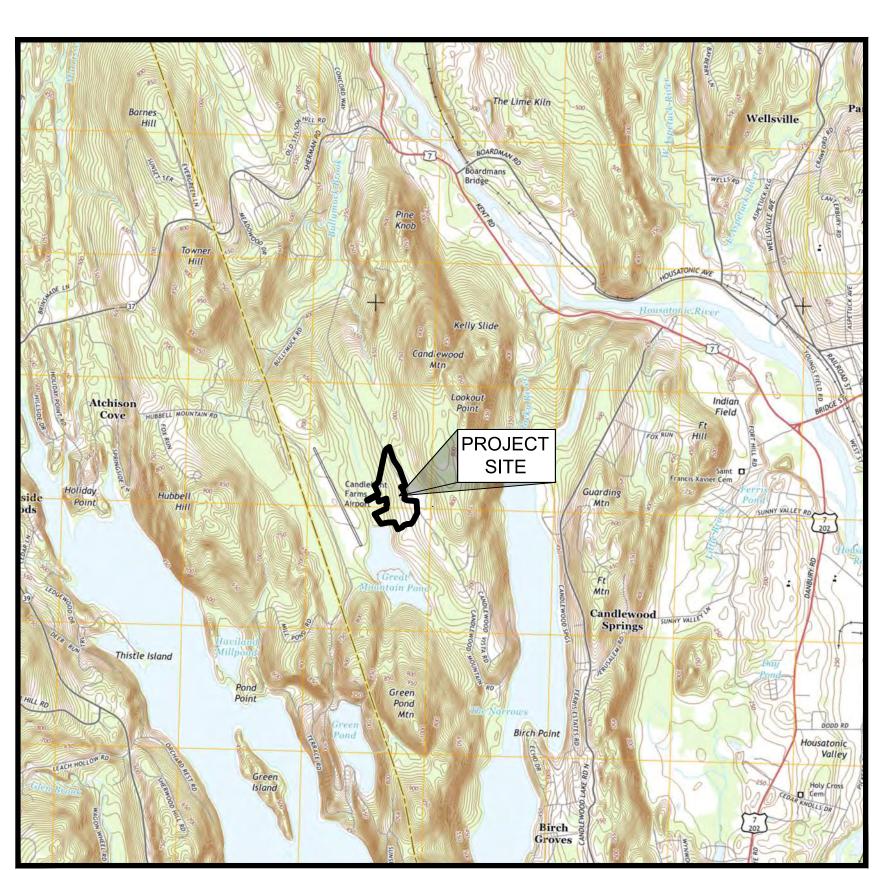
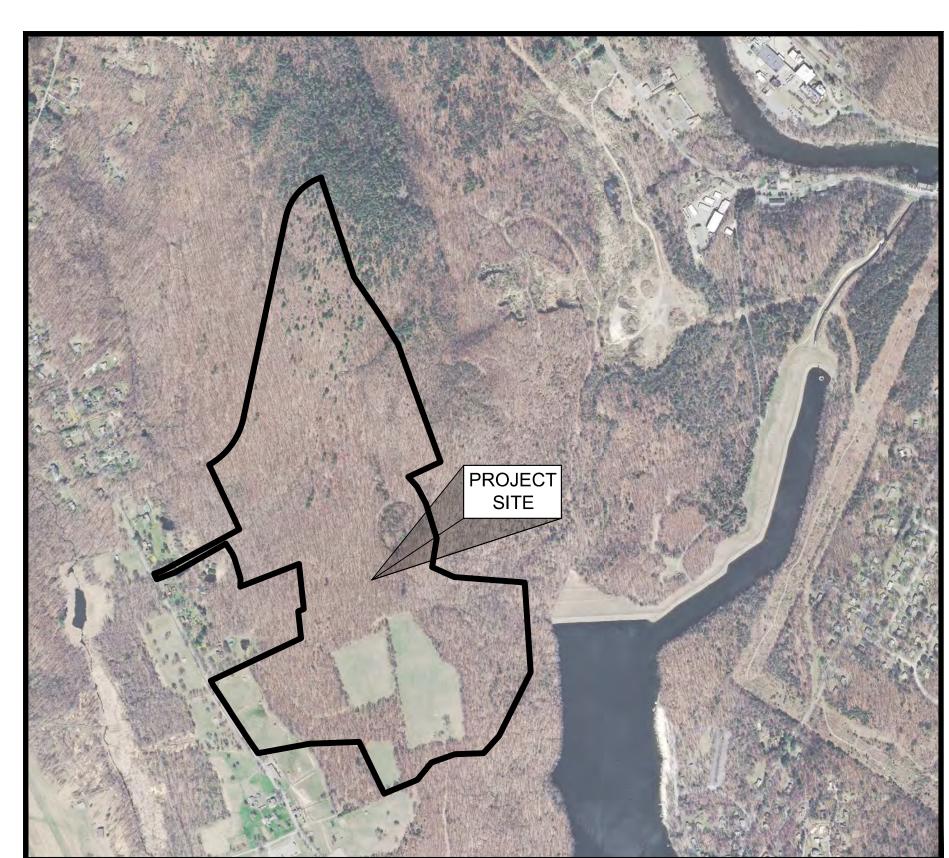
CANDLEWOOD SOLAR

20 MW (AC) SOLAR PV DEVELOPMENT CANDLEWOOD MOUNTAIN ROAD NEW MILFORD, CONNECTICUT FEBRUARY, 2020 ISSUED FOR CONSTRUCTION







AERIAL IMAGE
NOT TO SCALE

DEVELOPED BY

CANDLEWOOD SOLAR LLC

AMERESCO
Green • Clean • Sustainable

111 SPEEN STREET, SUITE 410
FRAMINGHAM, MASSACHUSETTS 01701

PREPARED BY

wood.

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. 271 MILL ROAD

CHELMSFORD, MASSACHUSETTS 01824

DRAWING INDEX

SHEET NUMBER	DRAWING TITLE	DRAWING NUMBER
1	COVER SHEET	G-001
2	CONSTRUCTION NOTES AND LEGEND	G-002
3	EXISTING CONDITIONS PLAN AND KEY MAP	C-101
4	OVERALL SITE LAYOUT PLAN	C-102
5	SITE LAYOUT PLAN - 1	C-103
6	SITE LAYOUT PLAN - 2	C-104
7	SITE LAYOUT PLAN - 3	C-105
8	SITE LAYOUT PLAN - 4	C-106
9	SITE LAYOUT PLAN - INTERCONNECTION ROUTE - 1	C-107
10	SITE LAYOUT PLAN - INTERCONNECTION ROUTE - 2	C-108
11	SITE LAYOUT PLAN - INTERCONNECTION ROUTE - 3	C-109
12	GRADING AND DRAINAGE PLAN - 1	C-110
13	GRADING AND DRAINAGE PLAN - 2	C-111
14	GRADING AND DRAINAGE PLAN - 3	C-112
15	GRADING AND DRAINAGE PLAN - 4	C-113
16	GRADING AND DRAINAGE PLAN - INTERCONNECTION ROUTE - 1	C-114
17	GRADING AND DRAINAGE PLAN - INTERCONNECTION ROUTE - 2	C-115
18	GRADING AND DRAINAGE PLAN - INTERCONNECTION ROUTE - 3	C-116
19	EROSION AND SEDIMENT CONTROLS - OVERVIEW AND PHASING PLAN	C-117
20	EROSION AND SEDIMENT CONTROLS - ARRAY AREA - 1	C-118
21	EROSION AND SEDIMENT CONTROLS - ARRAY AREA - 2	C-119
22	EROSION AND SEDIMENT CONTROLS - ARRAY AREA - 3	C-120
23	EROSION AND SEDIMENT CONTROLS - ARRAY AREA - 4	C-121
24	EROSION AND SEDIMENT CONTROLS - INTERCONNECTION ROUTE - 1	C-122
25	EROSION AND SEDIMENT CONTROLS - INTERCONNECTION ROUTE - 2	C-123
26	EROSION AND SEDIMENT CONTROLS - INTERCONNECTION ROUTE - 3	C-124
27	BMP SECTIONS 1A - 4A	C-301
28	BMP SECTIONS 4B - 7C	C-302
29	BMP SECTIONS 7C - IC1	C-303
30	EROSION AND SEDIMENT CONTROL NOTES	C-501
31	EROSION AND SEDIMENT CONTROL DETAILS	C-502
32	CIVIL DETAILS - 1	C-503
33	CIVIL DETAILS - 2	C-504
34	CIVIL DETAILS - 3	C-505
35	CIVIL DETAILS - 4	C-506
36	TRANSFORMER AND INVERTER PAD DETAILS	C-507
37	SOLAR ARRAY RACK ELEVATIONS	C-508
38	OVERALL PLANTING PLAN	L-1
39	PLANTING PLAN - 1	L-2
40	PLANTING PLAN - 2	L-3
41	PLANTING PLAN - 3	L-4
42	PLANTING DETAILS	L-5
43	PLANTING SPECIFICATIONS	L-6

wood.

ENVIRONMENT & INFRASTRUCT SOLUTIONS, INC. 271 MILL ROAD CHELMSFORD MASSACHUSETTS 01824 TELEPHONE: (978) 692-9090 FAX: (978) 692-6633

ICT ISSUED FOR CONSTRUCTION JT 09/06/19 ISSUED FOR CONSTRUCTION \$ 09/06/19 ISSUED FOR CLIENT REVIEW \$ 12/19/18 ISSUED FOR TOWN REVIEW \$ 11/30/18 ISSUED FOR TOWN REVIEW \$ 11/30/18 ISSUED FOR TOWN REVIEW \$ 11/30/18 PLAN REVISIONS \$ 04/12/18 ISSUED FOR PERMITTING/NOT FOR CONSTRUCTION \$ 04/12/18 ISSUED FOR PERMITTING/NOT FOR CONSTRUCTION						
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09/29/17 DATE		2	04/12/18	REVISED SUBMISSION	DAA	RJB
DATE		1	09/29/17	UPDATED STORMWATER DESIGN	DAA	RJB
		REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED	APPROVED

CANDLEWOOD SOLAR PROJECT
CANDLEWOOD MT. ROAD AND KENT ROAD
NEW MILFORD, CONNECTICUT
GENERAL
COVER SHEET

CANDLEWOOD SOLAR LLC

SEAL:

SEAL:

No. 26966

No. 26966

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DESIGNED BY: DRAWN BY:
MRC RR
CHECKED BY: SCALE:
DAA/GAA AS SHOWN
PROJECT NUMBER:
3652160082
DRAWING NUMBER:

G-001

GET NUMBER:

1 OF 43

OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. 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 RESPONSIE

GENERAL NOTES:

- 1. THE SITE SHALL BE DEVELOPED AND MAINTAINED AS DEPICTED ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE PERMITS AND APPROVALS. APPROVAL SHALL BE REQUIRED FOR ANY ALTERATION TO OR DEVIATION FROM THE APPROVED PLANS IN ADVANCE OF SUCH ALTERATION OR DEVIATION
- 2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CTDEEP GUIDELINES FOR EROSION AND SEDIMENT CONTROL
- 3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE
- 4. ALL DISTURBED AREAS ON THE SITE, NOT COVERED BY GRAVEL OR TO REMAIN AS OUTCROP SHALL BE STABILIZED WITH LOAM, SEED AND MULCH, OR OTHER METHODS AS SOON AS FEASIBLE AS REQUIRED BY THE SITE SPECIFIC EROSION AND SEDIMENT
- 5. ANY RUTS OR ARTIFICIAL DEPRESSION CREATED AS PART OF THE PROJECT WILL BE REFILLED TO GRADE TO AVOID CREATION OF DECOY VERNAL POOLS.
- 6. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE HELD AT THE PROJECT SITE WITH THE CONTRACTOR, ENGINEER, ENVIRONMENTAL MONITOR. QUALIFIED HERPETOLOGIST, OWNER, AND REGULATORY REPRESENTATIVES TO REVIEW THE CONSTRUCTION SCHEDULE, PERMITS AND APPROVALS OBTAINED FOR THE PROJECT, SENSITIVE RESOURCE AREAS AND CRITICAL ASPECTS OF THE SITE WORK AND COMPLETE LISTED SPECIES TRAINING. AT THAT TIME. THE GENERAL CONTRACTOR SHALL PROVIDE THREE COPIES EACH OF A DETAILED CONSTRUCTION SCHEDULE TO THE ATTENDEES.
- . THE CONTRACTOR SHALL COORDINATE MATERIAL STORAGE AND LAYDOWN AREAS WITH OWNER REPRESENTATIVE. PARKING FOR CONTRACTOR EMPLOYEES AND SUBCONTRACTOR EMPLOYEES SHALL BE IN THE MATERIAL STORAGE AND LAYDOWN AREA. CONTRACTOR PARKING WITHIN THE ROAD RIGHT OF WAY WILL NOT BE PERMITTED. NO HEAVY MACHINERY OR VEHICLES SHALL BE PARKED IN ANY TURTLE HABITAT. IF THE CONTRACTOR DETERMINES THAT AN ADDITIONAL MATERIAL STORAGE AND LAYDOWN AREA(S) IS REQUIRED. THIS AREA(S) WILL BE EVALUATED FOR ENVIRONMENTAL PERMÍTS AND APPROVALS AND INCLUSION IN PROJECTS STORMWATER POLLUTION CONTROL PLAN.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW DURING THE CONSTRUCTION.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING TRAFFIC CONTROL SIGNAGE AND INFORMATIONAL SIGNS DURING THE PROGRESS OF THE WORK. ANY ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE TRAFFIC CONTROL SIGNS SHALL BE POST MOUNTED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AS PUBLISHED BY THE DEPARTMENT OF
- 10. ALL CONSTRUCTION MATERIALS SHALL BE TRANSPORTED TO AND FROM THE SITE IN COVERED VEHICLES. ALL VEHICLES AND EQUIPMENT MUST BE TRANSPORTED TO AND FROM THE SITE CLEAN WITHOUT VISIBLE SOIL CLUMPS, PLANT OR ANIMAL MATERIAL. THE CONTRACTOR SHALL VACUUM THE CONSTRUCTION ENTRANCE WITH A STREET SWEEPER TO KEEP TRAFFIC AREAS CLEAN.
- 11. THE CONTRACTOR SHALL ADHERE TO THE CONSTRUCTION SEQUENCING PLAN AS OUTLINED ON THIS SHEET AND REVISE AS REQUIRED AND RESUBMIT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SECURITY AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SECURITY PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- 13. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE O.S.H.A. REGULATIONS AND SAFETY REQUIREMENTS.
- 14. THE CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL ON SITE CAPABLE OF PROVIDING HORIZONTAL AND VERTICAL CONTROL.
- 15. EXISTING PROPERTY AND RIGHT OF WAY PINS AND MONUMENTATION SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTOR'S EXPENSE BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN CONNECTICUT UNLESS OTHERWISE DIRECTED BY THE OWNERS REPRESENTATIVE
- 16. UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVES, EXCESS SURPLUS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL EXISTING LOCAL, STATE AND FEDERAL GOVERNMENT REGULATIONS AT CONTRACTORS EXPENSE.
- 17. ANY UTILITIES AND STRUCTURES REMOVED AS PART OF THE CONSTRUCTION SHALI BE DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL GOVERNMENT REGULATIONS AT THE CONTRACTORS EXPENSE.
- 18. ALL CONSTRUCTION SIGNS SHALL BE DESIGNED TO WITHSTAND 50 MPH VELOCITY WINDS AND BE PREPARED BY A PROFESSIONAL SIGN COMPANY WITH A MINIMUM OF THREE (3) YEARS EXPERIENCE.
- 19. WORKING HOURS SHALL COMPLY WITH THE REQUIREMENTS OF THE TOWN OF NEW MILFORD, CONNECTICUT AND OUTLINED IN THE CONNECTICUT SITING COUNCIL
- 20. WHERE CONTRACTOR REMOVES EXISTING SITE FEATURES THAT ARE TO REMAIN, TO FACILITATE INSTALLATION OF NEW WORK FOR THIS PROJECT, CONTRACTOR SHALL REPLACE THE EXISTING SITE FEATURES AT CONTRACTOR'S EXPENSE.
- 21. CONTRACTOR SHALL BE REQUIRED TO CLEAN ALL PROPOSED STORM DRAIN FEATURES PRIOR TO ACCEPTANCE BY THE OWNER.
- 22. CONTRACTOR SHALL PROVIDE CONNECTICUT DEPARTMENT OF TRANSPORTATION CERTIFIED AND EQUIPPED FLAGGERS TO REGULATE TRAFFIC WHEN OPERATIONS ENCROACH ON PUBLIC TRAFFIC LANES.
- 23. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL UTILITY CONNECTION/EXTENSION PERMITS, STREET OPENING PERMITS AND DOT RIGHT OF WAY PERMITS REQUIRED BY THE LOCAL, STATE AND FEDERAL AUTHORITIES WITH

UTILITY NOTES:

- EXISTING UTILITIES SHOWN ON THE PROJECT DRAWINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. UTILITY LOCATIONS ARE BASED ON PHYSICAL LOCATIONS, MAPS FROM RESPECTIVE UTILITY COMPANIES AND PLANS. NO GUARANTEE IS MADE THAT UTILITIES WILL BE ENCOUNTERED WHERE SHOWN OR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL DISTURBED UTILITIES DURING CONSTRUCTION AT NO EXPENSE TO THE OWNER.
- 2. THE CONTRACTOR SHALL ARRANGE FOR TEMPORARY UTILITY CONNECTIONS THAT MAY BE REQUIRED DURING CONSTRUCTION.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR CALLING 811 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS ALSO RESPONSIBLE FOR CONTACTING OTHER NON DIG-SAFE, MEMBER UTILITIES FOR UTILITY LOCATES 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. COST FOR LOCATING UTILITIES WITHIN THE RIGHT OF WAYS OR IN PRIVATE PROPERTIES IS THE CONTRACTOR'S RESPONSIBILITY.

SURVEY NOTES:

- THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-I THROUGH 20-300B-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT' AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
- . HORIZONTAL DATUM IS BASED ON NAD83 CT STATE PLANE GRID COORDINATE
- VERTICAL DATUM IS BASED ON NAVD88.
- 4. ALTA BOUNDARY SURVEYS COMPLETED BY ROBERT GREEN ASSOCIATES, LLC OF TERRYVILLE, CT ON FEBRUARY 8, 2019 (ARRAY) AND FEBRUARY 1, 2019 (INTERCONNECTION)
- 5. ARRAY AREA WETLANDS WERE DELINEATED BY PIETRAS ENVIRONMENTAL GROUP, LLC OF WALLINGFORD, CT ON DECEMBER 9 THROUGH 11, 2016 AND MAY 4, 2017.
- 6. INTERCONNECTION WETLANDS WERE DELINEATED BY JAMES M. MCMANUS, JMM WETLAND CONSULTING SERVICES, LLC OF NEWTOWN, CT ON JUNE 28, 2019 AND
- TOPOGRAPHIC MAPPING BY PHOTOGRAMMETRIC MAPPING USING PHOTOGRAPHY DATED APRIL 15, 2016 BY GOLDEN AERIAL SURVEYS, INC, OF WATERBURY, CT AND FIELD VERIFIED BY ROBERT GREEN ASSOCIATES, LLC ON JANUARY 18 THROUGH 29, 2019.
- 8. HORIZONTAL ACCURACY CLASS A2.
- 9. VERTICAL ACCURACY CLASS T3.

CONSTRUCTION NOTES:

- THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT PUBLIC ROAD DRAINAGE SYSTEMS, NEIGHBORING PROPERTIES. WETLANDS AND REGULATORY PROTECTED AREAS WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND OR DIRECT DEPOSIT. NO SEDIMENTATION OR OTHER MATERIALS SHALL BE DEPOSITED IN ANY WETLAND AT ANY TIME. ACCESS WILL BE LIMITED TO DEFINED ACCESS ROADS AND WORK AREAS THAT ARE DESIGNATED ON THE APPROVED CONSTRUCTION PLAN DRAWINGS.
- 2. A QUALIFIED INSPECTOR SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS AND PREPARING REPORTS IN ACCORDANCE WITH SECTION 5(B)4(B) OF THE CONSTRUCTION GENERAL PERMIT (CGP). IT IS ALSO ANTICIPATED THAT REPRESENTATIVES FROM CTDEEP AND/OR THE STATE CONSERVATION DISTRICT WILL PERFORM PERIODIC INSPECTIONS.
- 3. A QUALIFIED HERPETOLOGIST SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS AND ENSURING PROTECTION GUIDELINES AND EXCLUSIONARY PRACTICES ARE IMPLEMENTED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR AND QUALIFIED HERPETOLOGIST MUST SEARCH THE WORK AREA EACH MORNING PRIOR TO ANY
- 4. ENGINEER OF RECORD SHALL PERFORM THREE (3) MONTHLY PLAN IMPLEMENTATION INSPECTIONS WITHIN THE FIRST 90 DAYS OF CONSTRUCTION ACTIVITY AS REQUIRED
- THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE WARRANTED AT THE DISCRETION OF THE QUALIFIED INSPECTOR AND/OR DESIGN ENGINEER. THESE IMPROVEMENT MUST BE IMPLEMENTED IN A TIMELY FASHION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CGP. ADDITIONALLY, AREAS OF PROPOSED COMPACTED NATIVE SOIL ROADS SHALL BE CONVERTED TO STABLE GRAVEL ROADS IF/AS DETERMINED BY THE QUALIFIED INSPECTOR OR ENGINEER OF RECORD.
- PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF NEW MILFORD WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
- 7. THE CONTRACTOR SHALL FLAG THE LIMITS OF CLEARING NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
- . THE CONTRACTOR SHALL HOLD PRE—CONSTRUCTION MEETING(S). ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, REPRESENTATIVES OF THE GENERAL CONTRACTOR, SITE CONTRACTOR, CTDEEP, TOWN OF NEW MILFORD, ENGINEER OF RECORD, ENVIRONMENTAL MONITOR, QUALIFIED HERPETOLOGIST AND QUALIFIED
- 9. THE CONTRACTOR SHALL NOTIFY THE TOWN OF NEW MILFORD AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
- 10. NO CONSTRUCTION OF SITE IMPROVEMENTS MAY BEGIN UNTIL THE PROPER EROSION AND SEDIMENT CONTROL MEASURES AND EXCLUSIONARY PRACTICES SERVING THE AREA TO BE DISTURBED ARE IN PLACE AND THE CONTRACTOR AND QUALIFIED HERPETOLOGIST HAVE SEARCHED THE WORK AREA.
- 11. TREE CLEARING SHALL BE CONDUCTED IN ACCORDANCE WITH THE TREE REMOVAL AND/OR LOGGING PLAN.
- A. STUMPS SHALL BE REMOVED FROM THE AREA OF HTE SOLAR PV FACILITY, STORMWATER FEATURES AND IN THE AREA BETWEEN THE FENCE LINE AND THE LIMITS OF WORK AND TREE CLEARING. ALONG THE ELECTRIC INTERCONNECTION ROUTE, ALL STUMPS NOT IN CONFLICT WITH ACCESS OR A STRUCTURE SHALL BE
- 12. MATERIAL SPECIFICATIONS AND PLACEMENT REQUIREMENTS:
- 11.1 CRUSHED STONE (CTDOT NO. 3)

DENSE GRADED CRUSHED STONE SHALL BE USED FOR ACCESS ROAD CONSTRUCTION AS SHOWN ON THE DRAWINGS, AND SHALL MEET THE REQUIREMENTS OF CTDOT MATERIAL M.02.01-1, CRUSHED STONE, OR APPROVED EQUAL. THIS MATERIAL SHALL BE PLACED AT A MINIMUM THICKNESS OF 6-INCHES. THIS MATERIAL SHALL CONSIST OF CLEAN HARD, DURABLE CRUSHED ROCK OR CRUSHED GRAVEL STONE. FREE FROM LOAM AND CLAY AND DELETERIOUS MATERIAL INCLUDING INVASIVE SPECIES. THIS MATERIAL SHALL MEET THE FOLLOWING GRADATION FOR CTDOT M.02.06 GRADING "A":

SIEVE DESIGNATION 3.5-INCH 1.5-INCH 1/4-INCH NO. 10 NO. 40 NO. 100 NO. 200	PERCENT PASSING 100 55-100 25-60 15-45 5-25 0-10 0-5
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PRIOR TO USE. THE DENSE GRADED CRUSHED STONE SHALL BE TESTED FOR APPROVAL AS DESCRIBED BELOW IN SECTION 11.4 AND SHALL INSPECTED AND BE PLACED AS DESCRIBED BELOW IN SECTION 11.5.

11.2 GRANULAR BASE MATERIAL

CLEAN GRANULAR BASE MAY BE USED FOR FILL OR GRADING MATERIAL. GRANULAR FILL SHALL CONSIST OF CTDOT MATERIAL M.02.03, GRANULAR BASE, OR APPROVED EQUAL. THIS MATERIAL SHALL MEET THE FOLLOWING GRADATION FOR CTDOT M.02.06 GRADING "C":

SIEVE DESIGNATION 1.5-INCH	PERCENT PASSING 100
3/4-INCH	45-85
1/4-INCH	25-60
NO. 10	15-45
NO. 40	5-25
NO. 100	0-10

PRIOR TO USE, THE GRANULAR BASE SHALL BE TESTED FOR APPROVAL AS DESCRIBED IN SECTION 11.4 AND SHALL BE INSPECTED AND PLACED AS DESCRIBED IN SECTION 11.5.

11.3 TOPSOIL

CONTRACTOR SHALL COMPLY WITH TOPSOIL MATERIAL REQUIREMENTS LISTED ON DRAWING L-6.

11.4 BORROW SOURCE TESTING REQUIREMENTS

PRIOR TO USE, BORROW SOURCE TESTING, INCLUDING GEOTECHNICAL CHARACTERIZATION REQUIREMENTS, SHALL BE CONDUCTED ON ALL SOIL MATERIALS PROPOSED FOR CONSTRUCTION AND SUBMITTED TO THE ENGINEER TO ASSESS CONFORMANCE TO MATERIAL SPECIFICATIONS. TOPSOIL SHALL ALSO BE TESTED FOR NUTRIENTS.

- 11.5 MATERIAL PLACEMENT AND FIELD QUALITY CONTROL REQUIREMENTS
- 11.5.1 INSPECTION OF ALL MATERIAL SOURCE YARDS (INCLUDING TOPSOIL, SAND, GRAVEL, ROCK AND CRUSHED STONE) FOR USE AS FILL AND/OR CONSTRUCTION MATERIAL SHALL BE PERFORMED BY AN ENVIRONMENTAL MONITOR TO CONFIRM THE ABSENCE OF INVASIVE SPECIES. IF ANY INVASIVE SPECIES OR ANY INVASIVE INSECTS ARE FOUND. THE MATERIAL WILL NOT BE ACCEPTED. INSPECTION RECORDS SHALL BE DOCUMENTED IN THE INVASIVE SPECIES CONTROL PLAN FOR THE PROJECT, WHICH WILL BE KEPT ON-SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES AND RETAINED FOR 5 YEARS FOLLOWING SUBMITTAL AND ACCEPTANCE OF THE CGP NOTICE OF TERMINATION.
- 11.5.2 DO NOT PLACE FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.
- SURFACES ON WHICH THE GEOTEXTILE WILL BE PLACED SHALL BE PREPARED TO A RELATIVELY SMOOTH SURFACE CONDITION. SURFACES SHALL BE FREE FROM OBSTRUCTION, DEBRIS, DEPRESSIONS, EROSION FEATURES, OR VEGETATION. ANY IRREGULARITIES SHALL BE REMOVED SO AS TO ENSURE CONTINUOUS. INTIMATE CONTACT OF THE GEOTEXTILE WITH THE SURFACE. ANY LOOSE MATERIAL, SOFT OR LOW DENSITY POCKETS OF MATERIAL, SHALL BE REMOVED, FILLED WITH SUITABLE SUBGRADE FILL, AND COMPACTED. EROSION FEATURES SUCH AS RILLS AND GULLIES MUST BE GRADED OUT OF THE SURFACE BEFORE GEOTEXTILE PLACEMENT.
- 11.5.4 AT THE TIME OF INSTALLATION, FABRIC SHALL BE REJECTED IF IT HAS DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION OR STORAGE.
- 11.5.5 CRUSHED STONE SHALL BE PLACED IN MAXIMUM 6-INCH LOOSE LIFTS AND COMPACTED WITH 3 PASSES, IN BOTH DIRECTIONS BY A SMOOTH DRUM ROLLER COMPACTOR (ACCESS ROAD AREAS) OR BY A PLATE COMPACTOR (BALLAST BLOCK AND SUPPORT BLOCK GRAVEL BASE AREAS) TO A FIRM AND NON-YIELDING CONDITION.

PRE-CONSTRUCTION SITE PROTECTION SEQUENCE:

- INSTALL STABILIZED CONSTRUCTION EXIT AT THE SITE ACCESS OF CANDLEWOOD MOUNTAIN ROAD.
- 2. RE-FLAG WETLAND AND WATERWAY BOUNDARIES, AS NECESSARY. NO WORK SHALL
- 3. SURVEY AND MARK ALL CLEARING LIMITS.

BE PERFORMED IN WETLANDS OR WATERWAYS.

- 4. FIELD SURVEY AND MARK BOUNDARY BETWEEN CLEARING LIMITS AND GRUBBING LIMITS. FIELD SURVEY ALL CONSTRUCTION PHASE LIMITS AS SHOWN ON THE PHASING PLAN ON C-117
- 5. NORTHERN LONG EARED BAT PROTECTION A. TO BE PROTECTIVE OF THE NORTHERN LONG EARED BAT, THE TREE CLEARING WINDOW WILL BE DETERMINED IN CONSULTATION WITH CTDEEP NATURAL DATA
- B. TREE CLEARING SHALL BE LIMITED TO THE OVERALL FOOTPRINT OF THE
- C. LARGE DIAMETER CONIFEROUS AND DECIDUOUS TREES AND WOODED BUFFERS ADJACENT TO WETLAND AREAS WILL BE MAINTAINED WHENEVER POSSIBLE.
- D. FOLLOWING CONSTRUCTION BAT HOUSES SHALL BE INSTALLED IN THE AREA WHERE TREES WILL BE REMOVED TO HELP WITH THE CONSERVATION OF TREE ROOSTING BATS. APPROXIMATELY 20-30 BAT HOUSES SHALL BE MOUNTED ON EAST FACING, MATURE TREE TRUNKS, NOT LESS THAN 12 FEET FROM THE GROUND IN AREAS WHERE TREES ARE REMOVED BEFORE APRIL TO IMPROVE THE CHANCE OF OCCUPANCY.
- 6. SLIMY SALAMANDER PROTECTION A. FOLLOWING CONSTRUCTION, GRASS STRIPS SHALL BE INSTALLED WITHIN THE GRAVEL ROADS AS DEPICTED ON THESE PLANS.
- 7. WOOD AND BOX TURTLE PROTECTION
- A. HIRING A QUALIFIED HERPETOLOGIST TO BE ON SITE TO ENSURE THESE PROTECTION GUIDELINES REMAIN IN EFFECT AND PREVENT TURTLES FROM BEING RUN OVER WHEN MOVING HEAVY EQUIPMENT. THIS IS ESPECIALLY IMPORTANT IN THE MONTH OF JUNE WHEN TURTLES ARE SELECTING NESTING SITES.
- B. EXCLUSIONARY PRACTICES SHALL BE REQUIRED TO PREVENT ANY TURTLE ACCESS INTO CONSTRUCTION AREAS. THESE MEASURES SHALL BE INSTALLED AT THE LIMITS OF DISTURBANCE. EXCLUSIONARY FENCING SHALL BE INSTALLED ALONG THE LIMIT OF WORK LINE SHOWN ON THE PLANS. DO NOT USE PLASTIC WEB OR NETTED SILT-FENCE.
- C. EXCLUSIONARY FENCING MUST BE AT LEAST 20 INCHES TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND AND BE REGULARLY INSPECTED AND MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) THROUGH THE CONSTRUCTION PERIOD TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMAL PASS THROUGH. DO NOT USE PLASTIC WEB OR NETTED SILT-FENCE. GAPS BETWEEN EXCLUSIONARY FENCING "SILT FENCE" SHALL BE SUPPLEMENTED WITH TWO STACKED AND STAKED 12 INCH STRAW WATTLES, OR SIMILAR, TO CREATE A FULLY ENCLOSED LIMIT OF WORK AREA. GAPS BETWEEN EXCLUSIONARY FENCING SHALL BE INSPECTED DAILY PRIOR TO CONSTRUCTION ACTIVITIES BY THE QUALIFIED HERPETOLOGIST
- D. ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THEY WILL BE UTILIZED, SHALL BE REVIEWED TO REMOVE INDIVIDUALS AND EXCLUDE THEM FROM RE-ENTRY.
- E. ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE TURTLE HABITAT SHALL BE APPRISED OF THE SPECIES DESCRIPTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES, AND INSTRUCTED TO RELOCATE TURTLES FOUND INSIDE WORK AREAS OR NOTIFY THE APPROPRIATE AUTHORITIES TO RELOCATE INDIVIDUALS.
- F. ANY TURTLES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUDED AREA AND FENCING SHALL BE INSPECTED TO IDENTIFY AND REMOVE ACCESS POINT.
- G. EXCLUSIONARY FENCING SHALL BE REMOVED AS SOON AS THE AREA IS STABLE TO ALLOW FOR REPTILE AND AMPHIBIAN PASSAGE TO RESUME.
- H. NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY TURTLE HABITAT.
- I. AVOID DEGRADATION OF WETLAND HABITATS INCLUDING ANY WET MEADOWS AND SEASONAL POOLS.
- J. THE CONTRACTOR AND QUALIFIED HERPETOLOGIST SHALL SEARCH THE WORK AREA EACH MORNING PRIOR TO ANY WORK BEING DONE
- K. WHEN FELLING TREES ADJACENT TO BROOKS AND STREAMS, TREES SHALL BE CUT TO FALL AWAY FROM THE WATERWAY AND DO NOT DRAG TREES ACROSS THE WATERWAY OR REMOVE STUMPS FROM BANKS.
- L. AVOID AND LIMIT ANY EQUIPMENT USE WITHIN 50 FEET OF STREAMS AND
- M. ANY CONFIRMED SIGHTINGS OF BOX, WOOD OR SPOTTED TURTLES SHOULD BE REPORTED AND DOCUMENTED WITH THE NDDB (NDDBREQUESTDEP@CT.GOV) ON THE APPROPRIATE SPECIAL ANIMAL FORM.
- 8. SENSITIVE RESOURCE AREAS A. SENSITIVE RESOURCE AREAS SHOWN ON THE PLANS SHALL BE STAKED AND
- FLAGGED TO PREVENT INADVERTENT CONSTRUCTION—RELATED IMPACTS. B. NO WORK SHALL BE PERFORMED WITHIN THE DEMARKED SENSITIVE RESOURCE AREA OTHER THAT WHAT IS SHOWN ON THESE PLANS.
- 9. THE USE OF A TUB GRINDER IS RECOMMENDED FOR THE MULCHING OF FELLED
- 10. AS TREES ARE CLEARED AND GRUBBED, GRIND TOPS AND ROOT BALLS IN TUB GRINDER TO CREATE MATERIAL FOR WOOD CHIP MULCH BERM.
- 11. SKIDDERS AND OTHER EQUIPMENT SHOULD TRAVEL AROUND CLEARED AREAS AND ONLY USE THE CONSTRUCTED PERMANENT AND TEMPORARY ACCESS ROADS. AVOID TRAVEL ACROSS CLEARED AREAS PROPOSED FOR THE SOLAR ARRAY TO REDUCE THE COMPACTION OF NATIVE SOIL MATERIALS.
- 12. AS MATERIAL IS PRODUCED, INSTALL MULCH BERM AT THE LIMIT OF DISTURBANCE GENERALLY IN AREA OF CLEARED FOREST. MULCH BERM HAS NOMINAL DIMENSIONS OF 1.5 TO 2 FEET HIGH BY 4 FOOT WIDE.
- 13. IMMEDIATELY INSIDE THE PERIMETER MULCH BERM, INSTALL ENTRENCHED SILT FENCE FOLLOWING STANDARDS OF THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. MULCH BERM AND PERIMETER SILT FENCE SHALL BE MAINTAINED IN PERPETUITY UNTIL COMPLETION OF CONSTRUCTION. NO WORK SHALL BE ALLOWED OUTSIDE OF THESE LIMITS.
- 14. ALL STONE MATERIAL GENERATED FROM REMOVAL OF EXISTING STONE WALLS SHALL BE STOCKPILED FOR REUSE ON-SITE AS STABILIZATION MEASURES IN THE PROPOSED STORMWATER FEATURES. IF STONE CRUSHING IS REQUIRED, THE CONTRACTOR SHALL FOLLOW THE TOWN OF NEW MILFORD NOISE ORDINANCE AND STANDARD EROSION AND SEDIMENTATION CONTROLS FOR DUST SUPPRESSION.
- 15. THE CONTRACTOR SHALL ADDRESS EROSION PROBLEMS USING TEMPORARY DIVERSIONS AND BY FILLING AND GRADING RILLS AND GULLIES. TRACK RILLS AND GULLIES UP AND DOWN SLOPE AND HYDROSEED WITH A THERMALLY TREATED WOOD BONDED FIBER MATRIX (BFM) MULCH WITH POLYMER/TACKIFIER. A STAPLED BIODEGRADABLE EROSION CONTROL BLANKET WITHOUT MONOFILAMENT MESH IS AN ACCEPTABLE ALTERNATIVE FOR HYDROSEED AND BFM.
- 16. INSTALL TEMPORARY SEDIMENT TRAPS IN ACCORDANCE WITH THE APPROVED SITE SPECIFIC SWPCP AND CTDEEP GUIDELINES. THE ENGINEER OF RECORD SHALL INSPECT FEATURES TO CONFIRM REQUIRED STORAGE CAPACITIES ARE PROVIDED AND THAT OUTLETS AND/OR SPILLWAYS ARE CONSTRUCTED CORRECTLY. DISCHARGE AREAS BELOW OUTFALLS MUST BE INSPECTED TO CONFIRM FLOW WILL BE OVER STABLE GROUND AND SHEET FLOW IS ENCOURAGED. IF DISTURBED SOILS ARE PRESENT, THE ENGINEER OF RECORD TO PROVIDE CORRECTIVE MEASURES TO ADDRESS CONDITIONS.
- 17. SEED AND STABILIZE DISTURBED SOILS AROUND SEDIMENT TRAPS WITHIN 10 DAYS OF COMPLETION. SECURE SEED WITH A THERMALLY TREATED BFM APPLIED FOLLOWING MANUFACTURER'S SPECIFICATIONS FOR USE AT SPECIFIED APPLICATIONS RATES. AN ANIONIC POLYACRYLAMIDE PRODUCT MAY BE INCLUDED WITH THE TACKIFIER TO PROMOTE SOIL STABILITY. ALL OTHER AMENDMENTS SHOULD BE PRESCRIBED BASED ON THE RESULT OF SOIL TEST.

18. INSTALL OTHER EROSION AND SEDIMENT CONTROLS FOLLOWING THE CTDEEP

ACROSS NON-DESIGNATED AREA TO THE EXTENTS POSSIBLE.

GUIDELINES AND MANUFACTURER'S DIRECTIONS. DURING CONSTRUCTION, THE

WETLANDS OR DISCHARGING OFF-SITE. 19. ESTABLISH DESIGNATED VEHICULAR TRAFFIC ACCESS ROADS (GRAVEL, OR COMPACTED NATIVE SOIL, AS SHOWN ON THE CONSTRUCTION PLANS) THAT SHALL BE USED AS PRIMARY ACCESSES. EFFORTS MUST BE MADE TO MINIMIZE VEHICULAR TRAFFICKING

OR QUALIFIED INSPECTOR TO PREVENT SEDIMENT LADEN RUNOFF FROM REACHING

CONTRACTOR SHALL INSTALL MEASURES AS REQUIRED BY THE ENGINEER OF RECORD

LEGEND: **EXISTING** <u>PROPOSED</u> GROUND CONTOUR X 728.01 + 74.03 SPOT ELEVATION TREELINE TREE CLEARING LINE ___ · · __ · · __ · · __ EDGE OF GRAVEL CHAINLINK FENCE WIRE FENCE ____X____X ——SD——SD——SD— STORM DRAIN _____ SD ____ UNDERDRAIN ————UD———— O C.O. CLEANOUT ——— OHE ——— OVERHEAD UTILITIES —— OHE —— OHE —— UNDERGROUND ELECTRIC _____UGC ____ GROUND MOUNTED —— EC —— EC —— ELECTRIC CONDUIT UP #3-299, UTILITY POLE LIMIT OF WORK ____ LOW _____ LOW ____ PROPERTY LINE TAXMAP PARCEL 50 FOOT PROPERTY OFFSET LEDGE/ROCK OUTCROP ——— T∃W ———— T∃W DELINEATED WETLAND LINE/AREA DELINEATED WETLAND POINT WATER/VERNAL POOL ___ _ . _ _ . _ _ . _ _ . _ _ _ _ _ _ _ _ _ _ VERNAL POOL 100' BUFFER INTERMITTENT STREAM SOLAR ARRAY RACKS TRANSFORMER AND INVERTER 96

SEDIMENT BARRIER

GRASS STRIPS TO REPLACE

GRAVEL FOLLOWING

CONSTRUCTION

HORIZONTAL DIRECTIONAL

BORING PIT (BY OTHERS)

STONE WALL

GRASS ACCESS WAYS

ENERGY DISSIPATOR

PUBLIC RIGHT OF WAY

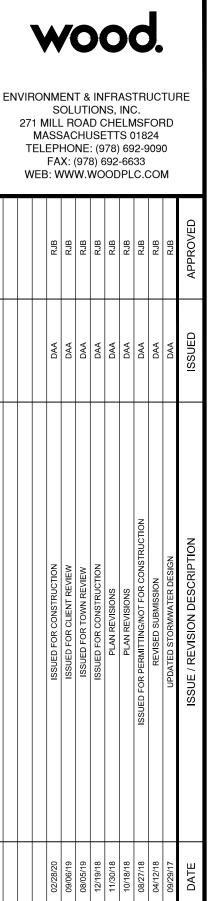
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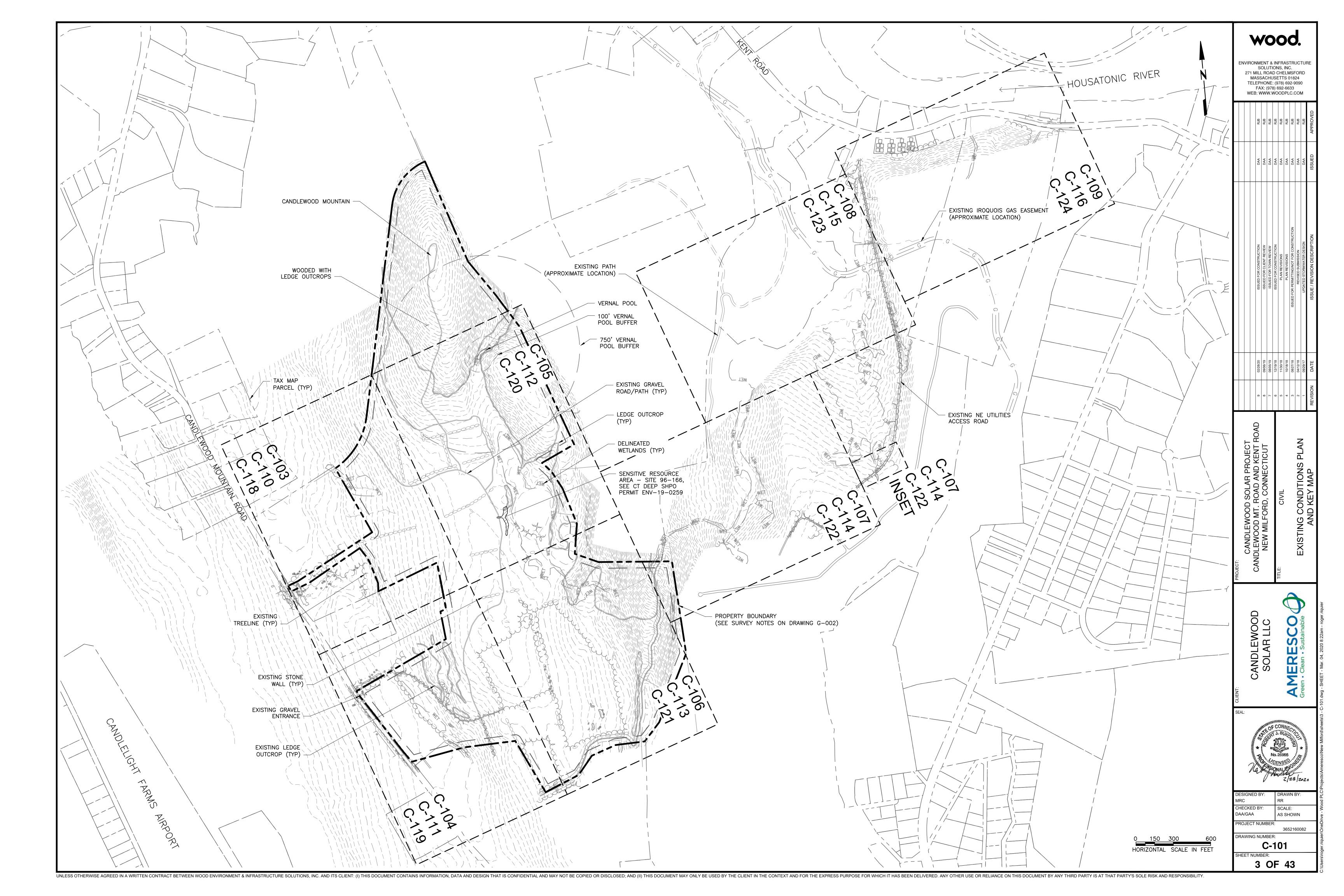


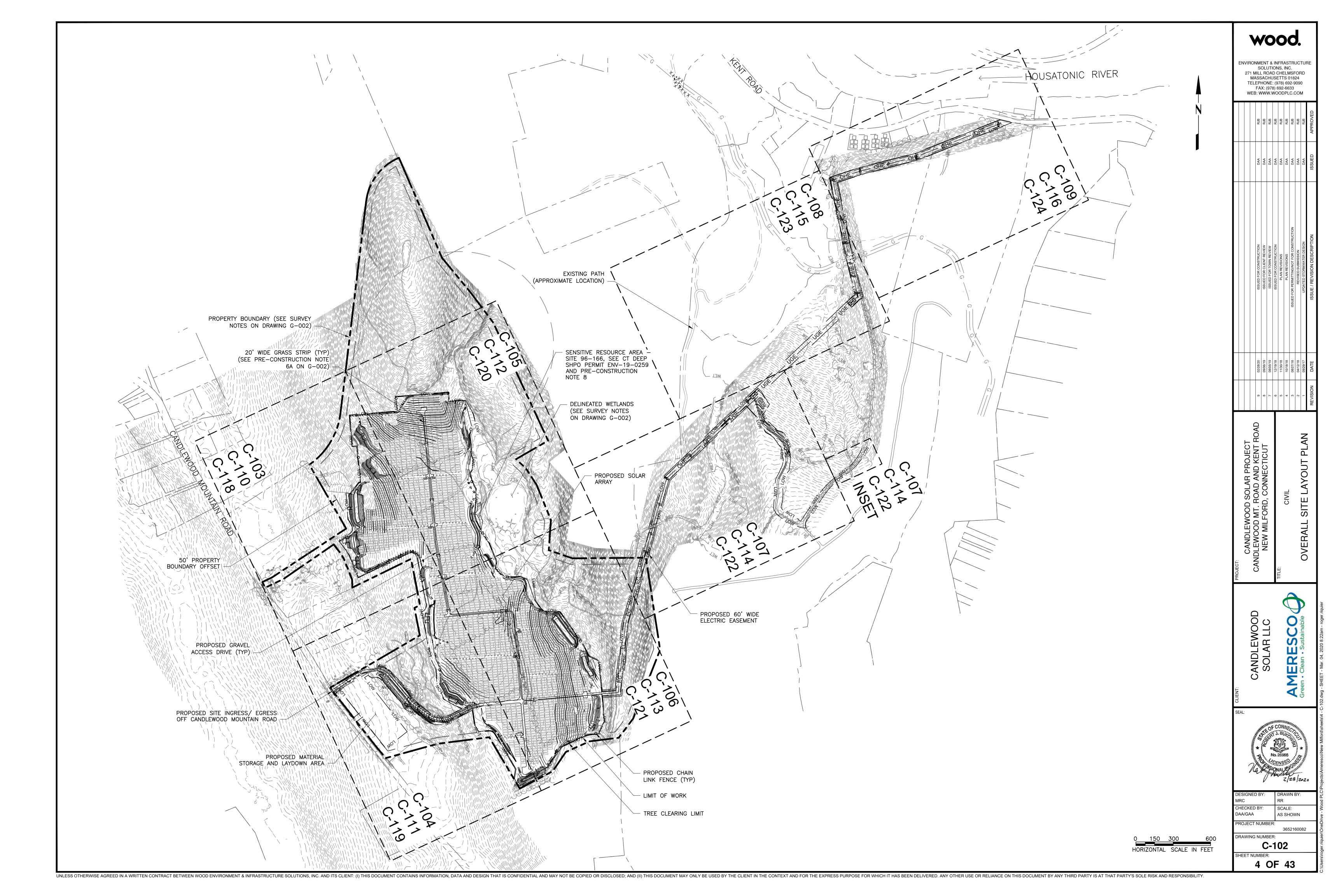
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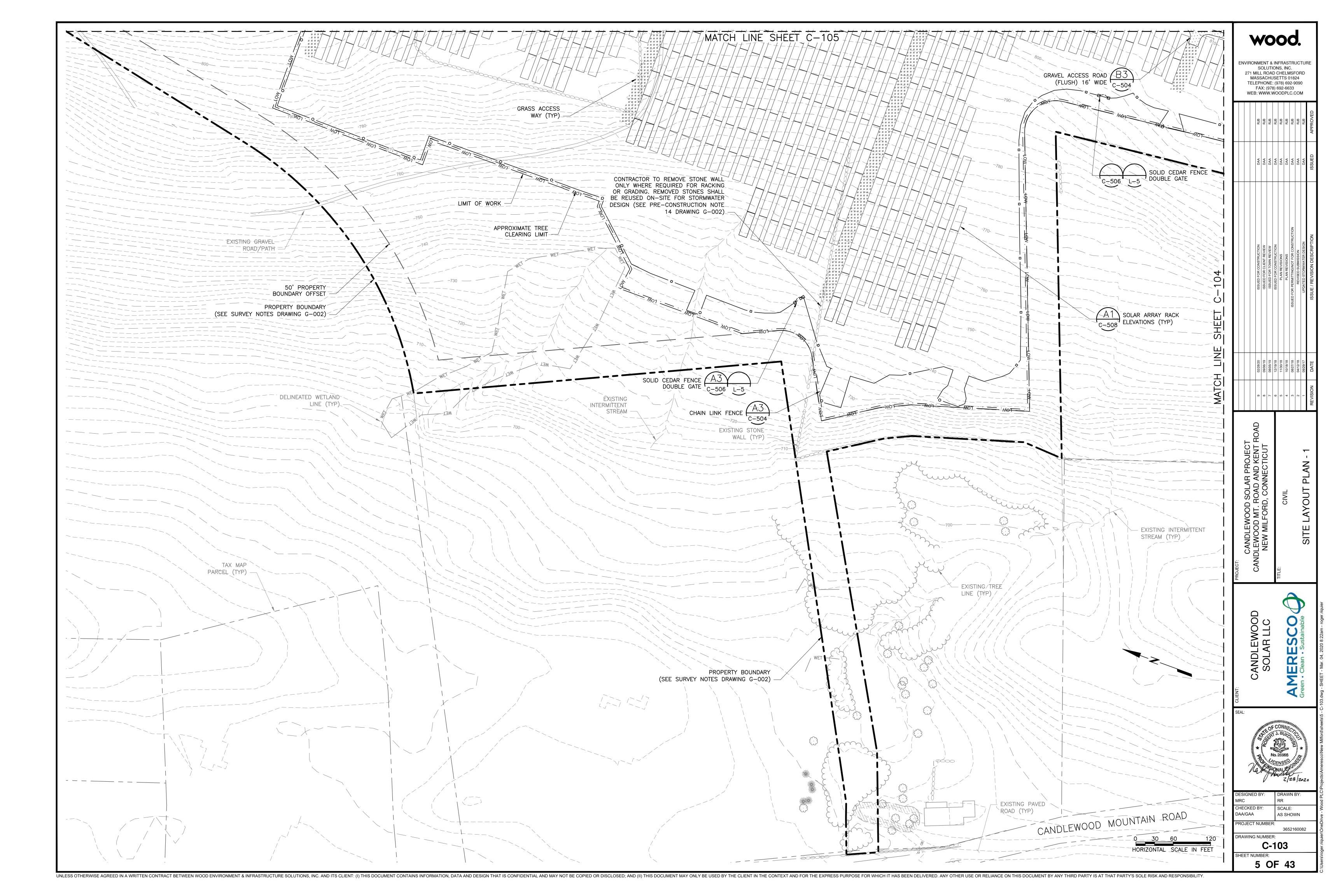
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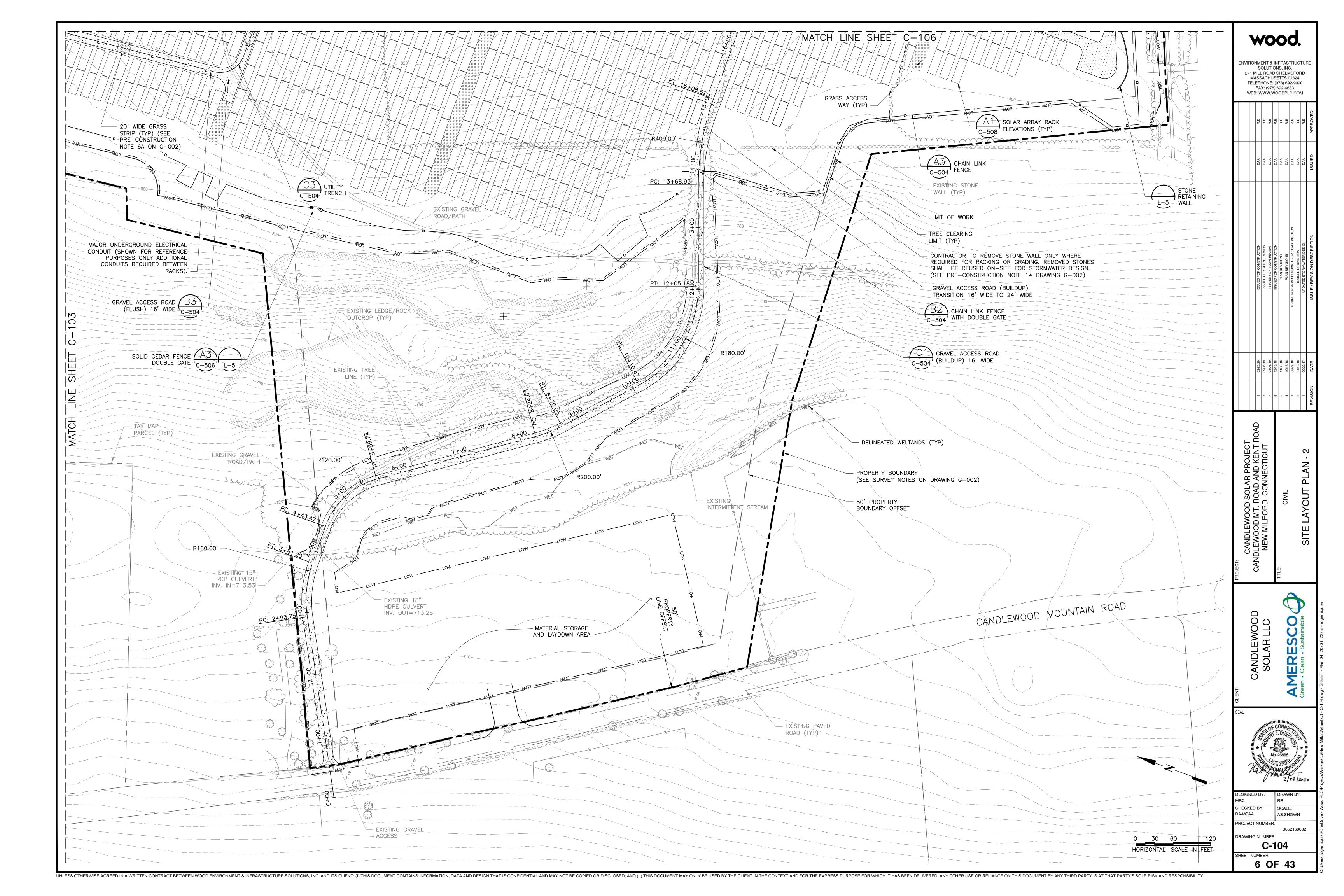
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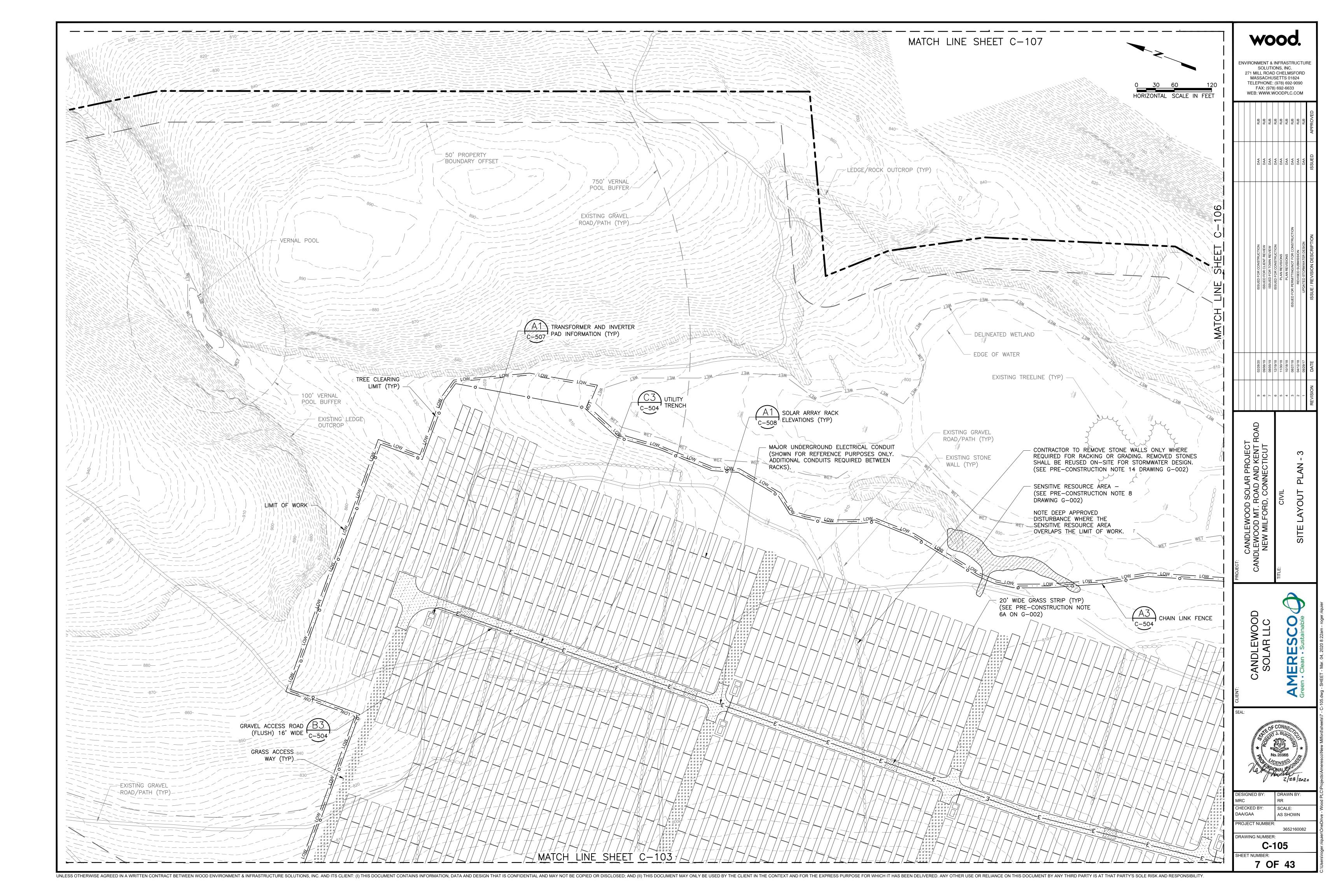
UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. AND ITS CLIENT: (I) THIS DOCUMENT BY ANY OTHER USE OR RELIANCE ON THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK AND RESPONSIBILITY

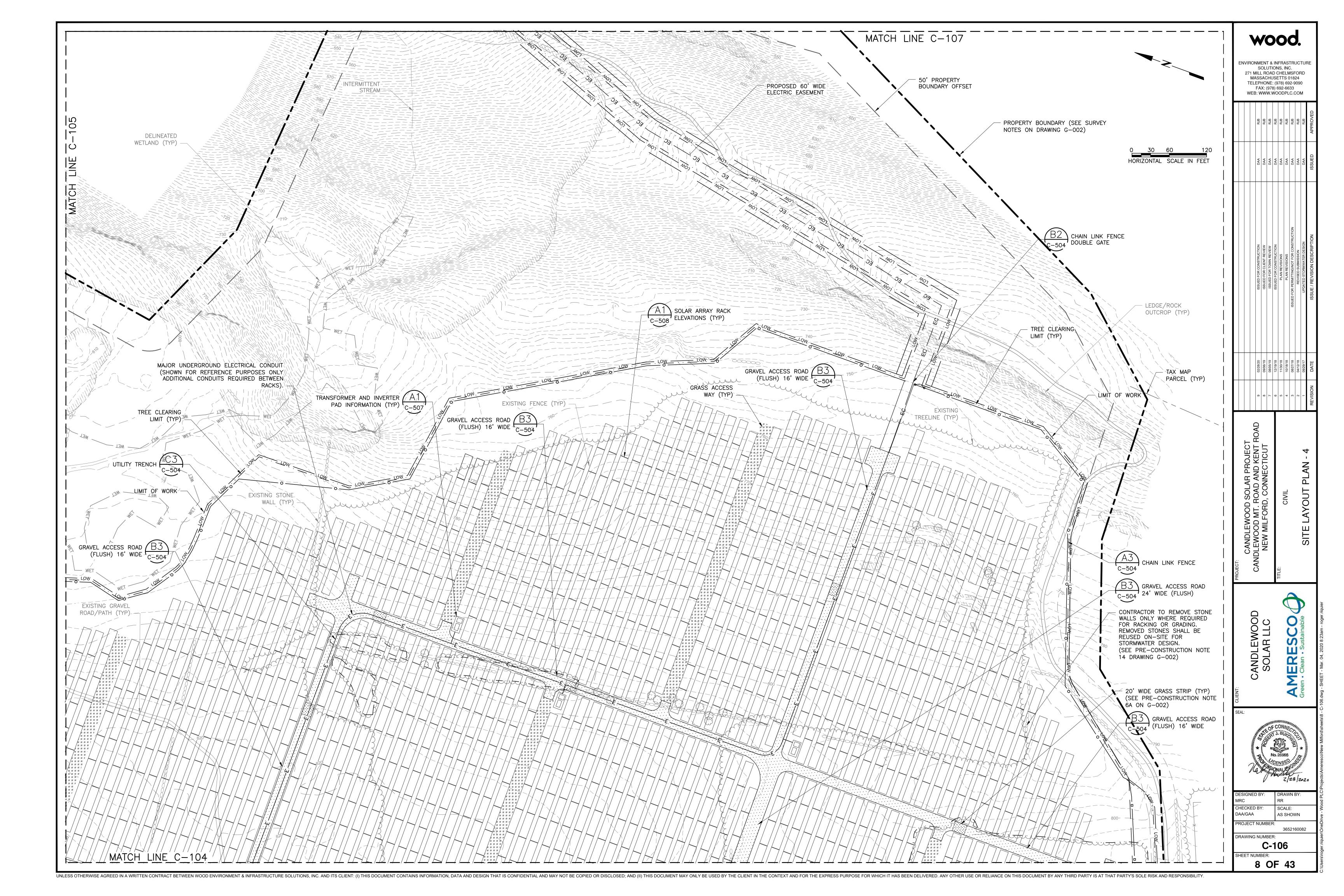


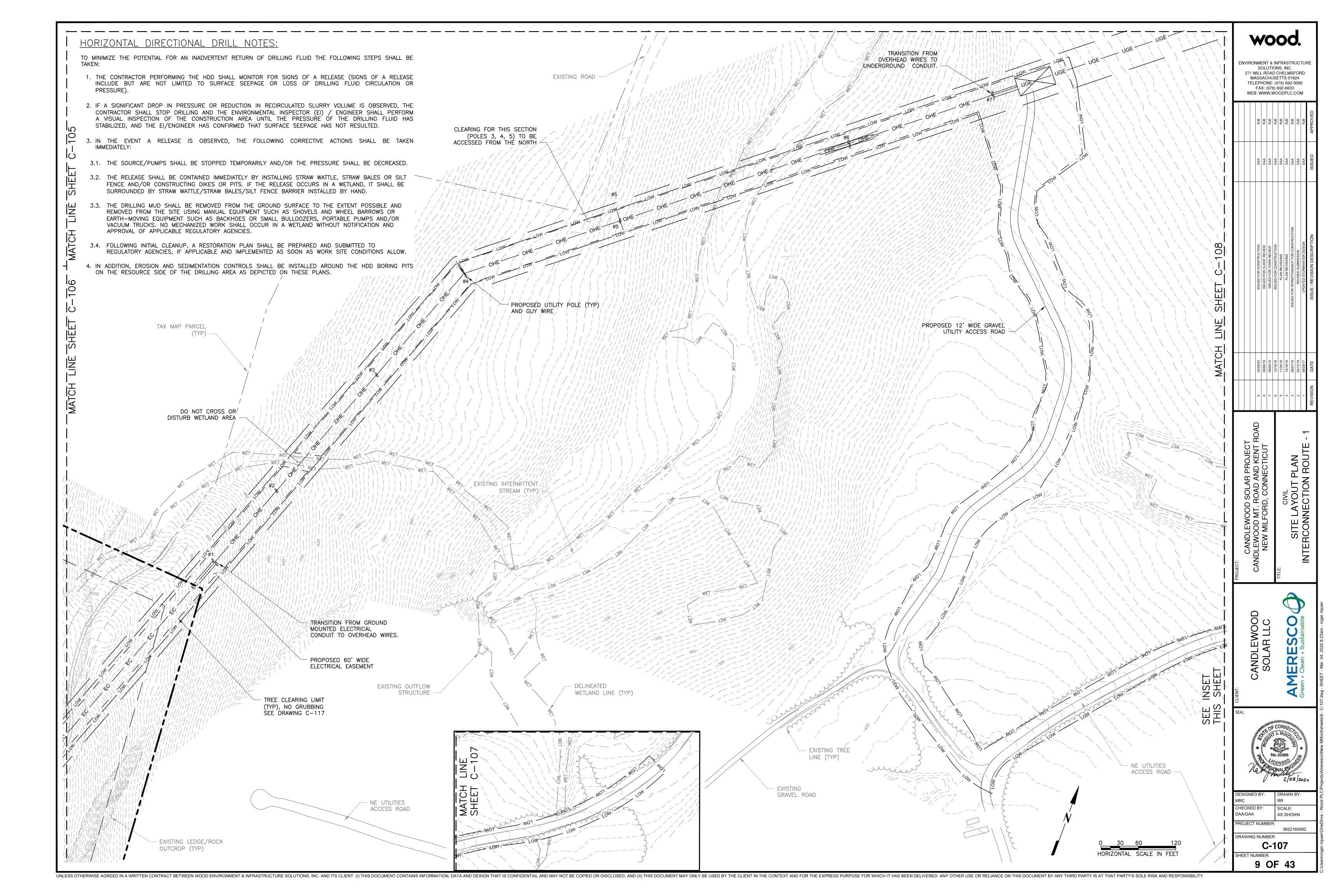


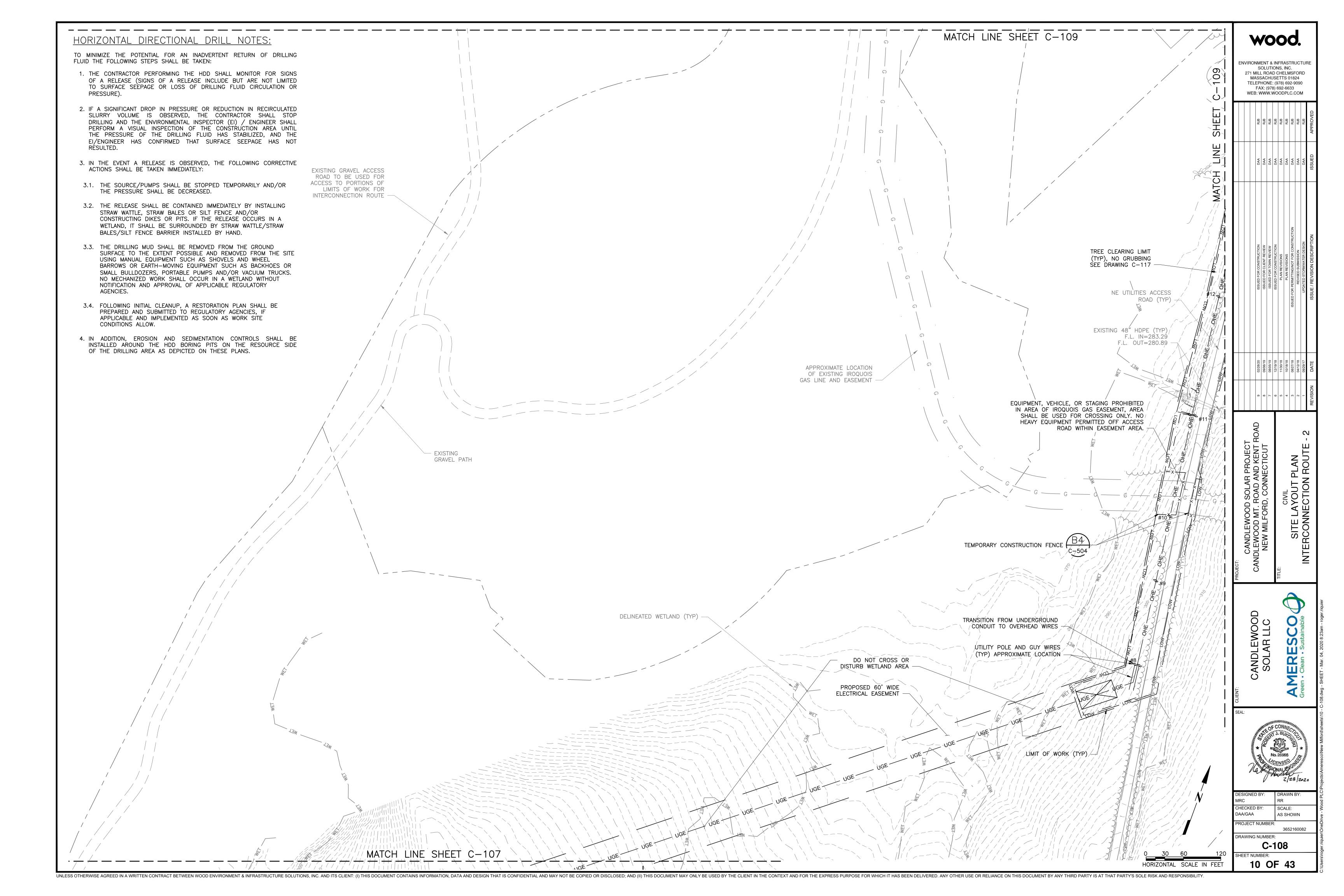


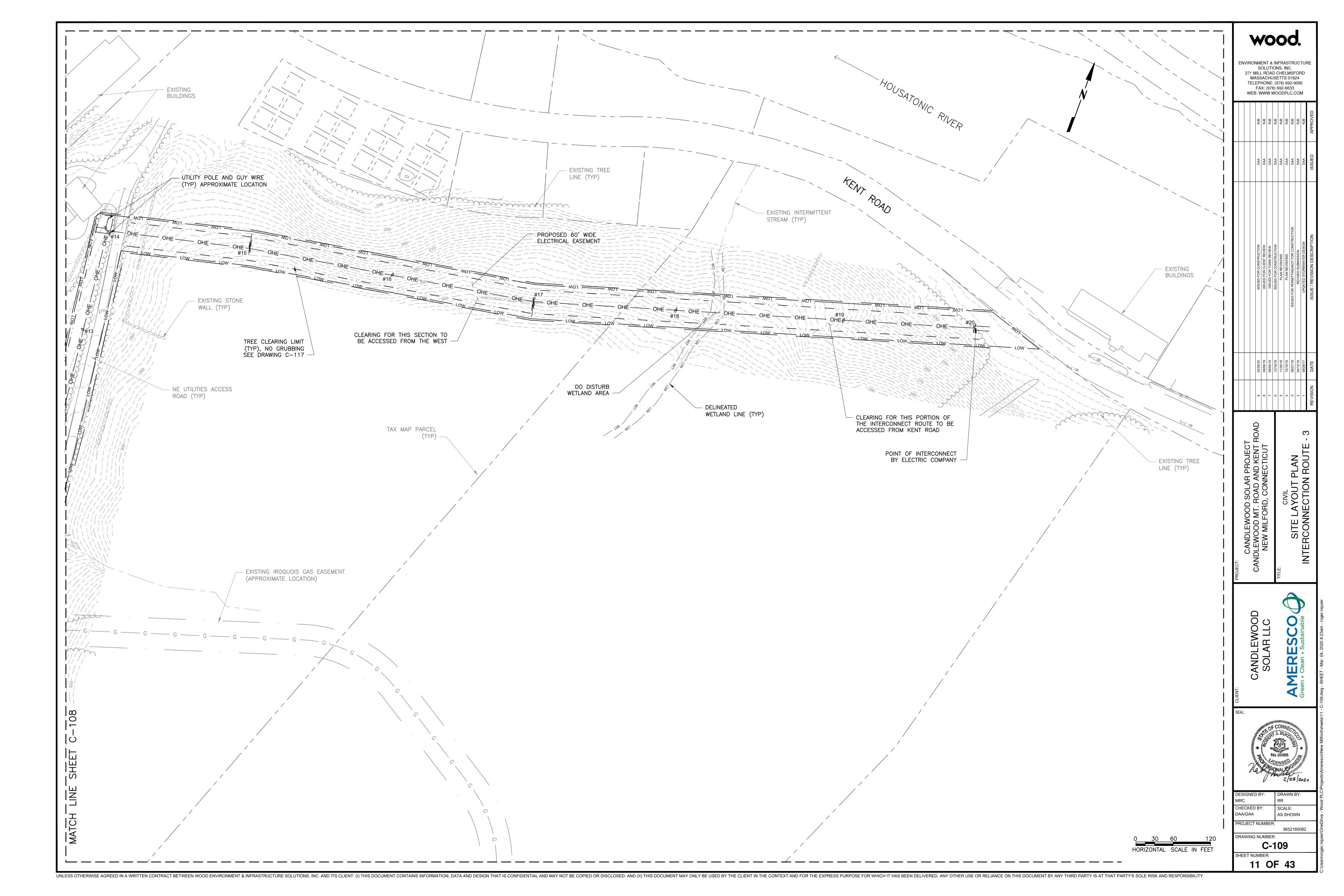


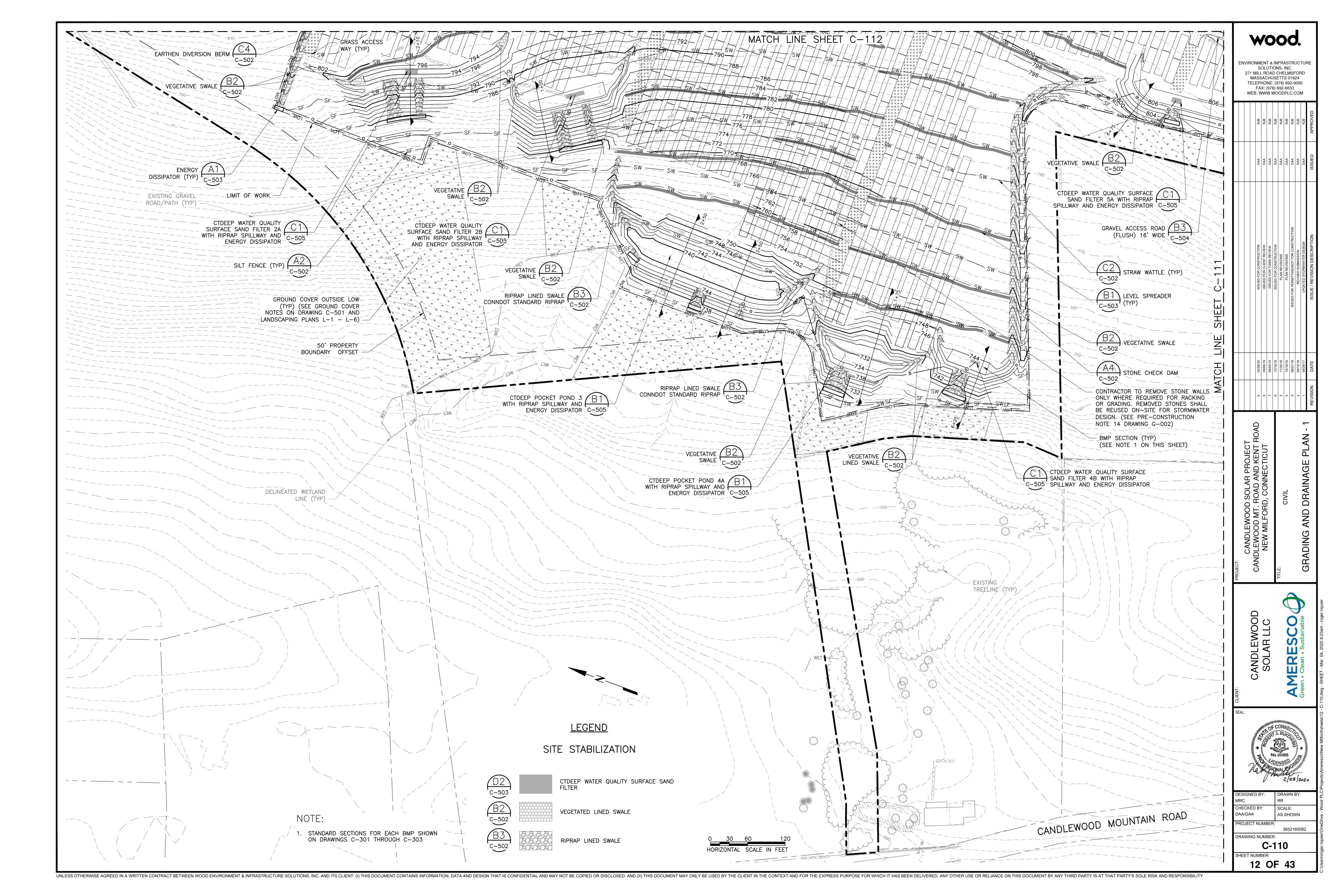


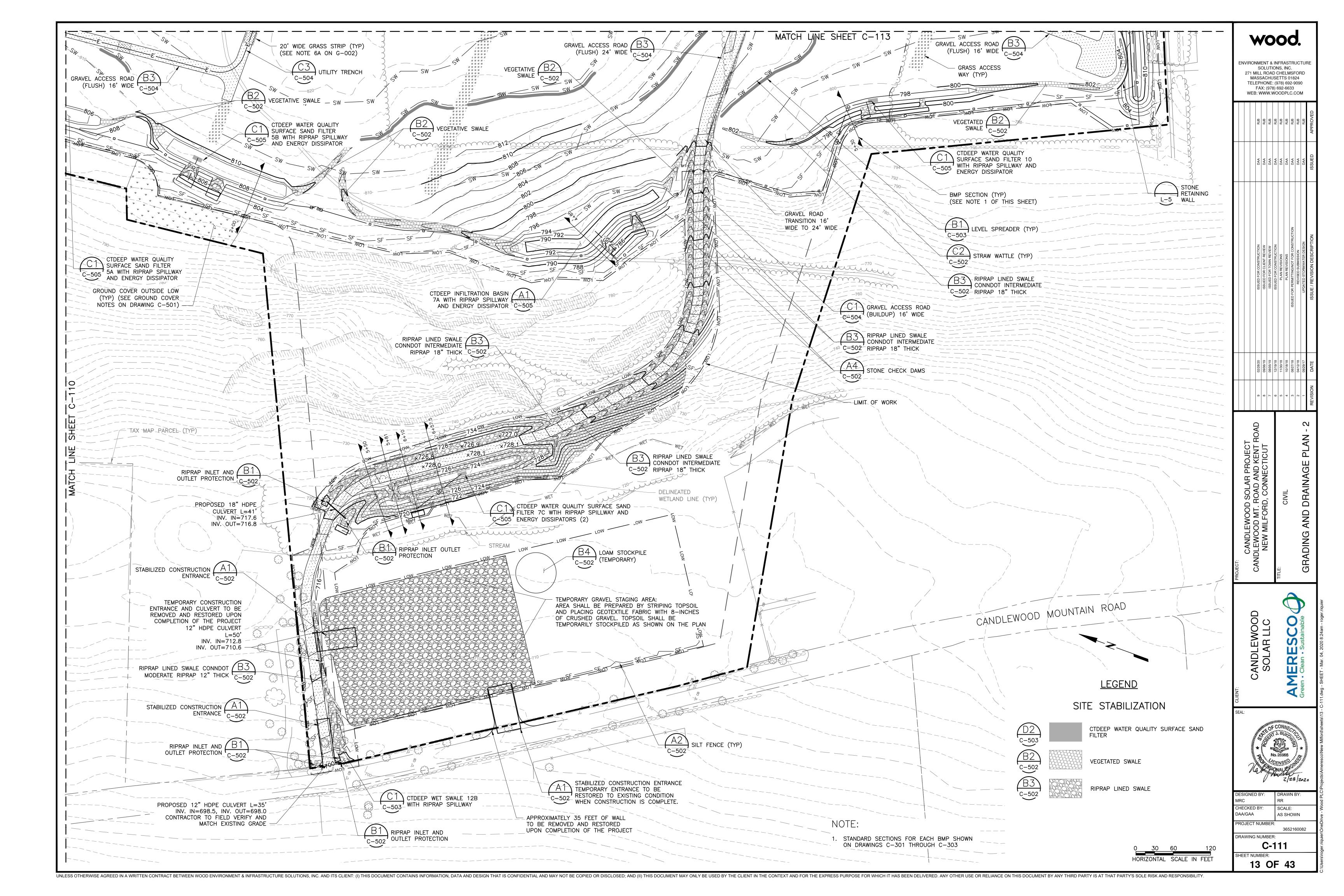


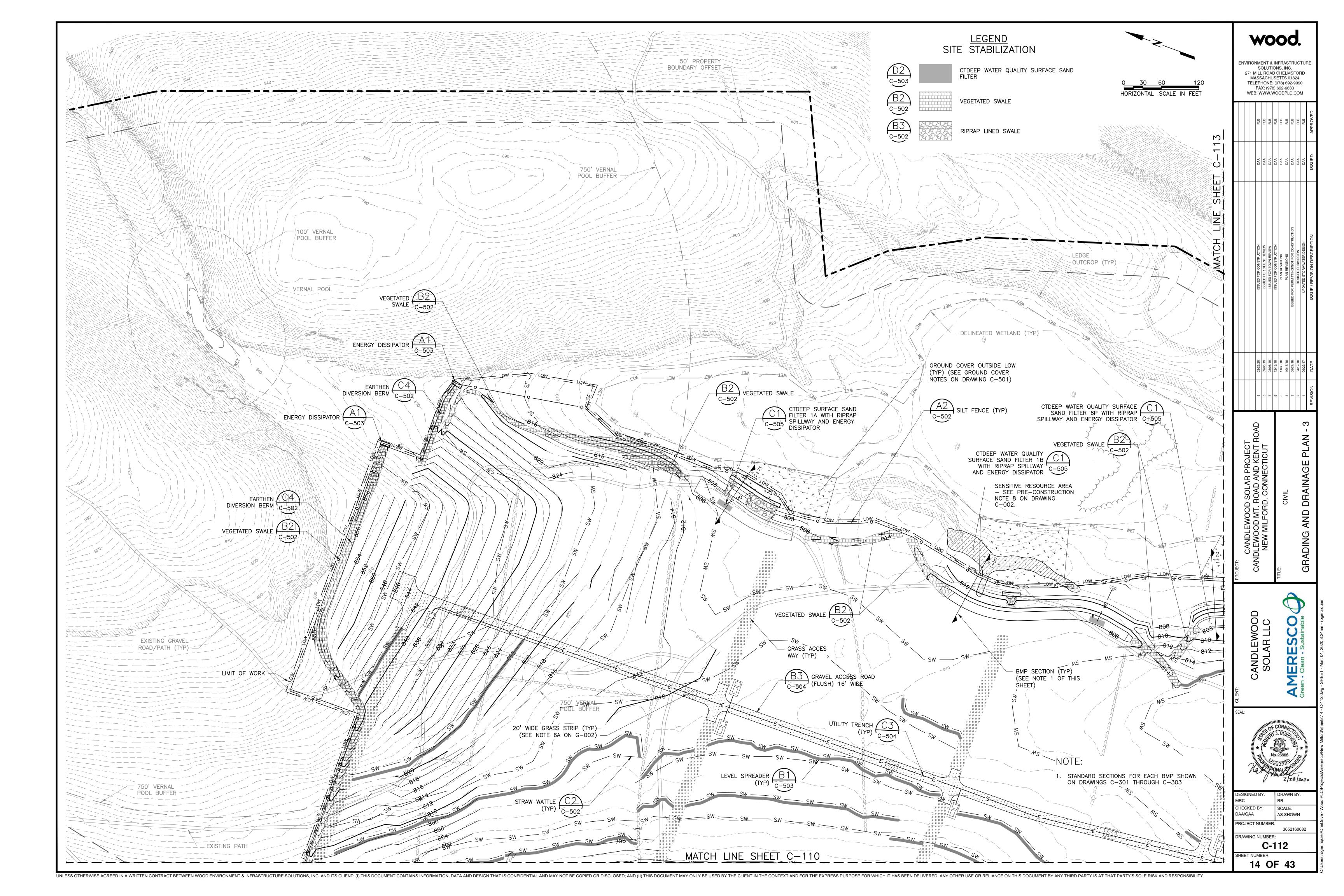


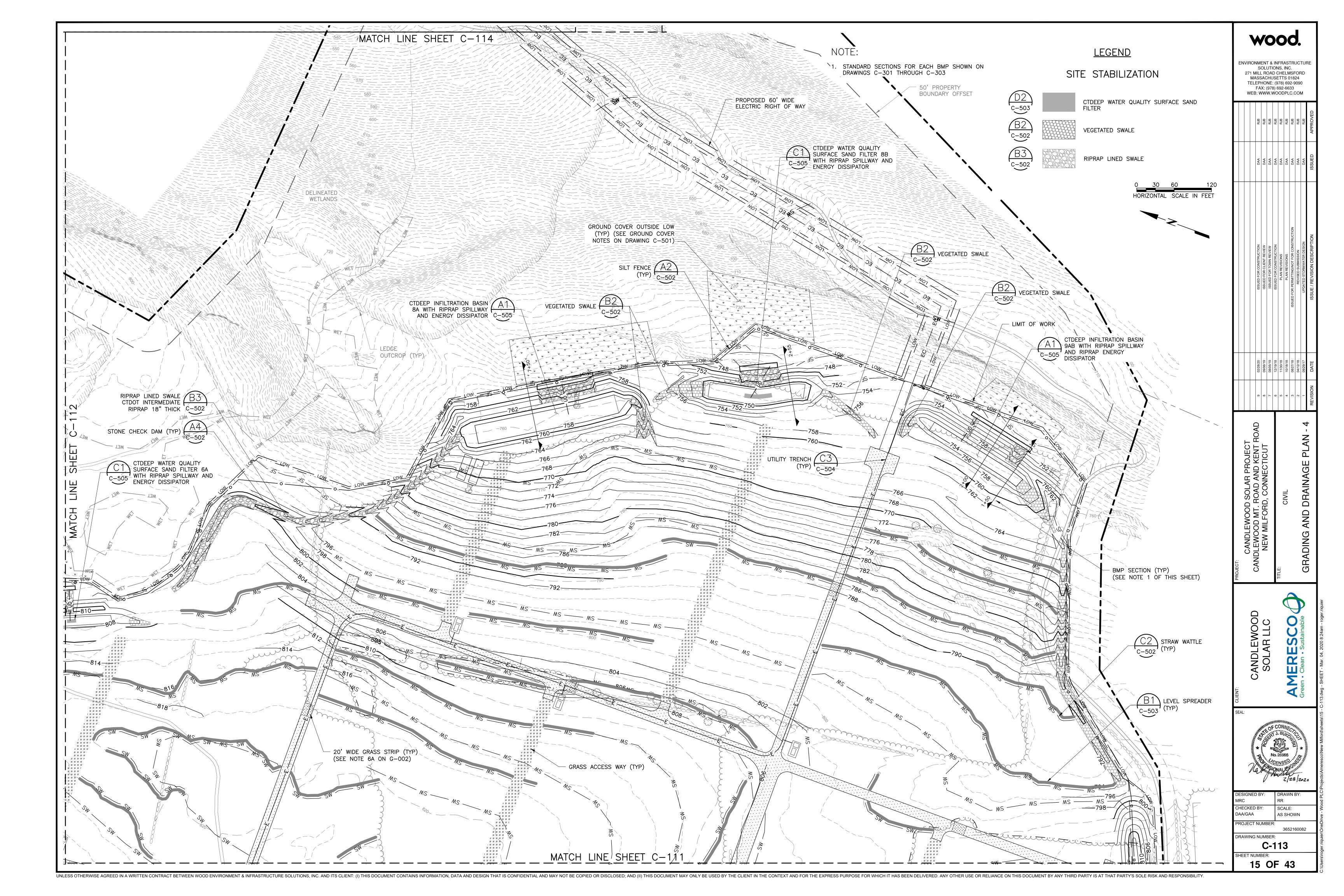


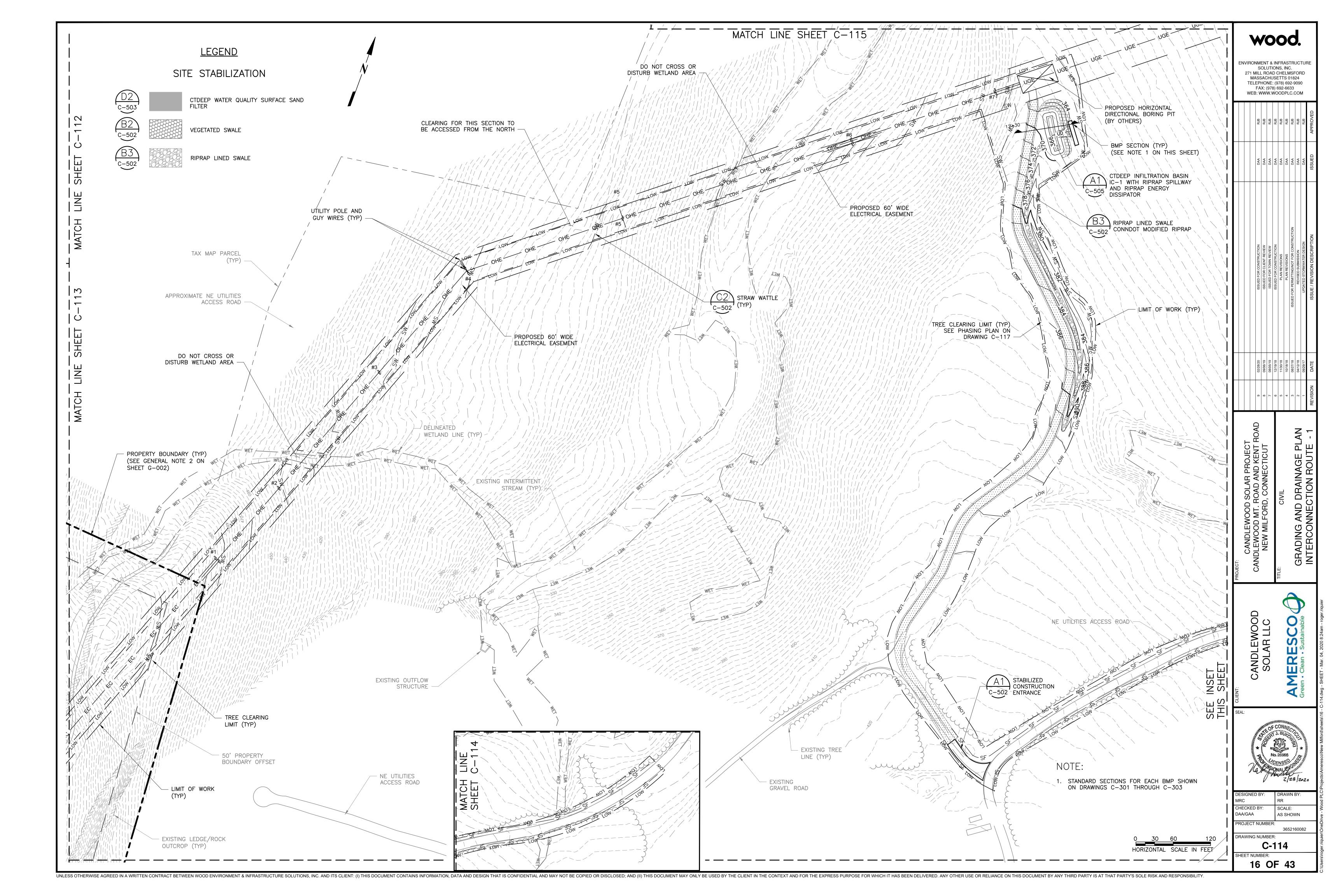


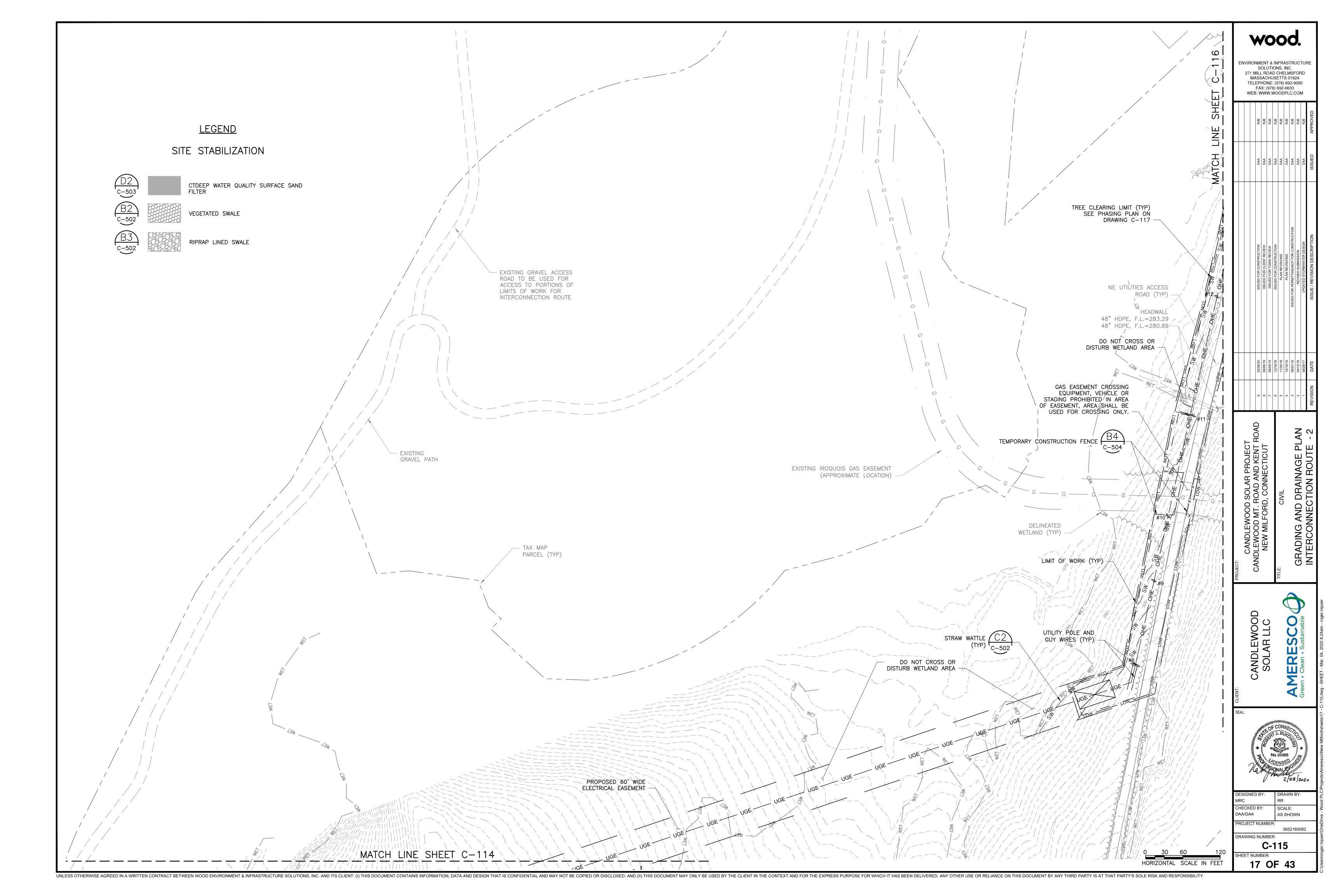


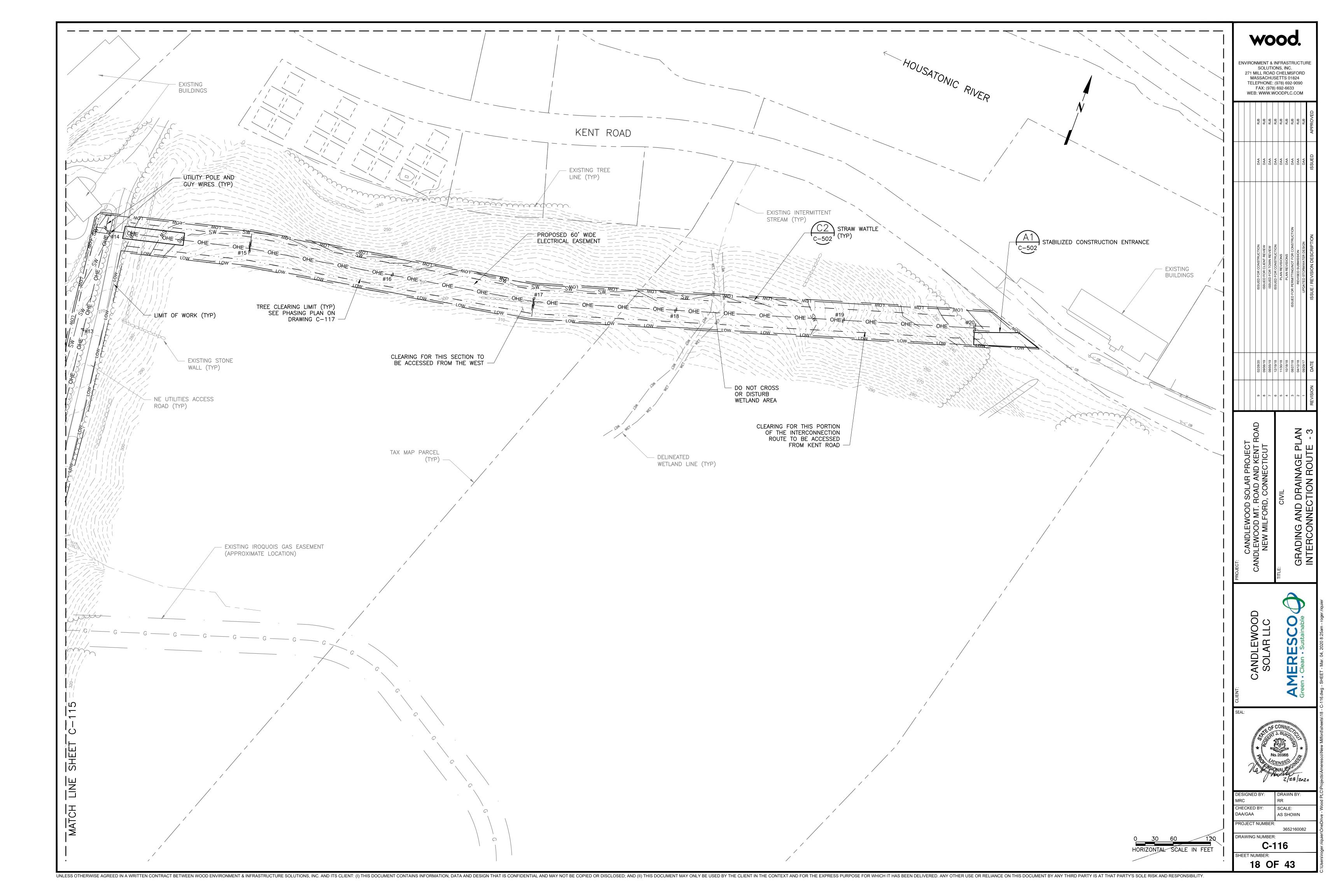












THIS PROJECT QUALIFIES AS A LARGE CONSTRUCTION SITE IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. CONSTRUCTION WILL BE PHASED AS FOLLOWS TO MINIMIZE THE SITE AREA THAT IS ACTIVELY BEING DEVELOPED AT ANY ONE TIME.

▶ PHASE I - INSTALL PERIMETER EROSION CONTROL MEASURES AND CLEAR LARGE **GROWTH TREES**

► PHASE II - ACCESS ROAD CONSTRUCTION

▶ PHASE III - SOLAR ARRAY INSTALLATION (TO BE COMPLETED IN SUB-PHASES)

▶▶ PHASE III.1 - INSTALL TEMPORARY SEDIMENT TRAPS, GRUB STUMPS, PERFORM GRADING AND STABILIZE

▶▶ PHASE III.2 - ONCE SUB-PHASE IS STABLE, INSTALL SOLAR ARRAY EQUIPMENT STABILIZE DISTURBANCE

PHASE I - INSTALL PERIMETER EROSION CONTROL AND SITE CLEARING

THIS PHASE WILL CONSIST OF THE INSTALLATION OF ALL PERIMETER EROSION CONTROL MEASURES AND CLEARING ABOVE GROUND LARGE GROWTH TREES FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY LAYOUT AND FLAGGING OF THE LIMIT OF CLEARING PRIOR TO THE START OF ACTIVITIES ASSOCIATED WITH THIS PHASE.

1. FLAG LIMITS OF DISTURBANCE FOR PHASE I ACTIVITIES, AS SHOWN ON THE DRAWINGS.

2. HOLD A PRE-CONSTRUCTION MEETING.

4. INSTALL THE CONSTRUCTION ENTRANCE ALONG CANDLEWOOD MOUNTAIN ROAD AND PREPARE THE TEMPORARY STAGING AREA.

5. INSTALL PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE DRAWINGS.

6. CONDUCT DAILY MORNING SWEEPS FOR STATE-LISTED SPECIES IN AREAS OF WORK AND VEHICLE MOVEMENT

7. CUT ABOVE-GROUND VEGETATION WITHIN THE LIMITS OF CLEARING. CHIP CLEARED

PHASE II - ACCESS ROAD CONSTRUCTION

THIS PHASE WILL CONSIST OF IMPROVING THE EXISTING ACCESS ROAD AND EXTENDING IT SUCH THAT THE ENTIRE SITE CAN BE ACCESSED FOR LATER PHASES. THIS PHASE ALSO CONSISTS OF THE CONSTRUCTION OF SUPPORT AREAS THAT WILL BE UTILIZED FOR THE DURATION OF THE PROJECT. PHASE ACTIVITIES WILL BE SEQUENCED AS FOLLOWS:

1. FLAG LIMITS OF DISTURBANCE FOR PHASE II ACTIVITIES.

2. HOLD A PRE-CONSTRUCTION MEETING.

3. UPDATE AND REPAIR ALL PERIMETER CONTROLS AND CONSTRUCTION ENTRANCES UTILIZED AS PART OF THIS WORK.

4. REMOVE STUMPS AND STRIP ALL TOPSOIL WITHIN THE ROAD LAYOUT, AND STOCKPILE WITHIN THE SUPPORT AREA(S) FOR LATER USE. STOCKPILES SHALL BE MANAGED IN ACCORDANCE WITH THESE DRAWINGS AND THE SWPCP.

5. PERFORM CUT/FILL OPERATIONS AS NECESSARY TO CONSTRUCT THE ACCESS ROAD

6. PLACE, GRADE, AND COMPACT AGGREGATE MATERIAL TO COMPLETE THE ACCESS ROAD BASE. ONCE THE ROAD BASE IS COMPLETED IN PLACE, THE ACCESS ROAD SURFACE WILL BE CONSIDERED STABILIZED.

7. SPREAD TOPSOIL (AS NECESSARY) AND PERFORM FINAL GRADING ON ACCESS ROAD

8. APPLY PERMANENT SEED TO EXPOSED AREAS ACCORDING TO THE SEEDING INSTRUCTIONS INCLUDED ON THE DRAWINGS. SEEDING SHALL BE INITIATED WITHIN 72 HOURS OF FINAL GRADING IN A GIVEN AREA. APPLY EROSION CONTROLS (E.G., POLYMER, MULCH, AND/OR EROSION CONTROL BLANKET) TO ALL AREAS WITH SLOPES EQUAL TO OR GREATER THAN

ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. 271 MILL ROAD CHELMSFORD MASSACHUSETTS 01824 TELEPHONE: (978) 692-9090 FAX: (978) 692-6633 WEB: WWW.WOODPLC.COM

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AD	б	02/28/20	ISSUED FOR CONSTRUCTION	DAA	RJB
	8	09/06/19	ISSUED FOR CLIENT REVIEW	DAA	RJB
	7	08/05/19	ISSUED FOR TOWN REVIEW	DAA	RJB
	9	12/19/18	ISSUED FOR CONSTRUCTION	DAA	RJB
	5	11/30/18	PLAN REVISIONS	DAA	RJB
	4	10/18/18	PLAN REVISIONS	DAA	RJB
7	8	08/27/18	ISSUED FOR PERMITTING/NOT FOR CONSTRUCTION	DAA	RJB
, ,	2	04/12/18	REVISED SUBMISSION	DAA	RJB
_	_	09/29/17	UPDATED STORMWATER DESIGN	DAA	RJB
•	REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED	APPROVED

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C-117 HEET NUMBER 19 OF 43

SUB-BASE. ▶▶ PHASE III.3 - INSTALL ELECTRICAL EQUIPMENT, STABILIZE DISTURBANCE VEGETATION AND SAVE FOR FUTURE USE AS MULCH AND MULCH BERMS, OR REMOVE FROM THE SITE. AVOID DISTURBING VEGETATION OUTSIDE THE LIMITS OF CLEARING. ▶▶ PHASE III.4 - CONVERT TEMPORARY SEDIMENT TRAP TO BMP, CLEAN, STABILIZE DISTURBANCE AND RESTORE AREA AS REQUIRED 8. INSTALL GROUND COVER IN AREAS IDENTIFIED ON THE PLANS IN UNDISTURBED AREAS DOWNGRADIENT OF PROPOSED BMP DISCHARGE LOCATIONS. ► PHASE IV - INTERCONNECTION ROUTE ► PHASE V - PERIMETER FENCE INSTALLATION AND FINAL STABILIZATION LOAM STOCKPILE (TYP) APPROXIMATE LOCATIONS - PROPOSED PERIMETER FENCE PHASE III C - 3.2 AC. **SOLAR ARRAY AREA** PHASE III A - 4.5 AC. PHASE III D - 2.1 AC. PHASE III B - 4.7 AC PHASE III - ARRAY SENSITIVE RESOURSE AREA SITE 96-166, SEE PHASE III E - 3.3 AC. PRE-CONSTRUCTION NOTE 8 ON DRAWING G-002 PHASE III I - 3.2 AC. PHASE III F - 3.4 AC. - PHASE IV - INTERCONNECTION ROUTE PHASE III L PHASE III J - 4.7 AC. PHASE III M - 4.5 AC ACCESS ROAD PHASE III N - 5.0 AC. CONSTRUCTION **ENTRANCE** PHASE III O - 4.0 AC. CANDLEWOOD MOUNTAIN ROAD PHASE II - ACCESS ROAD PHASE III R - 4.1 AC PHASE III P - 3.5 AC

PHASE III - STUMP REMOVAL, GRADING AND SOLAR ARRAY INSTALLATION

THIS PHASE WILL BE BROKEN UP INTO SEVERAL SMALLER SUB-PHASES. STUMP REMOVAL AND GRADING WILL BE PERFORMED SUCH THAT THE TOTAL AREA OF DISTURBED, EXPOSED GROUND SURFACE CONTRIBUTING STORMWATER RUNOFF TO A COMMON POINT IS RESTRICTED TO 5.0 ACRES OR LESS. EACH AREA, 5.0 ACRES OR LESS, WHICH CONTRIBUTES STORMWATER RUNOFF TO A COMMON POINT, SHALL BE REFERRED TO AS A "SUB-AREA". THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY LAYOUT AND FLAGGING OF ALL SUB-AREAS PRIOR TO GROUND DISTURBANCE ACTIVITIES ASSOCIATED WITH THIS PHASE.

WOOD SHALL PROVIDE THE CONTRACTOR A TABLE WITH CONTROL POINTS OF THE SUB-AREAS SHOWN ON THIS PLAN PRIOR TO CONSTRUCTION FOLLOWING REQUEST FROM CONTRACTOR

CONTRACTOR SHALL FOLLOW THE PHASING PLAN IDENTIFIED ON THIS SHEET. AS SHOWN, PHASE III ACTIVITIES SHALL BE COMPLETED IN UPSLOPE SUB-AREAS FIRST, THEN TRANSITION SEQUENTIALLY THROUGH DOWNGRADIENT SUB-AREAS, SO AS TO AVOID DIRECTING RUNOFF FROM EXPOSED AREAS ONTO AREAS THAT HAVE ALREADY BEEN STABILIZED.

▶▶ PHASE III.1 - EARTHWORK CONTRACTOR WILL GRUB STUMPS, INSTALL TEMPORARY SEDIMENT TRAPS, PERFORM MINIMAL GRADING AND STABILIZE EACH SUB-AREA

1. MARK THE LIMITS OF THE SUB-AREA(S) IN THE FIELD WITH HIGH-VISIBILITY FLAGGING, STAKES, OR A SIMILAR MEASURE.

2. HOLD A PRE-CONSTRUCTION MEETING.

3. INSTALL ADDITIONAL PERIMETER SEDIMENT BARRIERS IF REQUIRED. 4. CONDUCT DAILY MORNING SWEEPS FOR STATE-LISTED SPECIES IN

AREAS OF WORK AND VEHICLE MOVEMENT. 5. CONSTRUCT TEMPORARY SEDIMENT TRAPS AND OTHER BEST

MANAGEMENT PRACTICES AS SHOWN ON THE DRAWINGS. STABILIZE CONVEYANCES WITH MATTING AND RIPRAP AS SHOWN ON EROSION & SEDIMENT CONTROL PLANS.

6. ENSURE AN ADEQUATE SUPPLY OF TOPSOIL IS PRESENT IN THE SITE STOCKPILE AREA. IMPORT TOPSOIL TO THE STOCKPILE AREA IF

7. SUBMIT TOPSOIL SAMPLES FOR NUTRIENT ANALYSIS FOR DETERMINATION OF SOIL AMENDMENT TYPE AND APPLICATION RATE. SOIL SAMPLES SHALL BE TAKEN AT A FREQUENCY OF 1 SAMPLE PER 10 ACRES (EXISTING) OR 1 SAMPLE PER SUPPLIER (IMPORT). SUBMIT MATERIAL SOURCE YARD INSPECTION REPORT (SEE CONSTRUCTION NOTE 11.5.1 ON DRAWING G-002).

8. REMOVE STUMPS FROM WITHIN THE SUB-AREA AS SHOWN ON THE DRAWINGS, AND GRIND/CHIP FOR ON-SITE REUSE OR REMOVE FROM THE SITE.

9. PERFORM LIMITED GRADING AND SPREAD TOPSOIL AS NECESSARY TO PROVIDE A SUITABLE SURFACE COVER TO SUPPORT GRASS GROWTH. THIS STEP MAY BE INITIATED CONCURRENT WITH STUMP REMOVAL TO MINIMIZE THE AMOUNT OF TIME AN AREA REMAINS EXPOSED.

10. APPLY TEMPORARY SEED, POLYMER, AND MULCH TO EXPOSED AREAS ACCORDING TO THE SEEDING INSTRUCTIONS. SEEDING SHALL BE INITIATED WITHIN 72 HOURS OF FINAL GRADING IN A GIVEN SUB-AREA. APPLY EROSION CONTROLS (E.G., POLYMER, MULCH, AND/OR EROSION CONTROL BLANKET) TO ALL AREAS WITH SLOPES GREATER THAN 8% AS SHOWN ON THE PLANS.

O PERMANENT SEEDING MAY BE INITIATED IN LIEU OF TEMPORARY SEEDING IN AREAS THAT ARE NOT ANTICIPATED TO BE DISTURBED DURING LATER PHASES.

11. EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE MAINTAINED PER THE DRAWING DETAILS, MANUFACTURER'S INSTRUCTIONS, AND SITE SPECIFIC OPERATION AND MAINTENANCE PLAN.

12. ONCE A SUB-AREA HAS BEEN STABILIZED THROUGH THE USE OF POLYMER, WORK AT THE NEXT DOWNGRADIENT SUB-AREA CAN BEGIN, USING THE SEQUENCING DESCRIBED ABOVE.

▶▶ PHASE III.2 - SOLAR DEVELOPER WILL INSTALL SOLAR ARRAY EQUIPMENT. THIS PHASE WILL BE CONDUCTED ON STABILIZED GROUND AS DESCRIBED IN PHASE III.1.

1. HOLD A PRE-CONSTRUCTION MEETING.

2. INSTALL CONDUIT WITHIN TRENCHES AS SHOWN ON THE DRAWINGS, MINIMIZING THE LENGTH OF TRENCH THAT REMAINS EXPOSED. WHERE POSSIBLE, TRENCHES SHALL BE BACKFILLED WITH STABILIZATION INITIATED IN THE SAME WORK DAY.

3. WORKING ON AREAS THAT HAVE BEEN STABILIZED, INSTALL GROUND SCREWS FOR SOLAR ARRAYS. DISTURBANCE TO PREVIOUSLY STABILIZED AREAS SHOULD BE MINIMIZED THROUGH THE USE OF ANY OR ALL OF THE FOLLOWING: LOW GROUND PRESSURE EQUIPMENT, COMMON EQUIPMENT TRAVEL LANES, OR WORKING IN DRY CONDITIONS.

4. STABILIZE ANY SOIL CUTTINGS REMOVED DURING SCREW INSTALLATION IN UPLAND AREAS.

5. INSTALL EQUIPMENT PADS AS SHOWN ON THE PLANS. INITIATE PERMANENT SEEDING FOR STABILIZATION WHERE REQUIRED. ONCE THE SUB-AREA IS STABLE, THE SOLAR ARRAY RACKING AND PANEL EQUIPMENT WILL BE INSTALLED.

6. APPLY SEED, POLYMER AND MULCH TO RE-DISTURBED AREAS AS NEEDED THROUGHOUT ARRAY INSTALLATION.

▶▶ PHASE III.3 - ELECTRICAL CONTRACTOR WILL INSTALL ELECTRICAL EQUIPMENT IN STABLE AREA OF PHASE III.2.

1. ONCE THE SOLAR ARRAY HAS BEEN INSTALLED, THE ELECTRICAL CONTRACTOR WILL INSTALL ALL ELECTRICAL WIRING, EQUIPMENT AND

2. APPLY SEED, POLYMER, AND MULCH TO RE-DISTURBED AREAS AS NEEDED THROUGHOUT ELECTRICAL INSTALLATION.

▶▶ PHASE III.4 - EARTHWORK CONTRACTOR WILL GO BACK TO STABLE SUB-AREAS WHICH NOW HAVE SOLAR AND ELECTRICAL EQUIPMENT FOR RESTORATION. 1. CONDUCT DAILY MORNING SWEEPS FOR STATE-LISTED SPECIES IN

AREAS OF WORK AND VEHICLE MOVEMENT. 2. INSTALL ADDITIONAL PERIMETER SEDIMENT CONTROLS AND/OR REPAIR

AS REQUIRED. . REMOVE AND/OR CONVERT SEDIMENT TRAP TO PERMANENT BMPS STARTING AT THE MOST DOWNGRADIENT POINT AND WORKING

3.1 MAKE NECESSARY REPAIRS AND/OR CONSTRUCT ENERGY DISSIPATORS AS SHOWN ON THE GRADING PLANS.

3.2 REMOVE SEDIMENTS FROM TEMPORARY SEDIMENT TRAPS.

3.3 UNPLUG AND FINISH CONSTRUCTING UNDERDRAINS.

3.4 INSTALL SAND FILTERS AT APPLICABLE BMPs AS SHOWN ON THE

3.5 CONSTRUCT AND GRADE BMP AS SHOWN ON THE GRADING PLANS.

4. PERFORM GRADING TO ENSURE THERE IS NO RUTTING OF THE VEGETATION. 5. INSTALL LANDSCAPE PLANTINGS IN SELECT LOCATIONS OF THE SITE AS

SHOWN ON THE DRAWINGS TO PROVIDE ADDITIONAL VEGETATIVE SCREENING TO NEIGHBORING PROPERTIES. 6. INSTALL GRAVEL LEVEL SPREADERS AS SHOWN ON THE GRADING

7. INSTALL GRAVEL DRIP EDGE IN ARRAY AREAS GREATER THAN 5% AS SHOWN ON THE DRAWINGS.

REMOVE TEMPORARY GRAVEL ROADS.

GRADING PLANS.

9. INSTALL GRASS STRIPS WITHIN PERMANENT GRAVEL ROADS.

10. APPLY SEED. POLYMER. AND MULCH TO RE-DISTURBED AREAS AS NEEDED FOR FINAL SITE RESTORATION.

11. CLEAN, RESTORE, AND RESEED AREAS AS REQUIRED

PHASE IV - INTERCONNECTION ROUTE

THIS PHASE CONSISTS OF INSTALLING THE INTERCONNECTION ROUTE BETWEEN THE ARRAY AREA AND KENT ROAD, AS SHOWN ON THE DRAWINGS. THIS PHASE MAY BE CONDUCTED CONCURRENTLY WITH PHASES II AND III.

1. IDENTIFY THE LIMITS OF WORK FOR THIS PHASE, INCLUDING ANY TREE CLEARING OR PRUNING NECESSARY TO ACCOMMODATE THE OVERHEAD LINES, AND MARK THEM WITH HIGH-VISIBILITY FLAGGING. INSTALL PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE DRAWINGS.

2. IDENTIFY LOCATIONS FOR PROPOSED UTILITY POLES, AND MARK THEM WITH HIGH-VISIBILITY FLAGGING.

3. HOLD A PRE-CONSTRUCTION MEETING.

4. CUT VEGETATION WITHIN THE LIMITS OF CLEARING AS REQUIRED FOR CONSTRUCTION AND OVERHEAD ACCESS. CHIP CLEARED VEGETATION AND SAVE FOR FUTURE USE AS MULCH, OR REMOVE FROM THE SITE. AVOID DISTURBING VEGETATION OUTSIDE THE LIMITS OF CLEARING.

5. LEAVE STUMPS AND LOW GROWTH VEGETATION IN PLACE. SOIL DISTURBANCES SHALL BE LIMITED TO EXCAVATIONS FOR THE UTILITY POLE STRUCTURES, TREE CLEARING/STUMP REMOVAL, AND SURFICIAL GRADING ASSOCIATED WITH THE NEW ACCESS ROAD, AND LIMITED

RE-GRADING OF EXISTING ACCESS ROADS, AND HDD BORING PITS. 6. LEAVE ANY LOW-GROWING FOREST SHRUB SPECIES (MOUNTAIN LAUREL, WITCH HAZEL, NATIVE VIBURNUM, ETC.) IN PLACE, WORKING

AROUND IF NEEDED. 7. RESERVE HARDWOOD AND PINE TRUNK SECTIONS GREATER THAN 12 INCHES IN DIAMETER, CUT TO 3-4 FOOT LENGTHS, SPLIT

LONGITUDINALLY. 8. ACCESS UTILITY POLE LOCATIONS FROM UPLAND AREAS.

9. CROSSING OF WETLAND AREAS IS NOT PERMITTED. EXISTING AND PROPOSED ACCESS ROADS, AS SHOWN ON THE PLANS, SHALL BE USED FOR ACCESS TO SEGMENTS OF THE INTERCONNECTION ROUTE WHERE WETLANDS AVOID CONTINUOUS ACCESS TO THE INTERCONNECTION ROUTE. CLEARING OF VEGETATION WITHIN WETLAND AREAS SHALL BE PERFORMED FROM OUTSIDE THE WETLAND BOUNDARY BY EQUIPMENT WITH SUFFICIENT REACH ACCESS TO AVOID ANY DISTURBANCE TO WETLAND AREAS.

10. SOILS REMOVED DURING INSTALLATION OF UTILITY POLES SHALL BE PLACED IN UPLAND AREAS, UPGRADIENT OF SEDIMENTATION CONTROLS, AND SHALL BE STABILIZED BY VEGETATIVE OR NON-VEGETATIVE MEASURES.

11. RESTORE DISTURBED AREAS UPON COMPLETION, IF NECESSARY, AND APPLY PERMANENT SEED, MULCH, AND POLYMER ON EXPOSED SOILS.

PHASE V - PERIMETER FENCE INSTALLATION

THIS PHASE CONSISTS OF INSTALLING THE PERIMETER FENCE AROUND THE ARRAY AREA AND THE ACCESS GATES, AS SHOWN ON THE DRAWINGS. THIS PHASE MAY BE CONDUCTED CONCURRENTLY WITH PHASES II, III, AND/OR IV.

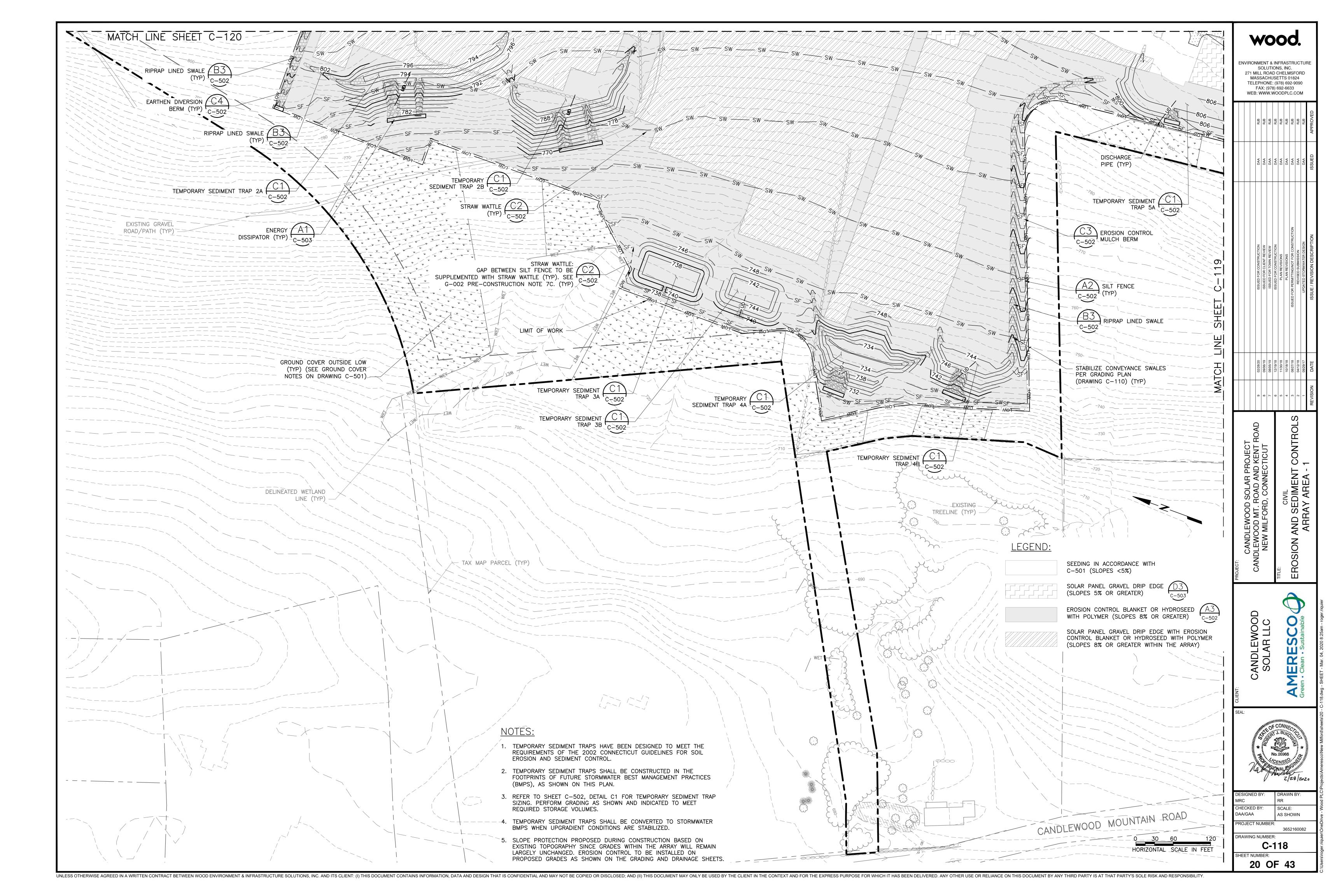
1. IDENTIFY THE LIMITS OF WORK FOR THIS PHASE, INCLUDING THE EXTENTS OF FENCING.

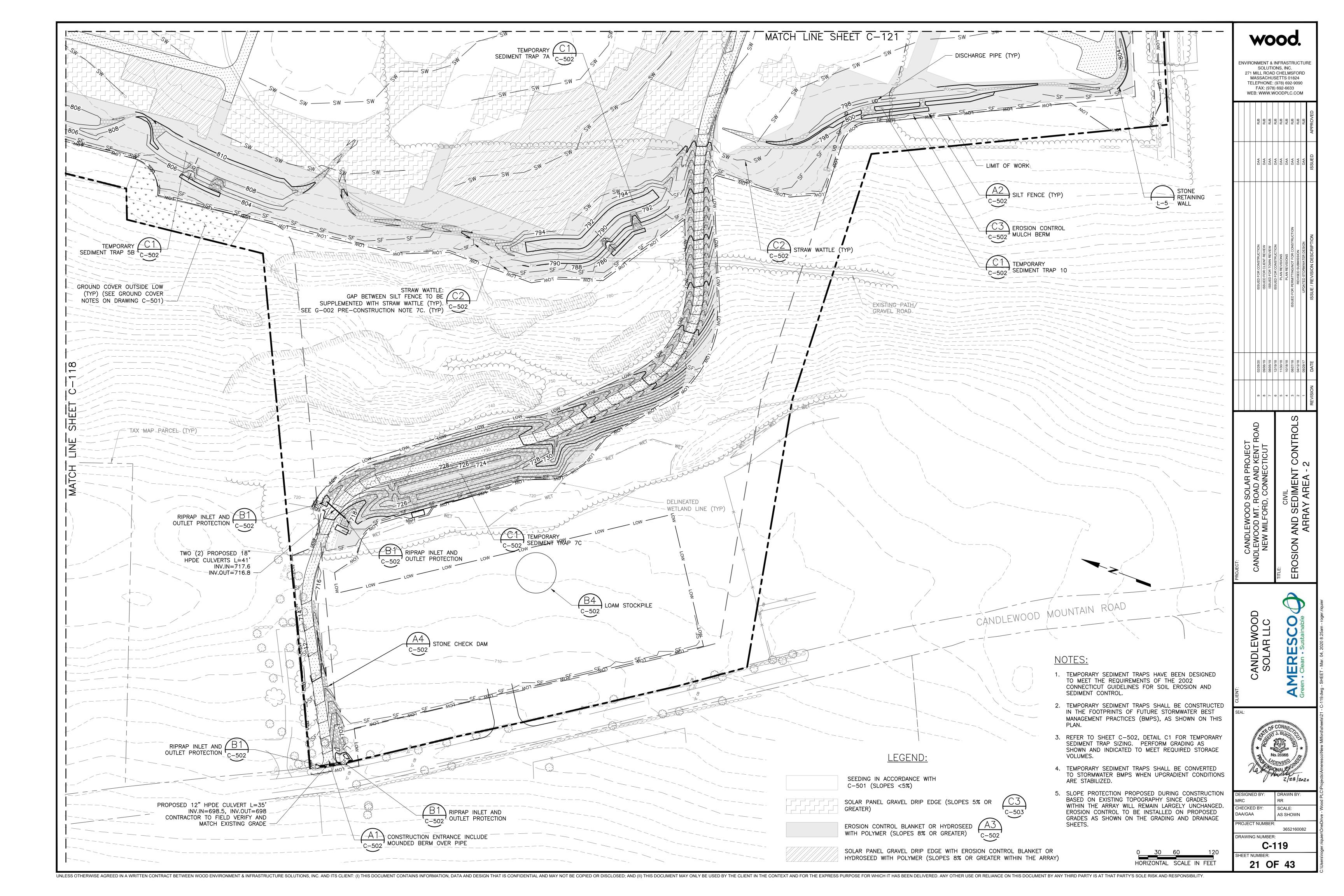
2. MARK FENCING LOCATIONS WITH HIGH-VISIBILITY FLAGGING

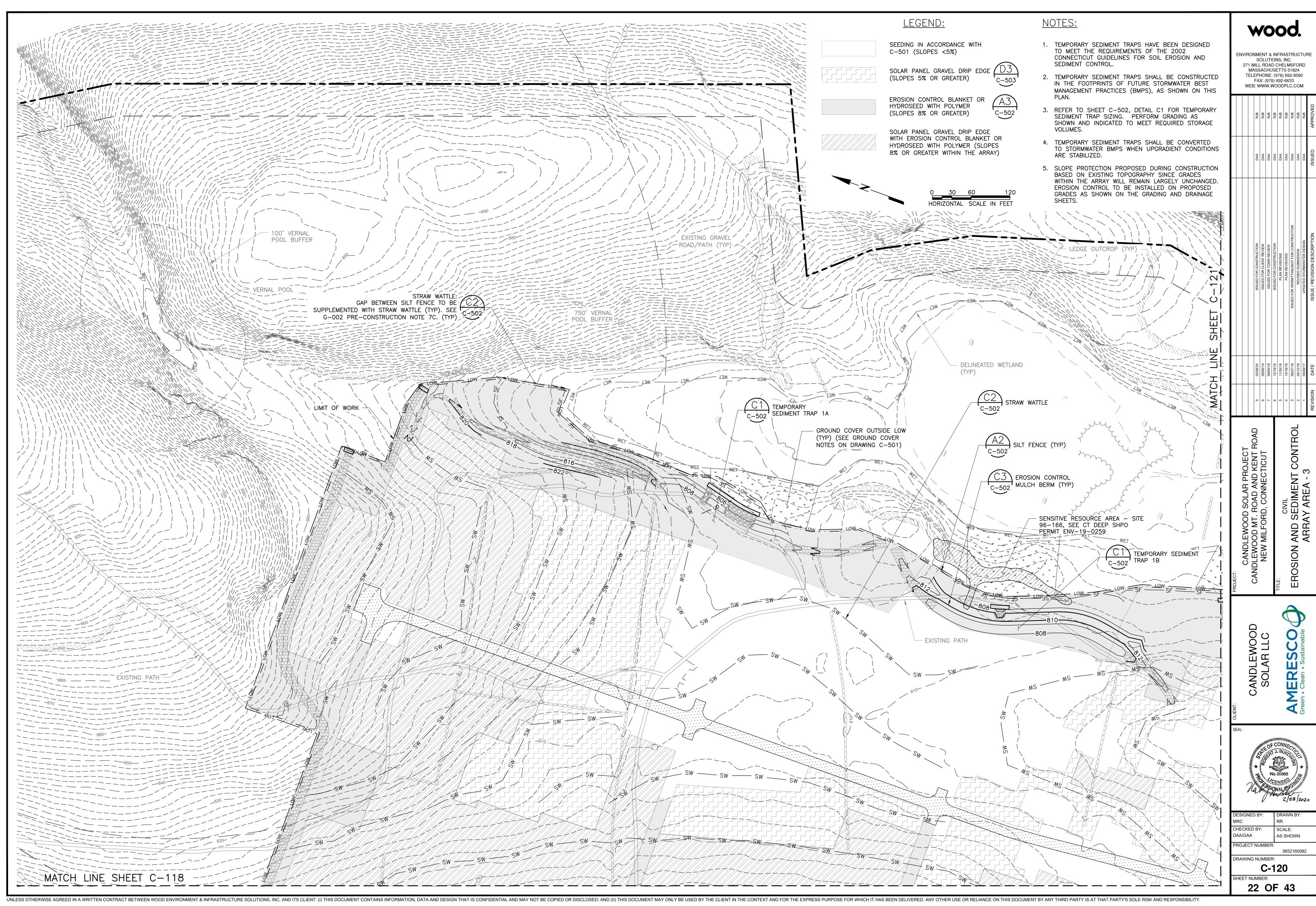
3. HOLD A PRE-CONSTRUCTION MEETING.

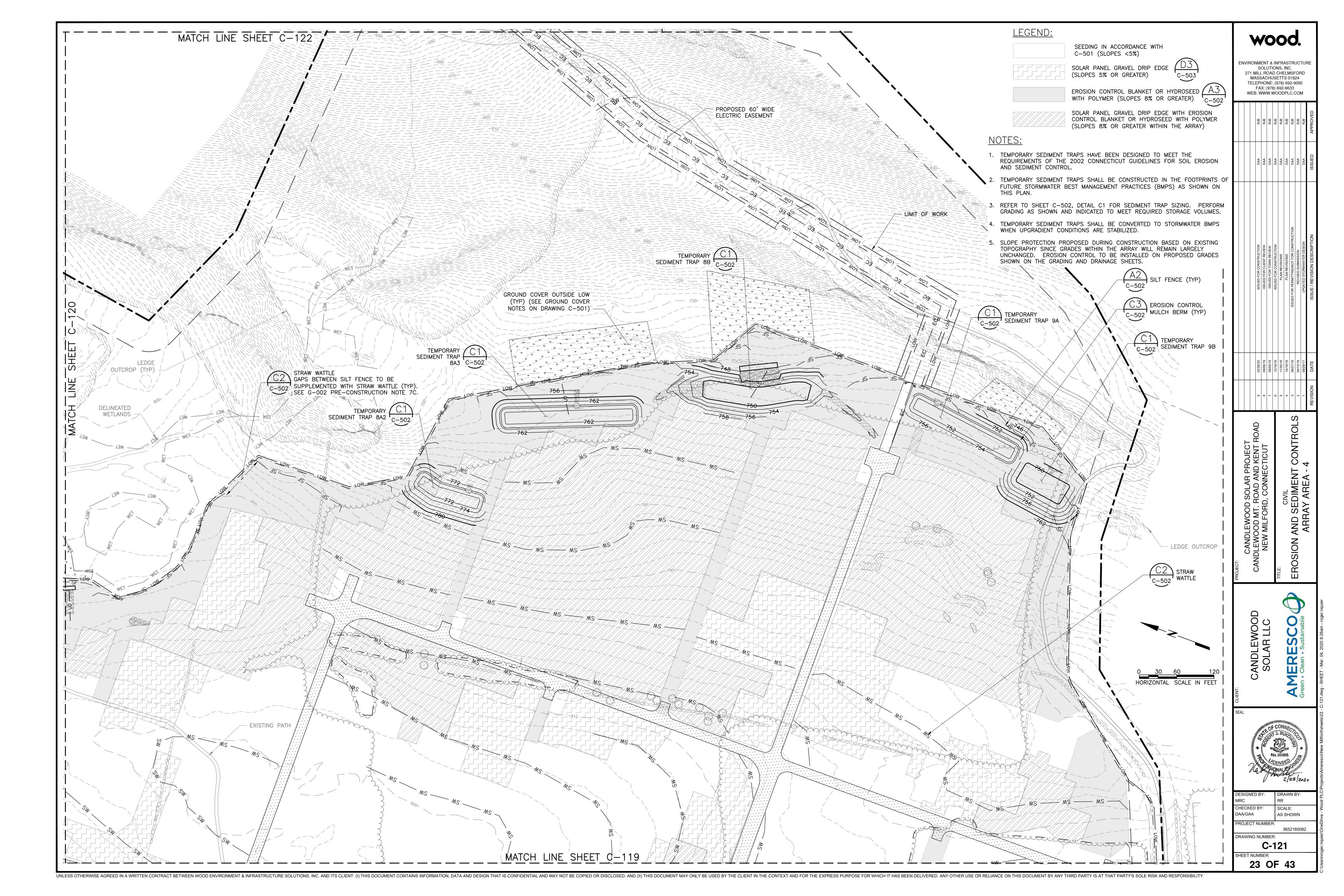
4. INSTALL THE FENCE POSTS AS SHOWN ON THE DRAWINGS.

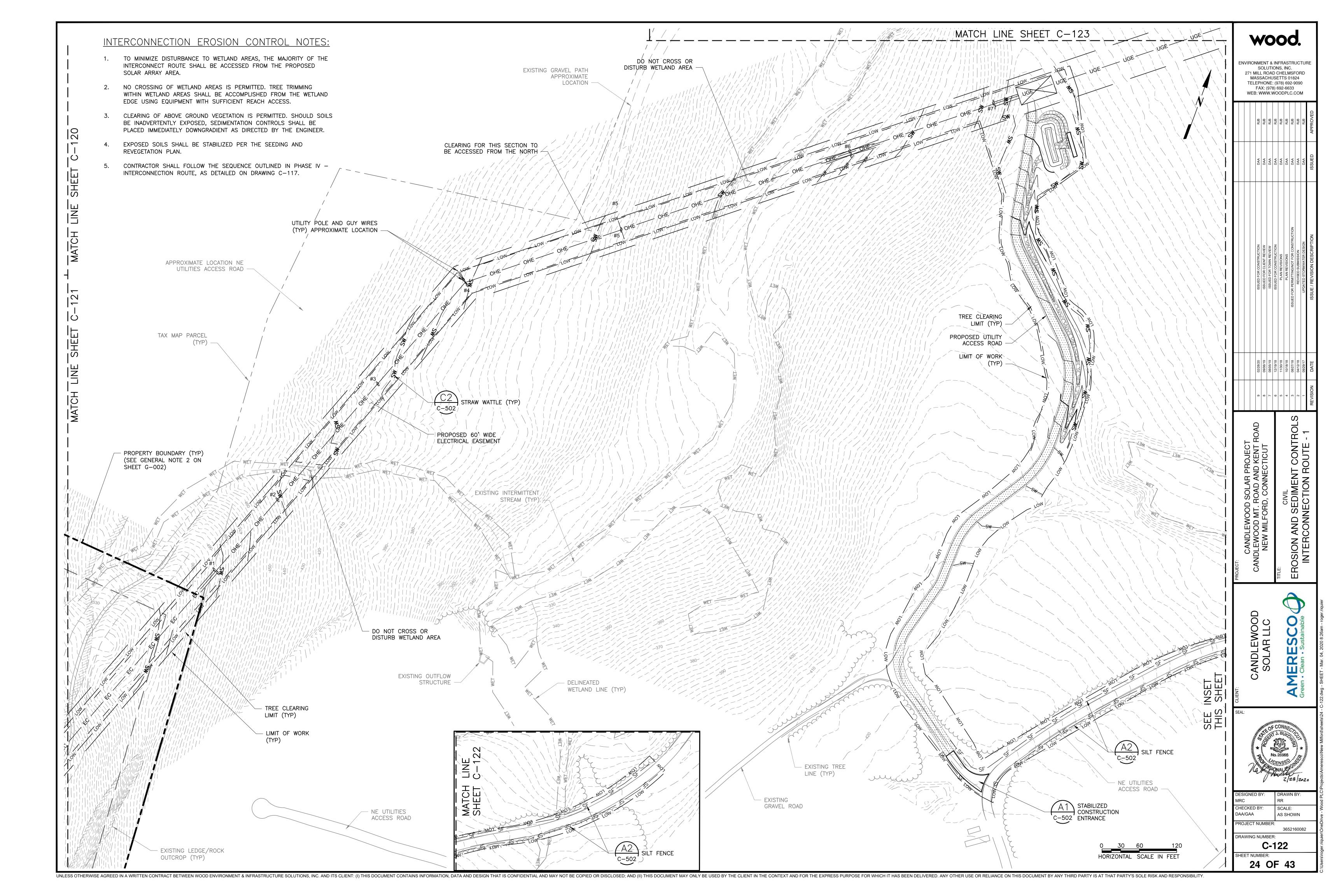
5. SOILS GENERATED DURING INSTALLATION OF UTILITY POLES (IF ANY) SHALL BE PLACED IN UPLAND AREAS, UPGRADIENT OF SEDIMENTATION CONTROLS, AND SHALL BE STABILIZED BY VEGETATIVE OR NON-VEGETATIVE MEASURES.

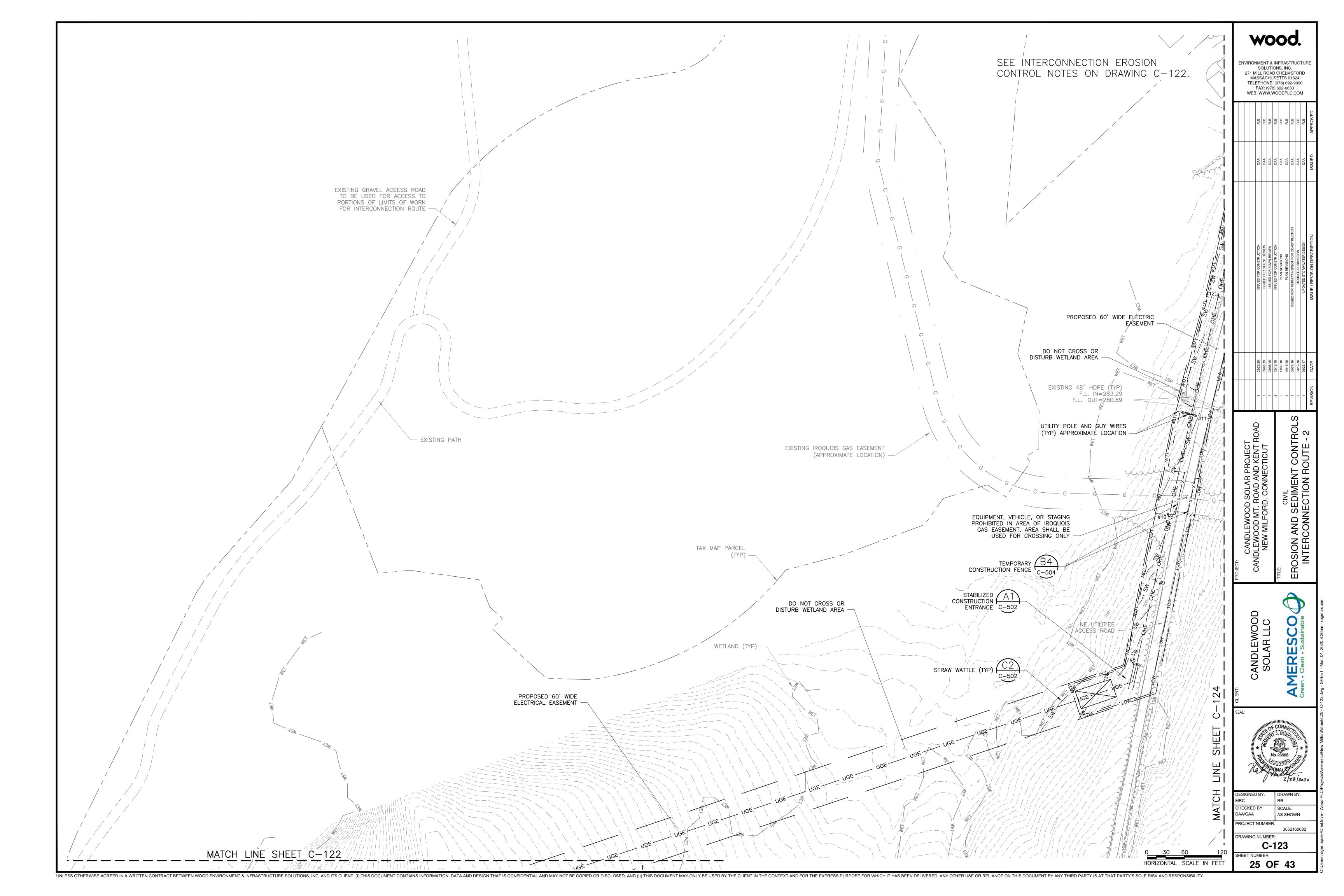


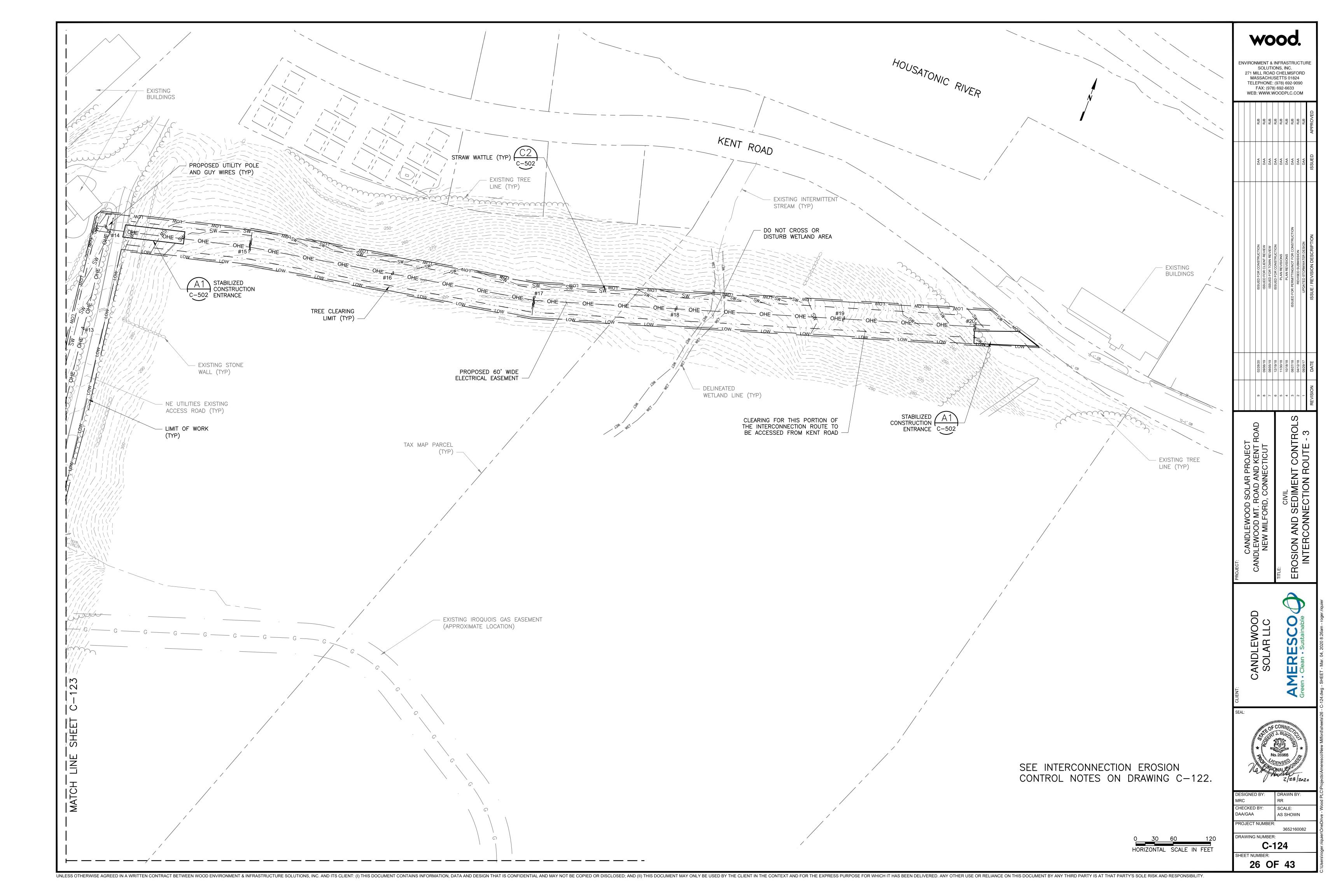


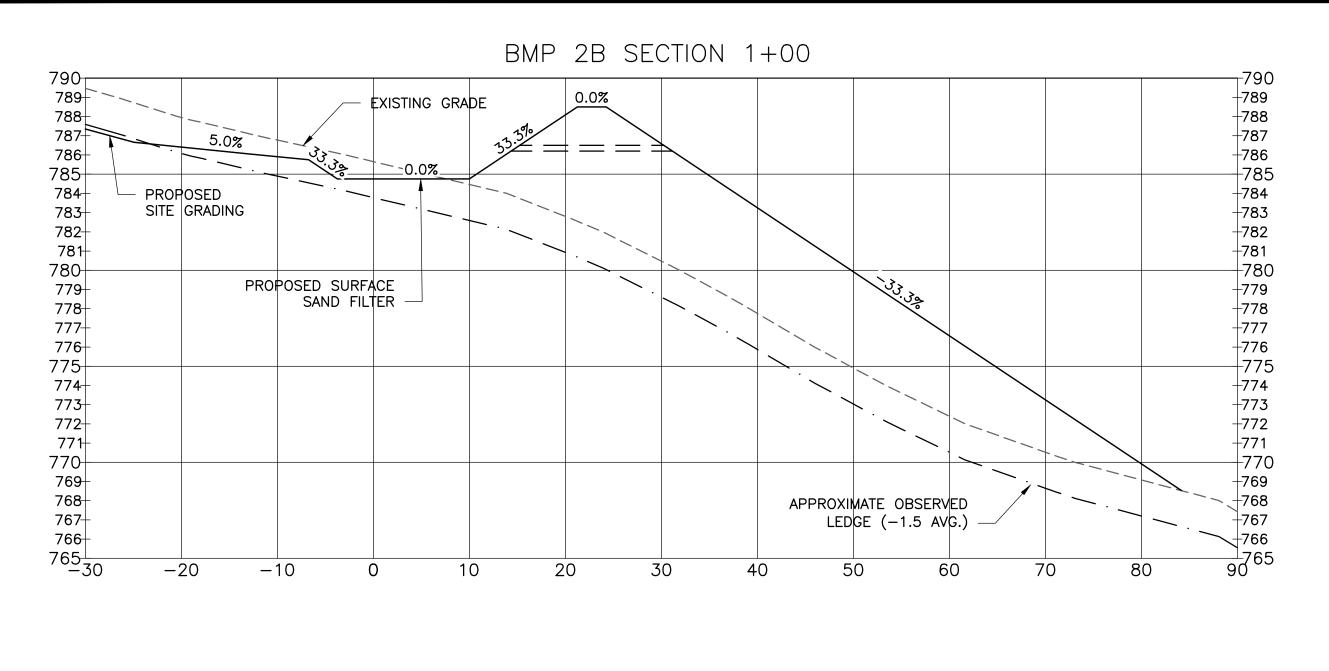


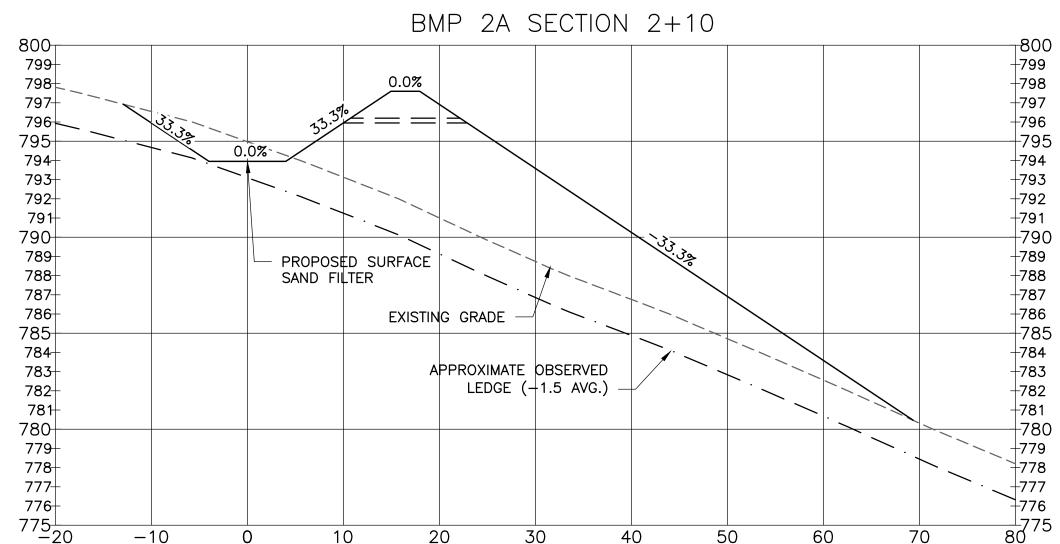


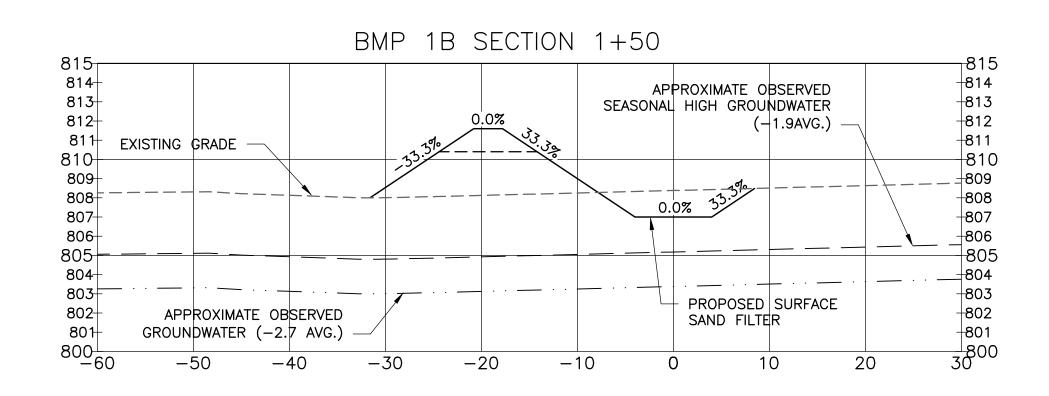


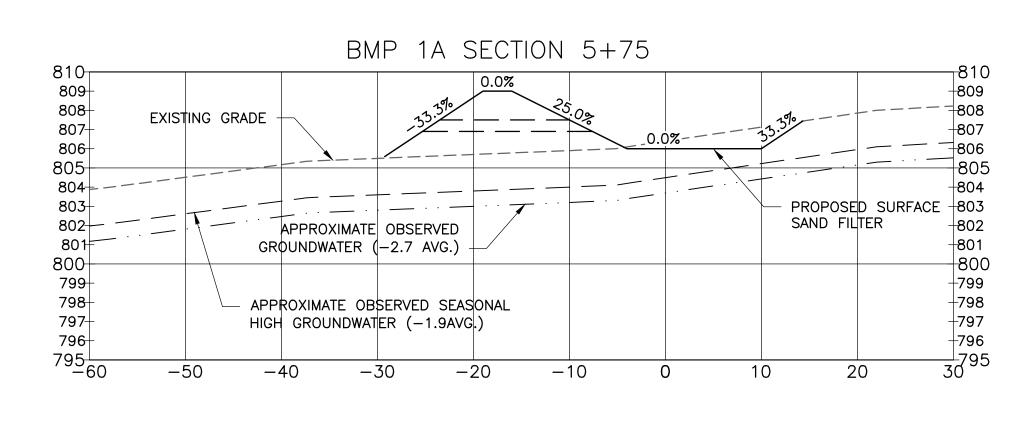








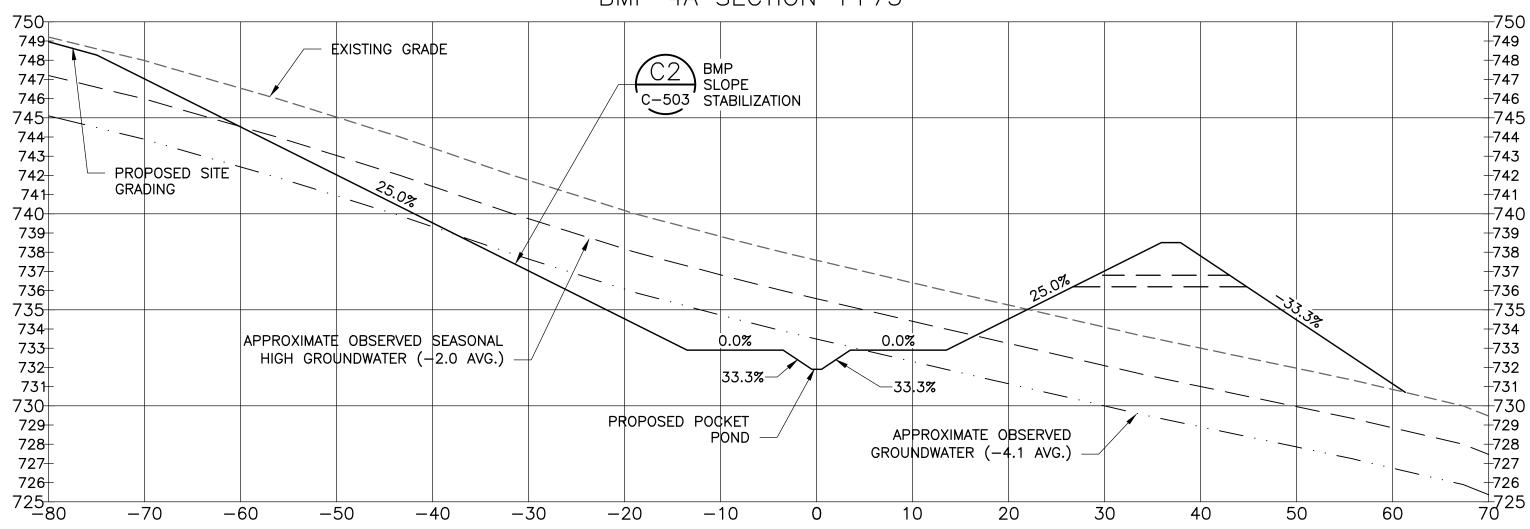




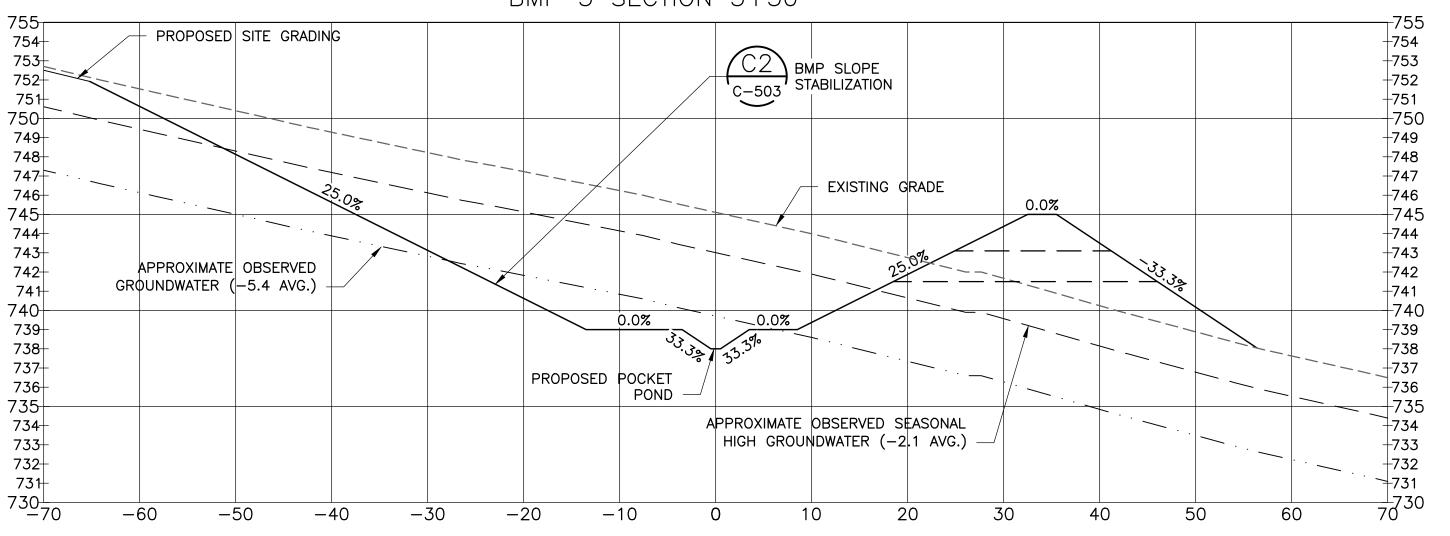
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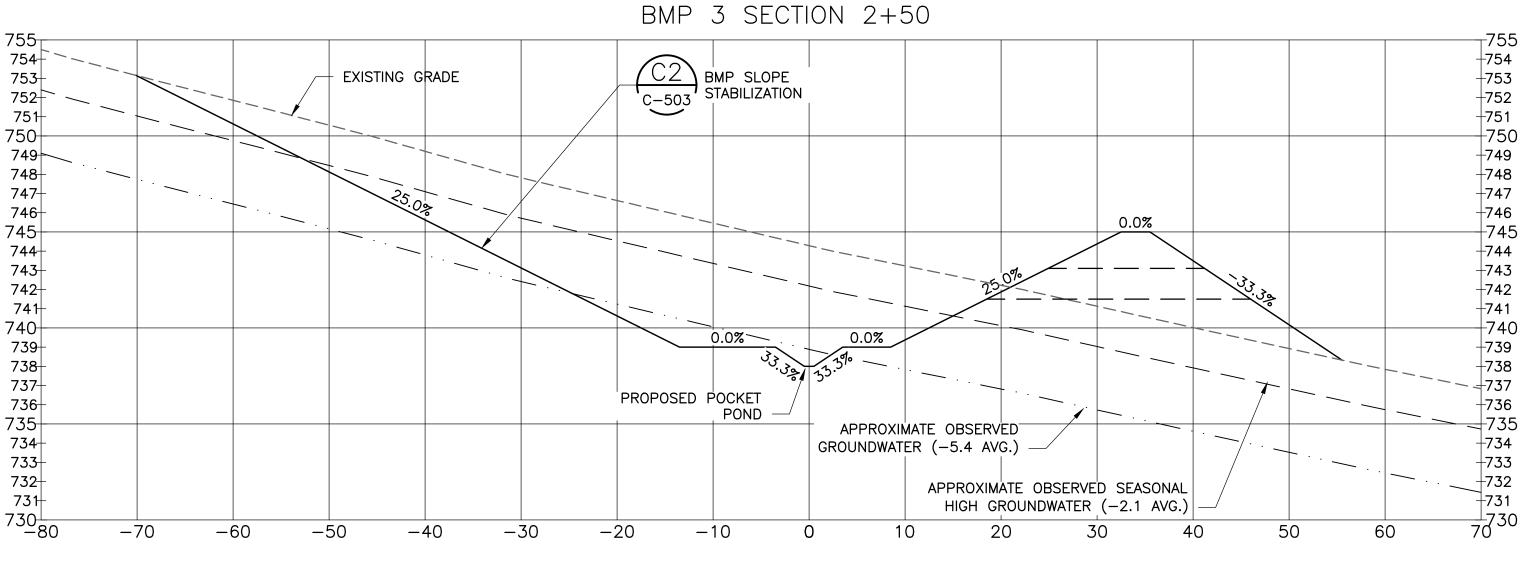
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- 2. TEST PITS WERE PERFORMED FOR EACH PROPOSED BMP, A SUMMARY TABLE OF THE RESULTS AND TEST PIT LOGS ARE INCLUDED WITH THE SWPCP.

BMP 4A SECTION 1+75



BMP 3 SECTION 3+50





VERTICAL SCALE IN FEET

HORIZONTAL SCALE IN FEET

Wood.

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OAD.	6	02/28/20	ISSUED FOR CONSTRUCTION	DAA	RJB
	8	09/06/19	ISSUED FOR CLIENT REVIEW	DAA	RJB
	7	08/05/19	ISSUED FOR TOWN REVIEW	DAA	RJB
	9	12/19/18	ISSUED FOR CONSTRUCTION	DAA	RJB
	5	11/30/18	PLAN REVISIONS	DAA	RJB
	4	10/18/18	PLAN REVISIONS	DAA	RJB
	3	08/27/18	ISSUED FOR PERMITTING/NOT FOR CONSTRUCTION	DAA	RJB
	2	04/12/18	REWISED SUBMISSION	DAA	RJB
	1	09/29/17	UPDATED STORMWATER DESIGN	DAA	RJB
	REVISION	DATE	ISSUE / REVISION DESCRIPTION	ISSUED	APPROVED

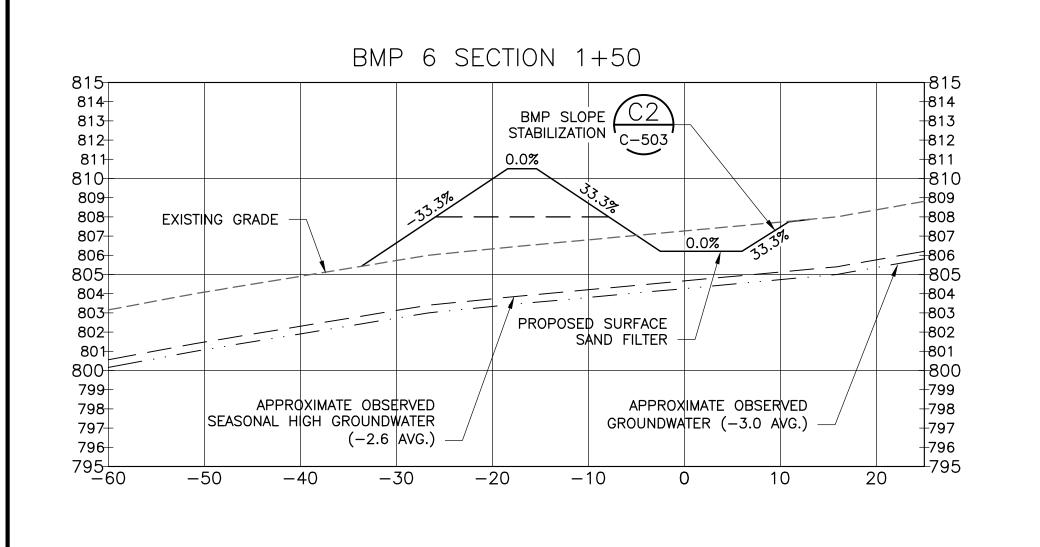
AMERI Green · Clean

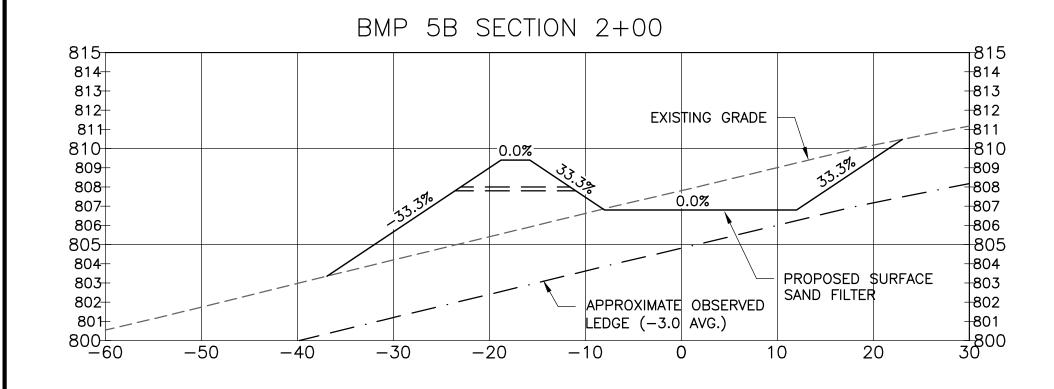


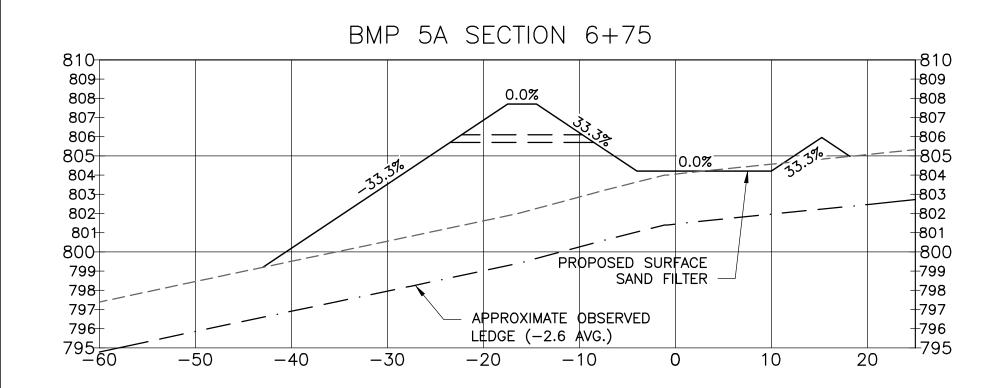
CHECKED BY: SCALE: DAA/GAA AS SHOWN ROJECT NUMBER: DRAWING NUMBER:

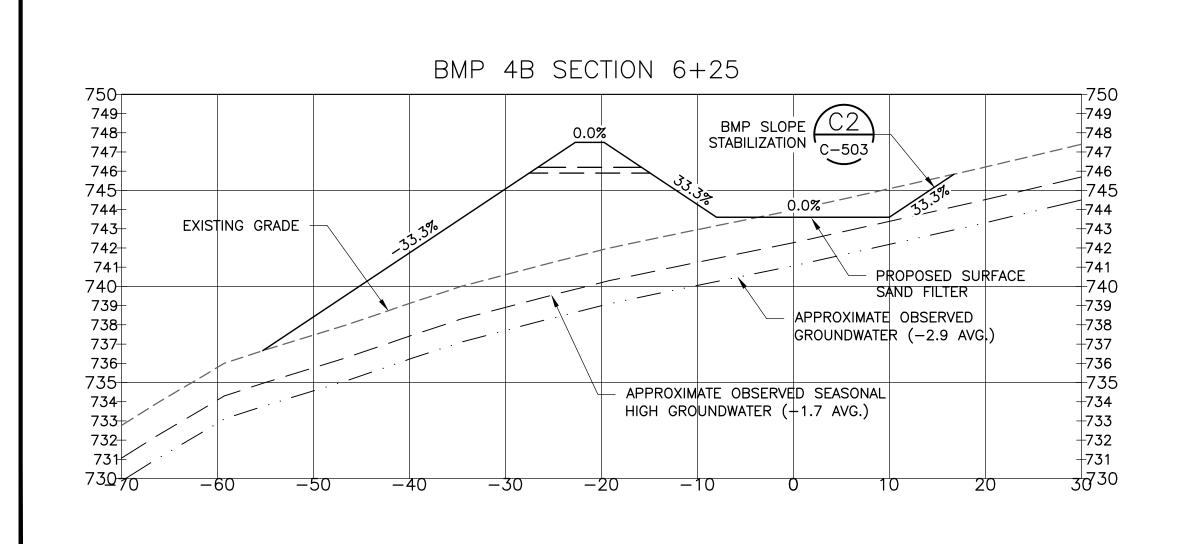
C-301 SHEET NUMBER: 27 OF 43

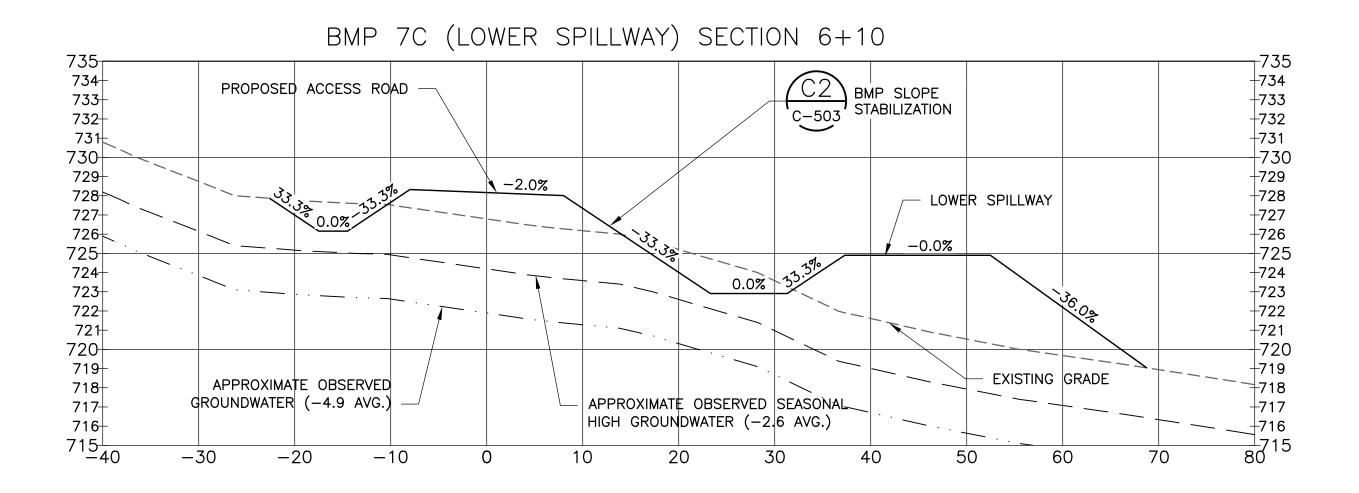
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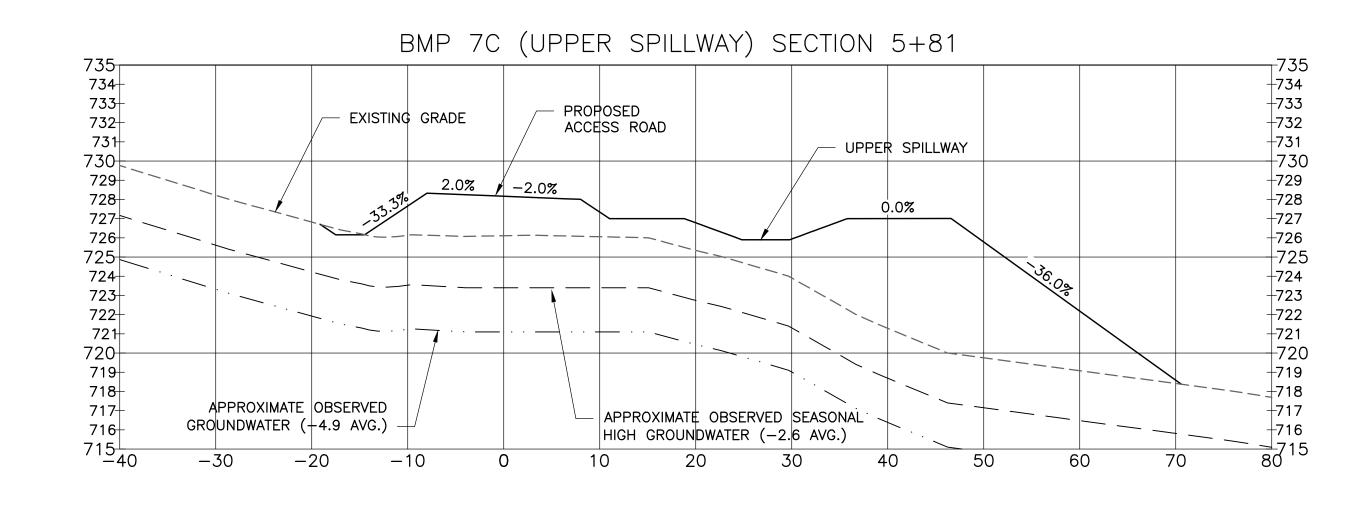


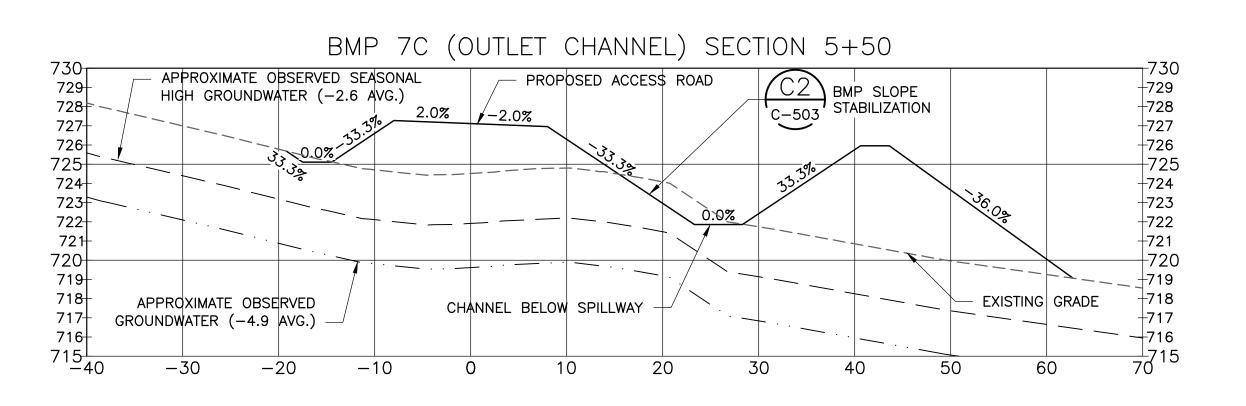


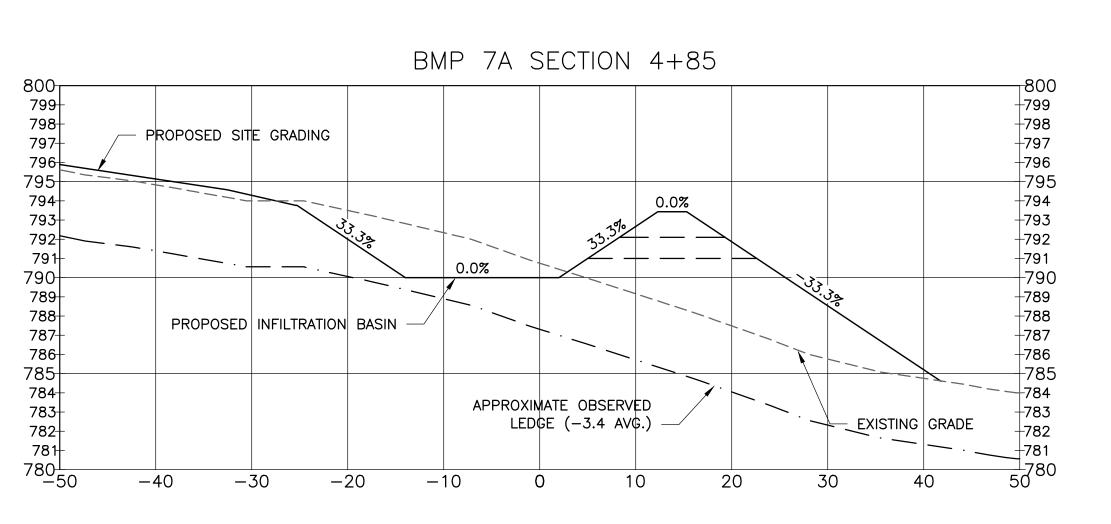












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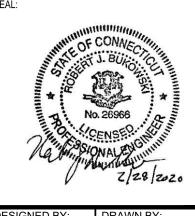




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| DAA | PABE | P

CANDLEWOOD
SOLAR LLC
AMERESCO

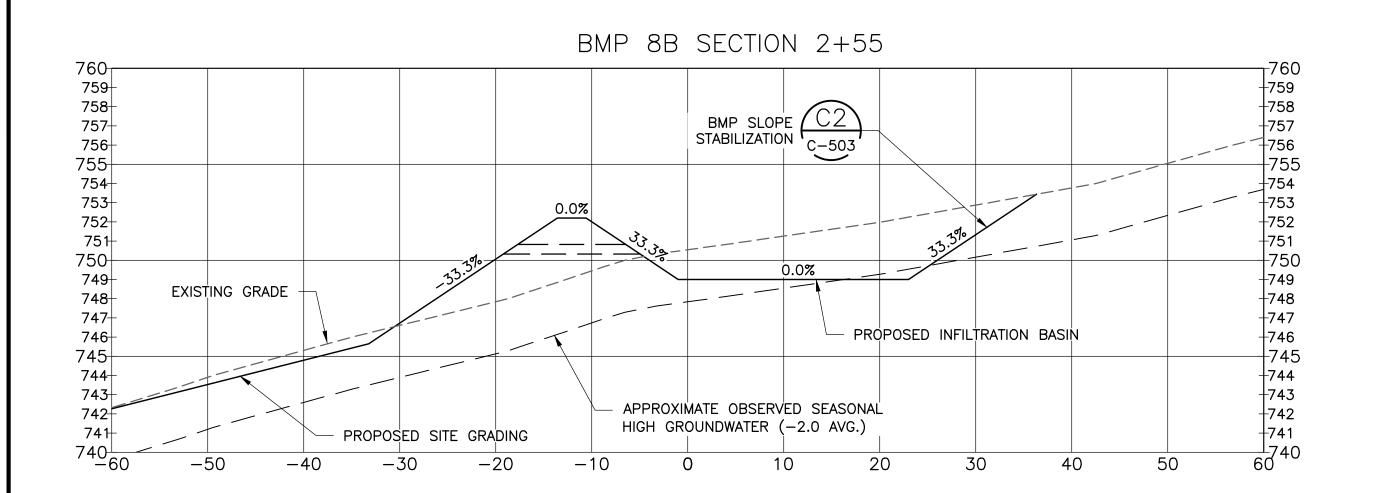


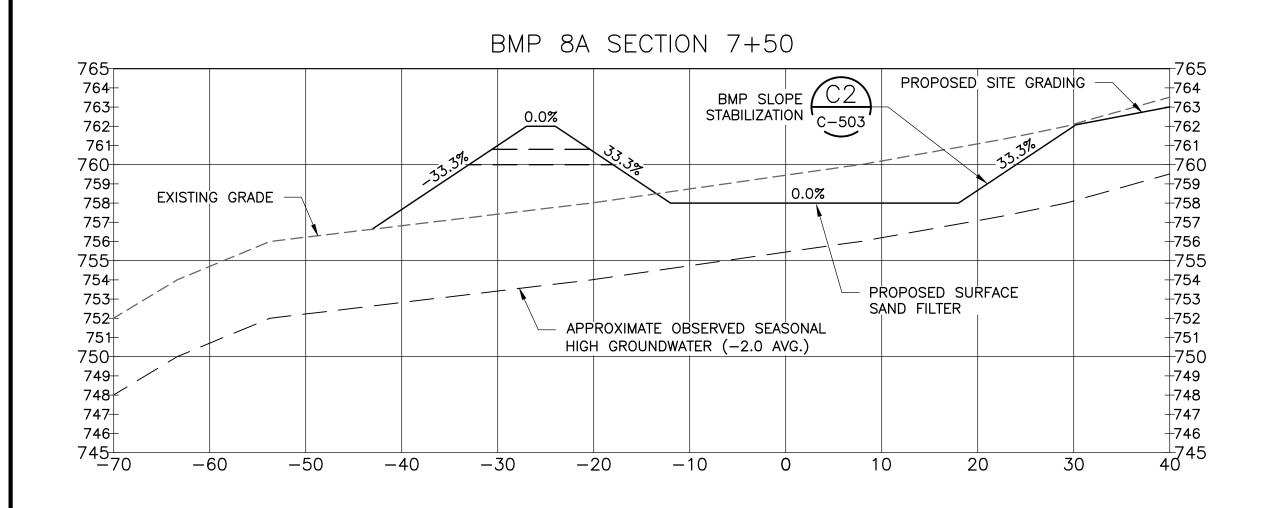
DESIGNED BY:
MRC
RR
CHECKED BY:
DAA/GAA
PROJECT NUMBER:
3652160082

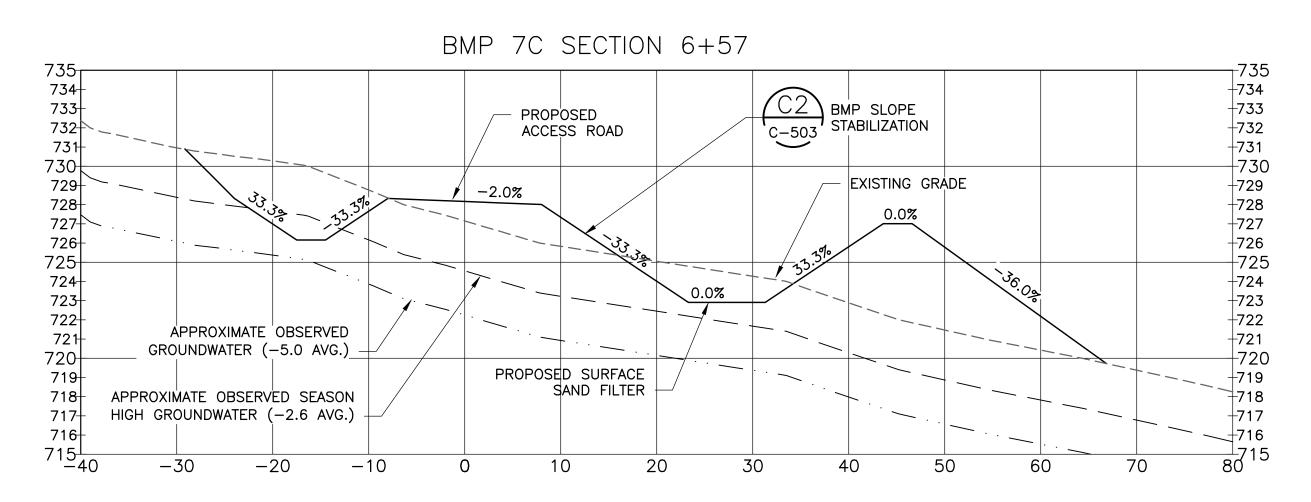
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C-302

28 **OF 43**

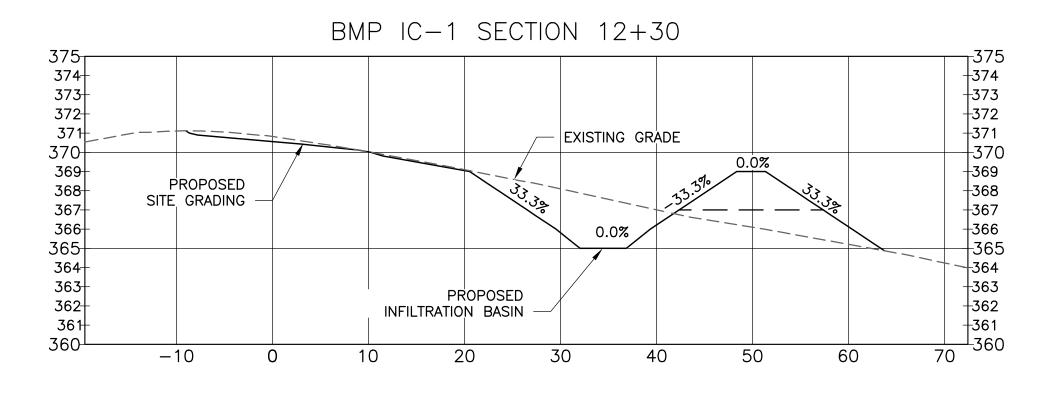


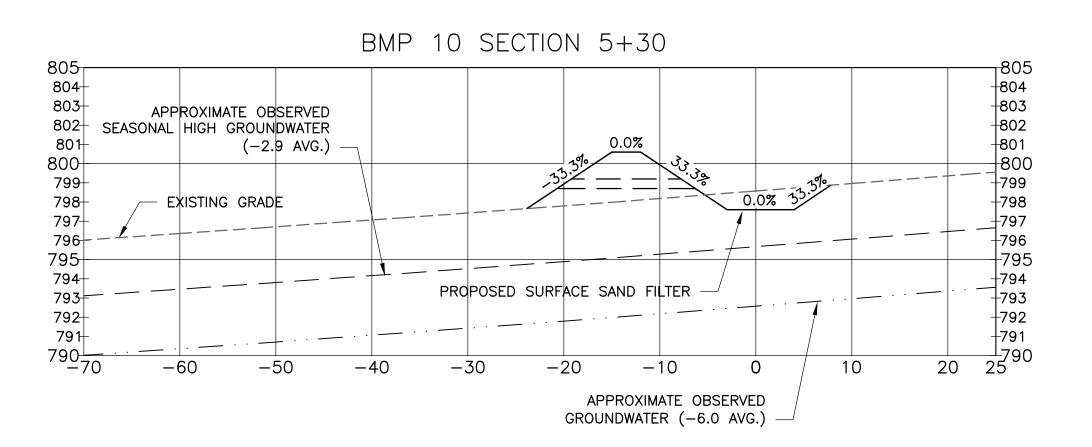


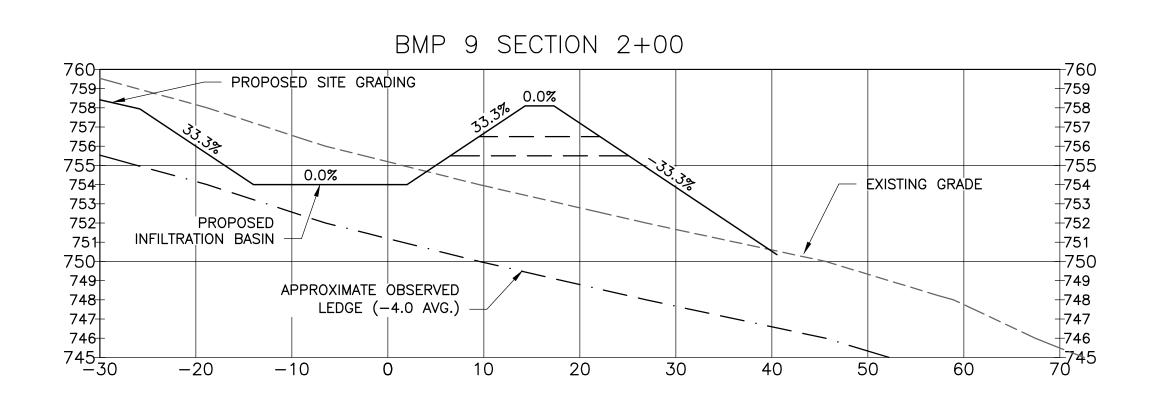


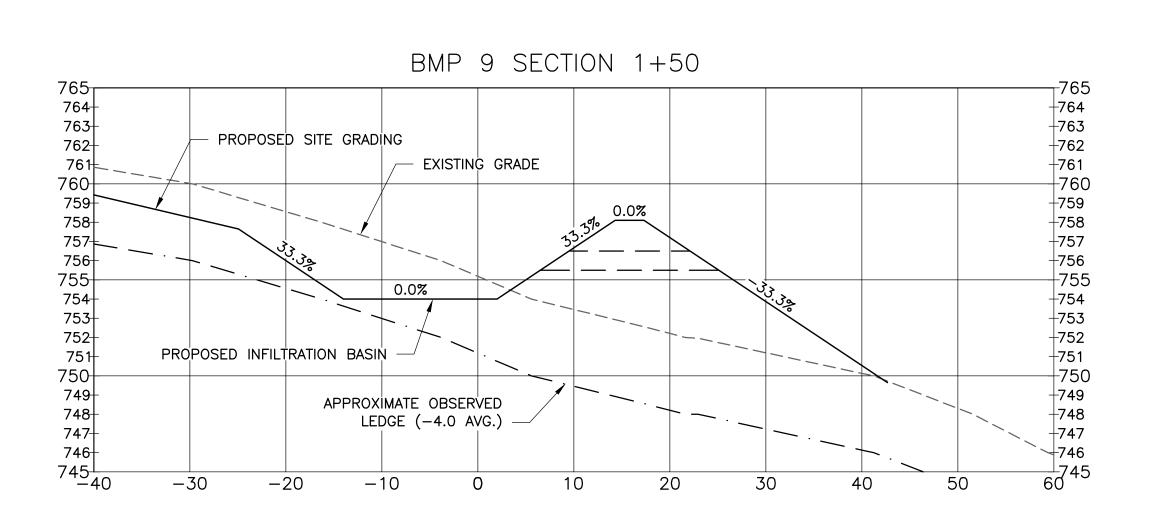
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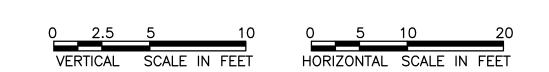








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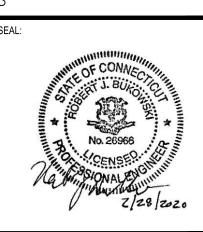
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		RJB	RJB	RJB	RJB	RJB	RJB	RJB	RJB	RJB	APPROVED
		DAA	DAA	DAA	DAA	DAA	DAA	DAA	DAA	DAA	ISSUED
		ISSUED FOR CONSTRUCTION	ISSUED FOR CLIENT REVIEW	ISSUED FOR TOWN REVIEW	ISSUED FOR CONSTRUCTION	PLAN REVISIONS	PLAN REVISIONS	ISSUED FOR PERMITTING/NOT FOR CONSTRUCTION	REVISED SUBMISSION	UPDATED STORMWATER DESIGN	ISSUE / REVISION DESCRIPTION
		02/28/20	09/06/19	08/05/19	12/19/18	11/30/18	10/18/18	08/27/18	04/12/18	09/29/17	DATE
		6	8	2	9	2	4	3	2	1	REVISION
		OAD									

CANDLEWOOD SOLAR PROJECT
CANDLEWOOD MT. ROAD AND KENT RC
NEW MILFORD, CONNECTICUT

CANDLEWOOD SOLAR LLC



DESIGNED BY:
MRC
RR
CHECKED BY:
DAA/GAA
PROJECT NUMBER:
3652160082

DRAWING NUMBER:

C-303

SHEET NUMBER:

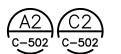
29 OF 43

EROSION AND SEDIMENTATION CONTROL GENERAL NOTES:

- 1. PROVIDE, INSPECT, AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS AND STANDARDS, INCLUDING BUT NOT LIMITED TO THE CTDEEP GUIDELINES FOR EROSION AND SEDIMENTATION CONTROL (2002).
- 2. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO INITIATING EARTH DISTURBANCE ACTIVITIES (SEE DRAWING C-117 FOR PHASING).
- 3. INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION. AT A MINIMUM, INSPECT CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER 0.5 INCH RAIN EVENTS.
- 4. AMEND OR PROVIDE ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AS NECESSARY.
- 5. REMOVE TEMPORARY CONTROL MEASURES ONCE THE SITE IS ADEQUATELY STABILIZED.
- . ALTERNATE LOCATIONS FOR THE TEMPORARY FACILITIES AND CONTROLS SHOWN MAY BE SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- 7. REMOVE, RELOCATE, AND REINSTALL TEMPORARY FACILITIES AND CONTROLS THROUGHOUT CONSTRUCTION AS NEEDED TO COORDINATE WITH THE SEQUENCE AND PROGRESSION OF WORK.
- 8. DURING CONSTRUCTION THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO SCHEDULE EARTHWORK OPERATIONS SUCH THAT THE AREA OF EXPOSED AND DISTURBED SOIL IS MINIMIZED. CONSTRUCTION SHALL BE PHASED TO REDUCE THE AREA OF DISTURBED SOIL AT ANY ONE TIME (SEE DRAWING C-117 FOR PHASING). UPGRADIENT STORMWATER DIVERSION AND DISPERSION MEASURES SHALL BE INSTALLED WHERE APPROPRIATE. AFTER ACHIEVING ROUGH GRADE OF A PORTION OF THE SITE AND PRIOR TO EXTENDING EARTHWORK OPERATIONS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING UNTIL FINAL GRADE IS REACHED. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION. THE FOLLOWING MEASURES SHALL BE UNDERTAKEN TO PROVIDE PROTECTION TO THE SOIL, WATER, AND ABUTTING LANDS:
- 9. PRIOR TO GRUBBING OR ANY EARTH MOVING OPERATION, SILT FENCE, STRAW WATTLES, OR EROSION CONTROL MULCH BERM'S SHALL BE INSTALLED ACROSS THE SLOPE ON THE CONTOUR AT THE DOWNHILL LIMIT OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION. INSTALL ANY NECESSARY STORMWATER DIVERSIONS AND DISPERSION MEASURES. IN AREAS OF SHALLOW LEDGE, STRAW WATTLES MAY BE USED IN PLACE OF SILT FENCE.
- 10. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN SEVEN CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY SLOPE PROTECTION MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS INCLUDING STOCKPILES WITHIN SEVEN CALENDAR DAYS OF EXPOSURE OF SOIL OR FORMATION OF STOCKPILES.
- 11. ANY EXPOSED SLOPES AT OR GREATER THAN 8% AND NEWLY CONSTRUCTED DRAINAGE SWALES SHALL BE STABILIZED WITH EROSION CONTROL BLANKET OR HYDROSEED WITH POLYMER TO PREVENT EROSION DURING CONSTRUCTION AND TO FACILITATE REVEGETATION AFTER TOPSOILING AND PERMANENT TURF REINFORCEMENT.
- 12. IF REQUIRED, IN AREAS OF CONSTRUCTION DEWATERING, PUMP DISCHARGE SEDIMENT DEVICES SHALL BE UTILIZED ADJACENT TO THE ACTIVITY. SEDIMENT TRAPS TO INCLUDE DIRT BAGS, OR OTHER SIMILAR DEVICES THAT DO NOT REQUIRE ADDITIONAL SOILS DISTURBANCES SHALL BE CONSTRUCTED AS SHOWN ON THE DETAIL DRAWINGS. THE PROJECT SWPCP SHALL BE STRICTLY ADHERED TO AND DISPOSAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
- 13. INTERCEPTED SEDIMENT SHALL BE REMOVED AND SHALL BE DEPOSITED TO AN AREA THAT SHALL NOT CONTRIBUTE TO SEDIMENT OFF—SITE AND CAN BE PERMANENTLY STABILIZED.
- 14. ADDITIONAL EROSION CONTROL METHODS SHALL BE IMPLEMENTED IF CONSTRUCTION OCCURS AFTER NOVEMBER 15TH. ALL DISTURBED AREAS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE. PRIOR TO FREEZING, ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS APPROPRIATE. INSPECTION OF THESE EROSION CONTROL ITEMS SHALL BE FREQUENT, WITH PARTICULAR ATTENTION PAID TO WEATHER PREDICTIONS TO ENSURE THAT THESE MEASURES ARE PROPERLY IN PLACE TO HANDLE LARGE QUANTITIES OF RUNOFF RESULTING FROM HEAVY RAINS OR EXCESSIVE THAWS.
- 15. ANY PROJECT AREA RECEIVING CHANNELIZED RUNOFF FOR UPLAND UNDISTURBED AREAS SHALL RECEIVE AN EARTHEN DIVERSION BERM. RUNOFF FLOWS SHALL BE DISCHARGED TO ENERGY DISSIPATORS AND UNDISTURBED AREAS.

INSPECTION AND MAINTENANCE:

- 1. SEDIMENTATION AND EROSION CONTROL STRUCTURES SHALL BE INSPECTED DAILY BY A QUALIFIED INSPECTOR AND ALL STRUCTURES DAMAGED BY CONSTRUCTION EQUIPMENT, VANDALS, OR THE ELEMENTS SHALL BE REPAIRED IMMEDIATELY. FOLLOWING RAINSTORMS AND DURING RUNOFF EVENTS, THE SITE AND ALL STRUCTURES SHALL BE INSPECTED FOR EROSION AND DAMAGE. ALL DAMAGED STRUCTURES SHALL BE REPAIRED AND/OR ADDITIONAL EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO CONTINUING THE CONSTRUCTION.
- 2. SITE STABILIZATION PRACTICES SHALL BE IMPLEMENTED WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WHEN FINAL GRADES ARE REACHED. AFTER THE CONSTRUCTION INSPECTOR HAS DETERMINED THAT THE PROJECT AREA IS STABILIZED, THE CONTRACTOR SHALL REMOVE ALL SILT FENCE, TEMPORARY SILT CONTROL RISERS, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURES.
- 3. FOLLOWING THE FINAL SEEDING, THE SITE SHALL BE INSPECTED TO ENSURE THAT THE VEGETATION HAS BEEN ESTABLISHED. RESEEDING SHALL BE CARRIED OUT, WITH FOLLOW-UP INSPECTION, IN THE EVENT OF ANY UNSATISFACTORY GROWTH. AFTER THE CONSTRUCTION INSPECTOR HAS DETERMINED THAT THE PROJECT AREA HAS STABILIZED, THE CONTRACTOR SHALL REMOVE ALL SILT FENCE, TEMPORARY SILTATION CONTROL RISERS, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURES.
- 4. SILT FENCE/STRAW WATTLE (A2) (C2)



- SILT FENCE SHALL BE INSPECTED IMMEDIATELY FOLLOWING ANY RAINFALL EVENT (1/2-INCH OR MORE) AND AT LEAST DAILY DURING PROLONGED RAINFALL. OTHERWISE, INSPECTION SHALL BE WEEKLY, AT A MINIMUM.
- NECESSARY REPLACEMENT/REPAIRS SHALL BE PERFORMED IMMEDIATELY.
- SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF THE SILT FENCE WHEN IT HAS REACHED A DEPTH OF ONE HALF THE BARRIER HEIGHT, OR ½ THE HEIGHT OF THE INSTALLED WATTLE HEIGHT.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.
- DEVICES NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION SHALL ALSO BE REPAIRED OR REPLACED AS REQUIRED.
- 2. STABILIZED CONSTRUCTION ENTRANCE $\frac{A1}{c-502}$



• THE ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO IMPERVIOUS SURFACES (E.G., PAVED ROADWAYS). THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP

- SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
- WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES.

3. TOPSOILING

- TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL DRAINAGE IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT IMPACT SHALL RESULT.
- THE STOCKPILE SHALL BE SEEDED AND STABILIZED IF IT IS LEFT DORMANT FOR 30 DAYS OR LONGER.
- NATIVE TOPSOIL SHALL BE SAMPLED, STOCKPILED, MULCHED, AND REUSED AS POSSIBLE ON THE SITE. SILT FENCE SHALL BE INSTALLED AT THE BASE OF STOCKPILES AT THE DOWNHILL LIMIT TO PROTECT AGAINST EROSION. STOCKPILES SHALL BE STABILIZED BY SEEDING AND MULCHING UPON FORMATION OF THE PILES. UPGRADIENT OF THE STOCKPILES, STABILIZED DITCHES AND/OR BERM'S SHALL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES.

4. SWALE

- SWALES SHALL BE CHECKED FOR DEBRIS THAT MAY OBSTRUCT FLOW. INSPECTIONS SHALL BE CONDUCTED MONTHLY DURING WET WEATHER CONDITIONS FROM MARCH TO NOVEMBER.
- THE SWALES SHALL BE INSPECTED ANNUALLY FOR EROSION, DESTABILIZATION OF SIDE SLOPES, EMBANKMENT SETTLING AND OTHER SIGNS OF STRUCTURAL FAILURE. CORRECTIVE ACTION SHALL BE TAKEN IMMEDIATELY UPON IDENTIFICATION OF PROBLEMS.

5. EROSION CONTROL MULCH BERM

- THE EROSION CONTROL MULCH BERM AND ASSOCIATED CONTROLS ARE TO BE INSPECTED
 AT THE END OF EVERY WORK DAY TO INSURE THE CRITERIA FOR INSTALLING HAS BEEN
 MET. MAINTENANCE REQUIRED SHOULD BE MINIMAL.
- EROSION CONTROL MULCH BERM TO BE INSTALLED DOWNGRADIENT OF THE PERIMETER SILT FENCE.

TEMPORARY SEDIMENT TRAP

- PROTECT AREAS FROM FOOT AND VEHICULAR TRAFFIC.
- INSPECT SEDIMENT TRAP AT LEAST ONCE PER WEEK, AND AFTER A STORM EVENT WITH A RAIN EVENT WITH A RAINFALL OF 0.5—INCH OR GREATER.
- SEDIMENT REMOVAL IS REQUIRED WHEN ACCUMULATED SEDIMENT REACHES 50% OF THE REQUIRED WET STORAGE VOLUME.

STONE CHECK DAM $\frac{A}{c-s}$

- PROTECT AREAS FROM FOOT AND VEHICULAR TRAFFIC.
- INSPECT STONE CHECK DAMS AT LEAST ONCE PER WEEK, AND AFTER A STORM EVENT WITH
- A RAIN EVENT WITH A RAINFALL OF 0.5—INCH.

 SEDIMENT REMOVAL IS REQUIRED WHEN ACCUMULATED SEDIMENT REACHES HALF THE HEIGHT
- SEDIMENT REMOVAL IS REQUIRED WHEN ACCUMULATED SEDIMENT REACHES HALF THE HEIG OF THE CHECK DAM.
- REPAIR THE STONE CHECK DAM WHEN EROSION OR OVERTOPPING OCCURS.
- STONE CHECK DAM TO BE INSTALLED WITHIN SWALES ON STEEP SLOPES.

8. TEMPORARY SEEDING

- PROTECT AREAS FROM FOOT AND VEHICULAR TRAFFIC.
- INSPECT THE GROWTH OF TEMPORARY SEED AT LEAST ONCE PER WEEK, AND AFTER A STORM EVENT WITH A RAIN EVENT WITH A RAINFALL OF 0.5—INCH OR GREATER.
- IMMEDIATELY RE-SEED AND MULCH AREAS WHERE ESTABLISHMENT OF VEGETATION IS POOR OR EROSION IS OBSERVED.
- IRRIGATE AS NECESSARY TO PROVIDE SEED WITH ADEQUATE MOISTURE.

9. PERMANENT SEEDING

- PROTECT AREAS FROM FOOT AND VEHICULAR TRAFFIC.
- INSPECT AND MAINTAIN VEGETATED AREAS FOR AT LEAST ONE YEAR FOLLOWING COMPLETION OF CONSTRUCTION.
- INSPECT THE GROWTH OF PERMANENT SEED AT LEAST ONCE PER WEEK, AND AFTER A
- STORM EVENT WITH A RAIN EVENT WITH A RAINFALL OF 0.5—INCH OR GREATER.

 IMMEDIATELY RE—SEED AND MULCH AREAS WHERE ESTABLISHMENT OF VEGETATION IS POOR
- OR WHERE EROSION IS OBSERVED.

 IRRIGATE AS NECESSARY TO PROVIDE SEED WITH ADEQUATE MOISTURE.
- ALLOW A MAJORITY OF THE PLANTS TO ACHIEVE A HEIGHT OF AT LEAST 6-INCHES BEFORE
- THE FIRST MOWING. DO NOT MOW THE GRASS BELOW 3—INCHES.

10. MULCHING

- PROTECT AREAS FROM FOOT AND VEHICULAR TRAFFIC.
- INSPECT MULCH AT LEAST ONCE PER WEEK, AND AFTER A STORM EVENT WITH A RAIN EVENT WITH A RAINFALL OF 0.5—INCH OR GREATER UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- IMMEDIATELY APPLY ADDITIONAL MULCH WHERE SPARSE COVERAGE OR EROSION IS OBSERVED.

SEEDING AND REVEGETATION PLAN:

1. TEMPORARY SEEDING

- TEMPORARY SEEDING SHALL OCCUR WITHIN 72 HOURS OF FINAL GRADING AND IN A GIVEN AREA THAT MAY BE DISTURBED DURING LATER PHASES OF CONSTRUCTION.
- FOLLOWING CLEARING AND GRUBBING AND BEFORE THE ARRAY INSTALLATION, QUICK EROSION CONTROL COVER MIX (ERNST SEED MIX ERNMX-104 OR APPROVED EQUIVALENT) COMBINED WITH A FERTILIZER (TO BE DETERMINED FROM THE SOIL TESTING REQUIRED) AND POLYMER (FIRST STOP OR APPROVED EQUAL) SHALL BE INSTALLED. IN AREAS WITH STEEP SLOPES AND POOR SOILS.
- AS DIRECTED BY THE ENGINEER, CROWNVETCH SEEDING MIX (ERNST SEED MIX ERNMX-109 OR APPROVED EQUIVALENT) AND NATIVE STEEP SLOPE MIX WITH ANNUAL RYEGRASS (ERNST SEED MIX ERNMX-181 OR APPROVED EQUIVALENT) SHALL BE COMBINED WITH THE QUICK EROSION CONTROL SEED MIX (ERNST SEED MIX ERNMX-104 OR APPROVED EQUIVALENT).
- OF SMALL GRAIN STRAW MULCH AT A RATE OF 4 TONS/ACRE.

THE SEED/FERTILIZER/POLYMER MIX SHALL BE COVERED WITH A CONTINUOUS APPLICATION

- THE POLYMER SHALL BE REAPPLIED TO THE HAY MULCH, TO ENSURE THE SEED, HAY MULCH AND SOIL ARE STABILIZED.

 TELEBRADE TO THE POLYMER SHALL BE REAPPLIED TO THE HAY MULCH, TO ENSURE THE SEED, HAY MULCH AND SOIL ARE STABILIZED.
- TEMPORARY EROSION CONTROL BLANKETS, HYDROSEED WITH POLYMER, FLOCCULANTS, AND/OR SOIL STABILIZERS (ENVIROTAC II, POSI-SHELL, OR AN APPROVED EQUAL) MAY BE USED ON STEEP OR LONG SLOPES, AS DIRECTED BY THE ENGINEER, DURING CONSTRUCTION TO ENSURE THE SLOPES REMAIN STABLE.
- TEMPORARY SEEDING WILL CONTINUE ON ALL SLOPES WHICH SHOW EROSION THROUGHOUT CONSTRUCTION.

2. PERMANENT SEEDING:

- UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE TREATED AS STATED BELOW. THESE AREAS SHALL BE CLOSELY MONITORED BY A QUALIFIED INSPECTOR UNTIL SUCH TIME AS SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED.
- FERTILIZER REQUIREMENTS WILL BE DETERMINED THROUGH THE REQUIRED SOIL TESTING.
- DISTURBED AREAS SHALL BE SEEDED WITH SOLAR FARM SEED MIX (ERNST SEED MIX ERNMX-186 OR APPROVED EQUIVALENT), CONSERVATIVE SHADE MIX (ERNST SEED MIX ERNMX-129 OR APPROVED EQUIVALENT), OR AN APPROVED EQUAL.
- THE SEED MIX SHALL BE COMBINED WITH A FERTILIZER AND POLYMER (FIRST STOP OR APPROVED EQUAL).
- THE SEED/FERTILIZER/POLYMER MIX SHALL BE COVERED WITH A CONTINUOUS APPLICATION OF SMALL GRAIN STRAW MULCH AT A RATE OF 4 TONS/ACRE.
- MULCH SHALL BE ANCHORED BY WATERING OR TRACKING BY BULLDOZING FLAT AREAS, USING ANCHORING EMULSION OR TRACKING BY BULLDOZING ON AREAS OF MODERATE SLOPES AND INSTALLING APPROVED EROSION CONTROL BLANKETS OR HYDROSEED WITH POLYMER ON STEEP SLOPES (8% AND GREATER).
- SEEDING SHALL BE COMPLETED BETWEEN THE DATES OF APRIL 1 AND JUNE 15 AND AUGUST 15 THRU OCTOBER 1. WATERING MAY BE REQUIRED DURING THE DRY PERIODS.

ALL SEDIMENT CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 80% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

DUST CONTROL PROGRAM:

DUST CONTROL MEASURES SHALL BE IMPLEMENTED.

WATER: WATER SHOULD BE APPLIED AT A RATE SUFFICIENT ENOUGH TO MOISTEN EXPOSED SOIL TO PREVENT DUST TRANSPORT BUT NOT AT A RATE THAT PRODUCES ANY AMOUNT OF SILT—LADEN RUNOFF OR MUDDY POOLS IN THE TRAVEL WAY. WATER MAY ALSO BE USED AS A SPRAY DURING STOCKPILING AND/OR ROCK PROCESSING.

CALCIUM CHLORIDE: LIQUID OF FINE—FLAKED CALCIUM CHLORIDE MAY BE USED. CALCIUM CHLORIDE SHOULD NOT BE APPLIED ADJACENT TO WETLANDS, LAKES, POOLS OR OTHER NATURALLY SENSITIVE AREAS. LIMIT APPLICATION RATES TO 30% CALCIUM CHLORIDE OR AS RECOMMENDED BY MANUFACTURER.

STONE: COARSE GRAVEL SHOULD BE PLACED IN AREAS THAT ROUTINELY EXPERIENCE DUSTY CONDITIONS. USE ONLY CHEMICALLY STABLE AGGREGATES.

WINTER EROSION CONTROL

- 1. TEMPORARY SEEDING SHALL BE SPREAD OVER ANY DISTURBED AREAS WHICH WILL REMAIN INACTIVE FOR AT LEAST 30 DAYS. AREAS TO REMAIN DISTURBED DURING WINTER SHALL BE PROTECTED WITH NON-VEGETATIVE STABILIZATION MEASURES. THE CONTRACTOR MUST PROVIDE AN EROSION AND SEDIMENTATION CONTROL PLAN FOR EACH WINTER SEASON DURING CONSTRUCTION OPERATIONS.
- 2. RHINO SNOT OR APPROVED EQUAL IS CONSIDERED A NON-VEGETATIVE SOIL STABILIZER TO BE USED DURING WINTER CONSTRUCTION.

MAINTENANCE SCHEDULE:

- 1. ALL MAINTENANCE SHALL CONFORM TO THE APPROVED STORMWATER POLLUTION CONTROL PLAN INCLUDING THE SITE SPECIFIC OPERATION AND MAINTENANCE MANUAL.
- MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM, OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO ENSURE THEIR CONTINUOUS FUNCTION.
- 3. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL, IN THE SPRING, INSPECT AND REPAIR AND DAMAGES OR BARE SPOTS. AN ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 80% AREAS VEGETATED WITH VIGOROUS GROWTH. STABILIZATION SCHEDULE BEFORE WINTER:
- OCTOBER 1: ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED

 ALL SLOPES MUST BE STABILIZED, SEEDED AND MULCHED.

 ALL GRASS—LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR EROSION CONTROL BLANKET.
- OCTOBER 15: IF THE SLOPE IS STABILIZED WITH AN EROSION CONTROL BLANKET OR
 HYDROSEED WITH POLYMER AND SEEDED
 ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS MUST BE SEEDED AT
 A SEEDING RATE OF 3 POUNDS PER 1,000 SQUARE—FEET AND MULCHED.
- NOVEMBER 15: ALL STONE LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED
 SLOPES THAT ARE COVERED WITH RIP RAP MUST BE CONSTRUCTED BY THAT DATE.
- DECEMBER 1: ALL DISTURBED AREAS WHERE THE GROWTH OF VEGETATION FAILS TO BE AT LEAST 3-INCHES TALL OR AT LEAST 80% OF THE DISTURBED SOIL IS COVERED WITH VEGETATION, MUST BE PROTECTED OVER THE WINTER.

GROUND COVER:

AREAS IDENTIFIED ON THE GRADING AND EROSION & SEDIMENT CONTROL PLANS SHALL BE SUPPLEMENTED WITH SEED MIX AND GROUND COVER SOD AS PART OF PHASE I IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- 1. AREAS SHALL BE PREPARED BY TEMPORARILY REMOVING EXISTING COVER (LEAF DEBRIS) AND SCARIFYING THE TOPSOIL TO IMPROVE SEED TO SOIL CONTACT.
- 2. CONTRACTOR SHALL PLACE ONE ROW OF NATIVE GROUND COVER MAT AT THE BASE OF THE LIMIT OF WORK FOR THE LENGTH OF EACH AREA IDENTIFIED ON THE PLANS.
- 3. DOWNGRADIENT OF THE GROUND COVER MATTING, NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX SHALL BE APPLIED VIA HYDROSEEDING AT A RATE OF 40 LBS/ACRE.
- 4. FOLLOWING HYDROSEEDING THE EXCESS LEAF MATTER SHALL BE DISPERSED ALONG THE EDGES OF THE SEEDED AREA FOR STABILIZATION.
- 5. THESE AREAS SHALL BE INSPECTED DAILY DURING CONSTRUCTION FOR ESTABLISHMENT AND GROWTH AND REPAIRED IMMEDIATELY AS NEEDED.



ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. 271 MILL ROAD CHELMSFORD MASSACHUSETTS 01824 TELEPHONE: (978) 692-9090 FAX: (978) 692-6633

WEB: WWW.WOODPLC.COM

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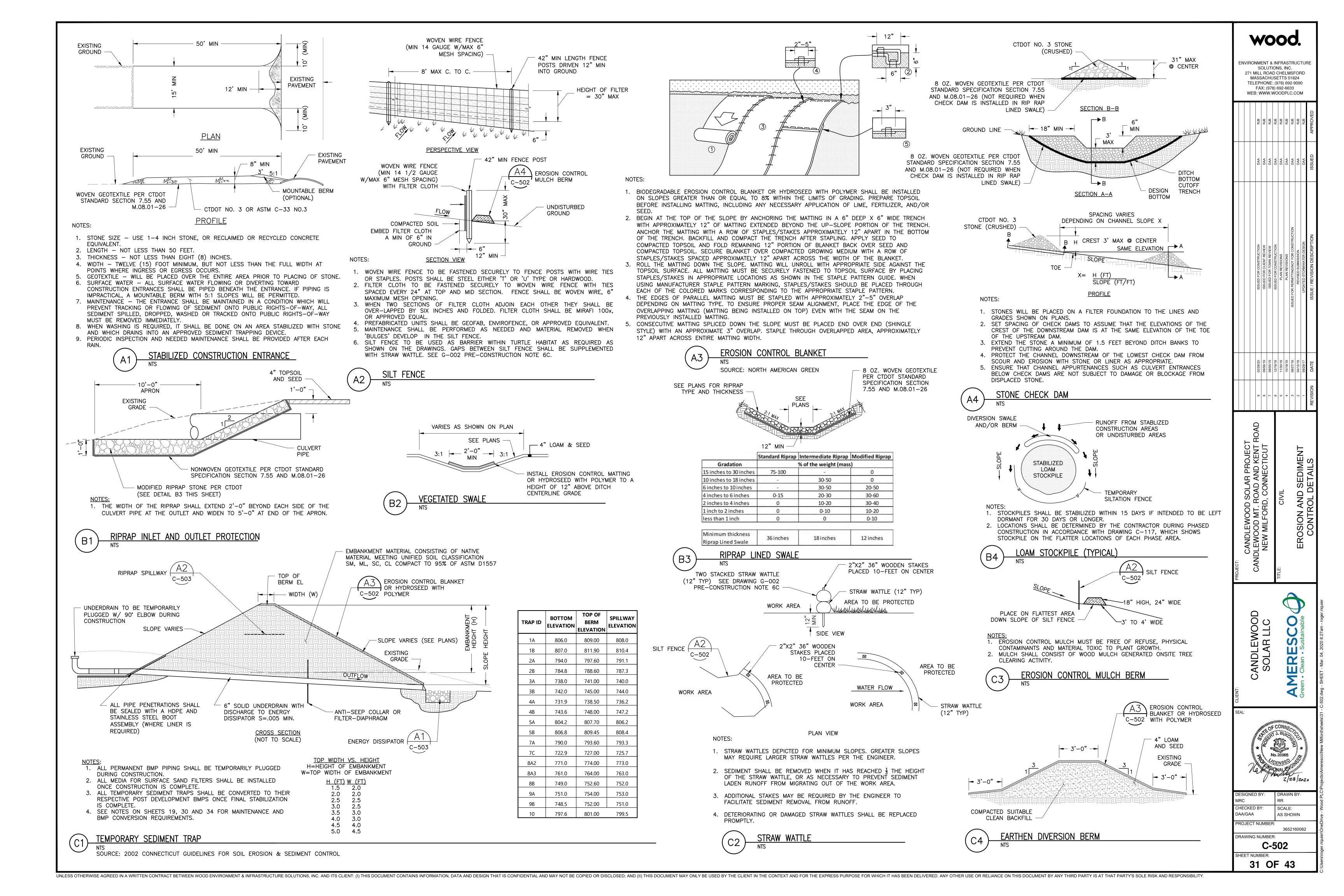
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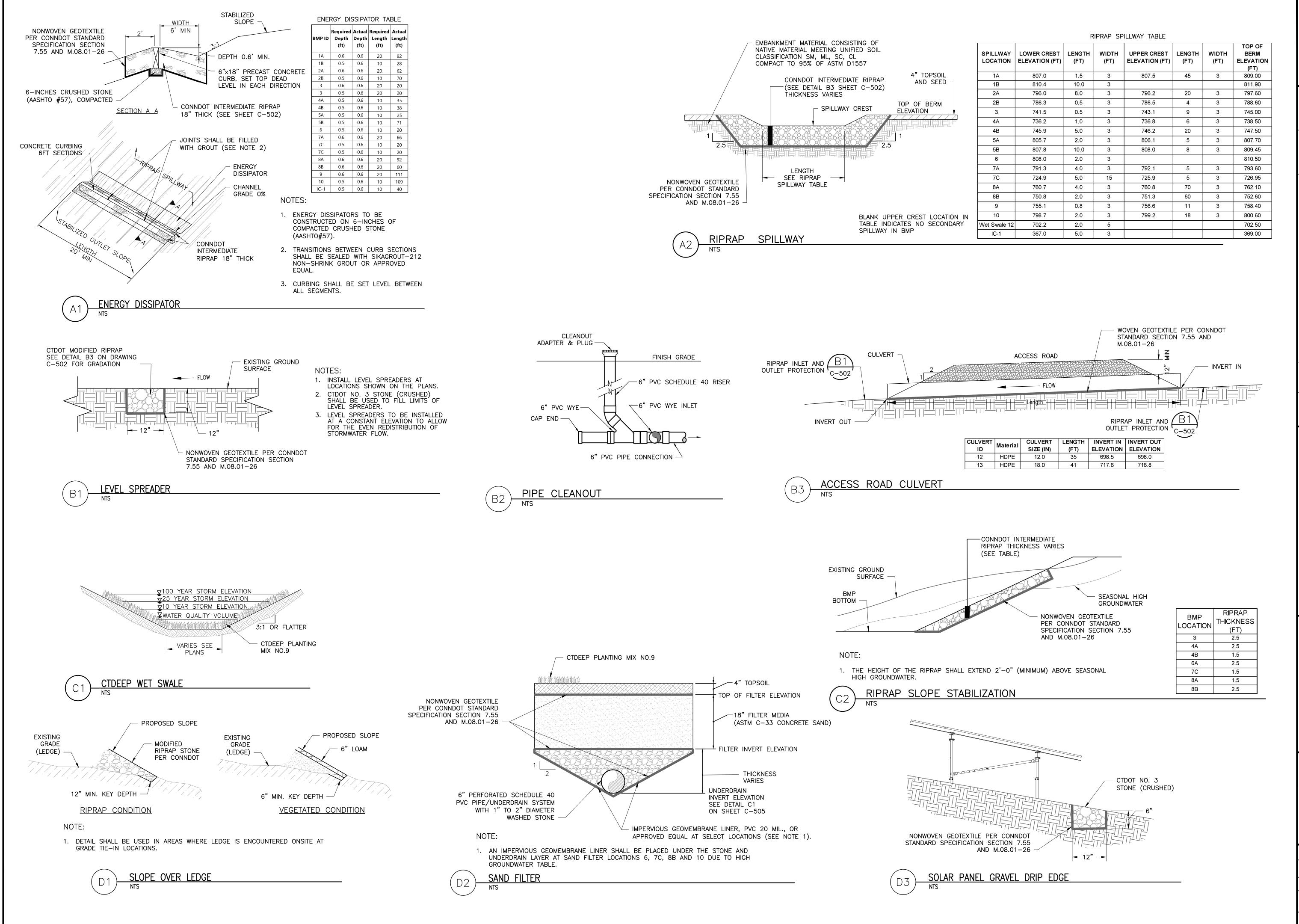
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CANDLEWOOD MT. ROAD AND KENT
NEW MILFORD, CONNECTICUT

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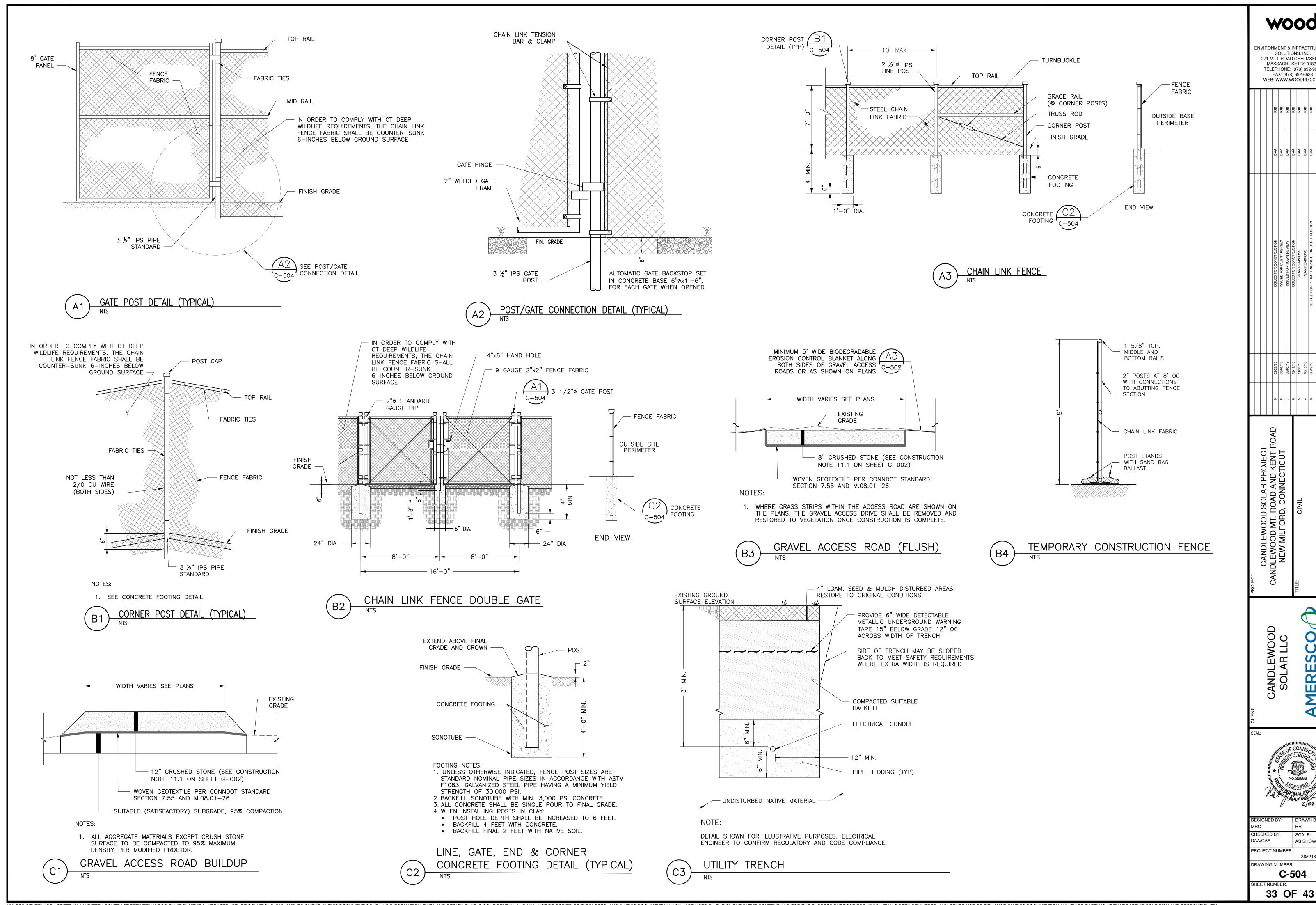
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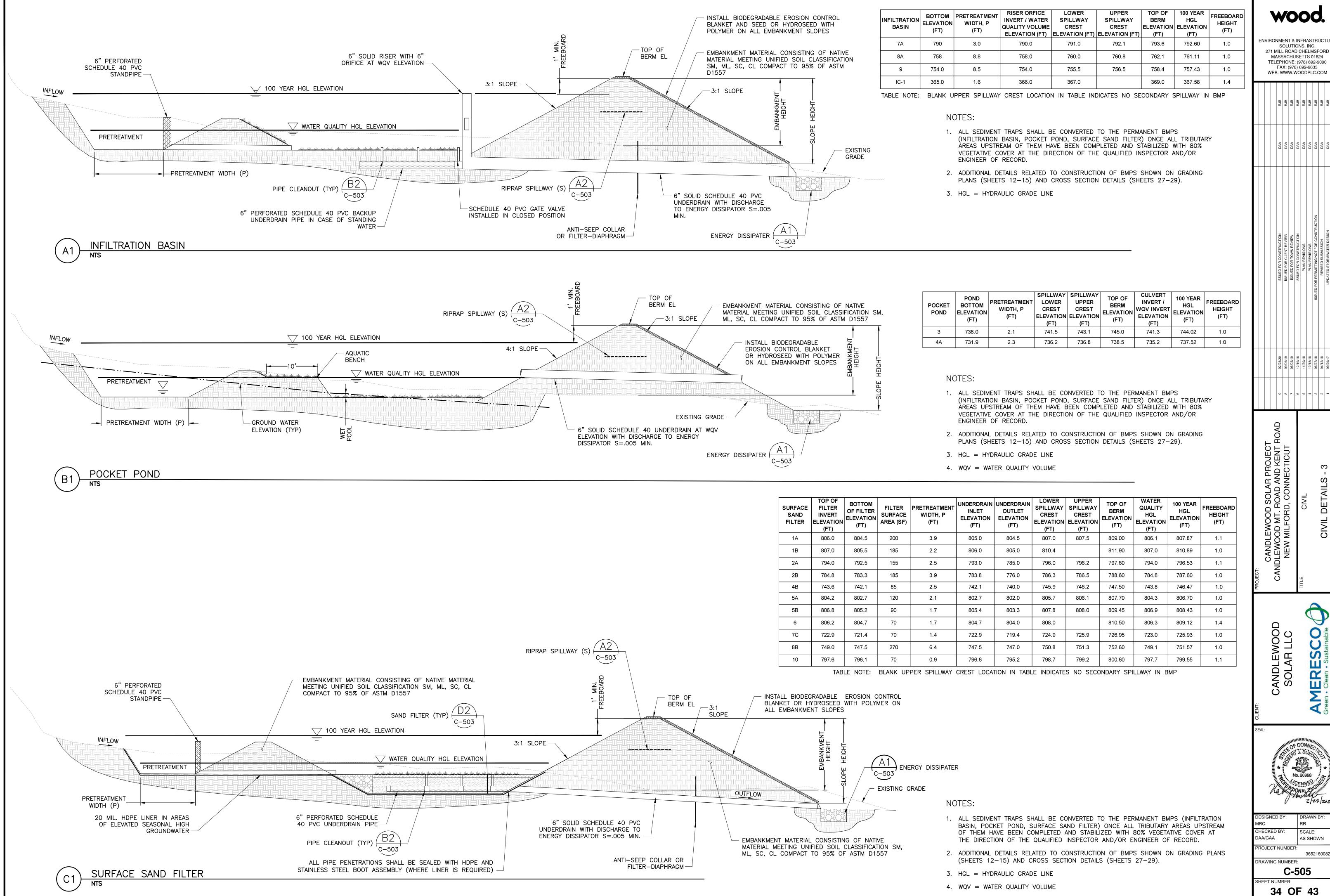
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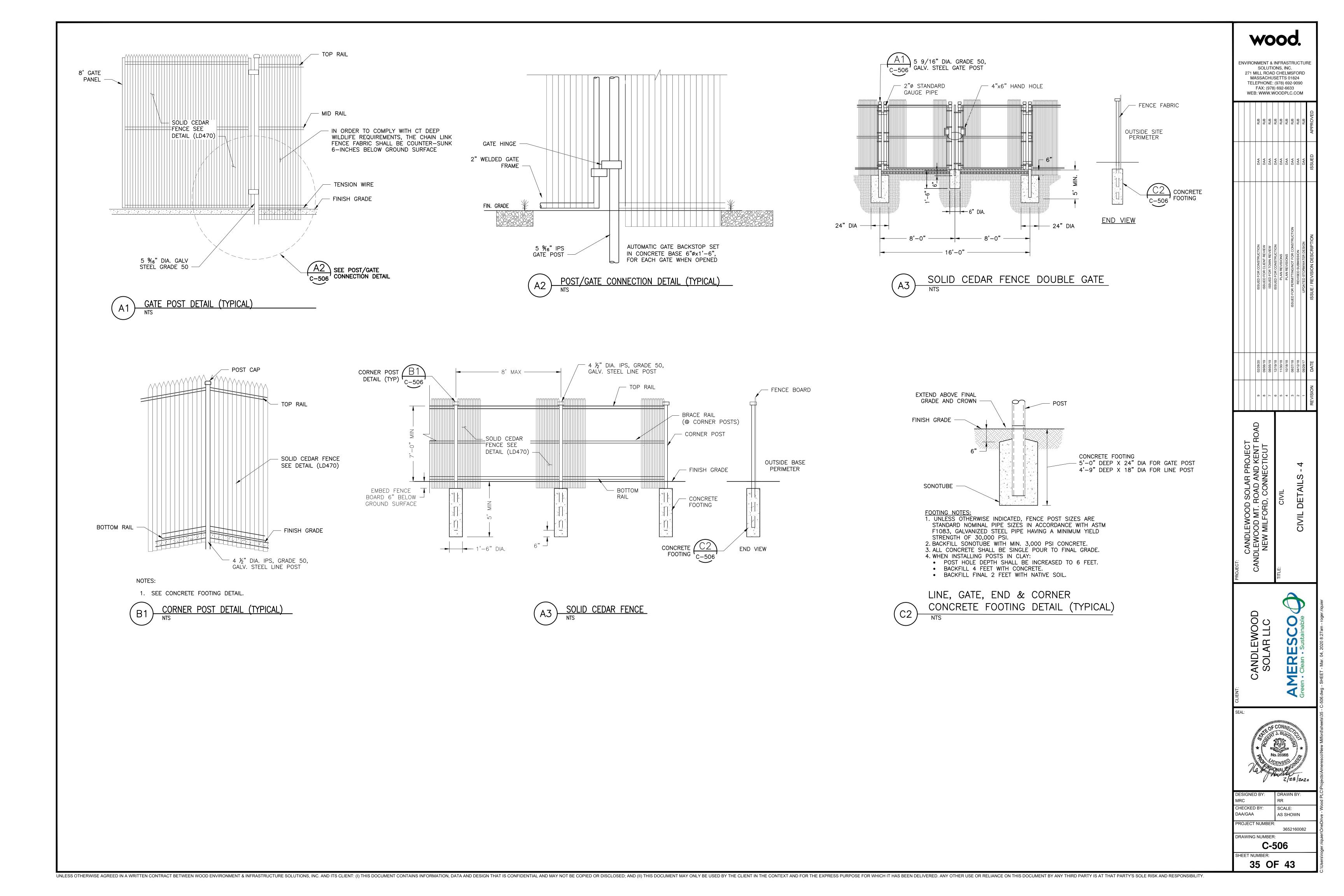
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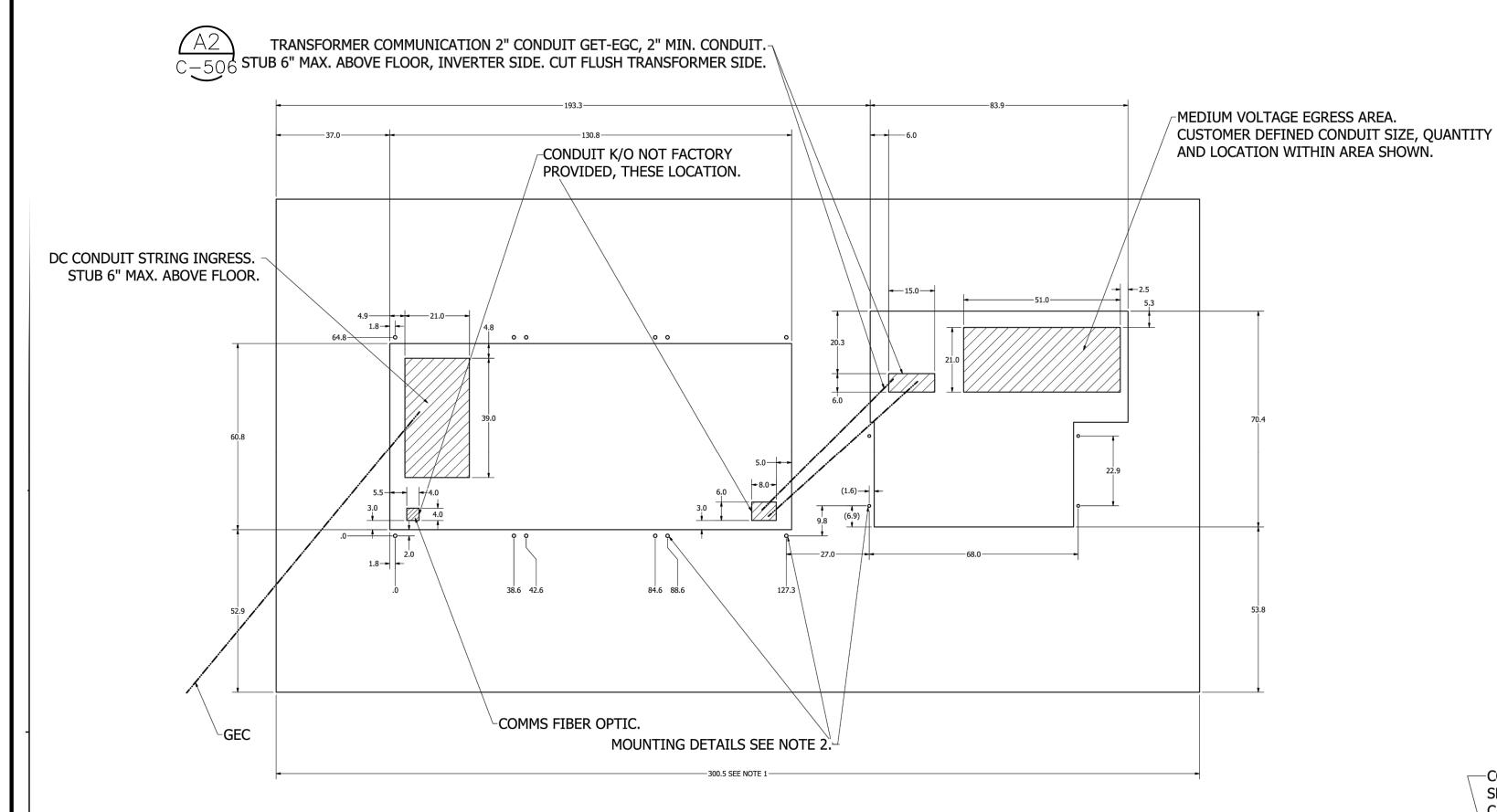
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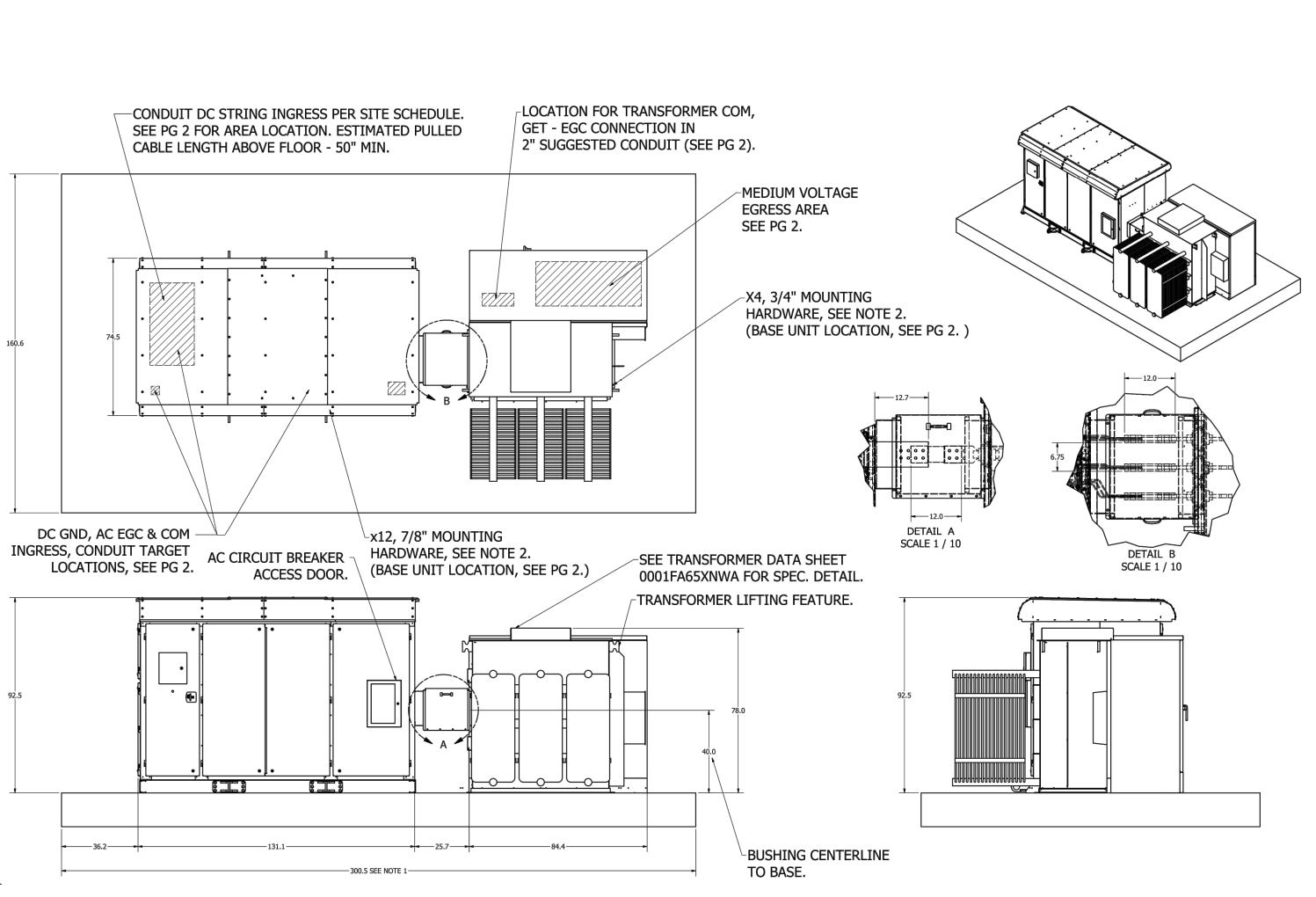
NOTES:

- 1. TRANSFORMER AND INVERTER PAD INFORMATION PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY. PAD STRUCTURAL DESIGN AND ELECTRICAL DESIGN BY OTHERS.
- 2. CONCRETE PAD DIMENSIONS SHOWN ARE SUGGESTED MINIMUM 3' FROM DOOR ACCESS, APPLICABLE CODES AND/OR CUSTOMER REQUIREMENTS SHALL SUPERSEDE PERIPHERAL DIMENSIONS INDICATED. SEE PAGE 1, NOTE 1.
- 3. MOUNTING HARDWARE LOCATIONS IN AREAS INDICATED. SEE PAGE 1, NOTE 2 FOR TYPES.
- 4. CONDUIT POWER I/O AND COMMUNICATION CONDUIT STUB LOCATIONS SHOWN AS REFERENCE FROM UNIT PLAN OUTLINE. SEE PAGE 1 FOR ADDITIONAL COMMENTS.



NOTES:

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- 2. CONCRETE PAD REINFORCED CONCRETE TO COMPLY WITH APPLICABLE CODES.
- 3. MOUNTING HARDWARE INSTALLER TO SUPPLY GRADE 5 CAP SCREWS WITH ASTM F436 STRUCTURAL GRADE ZINC PLATED THICK WASHER. SEE NOTES ON EACH UNIT FOR QUANTITY AND DIAMETER (IN TOP VIEW, ABOVE). LENGTH AND ANCHOR TYPES TO BE DETERMINED BY INSTALLER SITE ENGINEER.
- 4. ESTIMATED WEIGHTS: PXS UNIT, 12,000 LBS. (5443 kg); TRANSFORMER, 12,860 LBS. (5833 kg).



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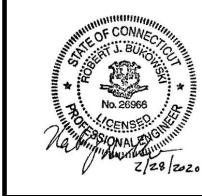
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CANDLEWOOD SOLAR PROJECT
CANDLEWOOD MT. ROAD AND KENT ROAD
NEW MILFORD, CONNECTICUT
CIVIL
TRANSFORMER AND INVERTER
PAD DETAILS

CANDLEWOOD SOLAR LLC

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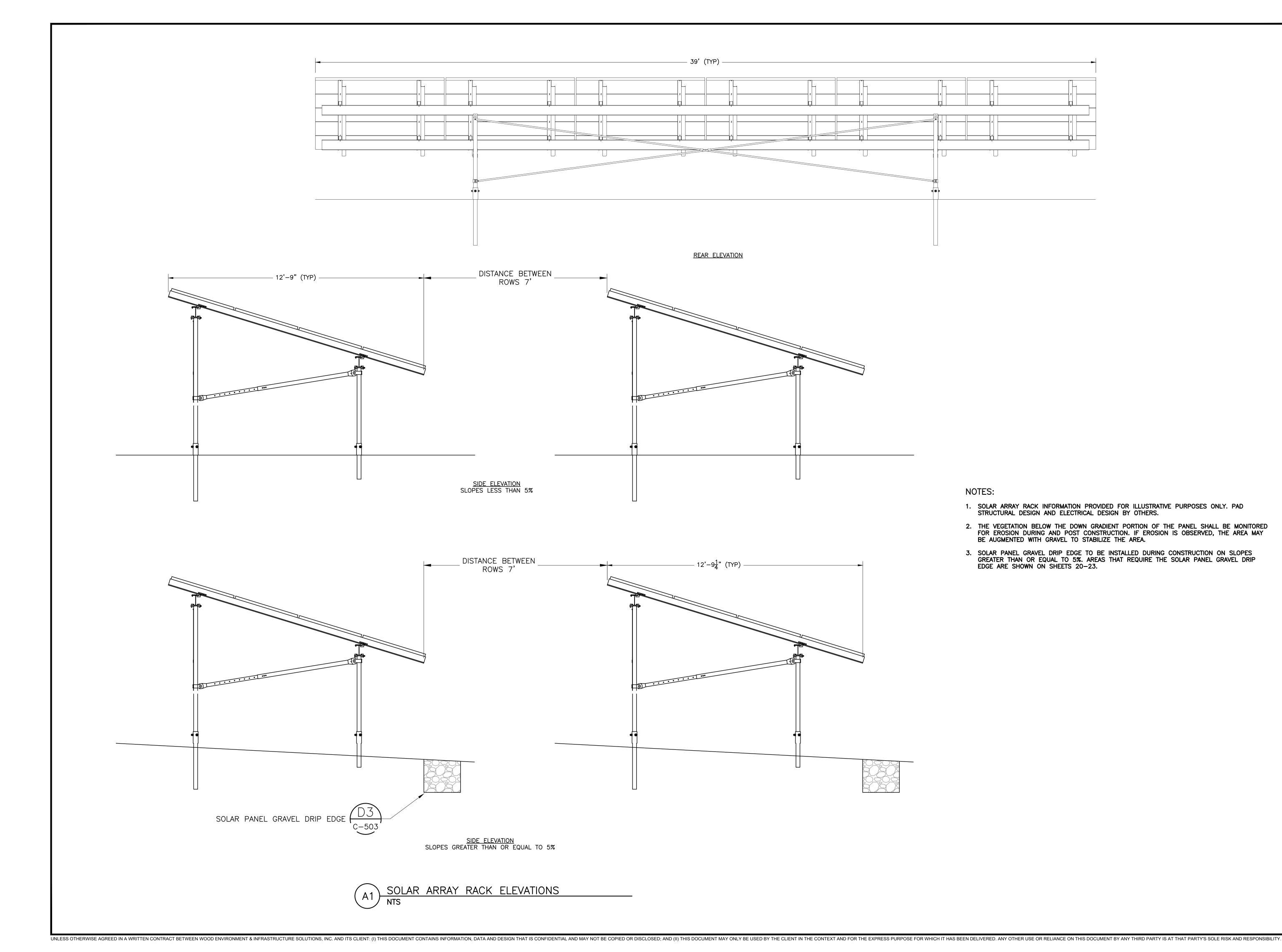
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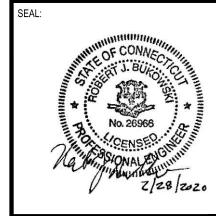
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100 Great Meadow Road Suite 200 Wethersfield, CT 06109 860.807.4300

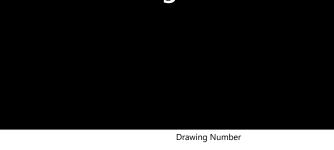


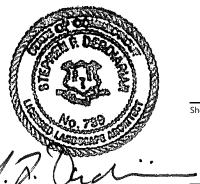
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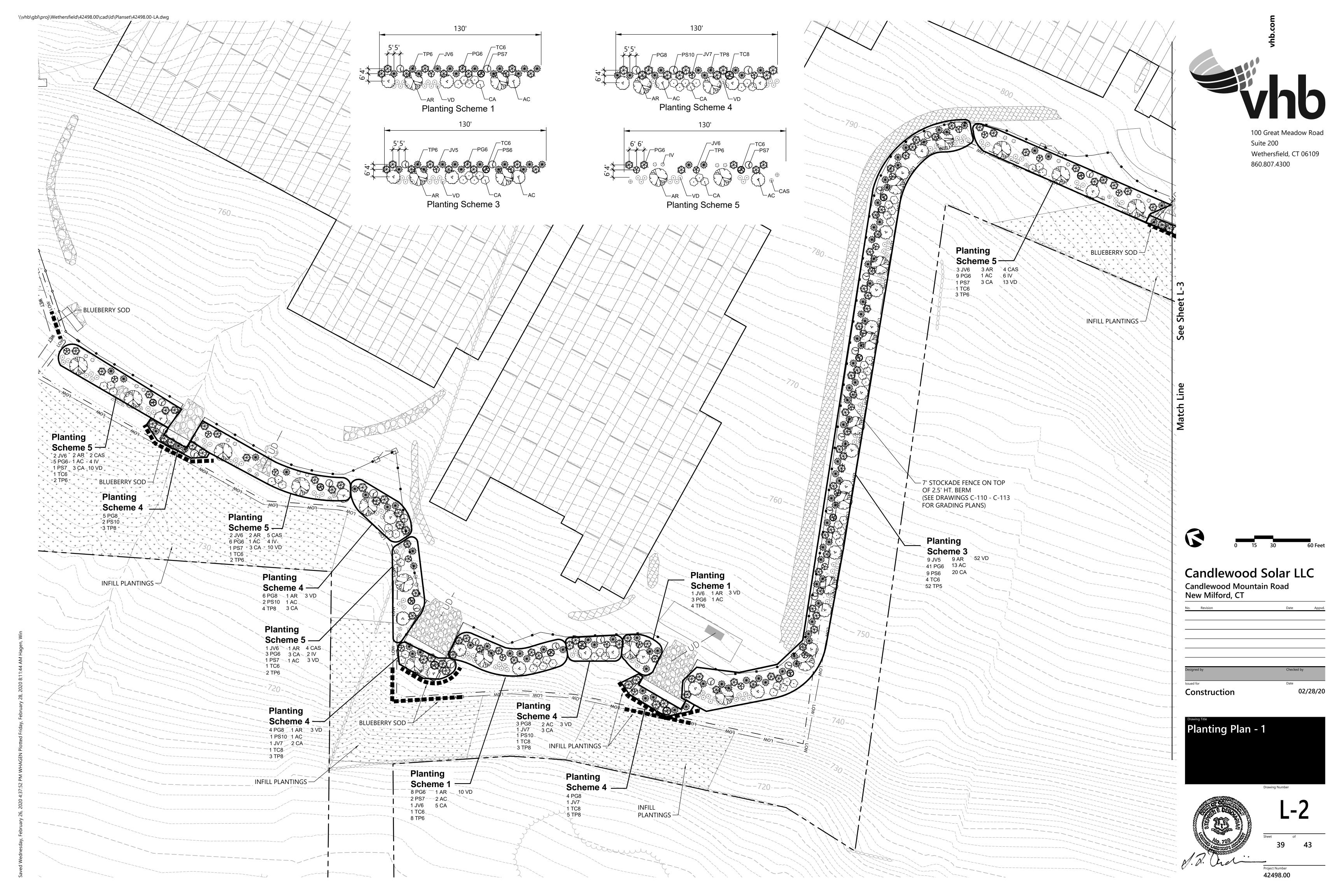
Candlewood Mountain Road New Milford, CT

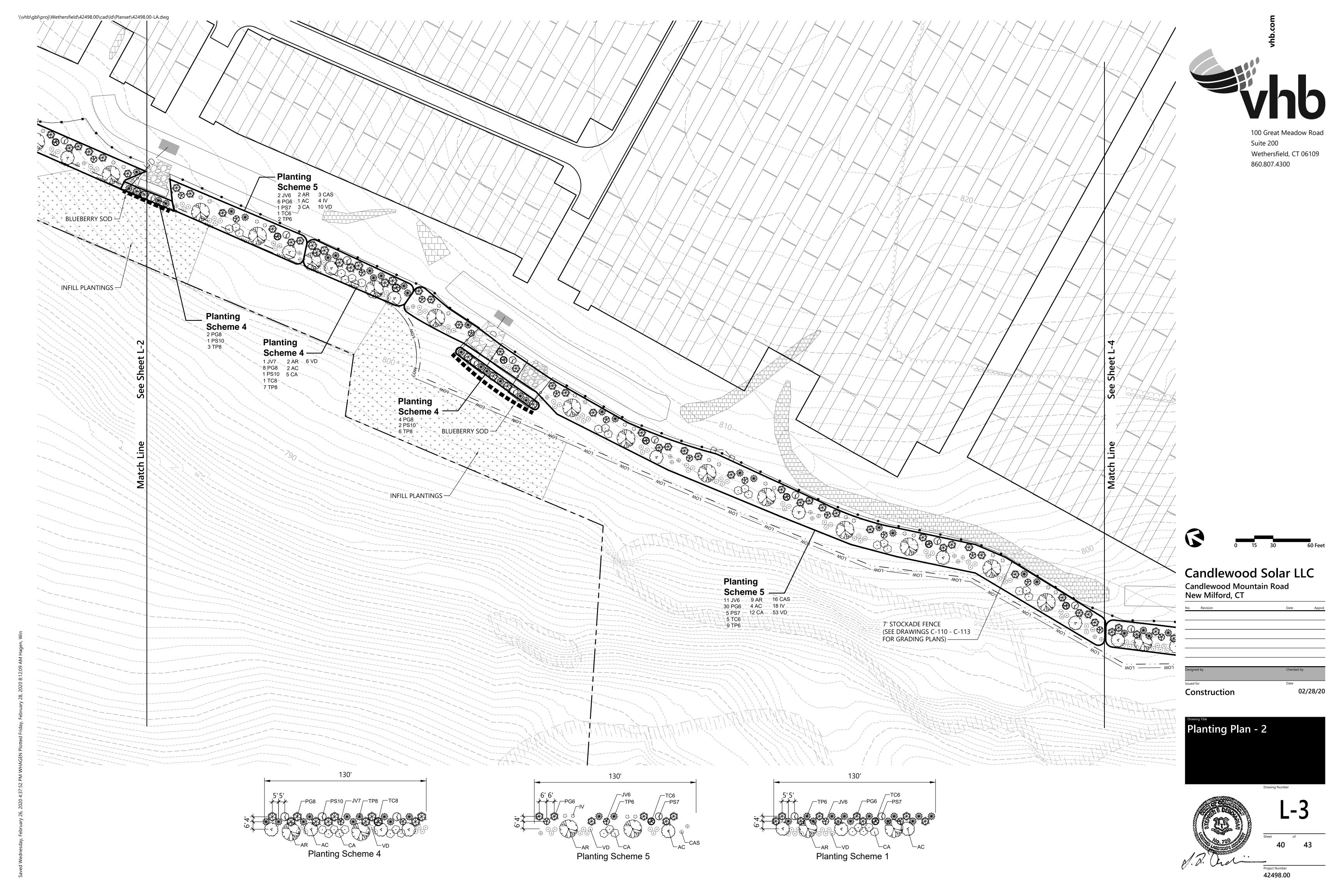
02/28/20 Construction

Overall Planting Plan









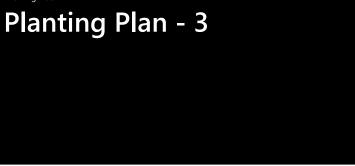


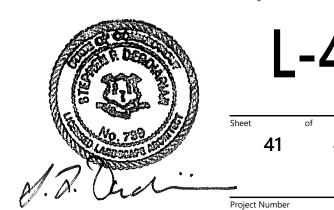


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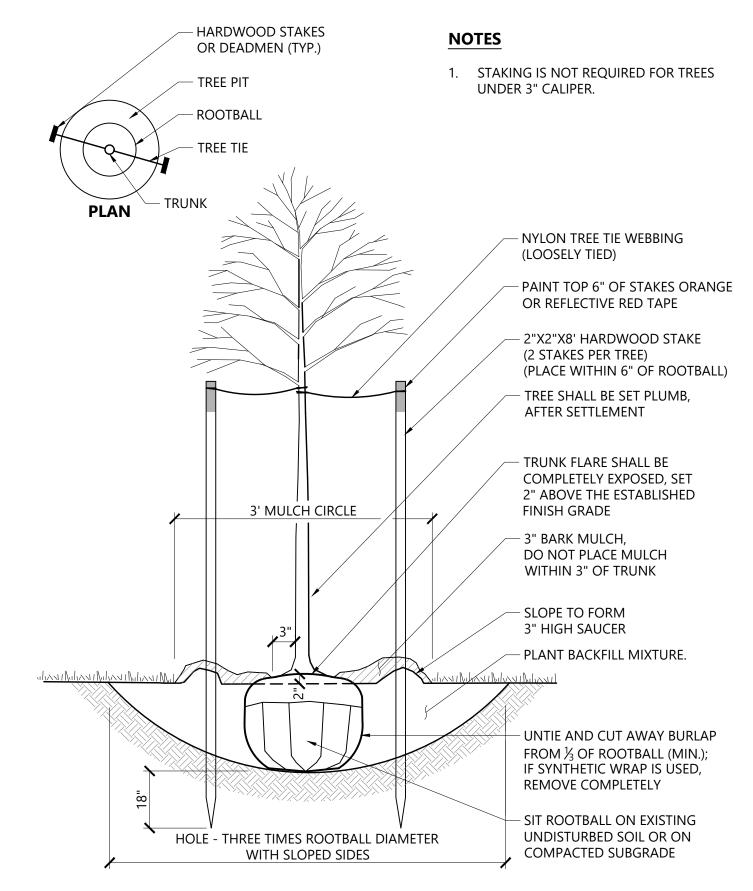




NOTES

1. LOOSEN ROOTS AT THE OUTER EDGE OF ROOTBALL OF CONTAINER GROWN SHRUBS.

Shrub Planting 1/16 Source: VHB N.T.S. LD_600



Tree Planting (For Trees Under 4" Caliper) 9/18 N.T.S. Source: VHB LD_602

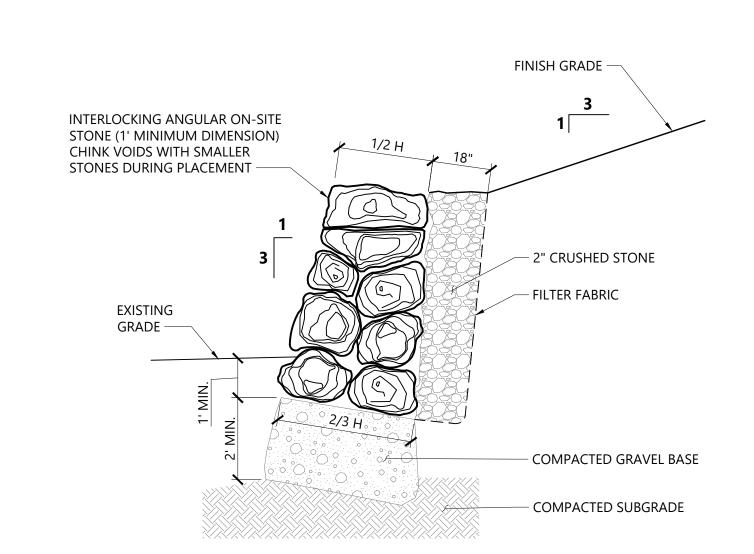
- HARDWOOD STAKES OR DEADMEN (TYP.) TREE PIT **NOTES** - ROOTBALL STAKING IS NOT REQUIRED FOR TREES UNDER 10' HIGH. TREE TIE 2. PAINT TOP OF STAKES ORANGE OR REFLECTIVE RED TAPE. - TRUNK **PLAN** – NYLON TREE TIE WEBBING (LOOSELY TIED) - TRUNK FLARE SHALL BE SET 2" ABOVE THE ESTABLISHED FINISHED GRADE - 3" BARK MULCH, DO NOT PLACE MULCH WITHIN 3" OF TRUNK – 2"X2" HARDWOOD STAKE OR DEADMEN (2 STAKES PER TREE) TIGHTEN AS SHOWN - SLOPE TO FORM A 3" HIGH SAUCER. – PLANT BACKFILL MIXTURE. - UNTIE AND CUT AWAY BURLAP FROM $\frac{1}{3}$ OF ROOTBALL (MIN.); IF SYNTHETIC WRAP IS USED, REMOVE COMPLETELY – SIT ROOTBALL ON **EXISTING UNDISTURBED SOIL** OR ON COMPACTED SUBGRADE HOLE - THREE TIMES ROOTBALL DIAMETER

Evergreen Tree Planting 1/16 Source: VHB N.T.S. LD_604

WITH SLOPED SIDES

BRACKET TOP VIEW

Galvanized Steel Bracket Enlargements



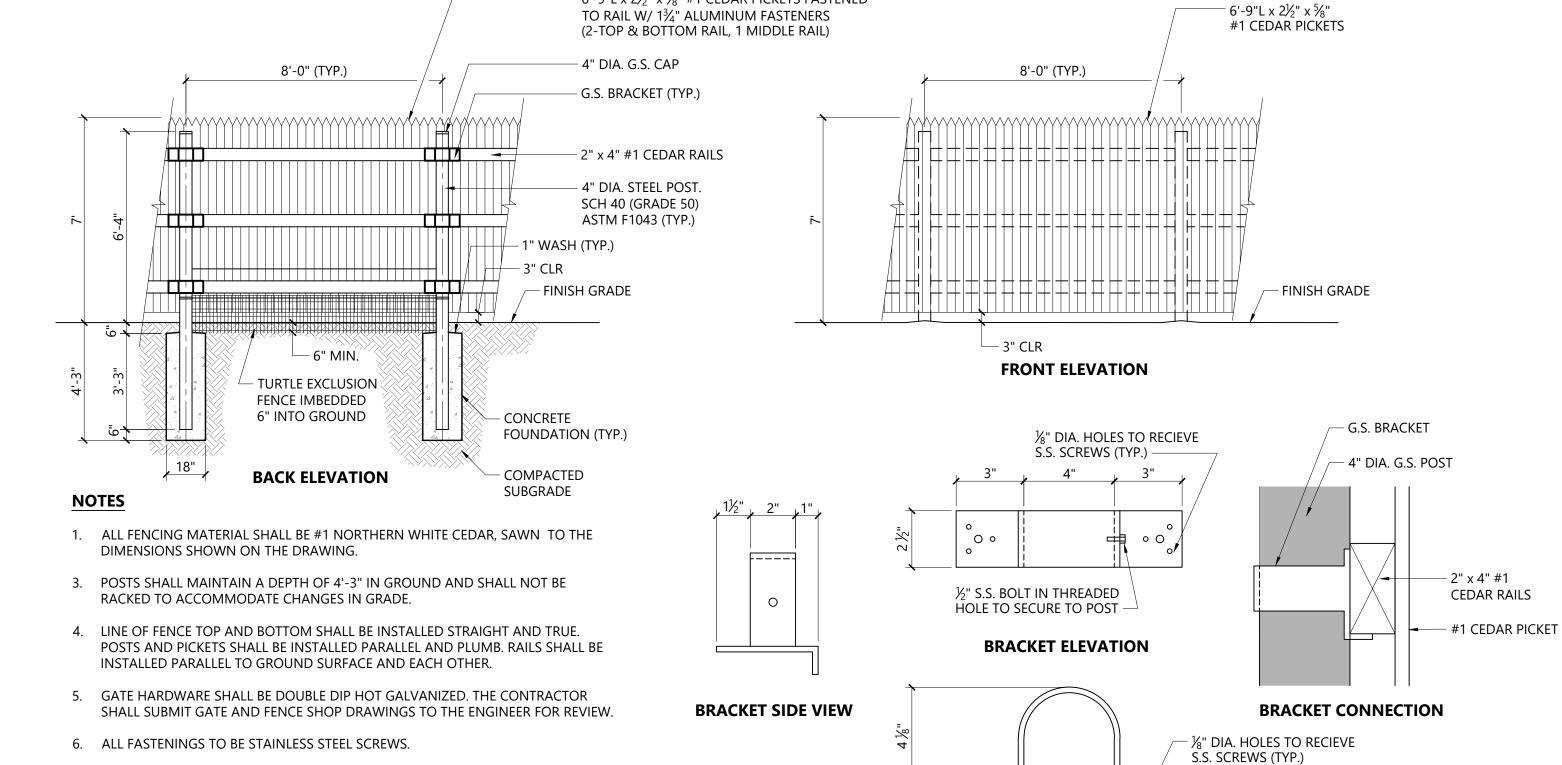
NOTES

- 1. GRAVEL BASE TO BE FOUNDED ON UNDISTURBED MATERIAL.
- 2. PITCH BASE OF WALL DOWNWARD 1' VERT TO 3' HORIZ. INTO SLOPE.
- 3. CONSTRUCT STONE WALL WITH INTERLOCKING ANGULAR ROCK SO THAT ROCK MASS ACTS AS GRAVITY RETAINING WALL.

Stone Retaining Wall 2/20

Source: VHB

LD_752



6'-9"L x 2½" x 5/8" #1 CEDAR PICKETS FASTENED

Planting Details

Construction

2/20

Drawing Number

02/28/20

Candlewood Solar LLC

Candlewood Mountain Road

New Milford, CT

100 Great Meadow Road

Wethersfield, CT 06109

Suite 200

860.807.4300

42498.00

7' Single Sided Stockade Fence

FENCE PER MANUFACTURERS RECOMMENDATIONS.

7. REFER TO WOOD DRAWING C-506 FOR FENCE FOUNDATIONS.

8. CONTRACTOR TO PROVIDE SHOP DRAWING AND PRODUCT INFORMATION FOR

9. TURTLE EXCLUSION FENCE TO BE 16 GAUGE 1"x2" WELDED WIRE MESH. ATTACH TO

THE FENCE AND ALL ITS COMPONENTS TO THE ENGINEER FOR APPROVAL.

N.T.S. Source: VHB

GENERAL NOTES

- 1. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BELOW GRADE AND ABOVE GROUND UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF CONFLICTS.
- 2. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- 3. FINAL QUANTITY FOR EACH PLANT TYPE SHALL BE AS GRAPHICALLY SHOWN ON THE PLAN. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND ON THE PLAN. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLANT LIST AND PLANT LABELS PRIOR TO BIDDING.
- 4. ALL DISTURBED AREAS NOT OTHERWISE NOTED ON CONTRACT DOCUMENTS SHALL BE SEEDED WITH PERMANENT SEED MIX AS SPECIFIED.

TREE PROTECTION

- 1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TREE PROTECTION FENCE. ERECT FENCE AS SHOWN ON PLANS PRIOR TO BRINGING EQUIPMENT OR MATERIALS ON SITE OR STARTING CONSTRUCTION.
- CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
- 3. DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.

TOPSOIL NOTES

1) SOIL TESTING

(1.1) THE CONTRACTOR IS RESPONSIBLE FOR SOILS TESTING AND ANALYSIS FOR SUITABILITY FOR PLANTING AND LANDSCAPE TREATMENTS REQUIRED IN THIS CONTRACT. EXISTING TOPSOIL SHALL BE UTILIZED TO THE GREATEST EXTENT POSSIBLE THROUGHOUT THE PROJECT. A MINIMUM OF 3 SOIL SAMPLES SHALL BE TAKEN TO REPRESENT THE FULL RANGE OF SITE CONDITIONS. SOIL SAMPLES SHALL BE TAKEN TO BE REPRESENTATIVE OF THE ENTIRE TOPSOIL LAYER.

(1.2) SOIL ANALYSIS SHALL BE BY AN INDEPENDENT CERTIFIED LABORATORY AND SHALL INCLUDE SOIL TEXTURE, COMPOSITION, ORGANIC MATTER CONTENT, pH, SALINITY, AND FERTILITY (AVAILABLE NUTRIENTS). FOR SOILS NOT MEETING TOPSOIL SPECIFICATIONS BELOW, THE REPORT SHALL INCLUDE RECOMMENDATIONS FOR AMENDING THE SOILS TO BRING THEM INTO COMPLIANCE WITH THESE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR THE COSTS OF SOILS TESTING, AND SHALL SUBMIT 3 COPIES OF THE SOILS REPORT TO THE OWNER.

(2) TOPSO

(2.1) NECESSARY QUANTITIES OF TOPSOIL SHALL BE SUPPLIED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL APPLY TOPSOIL ONLY AFTER SECURING SOIL TEST, AS SPECIFIED ABOVE, APPLYING RECOMMENDED TREATMENT THEREOF, AND RECEIVING APPROVAL.

- (2.2) TOPSOIL REQUIREMENTS MAY BE MET IN ANY OF THE FOLLOWING WAYS:
- (A) ON-SITE TOPSOIL MEETING SPECIFICATIONS MAY BE STRIPPED AND STOCKPILED ON SITE.
- (B) ON-SITE TOPSOIL NOT MEETING SPECIFICATIONS MAY BE STRIPPED, STOCKPILED AND AMENDED ON SITE, TO MEET SPECIFICATIONS.
- (C) OFF-SITE TOPSOIL MEETING SPECIFICATIONS AND FROM AN APPROVED SOURCE MAY BE PROVIDED.

(2.3) TOPSOIL STOCKPILED FOR LATER USE SHALL BE STORED AT THE LOCATION SHOWN ON THE PLANS AND AT LOCATIONS APPROVED BY THE OWNER, UNLESS THE WORKING AREA IS SUCH THAT THE PRESENCE OF THE MATERIAL WOULD INTERFERE WITH ORDERLY PROSECUTION OF THE WORK. STOCKPILE AREAS OUTSIDE OF THE PROJECT LIMITS SHALL BE LOCATED BY THE CONTRACTOR AT HIS EXPENSE

(2.4) STRIPPING TOPSOIL SHALL BE CONFINED TO THE AREA OVER WHICH THE EXCAVATION IS TO BE ACTIVELY PROSECUTED WITHIN 15 DAYS FOLLOWING THE STRIPPING OPERATION. EXCAVATION AND EMBANKMENT CONSTRUCTION SHALL BE CONFINED TO THE MINIMUM AREA NECESSARY TO ACCOMMODATE THE CONTRACTOR'S EQUIPMENT AND WORK FORCE ENGAGED IN THE EARTH MOVING WORK

(2.5) TOPSOIL, EITHER ON-SITE OR OFF-SITE, SHALL BE THE ORIGINAL TOP LAYER OF A SOIL PROFILE FORMED UNDER NATURAL CONDITIONS, TECHNICALLY DEFINED AS THE "A" HORIZON BY THE SOIL SOCIETY OF AMERICA. IT SHALL CONSIST OF NATURAL, FRIABLE, LOAMY SOIL WITHOUT ADMIXTURES OF SUBSOIL. OR OTHER FOREIGN MATERIALS, AND SHALL BE REASONABLY FREE FROM STUMPS, ROOTS, HARD LUMPS, STIFF CLAY, NOXIOUS WEEDS, BRUSH, OR OTHER LITTER. STONES SHALL NOT BE LARGER THAN 1" IN DIAMETER. IT SHALL HAVE DEMONSTRATED BY EVIDENCE OF HEALTHY VEGETATION GROWING, OR HAVING GROWN ON IT PRIOR TO STRIPPING, THAT IT IS REASONABLY WELL DRAINED AND DOES NOT CONTAIN SUBSTANCES TOXIC TO PLANTS.

- (A) A2 HORIZONS SHALL BE MINERAL HORIZONS IN WHICH THE FEATURE EMPHASIZED IS LOSS OF CLAY, IRON OR ALUMINUM, WITH RESULTANT SIZES.
- (B) ON-SITE AND IMPORTED TOPSOIL SHALL ACHIEVE OR BE AMENDED TO ACHIEVE THE FOLLOWING:
- TEXTURE: SANDY LOAM, LOAM, OR SANDY CLAY LOAM.
 TOPSOIL SHALL HAVE A pH IN THE RANGE OF 5.5 TO 7.0 PRIOR TO MIXING
- WITH AMENDMENTS. REFER TO SEEDING NOTE 5.3 AND PLANTING NOTE 4.5 FOR pH RANGE AFTER AMENDMENT. REPORT FROM INDEPENDENT TEST LAB IS TO INCLUDE RECOMMENDATION TO BRING pH TO LEVELS AS NOTED IN SEEDING AND PLANTING NOTES.
- 3) SOLUBLE SALT LEVEL: LESS THAN 844 PPM.4) ORGANIC MATTER: 3-5%.

BLUEBERRY SODDING NOTES

1) BLUEBERRY SOD

(1.1) BLUEBERRY SOD: CERTIFIED, INCLUDING LIMITATION ON THATCH, WEEDS, DISEASES, NEMOTODES, AND INSECTS "FURNISH VIABLE SOD OF UNIFORM DENSITY, COLOR, AND TEXTURE, STRONGLY ROOTED, AND CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED.

(1.2) SOD SHALL BE CERTIFIED BLUEBERRY SOD.

(2) BLUEBERRY SOD PLANTING PREPARATION

(2.1) PROTECT, SHRUBS, AND PLANTINGS FROM DAMAGE CAUSED BY PLANTING

(A) PROTECT GRADE STAKES SET BY OTHERS UNTIL DIRECTED TO REMOVE THEM.

(2.2) PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.

(2.3) REMOVE SURFACE VEGETATION, INCLUDING TEMPORARY SEED, PRIOR TO INSTALLING SOD.

(3) BLUEBERRY SODDING

(3.1) LAY SOD WITHIN 24 HOURS OF HARVESTING. DO NOT LAY SOD IF DORMANT OR IF GROUND IS FROZEN OR MUDDY.

(3.2) LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD; DO NOT STRETCH OR OVERLAP. STAGGER SOD STRIPS OR PADS TO OFFSET JOINTS IN ADJACENT COURSES. AVOID DAMAGE TO SUBGRADE OR SOD DURING INSTALLATION. TAMP LIGHTLY TO ENSURE CONTACT WITH SUBGRADE, ELIMINATE AIR POCKETS, AND FORM A SMOOTH SURFACE. WORK SIFTED SOIL OR FINE SAND INTO MINOR CRACKS BETWEEN PIECES OF SOD; REMOVE EXCESS TO AVOID SMOTHERING SOD AND ADJACENT GRASS.

(3.3) SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF 1-1/2 INCHES BELOW SOD.

(3.4) PIN BLUEBERRY SOD IF SLOPE IS 3:1 OR GREATER.

(4) BLUEBERRY SOD ESTABLISHMENT

(4.1) MAINTAIN AND ESTABLISH BLUEBERRY SOD BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, REPLANTING, AND OTHER OPERATIONS. REPLACE STRIPS THAT ARE DAMAGED, DISCOLORED OR DEAD. PROVIDE MATERIALS AND INSTALLATION THE SAME AS THOSE USED IN THE ORIGINAL INSTALLATION.

(4.2) WATERING: PROVIDE AND MAINTAIN TEMPORARY PIPING, HOSES, AND LAWN-WATERING EQUIPMENT TO CONVEY WATER FROM SOURCES AND TO KEEP LAWN UNIFORMLY MOIST TO A DEPTH OF 6 INCHES.

(A) SCHEDULE WATERING TO PREVENT WILTING, PUDDLING AND EROSION LAY OUT TEMPORARY WATERING SYSTEM TO AVOID WALKING OVER MUDDY OR NEWLY PLANTED AREAS.

(B) SCHEDULE WATERING IN THE EARLY MORNINGS.

(C) WATER BLUEBERRY SOD WITH A FINE SPRAY DAILY UNTIL ALL STRIPS HAVE ROOTED INTO THE NATIVE SOIL. AFTERWARDS WATER A MINIMUM OF 3 TIMES PER WEEK DELIVERING A TOTAL OF 1 INCH OF WATER PER WEEK UNLESS RAINFALL PRECIPITATION IS ADEQUATE UNTIL ACCEPTED BY THE OWNER OR THE OWNER'S REPRESENTATIVE. IT IS THE CONTRACTORS RESPONSIBILITY TO ADJUST WATER APPLICATION RATES AS REQUIRED TO ESTABLISH WELL ROUTED SOD BEFORE FINAL ACCEPTANCE.

(4.3) POST-SODDING FERTILIZATION: EVENLY APPLY FERTILIZERS BY BROADCASTING WITH A CALIBRATED FERTILIZER BROADCAST SPREADER FOLLOWING THE RECOMMENDATION OF THE SOIL TESTING LABORATORY. APPLY ONLY WHEN GRASS IS

(4.4) BLUEBERRY SOD: AT END OF MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, EVEN-COLORED, VIABLE LAWN HAS BEEN ESTABLISHED, FREE OF WEEDS, OPEN JOINTS BARE AREAS, AND SURFACE IRREGULARITIES.

(A) USE SPECIFIED MATERIALS TO REESTABLISH LAWNS THAT DO NOT COMPLY WITH REQUIREMENTS AND CONTINUE UNTIL FINAL ACCEPTANCE IS GIVEN BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

(5) WARRANTY PERIOD

(5.1) WARRANTY PERIOD OF NO LESS THAN 90 DAYS IS REQUIRED AFTER A FINAL ACCEPTANCE NOTICE HAS BEEN ISSUED. IF THE PROJECT WAS SEEDED OR SODDED IN THE FALL AND NOT GIVEN FULL 60 DAYS OF MAINTENANCE, OR IF THE PROJECT SEEDING OR SODDING IS NOT CONSIDERED ACCEPTABLE AT THE TIME, THE CONTRACTOR WILL CONTINUE MAINTENANCE UNTIL THE FOLLOWING SPRING UNTIL ACCEPTABLE TURF IS ESTABLISHED.

(5.2) FINAL ACCEPTANCE WILL BE GIVEN BY THE OWNER'S REPRESENTATIVE UPON SATISFACTORY COMPLETION OF ALL WORK INCLUDING "PUNCH LIST" ITEMS.

(5.3) WARRANTY: NO INDIVIDUAL LAWN AREA SHALL HAVE BARE SPOTS IN EXCESS OF 3 INCHES IN DIAMETER AND BARE SPOTS SHALL COMPRISE NO MORE THAN TWO PERCENT OF THE TOTAL LAWN AREA. ALL REPLACEMENTS SHALL BE SUBJECT TO THE WARRANTY REQUIREMENTS AS THE ORIGINAL STOCK. ANY DAMAGE DONE DURING REPLACEMENT OPERATIONS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

(6) CLEAN-UP AND PROTECTION

(6.1) KEEP PAVEMENTS AND WORK AREA IN A CLEAN AND ORDERLY CONDITION.

(6.2) PROTECT SEEDED & SODDED AREAS AND MATERIALS FROM DAMAGE DUE TO OPERATIONS BY OTHER CONTRACTORS, TRADES, AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND UNTIL FINAL ACCEPTANCE. TREAT REPAIR OR REPLACE DAMAGED SEEDED AREAS AS DIRECTED.

(7) COMPLETION AND ACCEPTANCE

(7.1) THE COMPLETION OF THE CONTRACT WILL BE ACCEPTED AND NOTICE OF COMPLETION RECORDED ONLY WHEN THE ENTIRE CONTRACT IS COMPLETED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

(7.2) WITHIN TEN (10) DAYS OF THE GENERAL CONTRACTOR'S NOTIFICATION THAT THE INSTALLATION IS COMPLETE, THE OWNER'S REPRESENTATIVE WILL INSPECT THE INSTALLATION AND, IF FINAL ACCEPTANCE IS NOT GIVEN, WILL PREPARE A "PUNCH LIST".

(7.3) FINAL ACCEPTANCE WILL BE GIVEN BY THE OWNER'S REPRESENTATIVE UPON SATISFACTORY COMPLETION OF ALL WORK INCLUDING "PUNCH LIST" ITEMS.

PLANTING NOTES

THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, ETC. NECESSARY TO COMPLETE ALL PLANTING AS SHOWN ON THIS DRAWING, AS SPECIFIED HEREIN OR IN SUPPLEMENTAL SPECIFICATIONS, AND/OR AS REQUIRED BY JOB CONDITIONS. THE WORK IN GENERAL INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

- (1) SOIL TESTING OF AMENDED PLANT BACKFILL MIXTURE;
- (2) TOPSOIL;(3) PLANTING AREA PREPARATION;
- (4) PLANTING PIT EXCAVATION AND SOIL AMENDMENT;
- (5) PLANT MATERIAL AND MULCH;
- (6) FERTILIZING; (7) ANCHORING; (WHEN REQUIRED)
- (8) CHEMICAL APPLICATION; (WHEN REQUIRED)
- (9) MAINTENANCE AND GUARANTEE;(10) ALL OTHER ITEMS NECESSARY TO MAKE WORK COMPLETE;

THE PLANTING CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH THE OTHER CONTRACTORS. THIS PLAN DOES NOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES. PRIOR TO ANY CONSTRUCTION, EXCAVATION, OR ROTO-TILLING THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF VERIFYING THE LOCATIONS OF ALL UTILITIES, ABOVE AND/OR BELOW GROUND, PUBLIC AND/OR PRIVATE THAT MAY EXIST AND CROSS THROUGH THE AREAS OF CONSTRUCTION.

(1) QUALITY ASSURANCE

(1.1) QUALITY ASSURANCE: PLANTING SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING AND EXPERIENCED IN LANDSCAPE WORK.

(2) SUBMITTALS

(2.1) TOPSOIL ANALYSIS: PROVIDE FOR THE SERVICES OF AN INDEPENDENT SOIL TESTING LABORATORY TO PERFORM ANALYSIS OF TOPSOIL TO BE USED, AND A DETERMINATION OF NUTRITIONAL REQUIREMENTS OF SOIL FOR ESTABLISHMENT OF PLANT MATERIAL BY LAB FOR SOIL AMENDMENTS.

(2.2) SOIL AMENDMENTS: PROVIDE MANUFACTURERS DATA ON AMENDMENTS AS RECOMMENDED IN TOPSOIL ANALYSIS AND AS NOTED BELOW.

(2.3) PLANT BACKFILL MIXTURE ANALYSIS: AFTER SOIL AMENDMENTS ARE ADDED TO SAMPLE SECONDARY TESTING IS TO BE PROVIDED TO PROVE AMENDED SOIL MEETS REQUIREMENTS.

(3) PLANTING AREA PREPARATION

(3.1) PLANTING AREAS. BECAUSE OF SOIL COMPACTION DURING CONSTRUCTION, ALL PLANTING AREAS SHALL BE LOOSENED BY ROTO-TILLING AS SPECIFIED BELOW. AREAS UNDER THE DRIP LINE OF TREES OR SHRUBS TO REMAIN IN PLACE SHALL NOT BE ROTO-TILLED. A PLANTING AREA IS ANY AREA IN WHICH NEW PLANTING OCCURS.

(3.2) PRIOR TO EXCAVATION OF INDIVIDUAL TREE AND SHRUB PITS, A DIAMETER EQUAL TO TEN TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROTO-TILLED TO A DEPTH 6". UNDER NO CIRCUMSTANCES SHALL THE ROTO-TILLED DEPTH BE GREATER THAN THE DEPTH OF THE ROOT BALL.

(3.3) IN CONTINUOUS SHRUB AND GROUND COVER BEDS, THE ROTO-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF 5 TIMES THE DIAMETER OF A SINGLE ROOTBALL OF THE PERIMETER PLANTS. DEPTH OF TILLAGE FOR SHRUBS SHALL BE AS SPECIFIED ABOVE.

(4) PLANTING PIT EXCAVATION AND SOIL AMENDMENT OF BACKFILL MIXTURE

(4.1) TREE AND SHRUB PITS SHALL BE 3 TIMES THE WIDTH OF THE ROOTBALL, AND SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT BALL WILL REST ON UNDISTURBED SOIL, AND THE TOP OF THE ROOT BALL WILL BE 1" ABOVE FINISH GRADE.

(4.2) GROUNDCOVER, ANNUAL AND PERENNIAL BEDS SHALL BE TILLED TO A DEPTH OF 12", OR IF SOIL AMENDMENTS ARE REQUIRED, EXCAVATED TO A DEPTH OF 12", UNLESS OTHERWISE NOTED ON THE PLANS. PLANTS SHALL BE EVENLY SPACED WITHIN THE TILLED PLANTING AREA AND SET TO MAINTAIN THE ORIGINAL GROWING DEPTH WHILE ALLOWING FOR A 3" TOP DRESSING OF MULCH.

(4.3) WHENEVER POSSIBLE, THE EXCAVATED SOIL SHOULD BE USED OR AMENDED TO BE USED AS BACKFILL MATERIAL IN ORDER TO ELIMINATE OR MINIMIZE THE OCCURRENCE OF HYDROLOGIC DISCONTINUITIES, AND/OR SOIL INTERFACE PROBLEMS COMMON TO PLANTING BEDS CONTAINING SOILS OF DIFFERENT TEXTURE.

(4.4) WHERE SOILS TESTING OR SUBSEQUENT OBSERVATION INDICATES THAT THE TEXTURE OF THE EXISTING SOIL IS UNDESIRABLE FOR THE PLANT SPECIES BEING PLANTED (I.E. HEAVY CLAY, PURE SAND) THE ON-SITE SOIL SHALL BE AMENDED AS RECOMMENDED WITHIN THE SOILS REPORT TO PROVIDE SUITABLE TEXTURE. WHERE SOILS TESTS DO NOT REVEAL TEXTURAL DEFICIENCIES, YET SUBSEQUENT EXCAVATIONS DO, THE BACKFILL MIXTURE SHALL BE 66% EXISTING SOIL AND 33% TOPSOIL AS DEFINED ABOVE.

(4.5) WHERE SOILS TESTS INDICATE THAT THE pH, SALINITY OR CHEMICAL COMPOSITION IS UNDESIRABLE FOR THE PLANT SPECIES BEING PLANTED, THE SOIL SHALL BE AMENDED AS RECOMMENDED WITHIN THE SOILS REPORT TO ACHIEVE SUITABLE CHEMICAL PROPERTIES. AFTER AMENDING, PLANT BACKFILL MIXTURE FOR DECIDUOUS PLANTS SHALL HAVE A pH VALUE BETWEEN 6.0 AND 6.5, AND FOR EVERGREEN OR SEMI-EVERGREEN PLANTS SHALL HAVE A pH VALUE BETWEEN 5.0 AND 6.0. A REPRESENTATIVE SAMPLE FROM THE EXCAVATED SOIL SHALL BE FIELD TESTED FOR pH UTILIZING A RELIABLE SOIL pH METER OR SOIL pH TEST KIT. THE pH VALUE OF THE NATURAL SOIL BACKFILL MIXTURE MAY BE AMENDED BY ADDING LIMESTONE OR ALUMINUM SULFATE AS NEEDED.

(4.6) WHERE SOILS TESTING OR SUBSEQUENT EXCAVATION INDICATE THE EXISTING SOIL IS UNSUITABLE FOR USE AS BACKFILL MATERIAL, BECAUSE OF THE PRESENCE OF DEBRIS OR OTHER DELETERIOUS MATERIAL. REMOVE DEBRIS AND UNSUITABLE MATERIALS BEFORE USING AS THE BACKFILL MATERIAL. AMEND PLANT BACKFILL MIXTURE AS DEFINED ABOVE.

(4.7) AMENDED BACKFILL SOIL REPLACES ONLY THE SOIL EXCAVATED FROM THE TREE AND SHRUB PIT (3 TIMES THE WIDTH OF THE ROOT BALL), NOT THE ENTIRE ROTO-TILLED AREA.

(4.8) FOR TREES IN POORLY DRAINED SOILS, A VERTICAL PIPE SHALL BE INSTALLED AT THE EDGE OF THE PLANT PIT EXCAVATION, EXTENDING TO A LEVEL EQUAL TO THE TOP OF THE MULCH. THE PIPE END SHALL BE THREADED AND FITTED WITH A THREADED CAP.

(5) PLANT MATERIAL AND MULCH

(5.1) THE NAMES OF PLANTS REQUIRED UNDER THIS CONTRACT CONFORM TO THOSE GIVEN IN L.H. BAILEY'S HORTUS THIRD, 1976 EDITION. NAMES OF VARIETIES NOT INCLUDED THEREIN CONFORM GENERALLY WITH NAMES ACCEPTED IN THE NURSERY TRADE. ALL PLANTS SHALL HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THEIR SPECIES AND THEY SHALL BE SOUND, HEALTHY AND VIGOROUS, WITH WELL DEVELOPED ROOT SYSTEMS. ALL PLANT MATERIAL SHALL BE FREE FROM INSECT PESTS, PLANT DISEASES, AND INJURIES. ALL PLANTS SHALL EQUAL OR EXCEED THE MEASUREMENTS SPECIFIED IN THE PLANT LIST, WHICH ARE MINIMUM ACCEPTABLE SIZES. TREES SHALL HAVE SINGLE TRUNKS EXCEPT AS NOTED. ALL SHRUBS SHALL BE HEALTHY, VIGOROUS, AND OF GOOD COLOR. ONLY DAMAGED OR BROKEN BRANCHES OF PLANT MATERIAL MAY BE PRUNED AND ANY NECESSARY PRUNING SHALL BE DONE AT THE TIME OF PLANTING. HOWEVER, UNDER NO CIRCUMSTANCES SHALL THE CENTRAL LEADER OF A PLANT BE PRUNED. BALLING AND BURLAPPING OF PLANTS SHALL FOLLOW THE CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN STANDARD FOR

(5.2) ALL TAGS, STRINGS OR ANY OTHER MATERIAL ATTACHED TO THE PLANTS SHALL BE REMOVED AT THE TIME OF PLANTING. LABEL AT LEAST ONE TREE, SHRUB AND GROUNDCOVER OF EACH VARIETY WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL NAME AND THE SIZE AS SPECIFIED IN THE PLANT LIST OF REQUIRED PLANTS. LABELS SHALL BE SECURELY ATTACHED TO PLANTS AND SHALL BE LEGIBLE FOR 60 DAYS AFTER DELIVERY TO THE PLANTING SITE. WIRE IDENTIFICATION TAGS SHALL NOT BE USED.

(5.3) SUBSTITUTIONS WILL BE PERMITTED ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT IS NOT OBTAINABLE. ALL SUBSTITUTIONS MUST BE AUTHORIZED BY THE OWNER OR THE OWNER'S REPRESENTATIVE IN WRITING PROVIDING FOR USE OF THE NEAREST EQUIVALENT OBTAINABLE SIZE AND VARIETY OF PLANT HAVING THE SAME ESSENTIAL CHARACTERISTICS AS THE SPECIFIED VARIETY WITH AN EQUITABLE ADJUSTMENT OF CONTRACT PRICE.

(5.4) BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF THE PLANT. BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP OR SIMILAR MATERIAL AND BOUND WITH TWINE OR CORD. BURLAP SHALL NOT BE PULLED OUT FROM UNDER BALLS DURING PLANTING OPERATIONS. B&B PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE COVERED WITH MOIST SOIL, MULCH, OR OTHER MATERIAL TO PROVIDE PROTECTION FROM DRYING WINDS AND SUN.

(5.5) PLANTS NOTED WITH A CONTAINER SIZE ON THE PLANT LIST MUST BE CONTAINER GROWN WITH WELL ESTABLISHED ROOT SYSTEMS. LOOSE CONTAINERIZED PLANT MATERIAL WILL NOT BE ACCEPTED. ALL PLANTS INJURED AND PLANTS WITH ROOT BALLS BROKEN DURING TRANSPORT OR PLANTING OPERATIONS WILL BE REJECTED. BARE-ROOTED PLANTS (BR) SHALL BE PLANTED OR HEELED-IN IMMEDIATELY UPON DELIVERY. ALL PLANTS SHALL BE WATERED AS NECESSARY UNTIL PLANTED.

(5.6) NEW PLANTINGS SHALL BE LOCATED WHERE SHOWN ON THE PLAN EXCEPT WHERE OBSTRUCTIONS BELOW GROUND ARE ENCOUNTERED OR WHERE CHANGES HAVE BEEN MADE IN THE PROPOSED CONSTRUCTION. NECESSARY ADJUSTMENTS SHALL BE MADE ONLY AFTER APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE. REASONABLE CARE SHALL BE EXERCISED TO HAVE PLANTING PITS DUG AND SOIL PREPARED PRIOR TO MOVING PLANTS TO THEIR RESPECTIVE LOCATIONS TO ENSURE THAT THEY WILL NOT BE UNNECESSARILY EXPOSED TO DRYING OR PHYSICAL DAMAGE.

(5.7) A LIST OF PLANTS, INCLUDING SIZES, QUANTITIES AND OTHER REQUIREMENTS, IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE QUANTITIES AS SHOWN ON THE DRAWINGS. IF DISCREPANCIES OCCUR IN THE QUANTITIES SHOWN, THE PLANTING PLANS SHALL GOVERN.

(5.8) THE PLANTING CONTRACTOR WILL BE NOTIFIED BY THE GENERAL CONTRACTOR WHEN OTHER DIVISIONS OF THE WORK HAVE PROGRESSED SUFFICIENTLY TO COMMENCE WORK ON THE PLANTING OPERATION. THEREAFTER, PLANTING OPERATIONS SHALL BE CONDUCTED UNDER FAVORABLE WEATHER CONDITIONS DURING THE NEXT SEASON OR SEASONS WHICH ARE NORMAL FOR SUCH WORK. REMOVAL OF ROCK OR OTHER UNDERGROUND OBSTRUCTIONS, RELOCATIONS TO AVOID OBSTRUCTIONS, AND PROVISION OF DRAINAGE FOR PLANTING AREAS SHALL BE DONE ONLY AS APPROVED BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

(5.9) ALL PLANTS SHALL BE PLANTED UPRIGHT AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT STRUCTURES. ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION. ALL BROKEN OR FRAYED ROOTS SHALL BE CUT OFF CLEANLY. PLANTS WITH CIRCLING ROOTS SHALL NOT BE ACCEPTED. BURLAP TWINE AND OTHER FASTENING MATERIAL SHALL BE CUT AND PUSHED TO THE BOTTOM OF THE PLANT PIT PRIOR TO BACKFILL MATERIAL BEING PLACED. THE PLANT SHALL NOT BE ROCKED BACK AND FORTH TO ENTIRELY REMOVE THE WRAPPING MATERIAL NOR SHALL ANY OTHER PRACTICE BE PERFORMED WHICH COULD CAUSE THE ROOT BALL TO BREAK APART. WHEN WIRE BASKETS ARE USED ON THE ROOT BALL OF PLANTS THE WIRE SHALL BE REMOVED FROM THE SIDES OF THE ROOT BALL.

(5.10) AT THE TIME OF PLANTING, AND AS MANY TIMES LATER AS SEASONAL CONDITIONS REQUIRE, EACH PLANT AND THE SOIL AROUND IT SHALL BE THOROUGHLY WATERED. CARE SHOULD BE EXERCISED WHEN WATERING TO AVOID FLOODING OF PLANTS AND BEDS, DISPLACEMENT OF MULCH MATERIAL AND EROSION OF SOIL. AVOID USE OF HIGH PRESSURE HOSES. THE CONTRACTOR SHALL MAKE, AT HIS EXPENSE, WHATEVER ARRANGEMENTS MAY BE NECESSARY TO ENSURE AN ADEQUATE SUPPLY OF WATER TO MEET THE NEEDS OF THIS CONTRACT DURING INSTALLATION. THE CONTRACTOR SHALL ALSO FURNISH ALL NECESSARY HOSE, EQUIPMENT ATTACHMENTS AND ACCESSORIES FOR THE ADEQUATE WATERING OF PLANTED AREAS AS MAY BE REQUIRED UNTIL ACCEPTANCE BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

(5.11) MULCH SHALL BE CLEAN, SHREDDED HARDWOOD MULCH. IN PLANTING AREAS WHERE SLOPES EXCEED 3:1 AND AT DRAINAGE DISPERSION POINTS OR ALONG NATURAL WATER WAYS WHERE CONCENTRATIONS OF SURFACE WATER EMPTY FROM CULVERTS OR PAVED DITCHES, HEAVY JUTE MESH SHALL BE INSTALLED. SHREDDED HARDWOOD SHALL HAVE BEEN COMPOSTED FOR AT LEAST TWO MONTHS PRIOR TO APPLICATION. FRESHLY GROUND MULCH WILL NOT BE ACCEPTED. FINELY GROUND MULCH, WHICH INHIBITS DRAINAGE, ENCOURAGES WEED GROWTH OR BECOMES WATERLOGGED WILL NOT BE ACCEPTED. MULCH SHALL BE COMPOSED OF SIMILAR SIZED FRAGMENTS AND SHALL NOT CONTAIN STICKS, CONES, LEAVES, SHREDDED PIECES, OR OTHER DELETERIOUS MATTER.

(5.12) ALL PLANTS SHALL BE MULCHED IMMEDIATELY AFTER PLANTING. GROUND COVERS SHALL BE MULCHED WITH A 3" LAYER OF SHREDDED HARDWOOD. ALL OTHER PLANTING BEDS, SHRUBS AND TREE PLANTINGS SHALL BE MULCHED WITH A 3" MINIMUM LAYER OF MULCH. THIS MULCH SHALL ENTIRELY COVER THE AREA OF THE PLANTING PIT, BED, OR EARTH BERM AROUND EACH PLANT WITH THE EXCEPTION OF THE AREA IMMEDIATELY ADJACENT TO THE PLANT TRUNK OR TRUNKS. THE AREA IMMEDIATELY ADJACENT TO THE PLANT TRUNK OR TRUNKS SHALL BE LEFT FREE OF ANY MULCH.

(5.13) INSPECT ROOT SYSTEM FOR POTENTIAL STEM GIRDLING ROOTS. DEFECTIVE ROOTS (J ROOTS, DIVING OR CIRCLING) SHALL BE PRUNED AWAY BACK TO LIVE TISSUE BEFORE/AHEAD OF THE ROOT DEFECT. IF 30% OR MORE OF ROOT SYSTEM IS DEFECTIVE (AS DETERMINED BY INDEPENDENT VNLA CERTIFIED HORTICULTURIST OR LANDSCAPE ARCHITECT) OR IF GIRDLING ROOTS ARE NOTED AFTER PLANTING, THE ENTIRE TREE SHALL BE REJECTED.

(5.14) SOIL COVERING ROOT STOCK GRAFT OR ON TOP OF THE ROOTBALL SHALL BE REMOVED SO THAT THE TRUNK FLARE AND THE TOP OF THE ROOT SYSTEM ARE CLEARLY VISIBLE. IF MORE THAN 2" OF SOIL WOULD NEED TO BE REMOVED TO EXPOSE TRUNK FLARE, TREE SHALL BE REJECTED. SET THE BASE OF THE TRUNK FLARE 1" HIGHER THAN FINAL GRADE, PARTICULARLY IN SLOWLY DRAINING SOILS.

) FERTILIZING

(6.1) THE FERTILIZER SHOULD BE A DRY SLOW RELEASE FORM OF FERTILIZER. IT SHOULD CONTAIN AT LEAST 25-50% WATER INSOLUBLE NITROGEN. THE FERTILIZER SELECTED SHOULD ALSO HAVE A LOW ADJUSTED SALT INDEX TO PREVENT BURNING. THE N-P-K RATIO SHOULD NOT EXCEED 3-1-2 UNLESS THE SOIL TEST REVEALS THAT ADDITIONAL LEVELS OF P AND K ARE NECESSARY.

(6.2) FOR DECIDUOUS AND EVERGREEN TREES, USE AMENDMENTS AS RECOMMENDED BY SOIL TESTING

(6.3) MIX THE FERTILIZER INTO THE BACKFILL SOIL OF THE TREE PITS. FOR SHRUB BEDS, MIX THE FERTILIZER INTO THE AREA THAT HAS BEEN ROTO-TILLED FOR THE PLANTS.

(6.4) THE FERTILIZER RATE FOR CONTINUOUS GROUND COVER AND SHRUB BEDS SHOULD BE DERIVED BY CALCULATING THE ENTIRE ROOT ZONE AREA. THE ROOT ZONE AREA IS FOUND BY MEASURING THE AREA CONTAINING THE MULTIPLE PLANT ROOTS. FERTILIZER SHALL BE AS RECOMMENDED BY SOIL TESTING LAB REPORT. THE FERTILIZER SHOULD BE EVENLY DISTRIBUTED WITHIN THE SHRUB BED SOIL.

(6.5) ALWAYS BE SURE THAT ADEQUATE MOISTURE IS AVAILABLE WHEN FERTILIZING SO THAT THE FERTILIZER WILL BE DISSOLVED INTO THE SOIL SOLUTION FOR ROOT UPTAKE AND TO AVOID BURNING THE ROOTS.

) ANCHORING

(7.1) ANCHOR TREES, AS REQUIRED BY SITE CONDITIONS ONLY, TO MAINTAIN TRUNKS PLUMB AND UNTIL THE TREES ARE ROOTED AND SELF SUPPORTING. ALL TREES REQUIRING SUPPORT SHALL BE ANCHORED ACCORDING TO THE NOTES BELOW.

(7.2) THREE ANCHORS SHALL BE PROVIDED PER TREE. INSTALL IN SUCH A MANNER AS NOT TO INJURE THE ROOT BALL OR ROOTS.

(7.3) ALL ANCHORING MATERIAL SHALL BE REMOVED AS SOON AS THE TREE HAS SUFFICIENT ROOTS TO NO LONGER REQUIRE ANCHORS. TREES THAT REMAIN UNSTABLE WITHOUT ANCHORING AFTER ONE YEAR SHALL BE REJECTED AND REPLACED.

(8) CHEMICAL APPLICATION

(8.1) PESTICIDES SHOULD BE USED ONLY WHEN NECESSARY TO TREAT AN OUTBREAK OF A HARMFUL PEST OR DISEASE PROBLEM. THE OWNER OR THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED 24 HOURS PRIOR TO THE APPLICATION OF ANY PESTICIDE.

(8.2) ALL PESTICIDES SHALL BE PRODUCTS OF RECOGNIZED COMMERCIAL MANUFACTURERS, AND SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL PESTICIDE LAWS. PESTICIDES SHALL BE APPLIED WITH CALIBRATED EQUIPMENT ACCORDING TO EPA LABEL RESTRICTIONS AND REGULATIONS BY A CERTIFIED APPLICATOR. ANY DAMAGE INCURRED TO THE SITE, ADJACENT PROPERTIES, OR APPLICATOR DURING PESTICIDE APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

(9) MAINTENANCE AND GUARANTEE

(9.1) THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING HIS WORK UNTIL FINAL ACCEPTANCE BY THE OWNER OR THE OWNER'S REPRESENTATIVE. MAINTENANCE SHALL INCLUDE MOWING, WATERING, WEEDING, CULTIVATING, MULCHING, REMOVAL OF DEAD MATERIALS, RESETTING OF PLANTS TO PROPER GRADES OR UPRIGHT POSITIONS, RESTORATION OF EARTH BERMS, AND OTHER NECESSARY OPERATIONS. ADEQUATE PROTECTION FOR LAWN AREAS AGAINST TRESPASSING DURING PLANTING OPERATIONS AND AGAINST DAMAGE OF ANY KIND SHALL BE PROVIDED. NOTHING IN THESE NOTES IS INTENDED TO RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO REPAIR EXISTING LAWN AREAS DAMAGED BY WORKMEN ENGAGED IN THE COMPLETION OF THIS PROJECT.

(9.2) INSPECTION OF THE WORK TO DETERMINE COMPLETION OF THE CONTRACT EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTINGS, WILL BE MADE BY THE OWNER OR THE OWNER'S REPRESENTATIVE AT THE CONCLUSION OF THE INSTALLATION PERIOD UPON WRITTEN NOTICE REQUESTING SUCH INSPECTION. REQUEST SHALL BE SUBMITTED BY CONTRACTOR AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED DATE FOR INSPECTION. AFTER INSPECTION, THE CONTRACTOR WILL BE NOTIFIED IN WRITING BY THE OWNER OR THE OWNER'S REPRESENTATIVE OF ACCEPTANCE OF THE WORK, EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTS SUBJECT TO GUARANTEE; OR, IF THERE ARE ANY DEFICIENCIES, THE CONTRACTOR WILL BE NOTIFIED OF THE REQUIREMENTS NECESSARY FOR COMPLETION OF THE WORK. PLANTINGS SHALL NOT BE CONSIDERED ACCEPTED UNTIL ALL DEFICIENCIES HAVE BEEN CORRECTED AND APPROVED IN WRITING.

(9.3) NURSERY STOCK SHALL BE FULLY GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL ACCEPTANCE. ALL PLANTS THAT FAIL TO MAKE NEW GROWTH FROM A DORMANT CONDITION OR THAT DIE DURING THE FIRST YEAR AFTER PLANTING SHALL BE REPLACED. ALL REPLACEMENTS SHALL CONFORM WITH THE ORIGINAL SPECIFICATIONS AS TO SIZE AND TYPE. ALL COSTS OF REPLACEMENTS SHALL BE BORNE BY THE CONTRACTOR.

(10) ALL OTHER ITEMS NECESSARY TO MAKE WORK COMPLETE

(10.1) ANY PLANT MATERIAL NOT PLANTED SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED MATERIALS, RUBBISH AND DEBRIS FROM THE SITE UPON COMPLETION OF HIS WORK.

(10.2) WASTE MATERIAL SHALL BE REMOVED FROM THE SITE DAILY.

(10.3) KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION AT ALL TIMES.

(10.4) PROTECT SEEDED AREAS AND MATERIALS FROM DAMAGE DUE TO OPERATIONS BY OTHER CONTRACTORS, TRADES, AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND UNTIL FINAL ACCEPTANCE. TREAT, REPAIR OR REPLACE DAMAGED SEEDED AREAS AS DIRECTED.

(10.5) FINAL ACCEPTANCE WILL BE GIVEN BY THE OWNER OR THE OWNER'S REPRESENTATIVE UPON SATISFACTORY COMPLETION OF ALL WORK INCLUDING "PUNCH LIST" ITEMS.



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Candlewood Solar LLC
Candlewood Mountain Road

No. Revision Date Appvd.

Designed by Checked by

Planting Specifications

Construction

Project Number

02/28/20