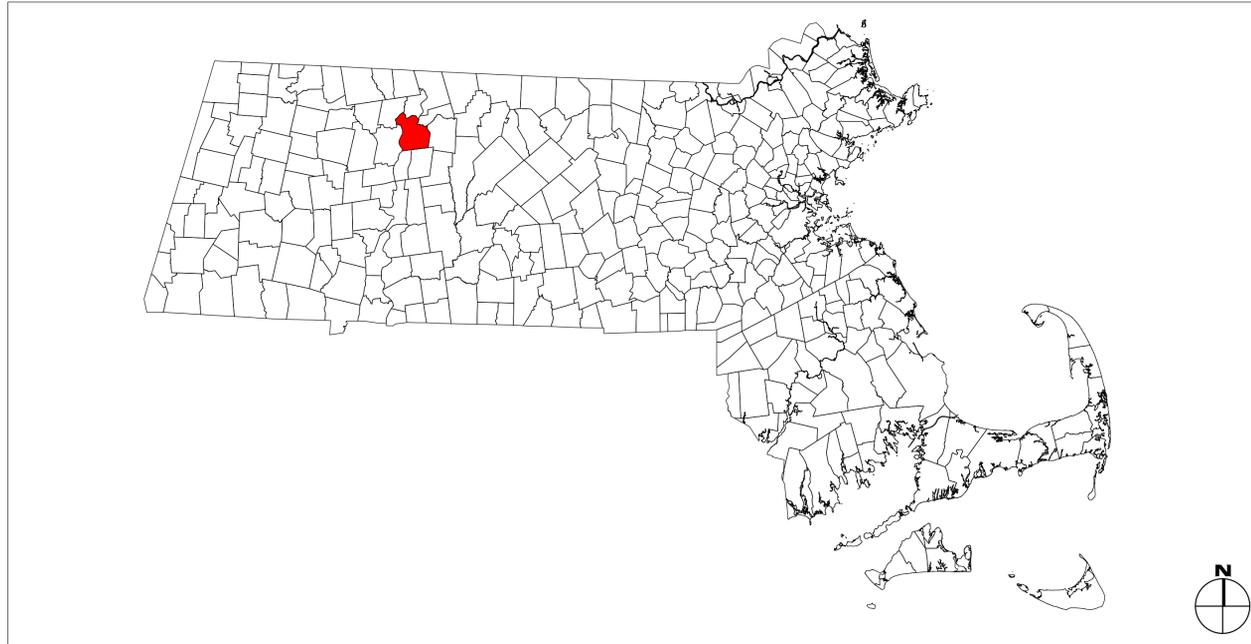


EVERSOURCE - MASSACHUSETTS PHOTOVOLTAIC PROGRAM - ROUND II

PROPOSED ±6,150 kW-DC SOLAR PHOTOVOLTAIC (PV) PROJECT

MILLERS FALLS ROAD
MONTAGUE, MASSACHUSETTS 01376

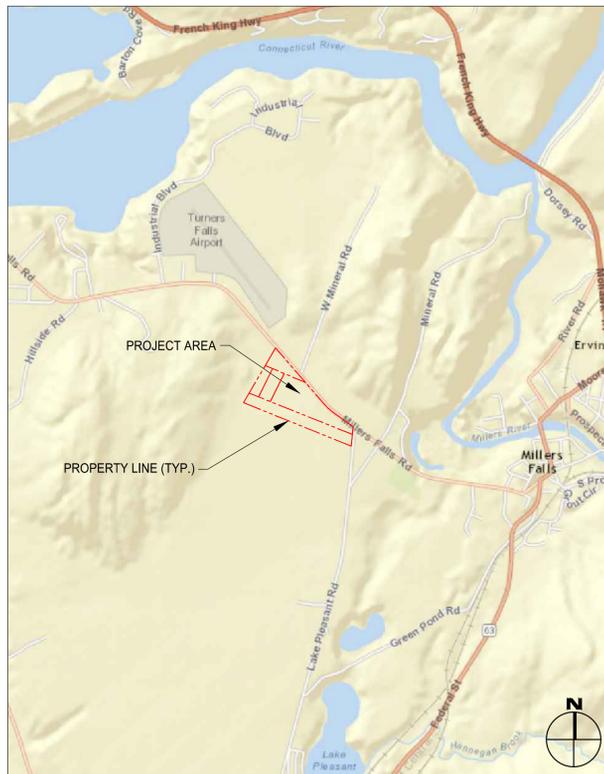


MASSACHUSETTS MUNICIPAL MAP
SCALE: N.T.S.

PROJECT DIRECTORY	
DEVELOPER/APPLICANT: EVERSOURCE ENERGY 300 CADWELL DRIVE SPRINGFIELD, MASSACHUSETTS 01104	
CONTACT: BILL BLANCHARD (413) 787-1029	
ENGINEER: WESTON & SAMPSON ENGINEERS, INC. 5 CENTENNIAL DRIVE PEABODY, MASSACHUSETTS 01960	
CONTACT: STEPHEN WIEHE, PG (978) 532-1900	
UTILITY: EVERSOURCE 300 CADWELL DRIVE SPRINGFIELD, MASSACHUSETTS 01104	
CONTACT: BILL BLANCHARD (413) 787-1029	

DRAWING INDEX	
SHEET	SHEET TITLE
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SOLAR PHOTOVOLTAIC (PV) SYSTEM DESCRIPTION		
SYSTEM SIZE (@ STC)	±6,150 kW (DC)	±4,620 kW (AC)
MODULE	(±18,088) 340 WATT	
TILT ANGLE	35 DEGREES	
AZIMUTH	225 DEGREES	
RACKING	POST-DRIVEN RACKING SYSTEM	
INVERTER(S)	(4) 1,000 kW; (1) 500 kW	



SITE LOCUS MAP
SCALE: 1" = 2,000'



SITE LOCATION MAP (AERIAL VIEW)
SCALE: 1" = 800'

SITE INFORMATION TABLE (SEE NOTE #1)				
LOCATION:	LAKE PLEASANT ROAD	REAR MILLERS FALLS ROAD	REAR MILLERS FALLS ROAD	MILLERS FALLS ROAD
PROPERTY ID:	28-0-01	24-0-23	24-0-24	24-0-25
BOOK / PAGE:	1387 31	1470 181	1387 31	1470 181
LAND USE CODE:	423	441	441	440
NEIGHBORHOOD CODE:	4	4	4	4
LAND OWNER:	ROCKY RIVER REALTY COMPANY	ROCKY RIVER REALTY COMPANY	ROCKY RIVER REALTY COMPANY	ROCKY RIVER REALTY COMPANY
OWNER ADDRESS:	PO BOX 270	PO BOX 270	PO BOX 270	PO BOX 270
OWNER CITY:	HARTFORD	HARTFORD	HARTFORD	HARTFORD
OWNER STATE:	CT	CT	CT	CT
OWNER ZIP:	06141-0270	06141-0270	06141-0270	06141-0270
ZONING:	INDUSTRIAL (ID)	INDUSTRIAL (ID)	INDUSTRIAL (ID)	INDUSTRIAL (ID)
PARCEL AREA:	666,184 SQ FT (15.29 ACRES)	348,632 SQ FT (8 ACRES)	217,952 SQ FT (5 ACRES)	1,010,308 SQ FT (23.19 ACRES)
100-FT WETLAND:	0.00 ACRES	0.00 ACRES	0.00 ACRES	0.00 ACRES
EXCLUDED AREA:	0.00 ACRES	0.00 ACRES	0.00 ACRES	0.00 ACRES
PHOTOVOLTAIC (PV) AREA:	±5.24 ACRES	±0.02 ACRES	±3.31 ACRES	±14.16 ACRES
CLEARING:	±6.24 ACRES	±0.29 ACRES	±3.94 ACRES	±14.42 ACRES

INDUSTRIAL ZONE (ID) TABLE (SEE NOTE #1)				
TOTAL PARCEL AREA:	51.48 ACRES			
TOTAL EXCLUDED AREA:	0.00 ACRES			
TOTAL PHOTOVOLTAIC (PV) AREA:	±22.73 ACRES			
TOTAL CLEARING AREA:	±24.89 ACRES			

ZONING REGULATION REQUIREMENTS												
ZONE:	INDUSTRIAL (ID)											
	PROPERTY ID:	28-0-01		24-0-23		24-0-24		24-0-25		24-0-25		
CONDITIONS:	-	EXISTING	PROPOSED									
MIN. LOT AREA (ACRES):	N/A	15.29	15.29	N/A	8	8	N/A	5	5	N/A	23.19	23.19
MIN. FRONT YARD SETBACK (FT):	25	N/A	±170	25	N/A	N/A	25	N/A	N/A	25	N/A	±200
MIN. SIDE YARD SETBACK (FT):	15	N/A	N/A	15	N/A	±180	15	N/A	N/A	15	N/A	N/A
MIN. REAR YARD SETBACK (FT):	30	N/A	±270	30	N/A	N/A	30	N/A	N/A	30	N/A	N/A
MAX. BUILDING HEIGHT (FT):	36	<36	<36	36	<36	<36	36	<36	<36	36	<36	<36

- NOTES:
- EXISTING CONDITIONS AND SITE INFORMATION FROM THE TOWN OF MONTAGUE ZONING BYLAWS (EFFECTIVE JANUARY 30, 2014), TOWN OF MONTAGUE, MASSACHUSETTS WEB GIS MAPS AND ONLINE PROPERTY INFORMATION AND MASSACHUSETTS GIS. ALL QUANTITIES APPROXIMATE.

Project:

EVERSOURCE
EVERSOURCE ENERGY
P.O. BOX 5017
HARTFORD, CT. 06102

MASSACHUSETTS PHOTOVOLTAIC PROGRAM - ROUND II

MILLERS FALLS ROAD MONTAGUE, MA 01349

Weston & Sampson
5 Centennial Drive Peabody, Massachusetts
(978) 532-1900 (800) Sampson
www.westonandsampson.com

Revisions:

Rev	Date	Description

Seal:

JOB NO. 2160713
FOR PERMITTING
NOT FOR CONSTRUCTION

Date: 01.11.17
Scale: AS SHOWN
Designed By: RWG
Reviewed By: RWG
Checked By: SPW
Approved By: FMR

Drawing Title:
COVER SHEET

Sheet Number:
T-1

Project:



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LEGEND

DESCRIPTION	EXISTING	PROPOSED
CATCH BASIN		
HYDRANT		
GATE VALVE		
UTILITY POLE		
CURB STOP		
EDGE OF PAVEMENT		
EDGE OF UNPAVED ROAD		
TRAIL		
SITE (PROPERTY LINE)		
PROPERTY LINE		
OVERHEAD WIRE (ELECTRICAL)		
ELECTRICAL CONDUIT (SUBGRADE)		
RAILROAD		
STONE WALL		
RETAINING WALL		
FENCE		
EDGE OF WOODS/ CLEARING LIMIT		
SPOT ELEVATIONS		
CONTOUR LINES		
ACCESS GRAVEL ROAD		
RIP RAP		
SIGN		
SEDIMENTATION CONTROL SYSTEM		
WELL		
SEWER MANHOLE		
DRAIN MANHOLE (DMH)		
UPLAND REVIEW		
100 YEAR FLOOD ZONE		
PROTECTED OPEN SPACE		
IRON PIN		
WETLAND		
EQUIPMENT PAD		
GROUND-MOUNTED SOLAR PV MODULES (ELECTRICALLY CONNECTED)		

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CALL DIG SAFE AT 811 OR 1-888-DIG-SAFE AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIG SAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
3. STONE WALLS, FENCES, CURBS, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
4. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PROJECT AREA SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.

DRAINAGE:

1. THE CONTRACTOR SHALL PROVIDE, AT ITS OWN EXPENSE, ADEQUATE DRAINAGE FACILITIES TO COMPLETE ALL WORK ITEMS IN AN ACCEPTABLE MANNER. DRAINAGE SHALL BE DONE IN A MANNER SO THAT RUNOFF WILL NOT ADVERSELY AFFECT CONSTRUCTION PROCEDURES NOR CAUSE EXCESSIVE DISTURBANCE OF UNDERLYING NATURAL GROUND OR ABUTTING PROPERTIES.

FROST PROTECTION AND SNOW REMOVAL:

1. THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, KEEP EARTHWORK OPERATIONS CLEAR AND FREE OF ACCUMULATIONS OF SNOW AS REQUIRED TO CARRY OUT THE WORK.
2. THE CONTRACTOR SHALL PROTECT THE SUBGRADE BENEATH NEW STRUCTURES AND PIPES FROM FROST PENETRATION WHEN FREEZING TEMPERATURES ARE EXPECTED.

MATERIALS SPECIFICATIONS:

GEOSYNTHETICS:

1. GENERAL:

SUBMIT 6 SETS OF SHOP DRAWINGS FOR EACH MATERIAL. INSTALLATION OF GEOTEXTILE FABRICS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFIC LAYOUT PLANS AND DETAILS REVIEWED BY OWNER'S REPRESENTATIVE.

2. WOVEN GEOTEXTILE:

THE WOVEN GEOTEXTILE SHALL BE MIRAFI 500X FABRIC, BY MIRAFI INC., OR APPROVED EQUAL. THE WOVEN GEOTEXTILE SHALL BE COMPOSED OF POLYPROPYLENE STABILIZED WITH CARBON BLACK TO RESIST ULTRAVIOLET DEGRADATION AND BE RESISTANT TO BIOLOGICAL AND CHEMICAL DEGRADATION DUE TO ALL NATURALLY OCCURRING ORGANISMS OR REAGENTS NORMALLY ENCOUNTERED IN NATURAL SOIL ENVIRONMENTS.

EARTHWORK MATERIALS:

1. GENERAL:

SUBMIT 6 SETS OF SHOP DRAWINGS FOR EACH MATERIAL.

2. GRAVEL BORROW

GRAVEL BORROW SHALL SATISFY THE REQUIREMENTS LISTED IN MASSDOT SPECIFICATION SECTION M1.03.0, TYPE B.

3. CRUSHED STONE:

CRUSHED STONE SHALL SATISFY THE REQUIREMENTS LISTED IN MASSDOT SPECIFICATION SECTION M2.01.

BACKFILL MATERIALS:

1. CLASS B BACKFILL:

CLASS B BACKFILL SHALL BE GRANULAR, WELL GRADED FRIABLE SOIL; FREE OF DEBRIS, RUBBISH, ICE, SNOW, TREE STUMPS, ROOTS, CLAY AND ORGANIC MATTER; WITH 30 PERCENT OR LESS PASSING THE NO. 200 SIEVE; NO STONE GREATER THAN TWO-THIRD (2/3) LOOSE LIFT THICKNESS, OR SIX INCHES, WHICHEVER IS SMALLER.

BACKFILL PLACEMENT AND COMPACTION:

1. PRIOR TO BACKFILLING, THE CONTRACTOR SHALL COMPACT THE EXPOSED NATURAL SUBGRADE TO THE DENSITIES AS SPECIFIED HEREIN.
2. AFTER APPROVAL OF SUBGRADE BY THE ENGINEER, THE CONTRACTOR SHALL BACKFILL AREAS TO REQUIRED CONTOURS AND ELEVATIONS WITH SPECIFIED MATERIALS.
3. THE CONTRACTOR SHALL PLACE AND COMPACT MATERIALS TO THE SPECIFIED DENSITY IN CONTINUOUS HORIZONTAL LAYERS, NOT TO EXCEED NINE (9) INCHES IN UNCOMPACTED LIFTS. THE DEGREE OF COMPACTION SHALL BE BASED ON MAXIMUM DRY DENSITY AS DETERMINED BY ASTM TEST D1557, METHOD C. THE MINIMUM DEGREE OF COMPACTION FOR FILL PLACED SHALL BE AS FOLLOWS:

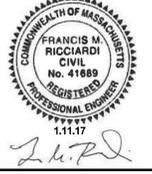
LOCATION	PERCENT OF MAXIMUM DENSITY
BELOW PIPE CENTERLINE	95
ABOVE PIPE CENTERLINE	92
BELOW PAVEMENT (UPPER 3 FT.)	95
EMBANKMENTS	95
BELOW PIPE IN EMBANKMENTS	95
ADJACENT TO STRUCTURES	92
BELOW STRUCTURES	95

4. IF THE MATERIAL REMOVED FROM THE EXCAVATION IS SUITABLE FOR BACKFILL WITH THE EXCEPTION THAT IT CONTAINS STONES LARGER THAN PERMITTED, THE CONTRACTOR HAS THE OPTION TO REMOVE THE OVERSIZED STONES AND USE THE MATERIAL FOR BACKFILL OR TO PROVIDE REPLACEMENT BACKFILL AT NO ADDITIONAL COST TO THE OWNER.

Revisions:

Rev	Date	Description

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Drawing Title:

NOTES AND LEGEND

Sheet Number:

G-1

GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN ACCORDANCE WITH THE MASSACHUSETTS EROSION & SEDIMENTATION CONTROL GUIDELINES. THE CONTRACTOR SHALL OWN AND MAINTAIN A COPY OF THE GUIDELINES ON-SITE DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE KEPT TO A MINIMUM. FINAL GRADING AND RESTORATION SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL.
- EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO SITE WORK.
- ALL CONTROL STRUCTURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN STABILIZATION HAS BEEN ATTAINED. IF THE PROPOSED CONTROL MEASURES ARE NOT SATISFACTORY TO THE OWNER'S REPRESENTATIVE, ADDITIONAL CONTROL MEASURES SHALL BE TAKEN.
- ALL RUNOFF FROM THE DISTURBED AREA SHALL BE CONTROLLED AND FILTERED. NON-WOVEN SYNTHETIC FIBER FILTER FABRIC, STRAW BALES OR SILT SOCKS SHALL BE INSTALLED AS SHOWN ON THE PLAN.
- A MASSDEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WATERS FROM CONSTRUCTION ACTIVITIES WILL BE REQUIRED FOR THE PROPOSED PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND COMPLIANCE WITH THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- THE CONTRACTOR MUST OBTAIN COPIES OF THE ZONING, WETLANDS AND MASSDEP STORMWATER PERMITS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES. THIS RESPONSIBILITY INCLUDES THE ACQUISITION OF MATERIALS, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT STRUCTURES, THE COMMUNICATION AND DETAILED EXPLANATION TO ALL PEOPLE INVOLVED IN THE SITE WORK OF THE REQUIREMENTS AND OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL MEASURES.
- TWO (2) WEEKS PRIOR TO THE START OF WORK THE CONTRACTOR SHALL PROVIDE THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN.
- THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY PROPOSED ALTERATION TO THE EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO ALTERING, IN ORDER TO ENSURE THE FEASIBILITY OF THE ADDITION, SUBTRACTION, OR CHANGE IN THE PLAN.

SEEDING (AREAS OUTSIDE OF PV DEVELOPMENT):

ALL DISTURBED AREAS OUTSIDE OF PV DEVELOPMENT AREAS SHALL BE RESTORED WITH A VEGETATIVE STABILIZATION MATERIAL (GRASS). THE SOIL SHALL BE ADJUSTED TO A PH OF 5.70 OR HIGHER. THIS CAN BE DONE BY USING THE APPROPRIATE AMOUNT OF GROUND LIMESTONE OR FERTILIZER, AS REQUIRED BY A SOIL TEST. IF A TEST IS NOT PERFORMED, THE AREA SHALL BE FERTILIZED WITH 10-10-10 U.F. OR EQUAL AT A RATE OF 300 POUNDS PER ACRE (11 POUNDS PER 1000 SQUARE FEET). THE LIME OR FERTILIZER SHALL BE WORKED INTO THE SOIL A MINIMUM OF 4 INCHES AND UNIFORMLY BLENDED. ALL STONES TWO INCHES OR LARGER IN DIAMETER SHALL BE APPROPRIATELY REMOVED ALONG WITH ALL DELETERIOUS MATERIAL (SUCH AS BUILDING MATERIAL WASTE, ETC.). THE SEED SHALL BE APPLIED BY EITHER HAND, CYCLONE SEEDER, A CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING BOTH SEED AND FERTILIZER). HYDROSEEDING, WHICH ARE MULCHED, MAY BE LEFT ON SOIL SURFACE. SEED MIX SHALL CONSIST OF 20 POUNDS OF KENTUCKY BLUEGRASS, 20 POUNDS OF CREEPING RED FESCUE, AND 5 POUNDS OF PERENNIAL RYEGRASS, FOR A TOTAL OF 45 POUNDS OF SEED PER ACRE. RECOMMENDED SEEDING DATES ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH OCTOBER 1. ALL SEEDED AREAS SHALL BE MAINTAINED TO ENSURE PROPER GROWTH AND TO MINIMIZE EROSION.

SHADE MIX SEEDING (WITHIN PV DEVELOPMENT AREAS):

ALL DISTURBED AREAS WITHIN THE PHOTOVOLTAIC DEVELOPMENT AREA SHALL BE HYDROMULCHED IN ACCORDANCE WITH THE FOLLOWING CONSTRUCTION METHODS:

- THE LIMING, FERTILIZING AND SEEDING TO BE ACCOMPLISHED UNDER THIS SECTION SHALL BE DONE DURING A PERIOD OF TIME TO BE APPROVED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE 30 DAYS PRIOR TO THE TIME THAT HE/SHE INTENDS TO BEGIN THIS WORK. NO SEEDING SHALL BE PERMITTED PRIOR TO APPROVAL IN WRITING BY THE OWNER'S REPRESENTATIVE.
- HEAVILY STRATIFYING THE EXISTING TURF GRASS AND OVER SEEDING WITH ADDITIONAL SEED MIX MAY BE NECESSARY IN SOME AREAS.
- WHERE APPROPRIATE, THE EXISTING TURF MAY BE TOP DRESSED WITH ONE TO TWO INCHES OF LOAM BEFORE SEED IS APPLIED.
- AFTER ALL SURFACES TO BE SEEDED HAVE BEEN BROUGHT TO FINISHED GRADE, THE CONTRACTOR SHALL FURNISH AND APPLY LIMESTONE AS HEREIN SPECIFIED.
- LIMESTONE SHALL BE APPLIED AT A RATE UP TO A MAXIMUM OF 100 POUNDS PER 1000 SQUARE FEET, OR AS DETERMINED BY THE RESULTS OF LABORATORY TESTS CONDUCTED BY AN APPROVED TESTING LABORATORY AT CONTRACTOR'S EXPENSE. A MINIMUM OF 4 SUB-SAMPLES, TAKEN TO THE PROPOSED DEPTH OF TOPSOIL, SHALL BE TAKEN PER ACRE OF AREA TO BE LIMED. THESE SAMPLES SHALL BE PLACED IN A SUITABLE CONTAINER OBTAINED FROM THE TESTING LABORATORY AND MARKED SO AS TO CLEARLY INDICATE THE ACRE AREA FROM WHICH THEY WERE TAKEN.
- THE SAMPLE SHALL BE DELIVERED BY THE CONTRACTOR TO THE TESTING LABORATORY FOR CHEMICAL AND MECHANICAL ANALYSIS. THE TESTING LABORATORY SHALL BE DIRECTED BY THE CONTRACTOR TO FURNISH TEST RESULTS AND RECOMMENDATIONS FOR LIMING AND FERTILIZING TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.
- LIME SHALL BE MECHANICALLY SPREAD IN TWO APPLICATIONS UP TO 50 POUNDS PER 1000 SQUARE FEET, ON ALL AREAS. THE LIME SHALL BE DISTRIBUTED UNIFORMLY.
- FERTILIZER SHALL BE MECHANICALLY SPREAD SO AS TO OBTAIN UP TO A MINIMUM SOWN FERTILIZER COVERAGE YIELD OF 16 POUNDS PER 1000 SQUARE FEET. THE ACTUAL AMOUNTS AND TYPE OF FERTILIZER APPLIED SHALL BE AS DETERMINED BY THE RESULTS OF LABORATORY TESTS CONDUCTED ABOVE.
- SEED SHALL BE INCORPORATED WITH THE MULCHING MATERIAL SO AS TO OBTAIN A MINIMUM SOWN COVERAGE OF 200 POUNDS OF THE SPECIFIED MIX PER ACRE. SEED SUBSTITUTIONS MAY REQUIRE RATE ADJUSTMENTS AS RECOMMENDED BY THE SEED SUPPLIERS, IF APPROVED BY THE OWNER'S REPRESENTATIVE.
- AT AREAS TO BE SEEDED BY HYDROMULCHING, CONTRACTOR SHALL REMOVE AND APPROPRIATELY DISPOSE OF ALL STONES OVER 3 INCHES IN SIZE OR OTHER UNSUITABLE MATERIAL OFF THE SITE.
- AFTER THE FINE GRADING AND PREPARATIONS FOR HYDROMULCH SEEDING ARE APPROVED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL SEED THE AREA INDICATED, AS SPECIFIED HEREIN. THE SEED SHALL BE INCORPORATED WITH MULCHING MATERIALS COMPOSED OF WOOD CELLULOSE FIBERS THAT WILL READILY DISPERSE IN WATER TO FORM A UNIFORM AND HOMOGENEOUS MIXTURE WHEN AGITATED.
- THE SLURRY SO FORMED SHALL BE OF SUCH CONSISTENCY THAT IT CAN BE SPRAYED UPON THE PREPARED SOIL SURFACES FROM A HYDROSEED GUN OR THROUGH AT LEAST 200 FEET OF ONE AND ONE-HALF INCH DIAMETER CANVAS HOSE. THE MULCHING MATERIAL SHALL BE USED AT THE RATE OF 1000 POUNDS PER ACRE ON FLAT SURFACES AND 1400 POUNDS PER ACRE ON SLOPES EXCEEDING FOUR PERCENT.
- SPRAYING EQUIPMENT SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO SITE ENTRY TO ASSESS GROUND PRESSURE.

SHADE MIX SEEDING (WITHIN PV DEVELOPMENT AREAS) (CONTINUED):

MATERIALS:

LIME:

LIME SHALL BE STANDARD COMMERCIAL GROUND LIMESTONE CONTAINING AT LEAST 50% TOTAL OXIDES (CALCIUM OXIDE AND MAGNESIUM OXIDE) AND 50% PERCENT OF THE MATERIAL MUST PASS THROUGH A #100 MESH SIEVE, WITH 98% PASSING A #20 MESH SIEVE.

FERTILIZER:

- FERTILIZER SHALL BE COMMERCIAL FERTILIZER 10-6-4 U.F. FERTILIZER MIXTURE CONTAINING AT LEAST 60% OF ORGANIC MATERIAL OR TYPE DETERMINED BY CHEMICAL SOIL ANALYSIS AS TESTED BY AN APPROVED LABORATORY. IT SHALL BE DELIVERED AT THE SITE IN THE ORIGINAL SEALED CONTAINERS WITH CONTENTS CLEARLY DESCRIBED.
- ALL FERTILIZER SHALL BE UNIFORMLY SPREAD BY A MECHANICAL SPREADER AT THE RATE OF 15 POUNDS PER 1000 SQUARE FEET. AT SLOPES EXCEEDING 25% GRADE THE FERTILIZER SHALL BE APPLIED MANUALLY IN AN APPROVED MANNER.

SEED:

THE LAWN SEED BLEND SHALL BE A SUN AND SHADE BLEND MADE UP OF THE FOLLOWING GRASSES OR APPROVED EQUAL. SUBMIT SUPPLIER'S SEED BLEND SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO COMMENCING WITH THE HYDROSEEDING OPERATIONS.

COMMON NAME	WEIGHT
PERENNIAL RYEGRASS	35%
KENTUCKY BLUEGRASS	30%
CREEPING RED FESCUE	20%
CHEWING FESCUE	15%

MULCH:

MULCH MATERIAL SHALL BE A MANUFACTURED PRODUCT OF NATURAL WOOD CELLULOSE FIBERS WITH A NON-TOXIC GREEN MARKING DYE INCORPORATED TO INSURE UNIFORM DISTRIBUTION. MATERIAL SHALL BE INTERNATIONAL PAPER COMPANY'S "TURFIBER;" WEYERHAEUSER COMPANY'S "SILVA-FIBER;" OR APPROVED EQUAL AND CLEARLY PACKED IN ORIGINAL CONTAINERS, SEALED AND CLEARLY LABELED WITH BRAND NAME AND MANUFACTURER. IT SHALL HAVE A DELIVERED MOISTURE CONTENT OF NOT OVER 12%.

MAINTENANCE OF SEEDED AREAS SHALL BE THE SOLE RESPONSIBILITY OF CONTRACTOR AS DESCRIBED BELOW:

- CONTRACTOR SHALL MAINTAIN THE ENTIRE SEEDED AREAS UNTIL FINAL ACCEPTANCE AT THE COMPLETION OF THE PROJECT OR FOR 90 DAYS, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING AS SPECIFIED, WEEDING, REMOVAL OF STONES WHICH MAY APPEAR AND REGULAR CUTTINGS OF THE GRASS NO CLOSER THAN 10 DAYS APART, THE FIRST CUTTING SHALL BE ACCOMPLISHED WHEN THE GRASS IS FROM 2-1/2 TO 3 INCHES HIGH. WEEKLY WATERING SHALL PROVIDE THE SEEDED AREAS WITH THE EQUIVALENT OF 1 INCH OF RAINFALL PER WEEK. IF THE SEEDED AREAS ARE WATERED BY NORMAL RAINFALL OR THE NORMAL WATERING IS INADEQUATE DUE TO WEATHER, THE CONTRACTOR MAY AT HIS/HER DISCRETION ELIMINATE OR INCREASE RESPECTIVELY, THE WATERING DURING A GIVEN WEEK. HOWEVER, SUCH ACTION BY THE CONTRACTOR SHALL IN NO WAY WAIVE THE CONTRACTOR'S RESPONSIBILITY FOR THE GROWTH AND HEALTH OF THE GRASS UNTIL FINAL ACCEPTANCE. CONTRACTOR SHALL FURNISH ALL TEMPORARY PIPE AND CONNECTIONS FOR SPRINKLING. CONTRACTOR SHALL FURNISH ALL REQUIRED WATER AT NO EXPENSE TO THE OWNER. GARDEN HOSE AND HAND SPRINKLING SHALL BE PERMITTED ONLY IN SPECIAL INSTANCES BY THE OWNER'S REPRESENTATIVE.
- ALL BARE SPOTS, WHICH BECOME APPARENT AS THE GRASS GERMINATES, SHALL BE RESEEDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE AS MANY TIMES AS NECESSARY TO SECURE AN ADEQUATE GROWTH, AND THE ENTIRE AREA SHALL BE MAINTAINED AND CUT UNTIL ALL WORK HAS BEEN COMPLETED AND FINAL ACCEPTANCE HAS OCCURRED. RESEEDING MAY BE ACCOMPLISHED BY HYDROMULCHING OR BY MECHANICAL MEANS AS DETERMINED BY THE AREA OF RESEEDING TO BE ACCOMPLISHED.
- AT ALL AREAS TO BE SEEDED WHERE HYDROMULCHING CANNOT BE ACCOMPLISHED, I.E., ADJACENT TO NARROW OR IRREGULARLY SHAPED AREAS, PERFORM THE WORK MANUALLY AND PROTECT THE SEEDED AREAS WITH STRAW, OR WOOD FIBER MULCH SPRINKLED TO COVER THE AREA.
- CONTRACTOR SHALL TAKE WHATEVER MEASURES ARE NECESSARY TO PROTECT THE GRASS WHILE IT IS GERMINATING. THESE MEASURES SHALL INCLUDE FURNISHING OF WARNING SIGNS, BARRIERS, TEMPORARY FENCE OR ANY OTHER NECESSARY MEASURES OF PROTECTION.
- CONTRACTOR SHALL FURNISH, PROTECT, AND MAINTAIN ALL TEMPORARY BARRIERS UNTIL FINAL ACCEPTANCE OF THE SEEDED AREAS BY THE OWNER AND SHALL REMOVE THEM UPON SUCH FINAL ACCEPTANCE, THE BARRIERS SHALL REMAIN THE PROPERTY OF CONTRACTOR AT ALL TIMES.
- SIX WEEKS AFTER THE GRASS IS ESTABLISHED, CONTRACTOR SHALL APPLY FERTILIZER TO THE SURFACE OF SEEDED AREAS AT ONE-HALF THE RATE RECOMMENDED BY INITIAL LABORATORY TESTS AS INDICATED HEREIN.

SEQUENCE FOR INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES:

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS INDICATED ON THESE PLANS OR AS REQUIRED BY THE ENGINEER.
- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- EROSION CONTROL BARRIERS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.
- THE TEMPORARY AND PERMANENT STORMWATER CONTROLS SHALL BE PERIODICALLY CLEANED OF SEDIMENT, OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE. THE SEDIMENT WILL BE REMOVED TO A SECURE LOCATION SO AS TO PREVENT SILTATION OF NATURAL WATER WAYS.
- STRAW WATTLE FILLED WITH COMPOST MUST BE A MINIMUM TUBE DIAMETER OF 12 INCHES (300mm) FOR SLOPES UP TO 50 FEET (15.24m) IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. SILT SOCK TO BE MADE OF BIODEGRADABLE BURLAP. SILT SOCK TO BE SEDIMENT FILTERMITT OR APPROVED EQUAL. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS.
- INSTALL STRAW WATTLE ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
- CONFIGURE STRAW WATTLE AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.
- DISTURBED AREAS SHALL BE SEEDED IMMEDIATELY OR AS SOON AS PRACTICABLE.
- EROSION CONTROL MEASURES SHALL BE REMOVED WHEN DISTURBED AREA IS STABILIZED.
- A CHECK LIST (PROVIDED BY THE OWNER'S REPRESENTATIVE) SHALL BE FILLED OUT BY THE CONTRACTOR EVERY WEEK OR AFTER EACH RAINFALL EVENT OF 1/2" OR GREATER AS NOTED ABOVE.

TYPICAL SEQUENCE OF CONSTRUCTION:

PRIOR TO THE DEVELOPMENT OF THE SITE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON PLAN AND IN ACCORDANCE WITH THE SEQUENCE INDICATED ON THIS SHEET (ABOVE). A TYPICAL SEQUENCE OF CONSTRUCTION IS:

- PRIOR TO STARTING ANY WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN ALL PERMITS, NOTIFY CITY OFFICIALS OF CONSTRUCTION COMMENCEMENT, AND SUBMIT CONSTRUCTION TIMETABLE.
- ON-SITE CONSTRUCTION SEQUENCE SHALL START WITH THE MINIMUM AMOUNT OF CLEARING REQUIRED TO INSTALL EROSION CONTROL MEASURES AS SHOWN ON PLAN. THIS INCLUDES, SILT SOCKS, ANTI-TRACKING PADS, STRAW BALES, AND OTHER MEASURES NOTED ON THE PLAN. NO WORK SHALL TAKE PLACE UNTIL THE OWNER'S REPRESENTATIVE HAS INSPECTED AND APPROVED INSTALLED MEASURES. AFTER EROSION CONTROL MEASURES ARE INSTALLED THE TYPICAL SEQUENCE SHALL BE AS FOLLOWS:
 - CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. STUMPS WILL BE REMOVED OR GRINDED IN-PLACE. WOOD CHIPS MAY BE LEFT ON-SITE IF DIRECTED BY OWNER.
 - IN THE HABITAT MANAGEMENT AREAS, FLUSH CUT THE TREES DURING THE INITIAL TREE CLEARING ACTIVITIES. NO GRUBBING IS TO OCCUR TO ALLOW FOR THE ESTABLISHMENT OF EARLY SUCCESSIONAL HABITAT CONDITIONS.
 - REMOVE AND STOCKPILE TOPSOIL AFTER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. STOCKPILED TOPSOIL SHALL BE SEEDED AND MULCHED WHEN IT IS TO BE STORED MORE THAN 30 DAYS FROM TIME OF STOCKPILING.
 - PROCEED WITH SOLAR PHOTOVOLTAIC (PV) SYSTEM INSTALLATION/CONSTRUCTION WORK.
 - REPAIR ALL DISTURBED AREAS, LOAM AND SEED IN ACCORDANCE WITH THIS PLAN.
 - REMOVE ALL EROSION AND SEDIMENT MEASURES AFTER FINAL ACCEPTANCE.

Project:



EVERSOURCE ENERGY
P.O. BOX 5017
HARTFORD, CT. 06102

**MASSACHUSETTS
PHOTOVOLTAIC
PROGRAM - ROUND II**

**MILLERS FALLS ROAD
MONTAGUE, MA 01349**

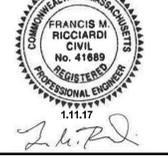


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Rev	Date	Description

Seal:



**JOB NO. 2160713
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Date: 01.11.17

Scale: AS SHOWN

Designed By: RWG

Reviewed By: RWG

Checked By: SPW

Approved By: FMR

Drawing Title:

**EROSION AND
SEDIMENTATION
CONTROL NOTES**

Sheet Number:

G-2



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PROJECT SITE

SEE SHEET C-2 FOR
 EXISTING CONDITIONS

Revisions:

Rev	Date	Description

Seal:

 1.11.17

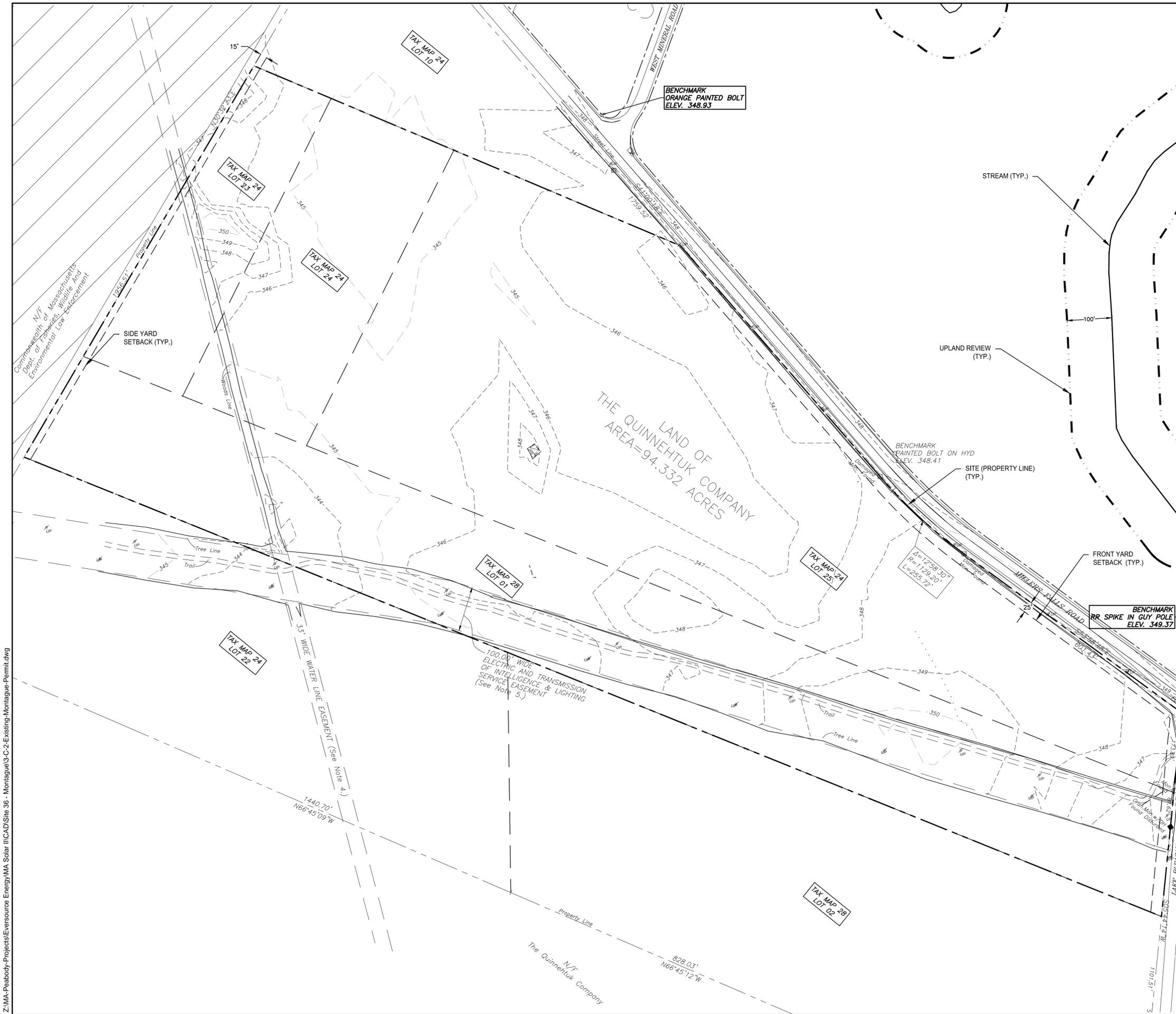
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Date: 01.11.17
 Scale: AS SHOWN
 Designed By: RWG
 Reviewed By: RWG
 Checked By: SPW
 Approved By: FMR

Drawing Title:
LOCATION PLAN
 Sheet Number:
C-1

NOTES:
 1. PROPERTY BOUNDARY INFORMATION IS BASED ON A SURVEY PREPARED BY WESTON & SAMPSON 1 WINNERS CIRCLE, ALBANY, NY 12205.
 2. AERIAL IMAGERY PROVIDED FROM THE OFFICE OF GEOGRAPHICAL AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS.

SCALE: 1" = 400'



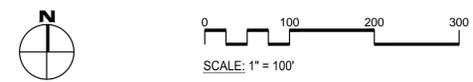
LEGEND:

- SITE (PROPERTY LINE)
- PROPERTY LINE
- STREAM
- WETLAND
- 100-FT. WETLAND UPLAND REVIEW
- PROTECTED OPEN SPACE

- NOTES:**
1. BASE MAP IS BASED ON A SURVEY PREPARED BY WESTON & SAMPSON, 1 WINNERS CIR. ALBANY, NY DATED NOVEMBER 2016.
 2. PROTECTED OPEN SPACE, WETLAND AND STREAM INFORMATION IS FROM MASSACHUSETTS GIS.

- SURVEY NOTES:**
1. BEARINGS REFER TO THE MASSACHUSETTS NAD 83 STATE PLANE COORDINATE SYSTEM (MAINLAND ZONE).
 2. ELEVATIONS REFER TO THE 1988 NORTH AMERICAN DATUM (NAVD 88).
 3. REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - A. "THE TURNERS FALLS WATER WORKS, RIGHTS OF WAY FOR FORCE AND LEADING MAIN LINES", SCALE 1"=500', DATED JANUARY 18, 1887, RECORDED AS PLAN BOOK 169 OF 75 OF THE FRANKLIN REGISTRY OF DEEDS.
 - B. "LAND IN MONTAGUE (FRANKLIN COUNTY), MA SURVEYED FOR THE QUINNEHTUK COMPANY BEING A SUBDIVISION OF LOTS 1 AND 2 SHOWN ON LAND COURT PLAN 39006A", BY ANISWORTH ASSOCIATES, INC., SCALE 1"=400', DATED 5/22/99.
 - C. "COMPILED PLAN OF LAND IN MONTAGUE (FRANKLIN CO.), MA PREPARED FOR NORTHEAST UTILITIES", BY ANISWORTH ASSOCIATES, INC., SCALE 1"=800' & 1"=300', SHEETS 1 THRU 4, DATED 07/09/1999, RECORDED AS PLAN BOOK 101 OF 27 OF THE FRANKLIN REGISTRY OF DEEDS.
 - D. "EASEMENTS OVER LAND IN MONTAGUE (FRANKLIN CO.), MA SURVEYED FOR NORTHEAST UTILITIES", BY ANISWORTH ASSOCIATES, INC., SCALE 1"=400', SHEETS 1 & 2, DATED 07/10/99 RECORDED AS PLAN BOOK 101 OF 27 OF THE FRANKLIN REGISTRY OF DEEDS.
 - E. LAND COURT PLANS 39006A & 39006B.

4. THE PROPERTY IS SUBJECT TO A 33' WATER LINE RIGHT OF WAY AS DESCRIBED IN BOOK 387, PAGE 409 OF THE FRANKLIN REGISTRY OF DEEDS.
5. THE PROPERTY IS SUBJECT TO A 100' WIDE ELECTRIC AND TRANSMISSION OF INTELLIGENCE & LIGHTING SERVICE EASEMENT AS DESCRIBED IN BOOK 3520, PAGE 91 OF THE FRANKLIN REGISTRY OF DEEDS.
6. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO WESTON & SAMPSON. THE EXISTENCE, SIZE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG.



Project:

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MASSACHUSETTS PHOTOVOLTAIC PROGRAM - ROUND II

MILLERS FALLS ROAD MONTAGUE, MA 01349

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Revisions:

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Seal:

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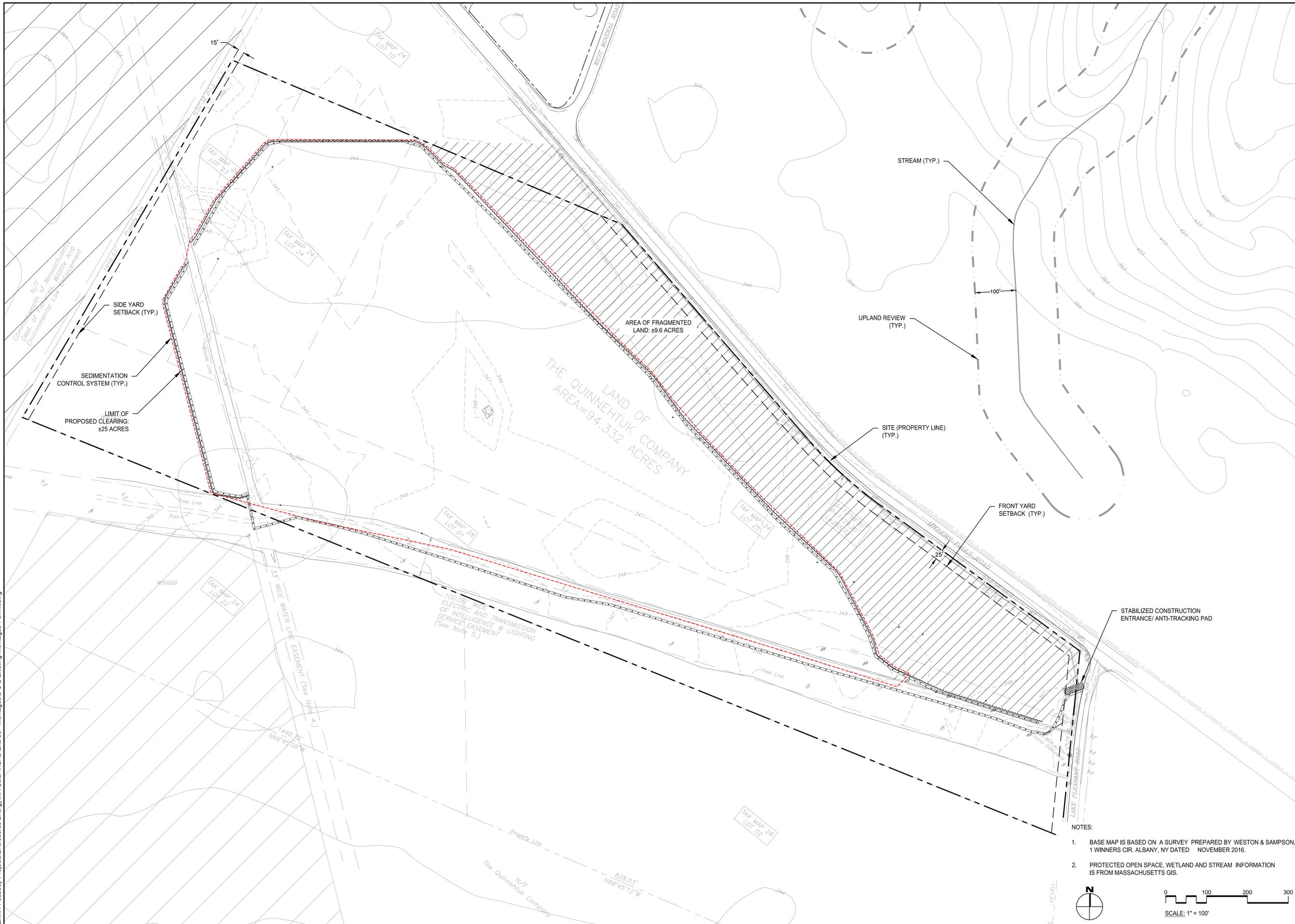
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 Checked By: SPW
 Approved By: FMR

Drawing Title:
EXISTING CONDITIONS PLAN

Sheet Number:
C-2

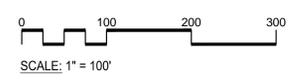
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NOTES:

1. BASE MAP IS BASED ON A SURVEY PREPARED BY WESTON & SAMPSON, 1 WINNERS CIR. ALBANY, NY DATED NOVEMBER 2016.
2. PROTECTED OPEN SPACE, WETLAND AND STREAM INFORMATION IS FROM MASSACHUSETTS GIS.



Project:

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MASSACHUSETTS
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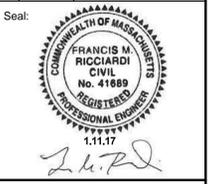
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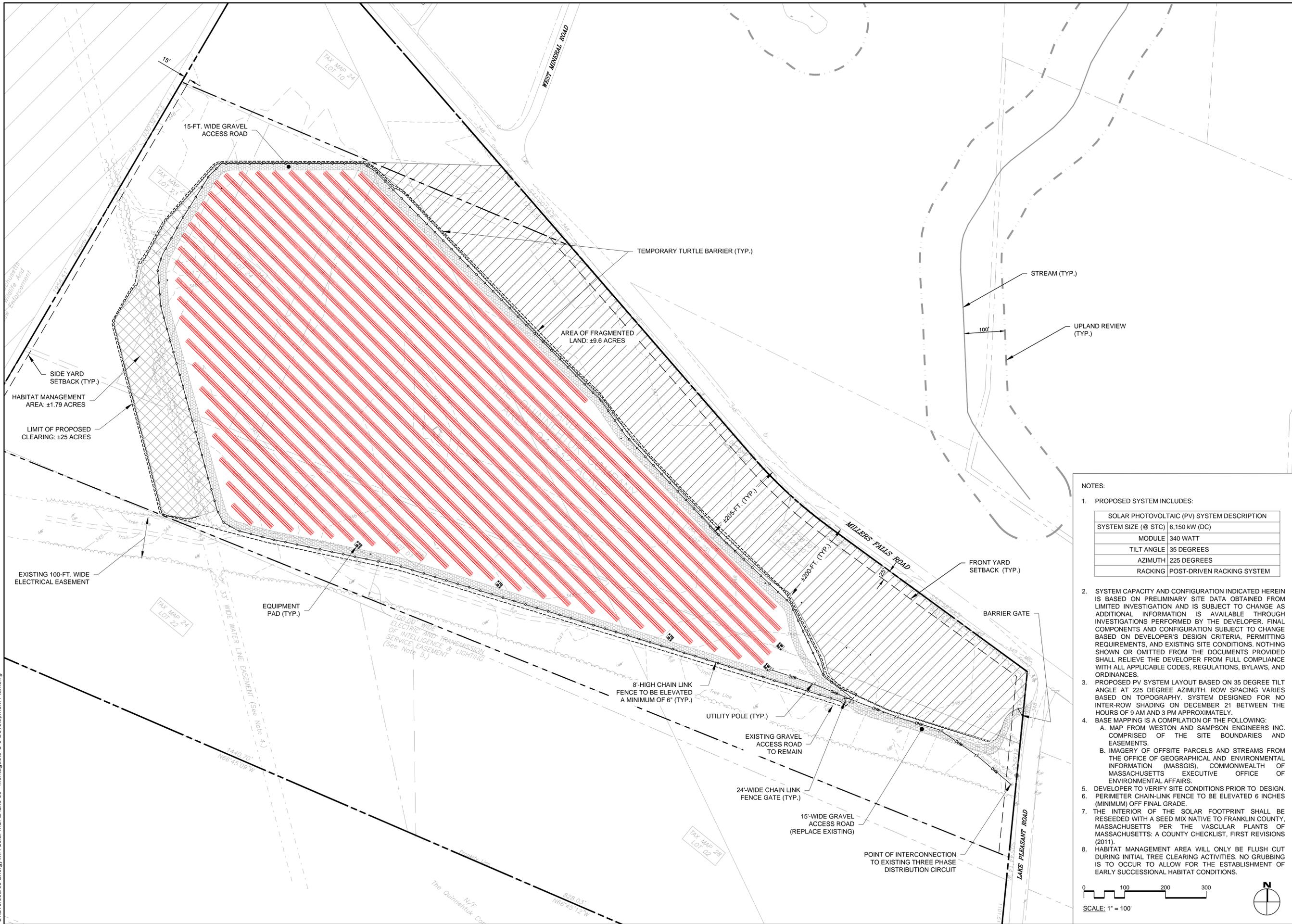
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Drawing Title:

**EROSION AND
SEDIMENTATION
CONTROL PLAN**

Sheet Number:

C-3



Project:

EVERSOURCE

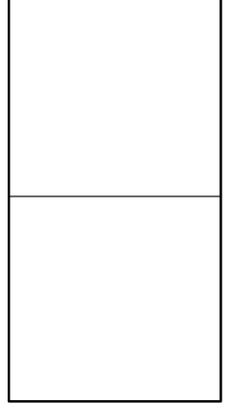
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MASSACHUSETTS
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PROGRAM - ROUND II

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Designed By: RWG

Reviewed By: RWG

Checked By: SPW

Approved By: FMR

Drawing Title:

DEVELOPMENT PLAN

Sheet Number:

C-4

NOTES:

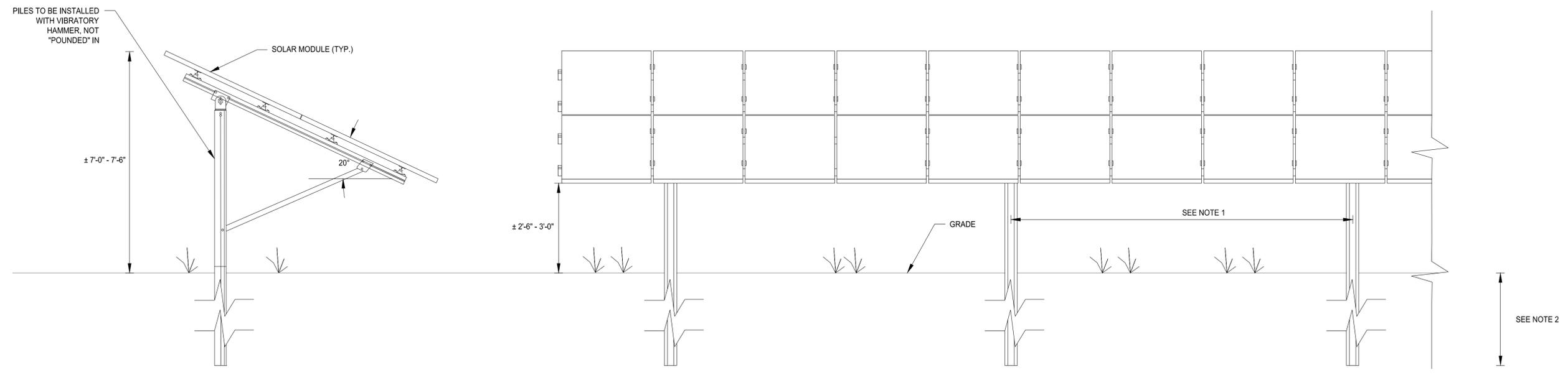
- PROPOSED SYSTEM INCLUDES:

SOLAR PHOTOVOLTAIC (PV) SYSTEM DESCRIPTION	
SYSTEM SIZE (@ STC)	6,150 kW (DC)
MODULE	340 WATT
TILT ANGLE	35 DEGREES
AZIMUTH	225 DEGREES
RACKING	POST-DRIVEN RACKING SYSTEM
- SYSTEM CAPACITY AND CONFIGURATION INDICATED HEREIN IS BASED ON PRELIMINARY SITE DATA OBTAINED FROM LIMITED INVESTIGATION AND IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION IS AVAILABLE THROUGH INVESTIGATIONS PERFORMED BY THE DEVELOPER. FINAL COMPONENTS AND CONFIGURATION SUBJECT TO CHANGE BASED ON DEVELOPER'S DESIGN CRITERIA, PERMITTING REQUIREMENTS, AND EXISTING SITE CONDITIONS. NOTHING SHOWN OR OMITTED FROM THE DOCUMENTS PROVIDED SHALL RELIEVE THE DEVELOPER FROM FULL COMPLIANCE WITH ALL APPLICABLE CODES, REGULATIONS, BYLAWS, AND ORDINANCES.
- PROPOSED PV SYSTEM LAYOUT BASED ON 35 DEGREE TILT ANGLE AT 225 DEGREE AZIMUTH. ROW SPACING VARIES BASED ON TOPOGRAPHY. SYSTEM DESIGNED FOR NO INTER-ROW SHADING ON DECEMBER 21 BETWEEN THE HOURS OF 9 AM AND 3 PM APPROXIMATELY.
- BASE MAPPING IS A COMPILATION OF THE FOLLOWING:
 - MAP FROM WESTON AND SAMPSON ENGINEERS INC. COMPRISED OF THE SITE BOUNDARIES AND EASEMENTS.
 - IMAGERY OF OFFSITE PARCELS AND STREAMS FROM THE OFFICE OF GEOGRAPHICAL AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS.
- DEVELOPER TO VERIFY SITE CONDITIONS PRIOR TO DESIGN.
- PERIMETER CHAIN-LINK FENCE TO BE ELEVATED 6 INCHES (MINIMUM) OFF FINAL GRADE.
- THE INTERIOR OF THE SOLAR FOOTPRINT SHALL BE RESEEDED WITH A SEED MIX NATIVE TO FRANKLIN COUNTY, MASSACHUSETTS PER THE VASCULAR PLANTS OF MASSACHUSETTS: A COUNTY CHECKLIST, FIRST REVISIONS (2011).
- HABITAT MANAGEMENT AREA WILL ONLY BE FLUSH CUT DURING INITIAL TREE CLEARING ACTIVITIES. NO GRUBBING IS TO OCCUR TO ALLOW FOR THE ESTABLISHMENT OF EARLY SUCCESSIONAL HABITAT CONDITIONS.

0 100 200 300

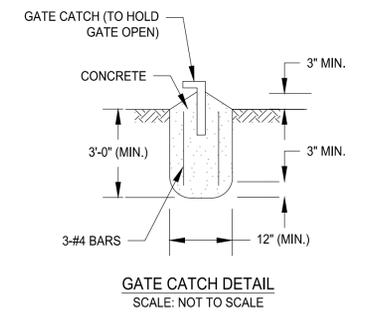
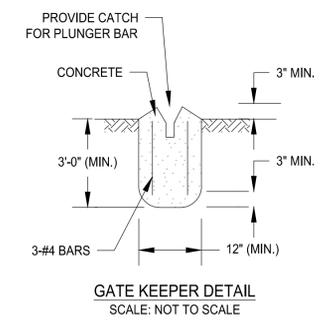
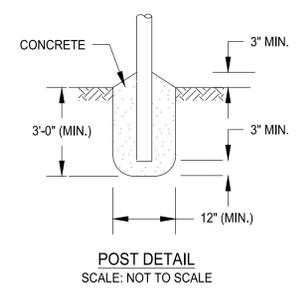
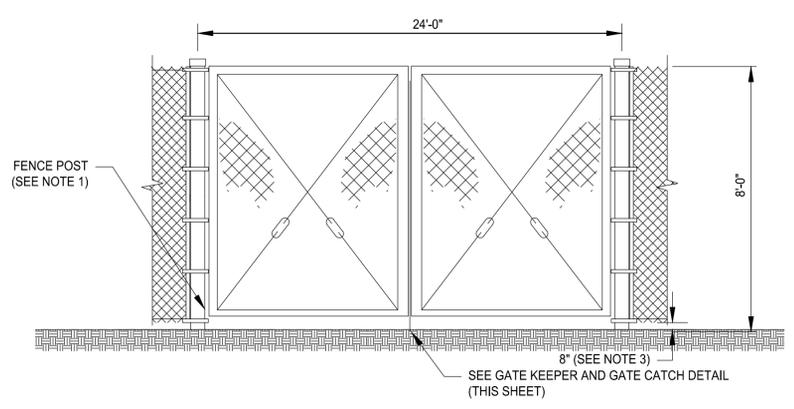
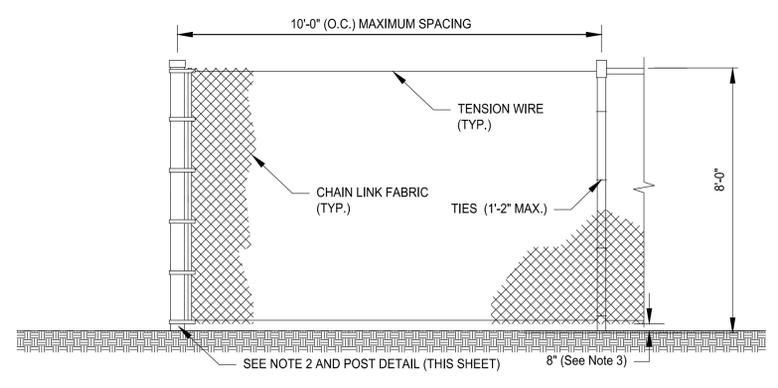
SCALE: 1" = 100'

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NOTE:
 1. PILES DEPTH AND FREQUENCY BASED ON GEOTECHNICAL ANALYSIS.

1 TYPICAL RACKING ASSEMBLY
 SCALE: N.T.S.

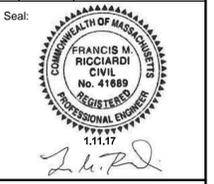


NOTES:
 1. ALL FENCING AND HARDWARE SHALL BE GALVANIZED.
 2. FENCE POSTS TO BE DRIVEN. CONCRETE TO BE USED AS SHOWN IN POST DETAIL IF REQUIRED.
 3. ALL GATES AND FENCES TO HAVE 8" "CRITTER GAP" SEPARATION FROM BOTTOM OF CHAIN LINK TO EXISTING GRADE.

2 TYPICAL CHAIN LINK FENCE AND GATE DETAIL
 SCALE: N.T.S.

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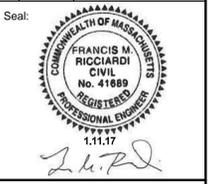
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 Approved By: FMR

Drawing Title:
DETAILS I

Sheet Number:
D-1

Revisions:

Rev	Date	Description

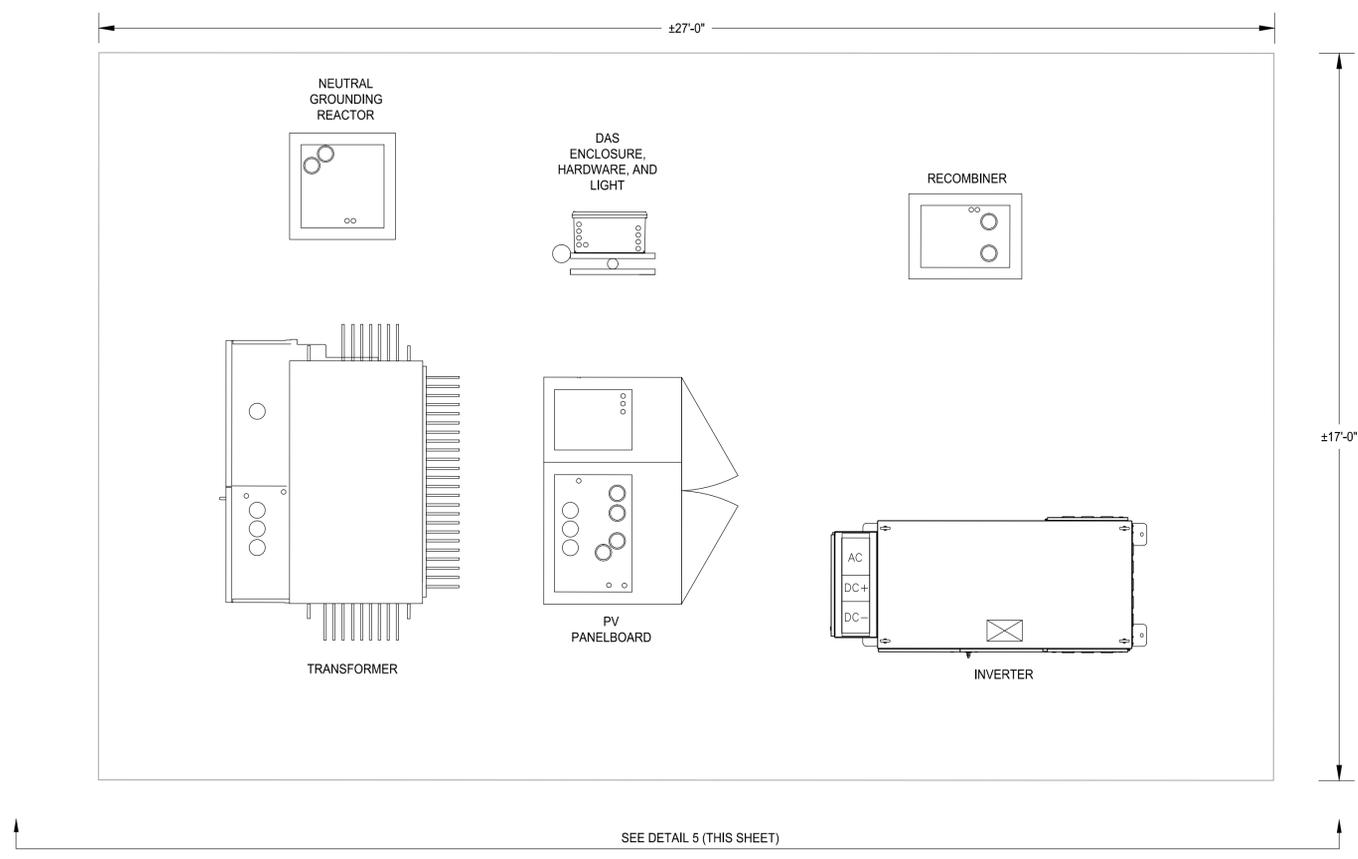


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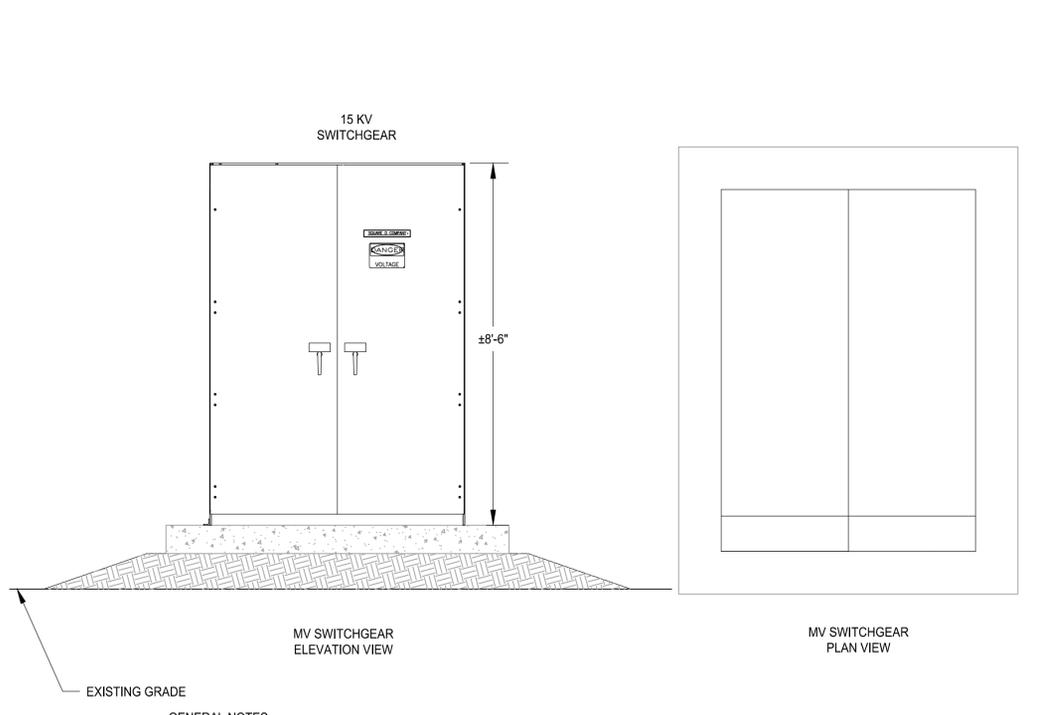
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Checked By:	SPW
Approved By:	FMR

Drawing Title:
DETAILS II

Sheet Number:
D-2

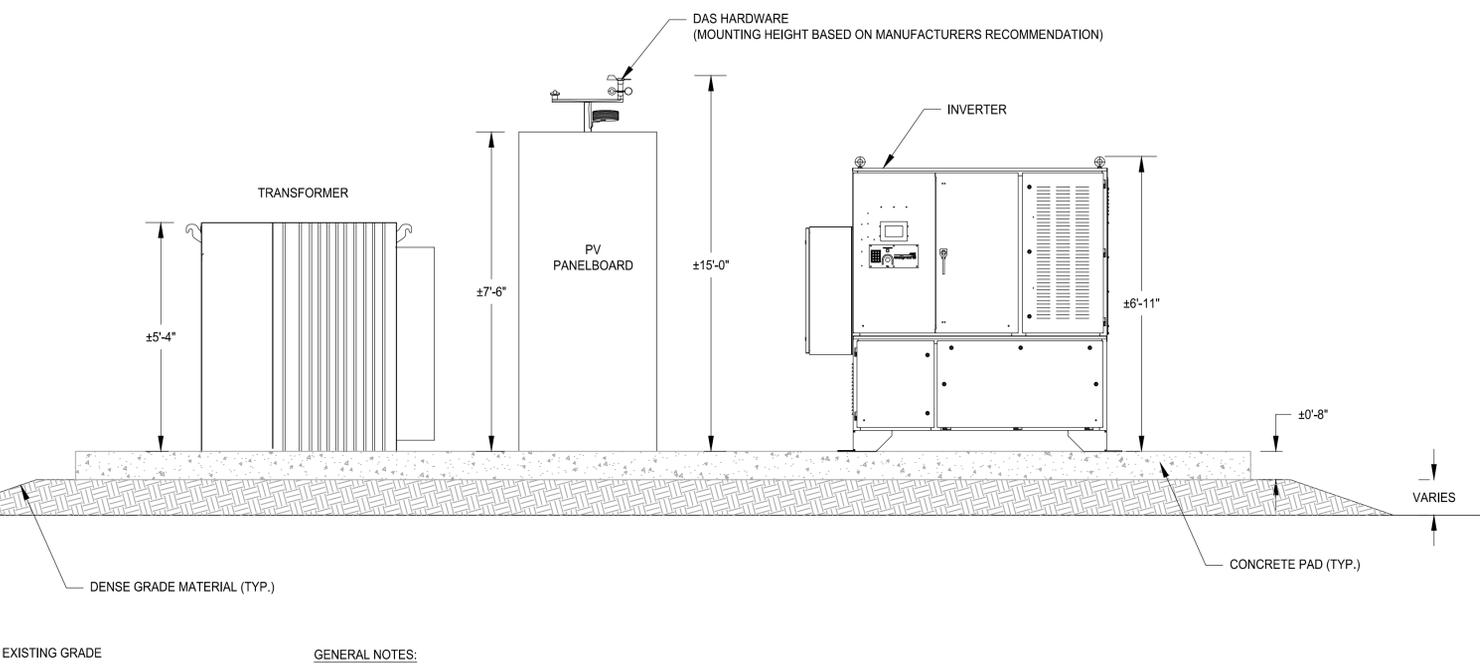


3 TYPICAL EQUIPMENT PAD LAYOUT
 SCALE: N.T.S.



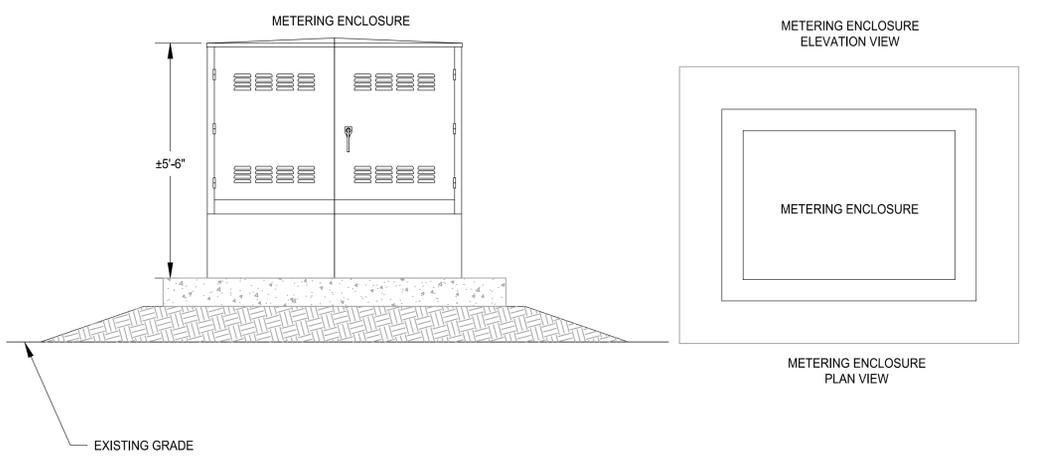
- GENERAL NOTES:**
1. FINAL COMPONENTS AND CONFIGURATION SUBJECT TO CHANGE. PAD DIMENSIONS AND REINFORCEMENT TO BE DESIGNED AS PART OF THE BUILDING PERMIT SUBMITTAL.
 2. DENSE GRADE MATERIAL TO LEVEL THE PAD. CONDUIT TO REMAIN ABOVE THE EXISTING GRADE AT ALL TIMES.

4 TYPICAL SWITCHGEAR ENCLOSURE DETAIL
 SCALE: N.T.S.

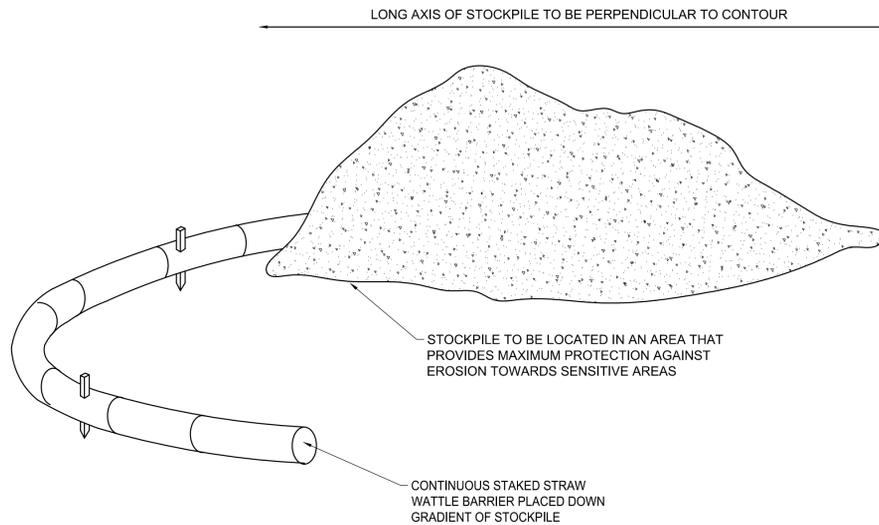


- GENERAL NOTES:**
1. FINAL COMPONENTS AND CONFIGURATION SUBJECT TO CHANGE. PAD DIMENSIONS AND REINFORCEMENT TO BE DESIGNED AS PART OF THE BUILDING PERMIT SUBMITTAL.
 2. DENSE GRADE MATERIAL TO LEVEL THE PAD.

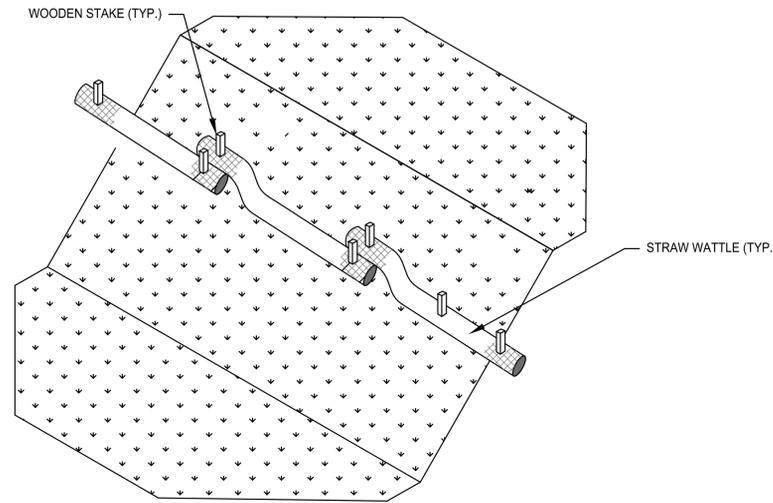
5 TYPICAL EQUIPMENT PAD LAYOUT ELEVATION
 SCALE: N.T.S.



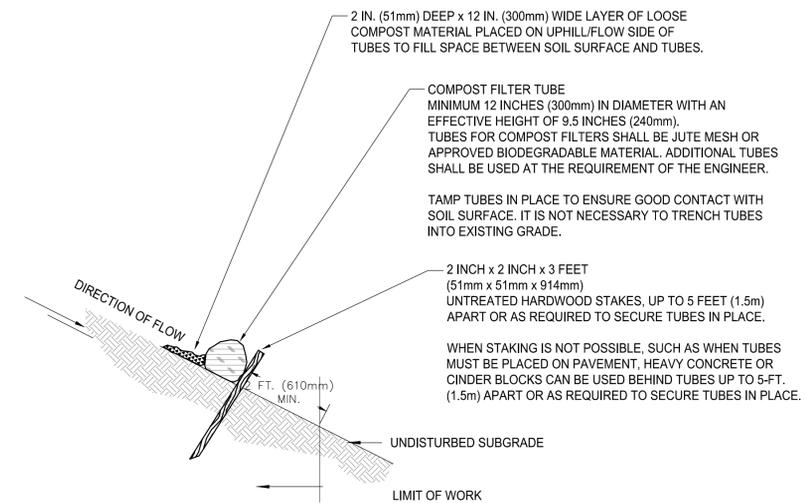
6 TYPICAL METERING ENCLOSURE DETAIL
 SCALE: N.T.S.



TEMPORARY STOCKPILE DETAIL (IF REQUIRED)
SCALE: N.T.S.



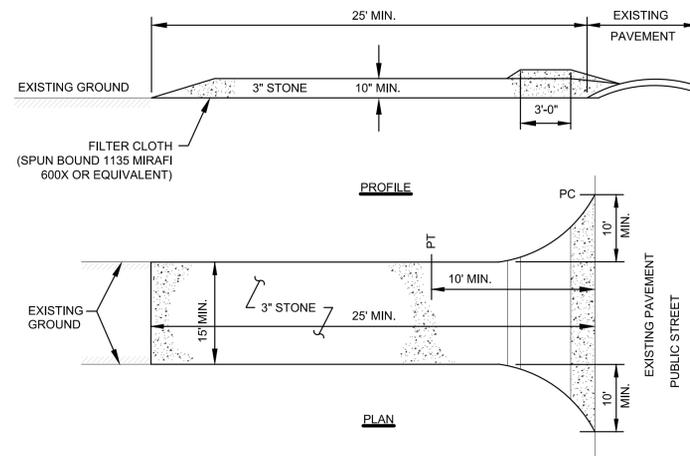
SLOPE DETAIL
SCALE: N.T.S.



GENERAL NOTES:

1. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS DETERMINED BY THE ENGINEER.
2. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
3. EROSION/SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON PLANS. EROSION CONTROL BARRIERS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.
4. THE TEMPORARY AND PERMANENT STORMWATER CONTROLS SHALL BE PERIODICALLY CLEANED OF SEDIMENT, AS REQUIRED BY THE OWNER'S REPRESENTATIVE. THE SEDIMENT WILL BE REMOVED TO A SECURE LOCATION SO AS TO PREVENT SILTATION OF NATURAL WATER WAYS.
5. STRAW WATTLE MUST BE A MINIMUM TUBE DIAMETER OF 12 INCHES (300mm) FOR SLOPES UP TO 50 FEET (15.24m) IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER, LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. STRAW WATTLE TO BE MADE OF BIODEGRADABLE BURLAP. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS FOR OTHER EROSION CONTROLS.
6. INSTALL STRAW WATTLE ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
7. CONFIGURE WATTLES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.
8. EROSION CONTROL MEASURES SHALL BE REMOVED WHEN DISTURBED AREA IS STABILIZED. DISTURBED AREA RESULTING FROM THE EROSION CONTROL MEASURE REMOVAL OPERATION SHALL BE SEEDED.
9. STRAW WATTLE TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS.

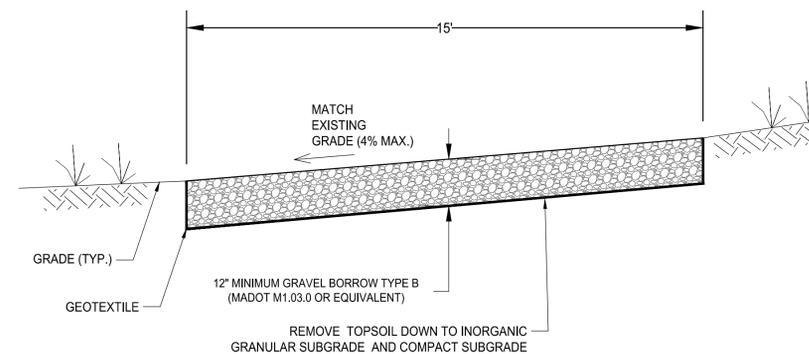
7 EROSION CONTROL MEASURES
SCALE: N.T.S.



NOTES:

1. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
2. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
3. 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 BY THE CONTRACTOR IMMEDIATELY.
4. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
6. AT THE CONCLUSION OF PROJECT, ANY ACCUMULATED SEDIMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REMOVAL OF ANTI-TRACKING PAD SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

8 STABILIZED CONSTRUCTION ENTRANCE (ANTI-TRACKING PAD)
SCALE: N.T.S.



9 GRAVEL ACCESS ROAD DETAIL
SCALE: N.T.S.

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P.O. BOX 5017
HARTFORD, CT. 06102

**MASSACHUSETTS
PHOTOVOLTAIC
PROGRAM - ROUND II**

**MILLERS FALLS ROAD
MONTAGUE, MA 01349**

Weston & Sampson
5 Centennial Drive Peabody, Massachusetts
(978) 532-1900 (800) Sampson
www.westonandsampson.com

Revisions:

Rev	Date	Description

Seal:

JOB NO. 2160713
FOR PERMITTING
NOT FOR CONSTRUCTION

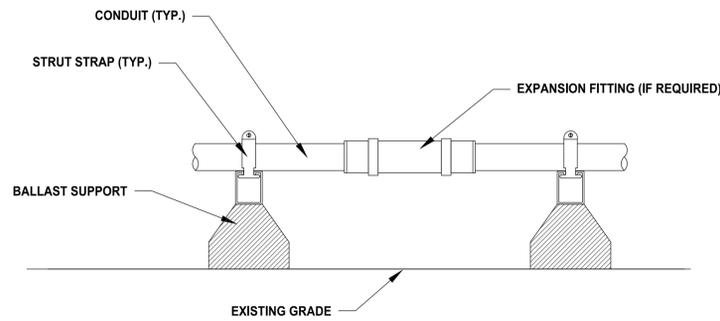
Date:	01.11.17
Scale:	AS SHOWN
Designed By:	RWG
Reviewed By:	RWG
Checked By:	SPW
Approved By:	FMR

Drawing Title:

DETAILS III

Sheet Number:

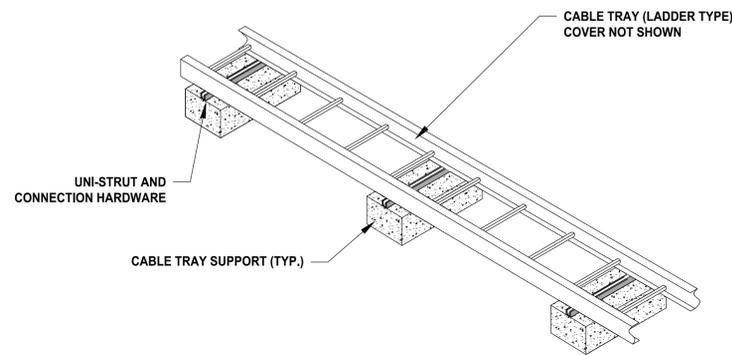
D-3



NOTES:

1. ALL CONDUIT RELATED HARDWARE TO BE GALVANIZED.
2. CONDUIT SUPPORTS SHALL BE SPACED PER THE NEC.
3. EXPANSION AND SPLICE FITTINGS SHALL BE INSTALLED PER THE NEC AND MANUFACTURERS SPECIFICATIONS.
4. CONDUIT TYPE AND DIMENSIONS SHALL BE BASED ON FINAL CONDUIT AND WIRE PLAN.
5. CRUSHED STONE TO BE ADDED BENEATH CABLE TRAY SUPPORTS AS NEEDED TO LEVEL CONDUIT.
6. CONDUIT AND SUPPORTS SHALL NOT BE INSTALLED SUCH THAT STORMWATER FLOW AND COLLECTION SHALL BE IMPACTED.
7. CONTRACTOR MAY USE BALLASTED CABLE TRAY AS A SUBSTITUTE TO CONDUIT.

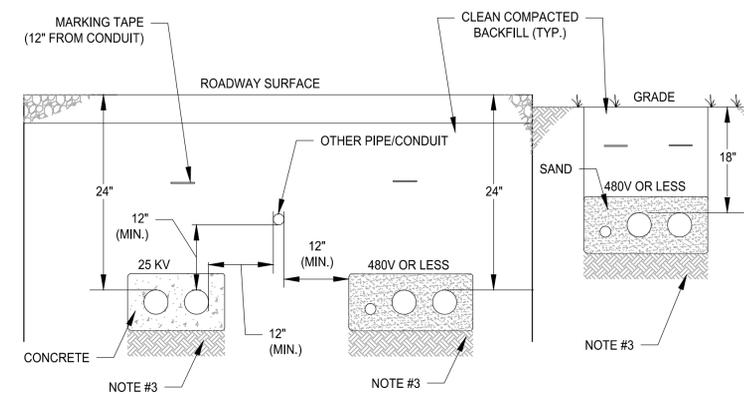
10 TYPICAL ABOVE-GROUND CONDUIT AND SUPPORT DETAIL
SCALE: N.T.S.



NOTES:

1. CABLE TRAY AND ALL RELATED HARDWARE TO BE GALVANIZED.
2. CABLE TRAY SUPPORTS SHALL BE SPACED PER THE NEC.
3. EXPANSION AND SPLICE FITTINGS SHALL BE INSTALLED PER THE NEC AND MANUFACTURERS SPECIFICATIONS.
4. CABLE TRAY TYPE AND DIMENSIONS SHALL BE BASED ON FINAL CONDUIT AND WIRE PLAN.
5. CRUSHED STONE TO BE ADDED BENEATH CABLE TRAY SUPPORTS AS NEEDED TO LEVEL TRAY.
6. CABLE TRAY AND SUPPORTS SHALL NOT BE INSTALLED SUCH THAT STORMWATER FLOW AND COLLECTION SHALL BE IMPACTED.

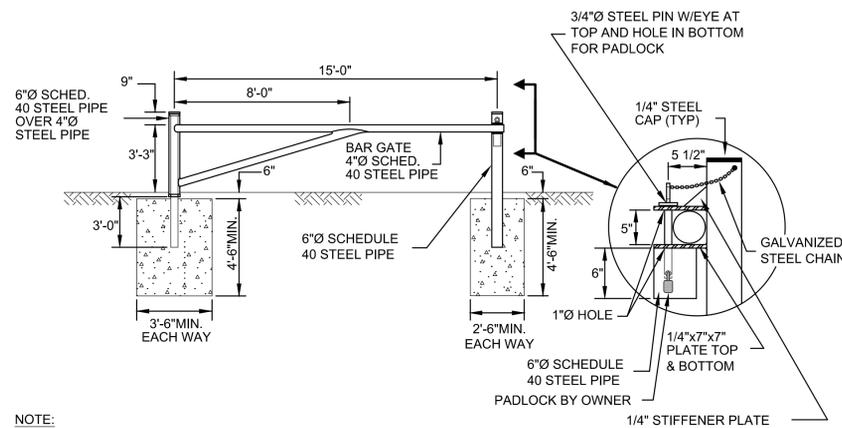
11 TYPICAL ABOVE-GROUND CABLE TRAY AND SUPPORT DETAIL
SCALE: N.T.S.



NOTES:

1. UNLESS OTHERWISE INDICATED, MAINTAIN DEPTH AND CLEARANCES AS INDICATED OR AS REQUIRED BY CODE.
2. THIS UNDERGROUND CONDUIT DETAIL WILL BE USED AT ALL OTHER UNDERGROUND INSTALLATIONS.
3. 4" DEEP COMPACTED SOIL TO BE INSTALLED UNDER CONDUIT.
4. FINAL ELECTRICAL EQUIPMENT AND DESIGN BASED ON EXISTING SITE CONDITIONS AND UTILITY REQUIREMENTS.

12 TYPICAL UNDERGROUND CONDUIT SUPPORT DETAIL
SCALE: N.T.S.



NOTE:
ALL EXPOSED PIPE AND APPURTENANCES TO BE PAINTED WITH ZINC RICH PRIMER PLUS ONE COAT OF CATALYZED EPOXY AND A FINISH COAT OF ACRYLIC POLYURETHANE BY TNEEC CO. OR APPROVED EQUAL. ALL INTERSECTING PIPE JOINTS SHALL BE SHOP FILLET WELDED.

13 BARRIER GATE DETAIL
SCALE: N.T.S.

Project:
EVERSOURCE
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Francis M. Ricciardi

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DETAILS IV

Sheet Number:
D-4