)
- UGE — UGE — PROPOSED UNDERGROUND ELECTRIC CONDUIT (DESIGN BY OTHERS)
- x — PROPOSED 6' HIGH FENCE (DESIGN BY OTHERS)
- SF — SF — PROPOSED SILT FENCE (2 / C-501)
- PROPOSED CONSTRUCTION ENTRANCE (1 / C-501)
- PROPOSED TREE CLEARING AREA

NOTES:

1. THIS PLAN WAS PREPARED FOR LOCAL PERMITTING AND IS NOT SUITABLE FOR CONSTRUCTION.
2. THE PROPERTY LINES FOR PLAT 8E LOT 17 WERE FIELD SURVEYED BY CANAVAN & ASSOCIATES, INC. LAND SURVEYING ON MAY 18, 2017 (SEE CERTIFICATION).
3. ALL OTHER INFORMATION SHOWN ON THIS PLAN IS FROM WEB BASED GIS AND/OR AERIAL IMAGES AND SHOULD BE CONSIDERED APPROXIMATE. AMEC FOSTER WHEELER HAS NOT INDEPENDENTLY VEFIFIED THE INFORMATION SHOWN AND MAKES NO GUARANTEE TO THE COMPLETENESS OR ACCURACY OF ANY FEATURE SHOWN.
4. AMEC FOSTER WHEELER HAS NOT INDEPENDENTLY VERIFIED THE LOCATION, EXISTENCE, OR SERVICEABILITY OF ANY UTILITIES, AND MAKES NO GUARANTEE TO THE COMPLETENESS OR ACCURACY OF ANY UTILITIES. ADDITIONAL UTILITIES MAY EXIST IN THE FIELD, WHICH ARE NOT SHOWN ON THIS PLAN. SEE ADDITIONAL NOTES ON SHEET 2 OF 2.
5. SOLAR PV LAYOUT AND ELECTRICAL DESIGN, INCLUDING COMPLIANCE WITH APPLICABLE CODES, HAVE BEEN PERFORMED BY OTHERS. ELECTRICAL EQUIPMENT AND COMPONENTS ARE SHOWN TO ILLUSTRATE LOCATIONS ONLY. REFER TO ELECTRICAL DRAWINGS FOR DETAILED ELECTRICAL SYSTEM INFORMATION.
6. THE PROJECT IS NOT LOCATED IN A GAA GROUNDWATER CLASSIFICATION AREA (PER RIDEM).
7. THE PROJECT IS NOT LOCATED IN A COMMUNITY OR NON-COMMUNITY WELLHEAD PROTECTION AREA (PER RIDEM).
8. THE PROJECT IS NOT LOCATED IN A FLOOD ZONE (PER RIEMA, FEMA FIRM PANEL 180 OF 368, MAP NUMBER 44009C0180H).
9. THE PROJECT IS NOT LOCATED IN A NATURAL HERITAGE AREA (PER RINHP AND RIDEM).
10. NO HISTORIC CEMETERIES OR STRUCTURES PRESENT (PER RIGIS). RIHPHC CONFIRMATION PENDING.
11. EXISTING SOILS WITHIN THE PROJECT PRIMARILY CONSIST OF NINIGRET (NT) FINE SANDY LOAM (PER U.S. DEPARTMENT OF AGRICULTURE (USDA) NATURAL RESOURCES CONSERVATION SERVICE (NRCS)).
12. THERE WILL BE NO REMOVAL OF PRIME AGRICULTURAL SOIL.
13. LOW MAINTENANCE GRASS SEED WILL BE PLACED IN DISTURBED AREAS WITHIN THE FENCED AREA FOLLOWING CONSTRUCTION.

CERTIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE: JANUARY 2016.

TYPE OF BOUNDARY SURVEY: (WHERE NOTED: LCBS*) LIMITED CONTENT BOUNDARY SURVEY — MEASUREMENT SPECIFICATIONS: I

(WHERE NOTED: DAS*) DATA ACCUMULATION SURVEY (NOT A BOUNDARY SURVEY) — III

"THIS COMPILATION PLAN HAS BEEN PREPARED FROM SOURCES OF INFORMATION AND DATA WHOSE POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED. THE PROPERTY LINES DEPICTED HEREON DO NOT REPRESENT A BOUNDARY OPINION, AND OTHER INFORMATION DEPICTED IS SUBJECT TO CHANGES AS AN AUTHORITATIVE FIELD SURVEY MAY DISCLOSE."

BY _____
MARTIN G. CANAVAN #1895
COA # LS-A536

SEAL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 12 2017 FILE # 17-0310
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

CANAVAN & Associates, Inc.
Land Surveying
CONSTRUCTION - LAND - COMMERCIAL - RESIDENTIAL
450 George Washington Highway
Smithfield, R.I. 02917
P=(401)232-1990 F=(401)232-1994

DIMENSIONAL REGULATIONS TABLE ASSESSOR'S PLAT 8E LOT 17			
REQUIREMENT	ZONING DISTRICT R-3	PROPOSED PROJECT	NOTES
LOT SIZE (IN ACRES EQUAL TO 43,560 SF)	3	10.42	EXISTING LOT SIZE; MEETS REQUIREMENT
LOT FRONTAGE (FEET)	300	882	EXISTING FRONTAGE ALONG SOUTH COUNTY TRAIL; MEETS REQUIREMENT
FRONT YARD DEPTH (FEET)	50	53	DISTANCE TO EDGE OF SOLAR PANELS; MEETS REQUIREMENT
REAR YARD DEPTH (FEET)	100	593	DISTANCE TO EDGE OF SOLAR PANELS; MEETS REQUIREMENT
SIDE YARD DEPTH (FEET)	35	38	DISTANCE TO EDGE OF SOLAR PANELS; MEETS REQUIREMENT
MAXIMUM BUILDING COVERAGE	10%	3.5%	PANEL & ELECTRICAL EQUIPMENT AREA; MEETS REQUIREMENT
MAXIMUM HEIGHT OF MAIN STRUCTURE (FEET)	35	8.5	MAXIMUM SOLAR PANEL HEIGHT; MEETS REQUIREMENT
MAXIMUM HEIGHT OF ACCESSORY STRUCTURE (FEET)	25	8.5	MAXIMUM SOLAR PANEL HEIGHT; MEETS REQUIREMENT
SIDE AND REAR YARD DEPTH - ACCESSORY STRUCTURE (FEET)	20	110	DISTANCE FROM TRANSFORMER TO SIDE YARD; MEETS REQUIREMENT

0' 30' 60' 90'
1" = 60'

ISSUED FOR LOCAL PERMITTING/NOT FOR CONSTRUCTION

amec foster wheeler
AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE, INC.
271 MILL ROAD
CHELMSFORD, MASSACHUSETTS 01824
TELEPHONE: (978) 692-9090
FAX: (978) 692-6033
WEB: WWW.AMECFW.COM

REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
4	08/24/2017	REVISED FOR WETLANDS INVESTIGATION	RAD	APV
3	07/26/2017	REVISED PER TOWN COMMENTS	RAD	APV
2	05/25/2017	REVISED FOR PROPERTY LINE SURVEY	RAD	APV
1	05/15/2017	REVISED FENCE AND SITE ENTRANCE NOTES	APV	RAD
0	04/06/2017	ISSUED FOR LOCAL PERMITTING/NOT FOR CONSTRUCTION	APV	RAD

PROJECT: 250 KW DC SOLAR PV DEVELOPMENT
3738 SOUTH COUNTY TRAIL
PLAT 8E, LOT 17
RICHMOND, RI 02812

TITLE: PROPOSED SITE PLAN

CLIENT: ECONOX RENEWABLES, INC
P.O. BOX 534
WINCHESTER, MA 01890

SEAL:
ANDREW P. VARDAKIS
No. 12219
REGISTERED PROFESSIONAL ENGINEER
8/24/17

DESIGNED BY: APV	DRAWN BY: APV
CHECKED BY: DMP	SCALE: AS SHOWN

PROJECT NUMBER: 3652170095
DRAWING NUMBER: C-101
SHEET NUMBER: 1 OF 2

U:\ CAD Projects\Econox\Econox 10 Solar Sites - 3652170095\7.03 CAD - Plat 8E Lot 17 3738 South County Trail, Richmond\7.1 Design - Permitting\Sheets\1 - 3652170095 Plat 8E Lot 17 3738 S Cty Rich - wetlands.dwg - C-101 - Aug. 24, 2017 2:31pm - andrew.vardakis

UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN AMEC FOSTER WHEELER AND ITS CLIENT: (i) THIS DOCUMENT CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED; AND (II) 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.

GENERAL NOTES:

1. PLANS HAVE BEEN COMPILED FROM AVAILABLE ONLINE INFORMATION INCLUDING RIGIS AND LIDAR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, INCLUDING DISCREPANCIES TO ANY CODE/REGULATORY REQUIREMENTS. IF ANY DISCREPANCIES ARE ENCOUNTERED DURING CONISTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
3. ALL ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE DRAWINGS. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL, STATE, AND FEDERAL JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
4. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM OWNER AND/OR ENGINEER TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED BY THE OWNER, ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
7. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND EQUIPMENT AS SPECIFIED. CONTRACTOR SHALL CLEAN AND SUPPLY A ROLL-OFF CONTAINER OR DUMPSTER TO BE EMPTIED AS NEEDED. CLEANING SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM TRASH, DEBRIS, DUST, OR OTHER HAZARDS OF ANY NATURE AT PROJECT COMPLETION.
8. DISPOSAL OF ALL MATERIALS SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL COMPLY WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND EXISTING FEATURES PRIOR TO THE START OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER. CONTRACTOR SHALL VERIFY ACTUAL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL UTILITIES AND SERVICES THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES THROUGHOUT ALL PHASES OF WORK.
12. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES WITHIN THE PROJECT SITE.
13. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND PIPING AND STRUCTURES PRIOR TO ANY EXCAVATION ACTIVITIES BY CONTACTING THE TOWN OF RICHMOND AND RHODE ISLAND DIG-SAFE (1-800-DIG-SAFE) SEVENTY TWO (72) HOURS BEFORE STARTING CONSTRUCTION ACTIVITIES FOR FIELD MARKING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES THAT MAY NOT BE MARKED BY THE UTILITY COMPANIES. SUBSURFACE CONDITIONS ARE NOT GUARANTEED. THE CONTRACTOR SHALL REPAIR CONTRACTOR-CAUSED DAMAGE ACCORDING TO LOCAL STANDARDS AT CONTRACTOR'S EXPENSE.
14. UNLESS OTHERWISE NOTED, ALL EXISTING FEATURES DESIGNATED ON THE PLANS ARE TO REMAIN. INCLUDING, BUT NOT LIMITED TO, TREES, SIGNS, FENCING/GATES, AND SIGN POSTS. FEATURES SHALL BE VERIFIED, LOCATED AND PROTECTED DURING ALL PHASES OF CONSTRUCTION.
15. ALL CONSTRUCTION ACTIVITIES MUST BE COMPLETED WITH RESPECT TO THE ONGOING ACTIVITIES OF THE SURROUNDING AREAS. ACCESS ROADWAYS SHALL REMAIN OPEN AND FREE OF DEBRIS AS MUCH AS PRACTICABLE.
16. ALL ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC), RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, AND THE RHODE ISLAND POLLUTION DISCHARGE ELIMINATION SYSTEM (RIPDES) CONSTRUCTION GENERAL PERMIT, IF APPLICABLE.
17. CONTRACTOR SHALL LIMIT ALL CONSTRUCTION ACTIVITIES TO THE LIMITS OF CLEARING AND UNDERGROUND ELECTRIC INTERCONNECTION ROUTE.
18. CONTRACTOR TO DISABLE AND SECURE ALL EQUIPMENT PRIOR TO DAILY SHUTDOWN. CLIENT IS NOT RESPONSIBLE FOR VANDALISM, OR LOSS DUE TO TRESPASSING.
19. JOB SITE OR NEIGHBORHOOD COMPLAINTS OF EXCESSIVE NOISE, VIBRATION, OR ODORS MUST BE COMMUNICATED WITH ENGINEER UPON RECEIPT OF FIRST COMPLAINT EACH PROJECT DAY. CONTRACTOR MUST HAVE CONTINGENCY PLANS FOR EXCESSIVE NOISE AND ODORS AS APPLICABLE.

GRADING, DRAINAGE, AND EROSION CONTROL NOTES:

1. NO VEGETATION SHALL BE DISTURBED EXCEPT AS NECESSARY FOR CONSTRUCTION AND ONLY AS APPROVED BY THE ENGINEER. NO HEAVY EQUIPMENT SHALL BE OPERATED OR STORED AND NO MATERIALS SHALL BE HANDLED OR STORED WITHIN THE DRIP LINES OF UNDISTURBED TREES OR WITHIN 100 FEET FROM THE LIMIT OF STREAMS.
2. PERMANENT CONTROLS OR SURFACE STABILIZATION SHALL COMMENCE AS SOON AS PRACTICABLE BUT IN NO CASE MORE THAN 14 DAYS AFTER COMPLETION OF FILLING AND GRADING ACTIVITIES. AREAS WHICH WILL NOT BE REWORKED FOR 14 CALENDAR DAYS SHALL BE TEMPORARILY SEEDED AND MULCHED AS SOON AS IT IS KNOWN WITH REASONABLE CERTAINTY THAT WORK WILL BE STOPPED FOR AT LEAST 14 CALENDAR DAYS.
3. CONSTRUCT TEMPORARY EROSION CONTROLS AS SHOWN ON THE DRAWINGS PRIOR TO STARTING WORK. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION. WHEN LAND IS EXPOSED DURING CONSTRUCTION, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME. LAND SHOULD NOT BE LEFT EXPOSED DURING THE WINTER MONTHS IF APPLICABLE.
4. SILT FENCE SHALL BE INSTALLED AND MAINTAINED WHERE SHOWN. ADDITIONAL PERIMETER CONTROLS SHALL BE ADDED AS REQUIRED BY THE ENGINEER PRIOR TO ANY ON SITE DISTURBANCE OF EXISTING SURFACE MATERIAL. SILT FENCE SHALL BE MAINTAINED DURING AND AFTER CONSTRUCTION TO REMOVE SEDIMENT FROM RUNOFF WATER AND FROM LAND UNDERGOING CONSTRUCTION. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN ITS DEPTH REACHES 50% OF THE HEIGHT OF THE FENCE. REPLACE DAMAGED SILT BARRIERS AS REQUIRED BY THE ENGINEER AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE POSSIBLE, NATURAL DRAINAGE WAYS SHOULD BE UTILIZED AND LEFT OPEN TO REMOVE CLEAN EXCESS SURFACE WATER.
5. ALL LOCATIONS OF TEMPORARY EROSION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER, AND SHALL BE REPLACED IF NECESSARY.
6. TEMPORARY EROSION AND SEDIMENT CONTROL BMPS (INCLUDING SILT FENCE AND CONSTRUCTION ENTRANCE) SHALL BE REMOVED WITHIN 30 CALENDAR DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED AS DETERMINED BY THE ENGINEER. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED (95% VEGETATION DENSITY).
7. EXISTING CONTOUR LINES ARE SHOWN BASED ON GIS AND LIDAR DATA. SHOULD THE CONTRACTOR HAVE ANY QUESTIONS OF THEIR INTENT OR ANY PROBLEMS WITH CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED PRIOR TO BEGINNING WORK.
8. STORMWATER DRAINAGE SHALL BE CONTROLLED ON-SITE, SUCH THAT THERE IS NO CHANNELIZED FLOW OF RUNOFF.
9. STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS AND WHEREVER CONSTRUCTION TRAFFIC ENTERS AND LEAVES THE SITE. EXISTING CONSTRUCTION EXITS SHALL BE INSPECTED AND MAINTAINED.
10. THE EROSION CONTROL DEVICES SHOWN ON THE DRAWING REPRESENT THE MINIMUM REQUIRED FOR EROSION CONTROL AND SHALL BE INSTALLED AS REQUIRED. THE CONTRACTOR SHALL ADD TO THESE DEVICES ANY AND ALL MEASURES AS REQUIRED BY THE ENGINEER TO EFFECTIVELY PREVENT EROSION AND MIGRATION OF SEDIMENT FROM THE WORK AREA.
11. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER. IF EROSION IS OBSERVED ALONG THE LOWER EDGE OF THE SOLAR PANEL ARRAY ("DRIP EDGE"), EROSION CONTROL MATTING SHALL BE INSTALLED ALONG THE LENGTH OF THE DRIP EDGE.

DUST CONTROL:

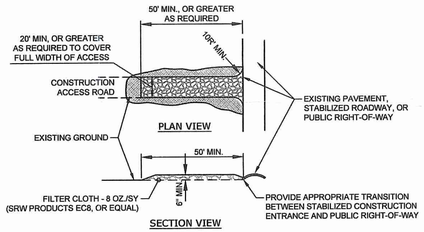
1. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED SO THAT A MINIMUM OF DISTURBED SOIL IS EXPOSED AT ONE TIME.
2. DUST SHALL BE CONTROLLED ON CONSTRUCTION ROUTES AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING.
3. MAINTAIN DUST CONTROL MEASURES PROPERLY THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
4. DUST CONTROL METHODS SHALL INCLUDE VEGETATIVE COVER, MULCH (INCLUDING GRAVEL MULCH), WATER SPRINKLING, STONE, AND BARRIERS.
5. VEGETATIVE COVER - FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.
6. MULCH (INCLUDING GRAVEL MULCH) - WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST.
7. SPRINKLING - THE SITE MAY BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. SPRINKLING IS ESPECIALLY EFFECTIVE FOR DUST CONTROL ON HAUL ROADS AND OTHER TRAFFIC ROUTES.
8. STONE - USED TO STABILIZE CONSTRUCTION ROADS; CAN ALSO BE EFFECTIVE FOR DUST CONTROL.
9. BARRIERS - A BOARD FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AND BLOWING SOIL. ALL OF THESE FENCES ARE NORMALLY CONSTRUCTED OF WOOD AND THEY PREVENT EROSION BY OBSTRUCTING THE WIND NEAR THE GROUND AND PREVENTING THE SOIL FROM BLOWING OFFSITE.

SEEDING AND REVEGETATION PLAN:

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE TREATED AS STATED BELOW PER THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (RI SESC). THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED. SATISFACTORY GROWTH SHALL MEAN APPROXIMATELY 95% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

1. DISTURBED AREAS SHALL BE PREPARED FOR SEEDING BY RAKING 3-4" OF THE GROUND SURFACE TO LOOSEN THE EXISTING SOIL.
2. HAY OR STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE FOR MAXIMUM MOISTURE RETENTION RESULTS. CELLULOSE FIBER MULCH APPLICATION RATE SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS.
3. DISTURBED AREAS SHALL BE SEEDED USING THE FOLLOWING MIX OR OTHER APPROVED MIX AS DIRECTED BY THE OWNER AND ENGINEER DEPENDING ON THE TIME OF YEAR AND AMOUNT OF SEEDING REQUIRED:

   AT THE RATE OF 3.5 LBS. PER 1,000 SQ. FT. OF THE FOLLOWING MIXTURE: KENTUCKY BLUE GRASS (0.5LB/1,000 SF), CREEPING RED FESCUE (2.5 LB/1,000 SF), PERENNIAL RYE GRASS (0.5 LB/1,000 SF). SEEDING SHOULD BE PLANTED TO A DEPTH OF 0.25" TO 0.5" INCHES. SEEDING METHODS MAY BE DRILL SEEDINGS, BROADCASTS AND ROLLED, CULTIPACKED, OR TRACKED WITH A SMALL TRACK PIECE OF CONSTRUCTION EQUIPMENT.
4. SEEDING FOR NON-NATIVE SPECIES SHALL BE COMPLETED BETWEEN THE DATES OF APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 30. SEEDING FOR NATIVE SPECIES SHALL BE COMPLETED IN AUGUST AND SEPTEMBER. WATERING MAY BE REQUIRED DURING DRY PERIODS.
5. IF FINAL SEEDING OF THE DISTURBED AREA IS NOT COMPLETED BY OCTOBER 1ST OF THE YEAR OF CONSTRUCTION THEN TEMPORARY VEGETATIVE COVER SHALL BE INSTALLED PER THE RI SESC.
6. STEEP SLOPES (3:1 AND STEEPER) SHALL BE STABILIZED BY INSTALLING EROSION CONTROL MATTING (E.G., NORTH AMERICAN GREEN OR EXCELSIOR).
7. INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEED IMMEDIATELY. CONDUCT A FOLLOW-UP SURVEY AFTER ONE YEAR AND RESEED WHERE NECESSARY.
8. IF THERE ARE AREAS WITH LESS THAN 40% COVER, REEVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. IF THE SEASON PREVENTS RESOWING, MULCH OR JUTE NETTING IS AN EFFECTIVE TEMPORARY COVER.
9. LIME AND FERTILIZE THEREAFTER AT PERIODIC INTERVALS, AS NEEDED.
10. ALL SEDIMENT CONTROL STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS APPROXIMATELY 95%, AS DETERMINED BY CONSTRUCTION INSPECTOR, OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

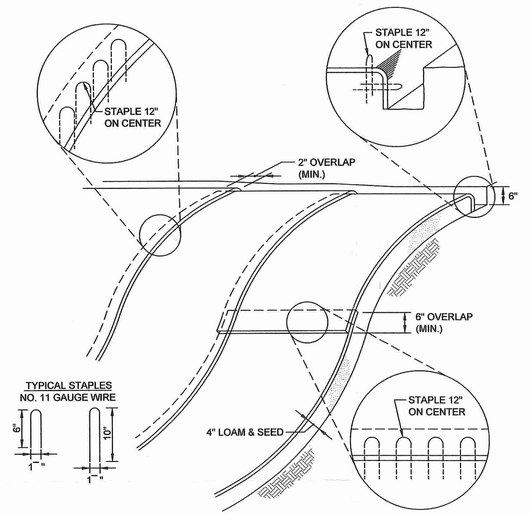


NOTES:

1. STONE SIZE - 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 - TWENTY (20) FT. MIN, BUT NOT LESS THAN THE FULL 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. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SIDE SLOPES WILL BE PERMITTED.
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 - 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 EVENT.

STABILIZED CONSTRUCTION ENTRANCE (1)

NOT TO SCALE

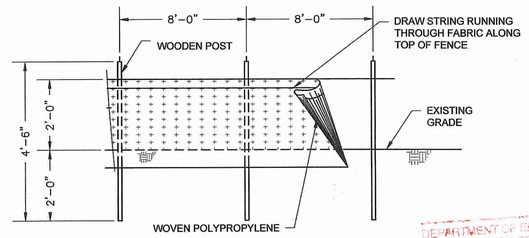


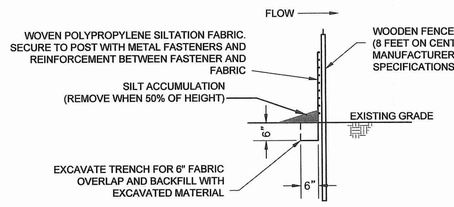
NOTES:

1. BEGIN AT THE TOP OF MATTING INSTALLATION AREA BY ANCHORING MATTING IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE MATTING DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF MATTINGS MUST BE STAPLED WITH A MINIMUM OF 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN MATTINGS MUST BE SPLICED DOWN THE SWALE, PLACE MATTING END OVER END WITH 6 INCH (MIN) OVERLAP AND ANCHOR DOWN SLOPE MATTING IN A 6 INCH DEEP TRENCH.
5. EROSION CONTROL MATTING SHALL BE INSTALLED ON STEEP SLOPES (3:1 AND STEEPER) AND MANUFACTURED BY NORTH AMERICAN GREEN, EXCELSIOR,OR APPROVED EQUAL.

EROSION CONTROL MATTING SLOPE INSTALLATION (3)

NOT TO SCALE





NOTE:
SEE MANUFACTURER'S SPECIFICATION FOR REINFORCEMENT REQUIREMENTS.

SILT FENCE (2)

NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER DATED
DATED OCT 12 2017
FILE # 17-0210
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L Freeman

Environmental Management
SEP 6 2017
Office of Water Resources

ISSUED FOR LOCAL PERMITTING/NOT FOR CONSTRUCTION

amec foster wheeler
AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE, INC.
271 MILL ROAD
CHELMSFORD, MASSACHUSETTS 01824
TELEPHONE: (978) 692-9090
FAX: (978) 692-6633
WEB: WWW.AMECFW.COM

REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED BY	APPROVED
3	07/26/2017	REVISED PER TOWN COMMENTS	RAD	APV
2	05/25/2017	REVISED FOR PROPERTY LINE SURVEY	RAD	APV
1	05/15/2017	REVISED FENCE AND SITE ENTRANCE NOTES	APV	RAD
0	04/06/2017	ISSUED FOR LOCAL PERMITTING/NOT FOR CONSTRUCTION	APV	RAD

PROJECT: 250 KW DC SOLAR PV DEVELOPMENT
3738 SOUTH COUNTY TRAIL
PLAT 8E, LOT 17
RICHMOND, RI 02812

TITLE: **NOTES & DETAIL PLAN**

CLIENT: **ECONOX RENEWABLES, INC**
P.O. BOX 534
WINCHESTER, MA 01890

SEAL:
ANDREW P. VARDAKIS
No. 12219
REGISTERED PROFESSIONAL ENGINEER
CIVIL
7/28/17

DESIGNED BY: APV	DRAWN BY: APV
CHECKED BY: DMP	SCALE: AS SHOWN
PROJECT NUMBER: 3652170095	
DRAWING NUMBER: C-501	
SHEET NUMBER: 2 OF 2	

U:\ CAD Projects\Econox\Econox 10 Solar Sites - 3652170095\7.03 CAD - Plat 8E Lot 17 3738 South County Trail, Richmond\7.1 Design - Permitting\Sheets\2 - 3652170095 Plat 8E Lot 17 3738 S Cty Rich.dwg - C-501 - Jul. 28, 2017 7:47am - andrew.vardakis

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