

C-TEC SOLAR, LLC

"ELLINGTON SOLAR"

277 SADDs MILL RD ELLINGTON, CT

LIST OF DRAWINGS

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SITE INFORMATION

SITE NAME: "ELLINGTON SOLAR"

LOCATION: 277 SADDs MILL RD
ELLINGTON, CT

SITE TYPE/DESCRIPTION: ADD (1) GROUND MOUNTED SOLAR PANEL ARRAY W/ ASSOCIATED EQUIPMENT, AND STORMWATER MANAGEMENT.

PROPERTY OWNER: THOMPSON FAMILY LAND TRUST
SADDs MILL RD
ELLINGTON, CT

APPLICANT: C-TEC SOLAR, LLC
1 GRIFFIN RD SOUTH, SUITE 200
BLOOMFIELD, CT 06002

ENGINEER CONTACT: BRADLEY J. PARSONS, P.E.
(860) 663-1697 x208

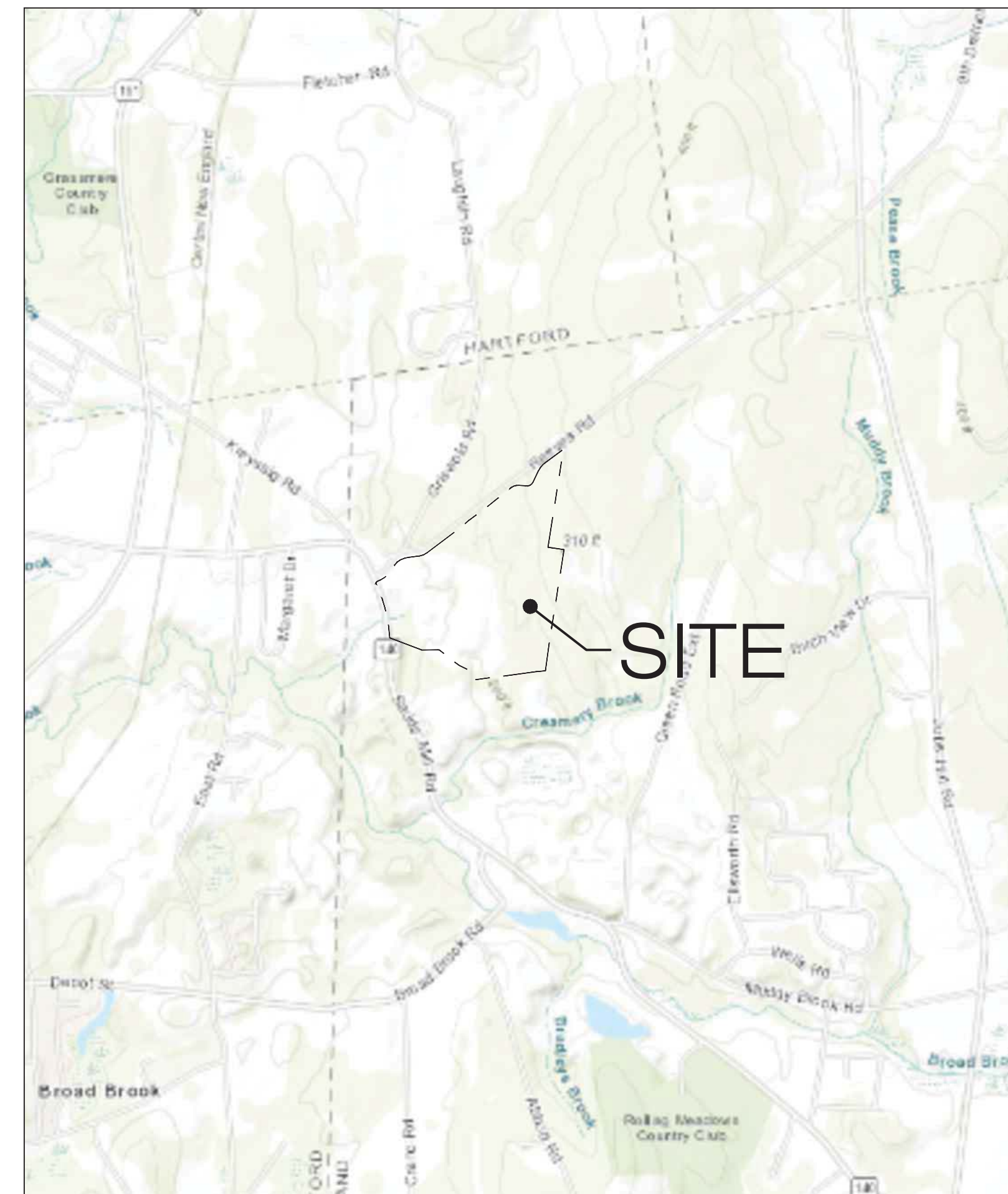
LATITUDE: 41°56'10.28" N
LONGITUDE: 72°30'11.16" W
ELEVATION: 250'± AMSL

MBLU: 136 004 0000 & 157 006 0000
ZONE: I AND BAR
EXISTING LAND USE: MATERIALS FACILITY
PROPOSED LAND USE: COMMUNICATIONS, TRANSPORTATION AND PUBLIC UTILITY USES
- LARGE SCALE GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS

TOTAL SITE ACREAGE: 157.30± AC.
TOTAL DISTURBED AREA: 32.13± AC.

APPROX. VOLUME OF CUT: 16,770± CY
APPROX. VOLUME OF FILL: 14,999± CY
APPROX. NET VOLUME: 1,771± CY OF CUT

USGS TOPOGRAPHIC MAP



1 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860)-580-7174



567 VAUXHAUL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CSC PERMIT SET

NO	DATE	REVISION
0	04/09/21	FOR REVIEW: BJP
1		
2		
3		
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6		

DESIGN PROFESSIONAL OF RECORD

PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 567 VAUXHAUL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385

OWNER: THOMPSON FAMILY LAND TRUST
ADDRESS: SADDs MILL RD
ELLINGTON, CT

ELLINGTON SOLAR

SITE: 277 SADDs MILL RD
ADDRESS: ELLINGTON, CT

APT FILING NUMBER: CT481520

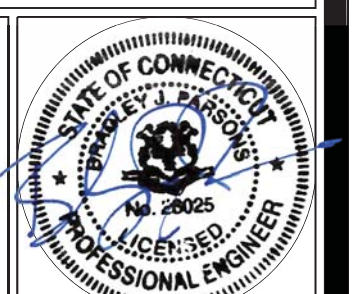
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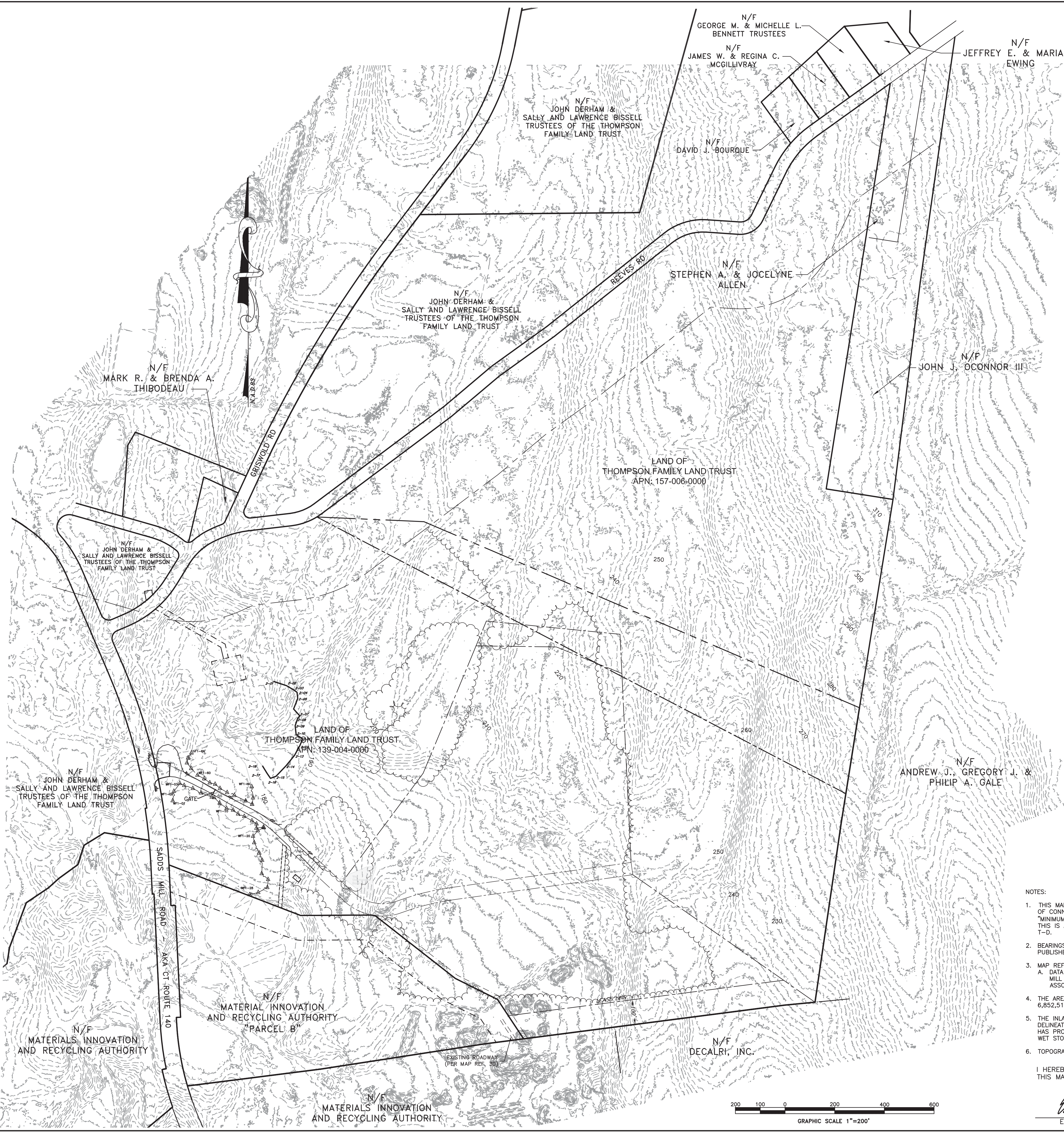
SHEET TITLE:

TITLE SHEET & INDEX

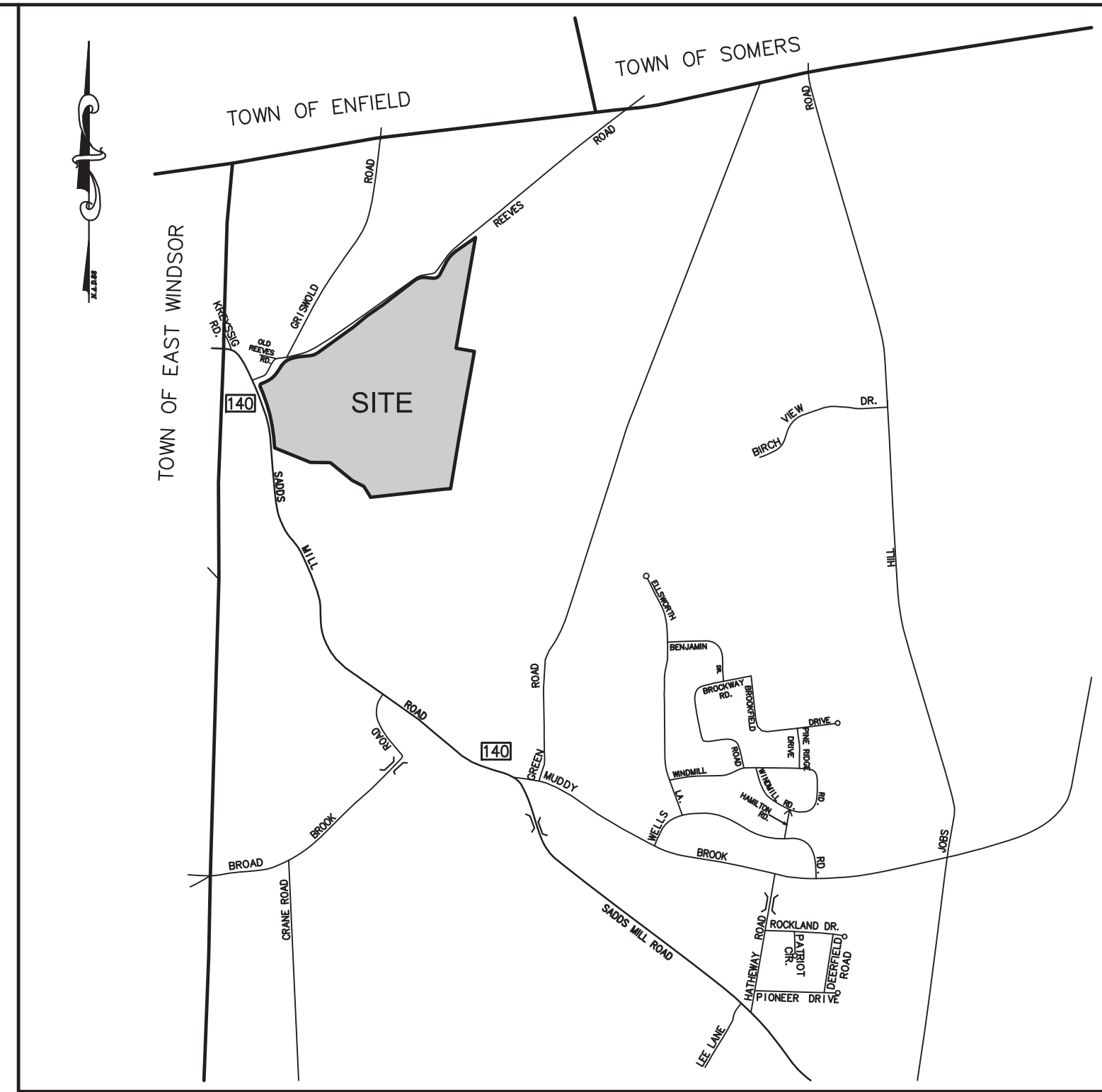
SHEET NUMBER:

T-1





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KEY MAP - SCALE: 1"=2,000'

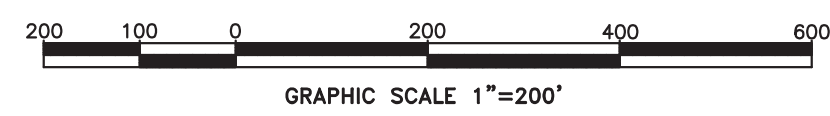
- NOTES:
1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20, "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT". THIS IS A TOPOGRAPHIC SURVEY CONFORMING TO TOPOGRAPHIC ACCURACY CLASS T-D.
 2. BEARINGS DEPICTED ON THIS PLAN ARE BASED ON CGS NAD 83 DATUM PER THE PUBLISHED COORDINATES OF CTGS 1123 & 6363 MONUMENTS.
 3. MAP REFERENCES:
 A. DATA ACCUMULATION PLAN LAND OF THOMPSON FAMILY LAND TRUST SADDLES MILL ROAD - CT ROUTE 140 ELLINGTON, CONNECTICUT GARDNER & PETERSON ASSOCIATES, LLC DATE: 10-20-2020 SHEET 1 OF 1 MAP NO 4974B.
 4. THE AREA OF PARCELS APN: 139-004-0000 & APN: 157-006-0000 TOTALS 6,852,512 SQ.FT. OR 157.31 ACRES.
 5. THE INLAND WETLANDS WITHIN THE FUTURE SOLAR LEASE AREA ARE AS FIELD DELINEATED BY ALL-POINTS TECHNOLOGY CORP. ALL-POINTS TECHNOLOGY CORP. HAS PROVIDED THE WETLAND LOCATION FOR FLAGS 2-01 THRU 2-18 AND THE WET STORMWATER BASIN.
 6. TOPOGRAPHY DEPICTED ON THIS PLAN IS FROM 2016 CT LIDAR.

I HEREBY DECLARE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

ERIC R. PETERSON L.S. 23430
 REGISTRATION NO.

LEGEND

	PROPERTY LINE
	EASEMENT
	UTILITY POLE
	OVERHEAD WIRES
	SIGN
	ELEVATION CONTOUR
	EXISTING ELEVATION
	ZONE LINE
	WETLAND BOUNDARY
	APPROXIMATE TREELINE



TOPOGRAPHIC SURVEY LAND OF THOMPSON FAMILY LAND TRUST SADDLES MILL ROAD - CT ROUTE 140 ELLINGTON, CONNECTICUT				
GARDNER & PETERSON ASSOCIATES, LLC 178 HARTFORD TURNPIKE TOLLAND, CONNECTICUT PROFESSIONAL ENGINEERS LAND SURVEYORS				
REVISIONS 12-01-2020 WETLANDS 2-01 THRU 2-18				
BY	SCALE	DATE	SHEET NO.	MAP NO.
M.A.P.	1"=200'	10-20-2020	1 OF 1	4974T

GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH PROJECT DEVELOPER STANDARDS, TOWN OF ELLINGTON STANDARDS, CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS IN THE ABOVE REFERENCED INCREASING HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
- IF NO PROJECT CONSTRUCTION SPECIFICATION PACKAGE IS PROVIDED BY THE PROJECT DEVELOPER OR THEIR REPRESENTATIVE, THE CONTRACTOR SHALL COMPLY WITH THE MANUFACTURE, TOWN OF ELLINGTON, OR CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND BE IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
- THE PROJECT DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING AND STORMWATER PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL TOWN OF ELLINGTON CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- REFER TO PLANS, DETAILS AND REPORTS PREPARED BY ALL-POINTS TECHNOLOGY CORPORATION FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE PROJECT DEVELOPER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING/CONSTRUCTION. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONFIRMED WITH THE PROJECT DEVELOPERS CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS PER PLANS AND SPECIFICATIONS TO THE PROJECT DEVELOPER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- SHOULD ANY UNKNOWN OR INCORRECTLY LOCATED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE PROJECT DEVELOPER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE PROJECT DEVELOPER OR OTHERS DURING OCCUPIED HOURS, EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE PROJECT DEVELOPER AND THE LOCAL MUNICIPALITY. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
- THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL COMPLY WITH OSHA CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
- THE ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ENGINEER HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OF PERSONNEL OR TO SUPERVISE SAFETY AND DO NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
- THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, CONDUIT, PAVEMENT, CURBING, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE PROJECT DEVELOPER OR TOWN OF ELLINGTON.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE PROJECT DEVELOPER AT THE END OF CONSTRUCTION.
- ALTERNATIVE METHODS AND PRODUCTS, OTHER THAN THOSE SPECIFIED, MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING/CONSTRUCTION PROCESS.
- INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG SAFE" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "811" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
- NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.

SITE PLAN NOTES

- THE SURVEY WAS PROVIDED BY GARDNER & PETERSON ASSOCIATES, LLC. DATED OCTOBER 20, 2020.
- THERE ARE BVWS LOCATED ON THE SITE AS INDICATED ON THE PLANS. BVW BOUNDARIES WERE FLAGGED AND LOCATED BY ALL-POINTS TECHNOLOGY, IN SEPTEMBER AND NOVEMBER 2020.
- THERE WILL BE GRADING ON-SITE ASSOCIATED WITH THE PROPOSED STORM WATER CONTROLS AND AREAS GREATER THAN 15% SLOPE. THE GRADING ON SITE IS INTENDED TO DIRECT STORMWATER RUNOFF TO THE PROPOSED STORMWATER CONTROLS.
- THE CONTRACTOR SHALL FOLLOW THE RECOMMENDED SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN OR SUBMIT AN ALTERNATE PLAN FOR APPROVAL BY THE ENGINEER AND/OR PERMITTING AGENCIES PRIOR TO THE START CONSTRUCTION. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR BVWS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. IN ADDITION, THE CONTRACTOR SHALL ADHERE TO "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY GOVERNMENT AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
- ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK, SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8' LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
- ALL DISTURBANCE INCURRED TO PUBLIC, MUNICIPAL, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF ELLINGTON AND STATE OF CONNECTICUT.
- IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT.

UTILITY NOTES

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN OF ELLINGTON TO SECURE CONSTRUCTION PERMITS AND FOR PAYMENT OF FEES FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES.
- REFER TO DRAWINGS BY PROJECT DEVELOPER FOR THE ONSITE ELECTRICAL DRAWINGS AND INTERCONNECTION TO EXISTING ELECTRICAL GRID. SITE CONTRACTOR SHALL SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY AT BUILDING CONNECTION POINT OR AT EXISTING UTILITY OR PIPE CONNECTION POINT. THESE DETAILS ARE NOT INCLUDED IN THESE PLANS.
- UTILITY LOCATIONS AND PENETRATIONS ARE SHOWN FOR THE CONTRACTORS INFORMATION AND SHALL BE VERIFIED WITH THE ELECTRICAL ENGINEER AND THE PROJECT DEVELOPERS CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE PROP. SANITARY SEWERS AND WHERE PROP. STORM PIPING WILL CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE PROJECT DEVELOPER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED SANITARY SEWERS, STORM PIPING AND UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
- UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
- THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY PROVIDERS AND GOVERNING AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER.
- THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.
- ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE TOWN OF ELLINGTON.
- ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
- RELOCATION OF UTILITY PROVIDER FACILITIES, SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.
- THE CONTRACTOR SHALL COMPACT PIPE BACKFILL IN 8' LIFTS ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE USED PER THE TRENCH DETAILS AND IN AREAS OF ROCK EXCAVATION.
- CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.
- A ONE-FOOT MINIMUM VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED. A SIX-INCH MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN STORM PIPING AND SANITARY SEWER. A 6-INCH TO 18-INCH VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPING AND STORM PIPING SHALL REQUIRE CONCRETE ENCASUREMENT OF THE PROP. SANITARY PIPING.
- THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPE, CONDUIT, PAVEMENT, CURBING, SIDEWALKS, DRAINAGE STRUCTURE, SWALE OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION, TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE PROJECT DEVELOPER AND TOWN OF ELLINGTON.
- INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY, AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE INCLUDING SERVICES. CONTACT "DIG SAFE" AT 811 72 HOURS PRIOR TO CONSTRUCTION AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY AND STORM DRAINAGE LOCATIONS. THE CONTRACTOR SHALL EMPLOY THE USE OF A UTILITY LOCATING COMPANY TO PROVIDE SUBSURFACE UTILITY ENGINEERING CONSISTING OF DESIGNATING UTILITIES AND STORM PIPING ON PRIVATE PROPERTY WITHIN THE CONTRACT LIMIT AND CONSISTING OF DESIGNATING AND LOCATING WHERE PROP. UTILITIES AND STORM PIPING CROSS EXISTING UTILITIES AND STORM PIPING WITHIN THE CONTRACT LIMITS.
- THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. THE CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR PAVEMENTS AS NECESSARY.
- ELECTRIC DRAWINGS AND REQUIREMENTS ARE NOT INCLUDED AS PART OF THIS DRAWING SET AND SHOULD BE OBTAINED FROM THE PROJECT DEVELOPER.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS UNTIL AUTHORIZED TO DISCONNECT BY THE PROJECT DEVELOPER, TOWN OF ELLINGTON, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.

GENERAL LEGEND		
	EXISTING	PROPOSED
PROPERTY LINE	— — — — —	
BUILDING SETBACK	— — — — —	
SOLAR SETBACK	— . — — — . — — —	
EASEMENT	— — — — —	
TREE LINE	— — — — —	— — — — —
WETLAND	— — — — —	
WETLAND BUFFER	— — — — —	
VERNAL POOL	— — — — —	
VERNAL POOL BUFFER	— . — — — . — — —	
WATERCOURSE	— — — — —	
WATERCOURSE BUFFER	— — — — —	
MAJOR CONTOUR	— — — — —	— — — — —
MINOR CONTOUR	— — — — —	— — — — —
UNDERGROUND ELECTRIC		— E — E —
OVERHEAD ELECTRIC		— OH — OH —
GAS LINE		— — — — —
WATER LINE		— W — W —
BASIN		— . . . — . . . — . . .
SWALE		— > — — — — —
FENCE		— O — O — O —
LIMIT OF DISTURBANCE		— LOD —
LIMIT OF CLEARING AND GRUBBING		— LCG —
FILTER SOCK		— FS — FS —
SILT FENCE		— SF — SF —
BAFFLE		— — — — —



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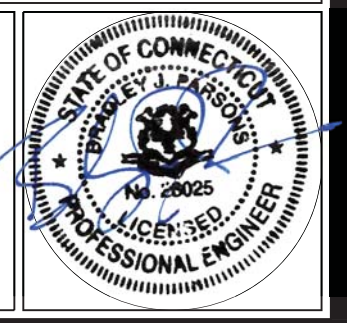
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CHECKED BY: BJP

SHEET TITLE:

OVERALL LOCUS MAP

SHEET NUMBER:

OP-1



1 OVERALL LOCUS MAP
OP-1 SCALE: 1" = 200'-0"

EROSION CONTROL NOTES

EROSION AND SEDIMENT CONTROL PLAN NOTES

- THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF ELLINGTON, PERMITTEE, AND/OR SWPCP MONITOR. ALL PERIMETER SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- THESE DRAWINGS ARE ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL MEASURES FOR THIS SITE. SEE CONSTRUCTION SEQUENCE FOR ADDITIONAL INFORMATION. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN ARE SHOWN AS REQUIRED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL EROSION CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO STORM DRAINAGE SYSTEMS AND/OR WATERCOURSES. ACTUAL SITE CONDITIONS OR SEASONAL AND CLIMATIC CONDITIONS MAY WARRANT ADDITIONAL CONTROLS OR CONFIGURATIONS, AS REQUIRED, AND AS DIRECTED BY THE PERMITTEE AND/OR SWPCP MONITOR. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
- A BOND OR LETTER OF CREDIT MAY BE REQUIRED TO BE POSTED WITH THE GOVERNING AUTHORITY FOR THE EROSION CONTROL INSTALLATION AND MAINTENANCE.
- THE CONTRACTOR SHALL APPLY THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN IN CONJUNCTION WITH CONSTRUCTION SEQUENCING, SUCH THAT ALL ACTIVE WORK ZONES ARE PROTECTED. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, SITE ENGINEER, MUNICIPAL OFFICIALS, OR ANY GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR INSTALLED SEDIMENTATION AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS WEEKLY AND WITHIN 24 HOURS OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCHES OR GREATER TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS AS NECESSARY IN A TIMELY MANNER.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (SILT FENCE, COMPOST FILTER SOCK, EROSION CONTROL BLANKET, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.
- ALL FILL MATERIAL PLACED ADJACENT TO ANY WETLAND AREA SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN MAXIMUM ONE FOOT LIFTS, AND SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.
- PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING, ORANGE SAFETY FENCE, CONSTRUCTION TAPE, OR EQUIVALENT FENCING/TAPE. ANY LIMB TRIMMING SHOULD BE DONE AFTER CONSULTATION WITH AN ARBORIST AND BEFORE CONSTRUCTION BEGINS IN THAT AREA; FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.
- CONSTRUCTION ENTRANCES (ANTI-TRACKING PADS) SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF ALL CONSTRUCTION IF REQUIRED. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED. CONTRACTOR SHALL ENSURE THAT ALL VEHICLES EXITING THE SITE ARE PASSING OVER THE ANTI-TRACKING PADS PRIOR TO EXISTING.
- ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SEDIMENT BARRIER UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE BARRIER.
- NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS. ALL SLOPES SHALL BE SEEDED AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE CONFORMING TO THE GUIDELINES WITHIN THE APPROVED LIMIT OF DISTURBANCE IF REQUIRED. DISCHARGE TO STORM DRAINS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR AND APPROVED BY THE PERMITTEE OR MUNICIPALITY.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES AND SECURED APPROPRIATELY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE/CONTAINMENT.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDING WITH TACKIFIER.
- SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAYS DAMP. CALCIUM CHLORIDE MAY ALSO BE APPLIED TO ACCESS ROADS. DUMP TRUCK LOADS EXITING THE SITE SHALL BE COVERED.
- VEGETATIVE ESTABLISHMENT SHALL OCCUR ON ALL DISTURBED SOIL, UNLESS THE AREA IS UNDER ACTIVE CONSTRUCTION, IT IS COVERED IN STONE OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES SHALL BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.
- MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP CONCRETE PADS, CLEAN THE STORMWATER MANAGEMENT SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM PERMITTEE OR THE MUNICIPALITY.
- DURING CONSTRUCTION, CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITH ANNUAL RYE. FINAL SEEDING MIXTURE WITHIN THE FENCED ARRAY SHALL BE CT SOLAR ARRAY MIX - 36" SEED MIX (SEE SITE DETAILS SHEET 7/DN-1), OR APPROVED EQUAL BY OWNER. FINAL SEEDING MIXTURE OUTSIDE THE FENCED ARRAY SHALL BE ERNST SOLAR FARM SEED MIX (ERNMX-186) (SEE SITE DETAILS SHEET 8/DN-1), OR APPROVED EQUAL BY OWNER. APPLICATION RATE SHALL BE PER THE MANUFACTURERS SEED MIX SPECIFICATION.

CONSTRUCTION OPERATION AND MAINTENANCE PLAN - BY CONTRACTOR		
E&S MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.
COMPOST FILTER SOCK	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED.
SILT FENCE	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.
TOPSOIL/BORROW STOCKPILES	DAILY	REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY.
TEMPORARY SEDIMENT BASIN (W/ BAFFLES)	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.5"	REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO ONE HALF OF MINIMUM REQUIRED VOLUME OF THE WET STORAGE. DEWATERING AS NEEDED. RESTORE TRAP TO ORIGINAL DIMENSIONS. REPAIR/REPLACE BAFFLES WHEN FAILURE OR DETERIORATION IS OBSERVED.

SEDIMENT & EROSION CONTROL NARRATIVE

- THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING THE CLEARING, GRUBBING AND GRADING OF APPROXIMATELY 32.13± ACRES OF EXISTING LOT.

THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

- CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
 - CONSTRUCTION OF A TOTAL OF 18,432 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
 - THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
- FOR THIS PROJECT, THERE ARE APPROXIMATELY 32.13± ACRES OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE, AS ALL ACCESS THROUGH THE SITE WILL BE COMPACTED EARTH. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT.
 - THE PROJECT SITE, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 18, DEC 6, 2018), CONTAINS TYPE 67B, 67C, 704A, AND 704B (HYDROLOGIC SOIL GROUP B), AND TYPE 305 (HYDROLOGIC SOIL GROUP C). A GEOTECHNICAL ENGINEERING REPORT WILL BE PROVIDED BY THE PROJECT DEVELOPER.
 - IT IS ANTICIPATED THAT THE CIVIL CONSTRUCTION AND PHASE 1 OF THE SOLAR ARRAY WILL BE COMPLETED IN APPROXIMATELY 3-4 MONTHS. PHASE 2 OF THE SOLAR ARRAY WILL BE COMPLETED IN THE FUTURE.
 - REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.
 - STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2004 CONNECTICUT STORMWATER QUALITY MANUAL AND THE TOWN OF ELLINGTON STANDARDS, TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGEMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, LATEST EDITION.
 - DETAILS FOR THE TYPICAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON THE PLAN SHEETS OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.
 - CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:
 - STAGED CONSTRUCTION;
 - MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;
 - STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, OR AS REQUIRED BY THE GUIDELINES;
 - MINIMIZE IMPERVIOUS AREAS;
 - UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
 - THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
 - STORMWATER MANAGEMENT REPORT DATED APRIL 2021.
 - SWPCP DATED APRIL 2021.

SUGGESTED CONSTRUCTION SEQUENCE

THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. THE CONTRACTOR MAY ELECT TO ALTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE. THE EXISTING SITE ACTIVITIES AND WEATHER CONDITIONS SHOULD THE CONTRACTOR ALTER THE CONSTRUCTION SEQUENCE OR ANY EROSION AND SEDIMENTATION CONTROL MEASURES THEY SHALL MODIFY THE STORMWATER POLLUTION CONTROL PLAN (SWPCP) AS REQUIRED BY THE GENERAL PERMIT. MAJOR CHANGES IN SEQUENCING AND/OR METHODS MAY REQUIRE REGULATORY APPROVAL PRIOR TO IMPLEMENTATION.

- THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING. PHYSICALLY FLAG THE LIMITS OF DISTURBANCE IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
- CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROPOSED WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY THE OWNER, THE OWNER'S REPRESENTATIVE(S), THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION, OPERATION, MONITORING AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
- NOTIFY CALL BEFORE YOU DIG AT 1-800-922-4455, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.

PHASE 1

- REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL CLEARING AND GRUBBING TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCES.
- CLEAR ONLY AS NEEDED TO INSTALL THE PERIMETER EROSION AND SEDIMENTATION CONTROL MEASURES AND, IF APPLICABLE, TREE PROTECTION. ALL WETLAND AREAS SHALL BE PROTECTED BEFORE MAJOR CONSTRUCTION BEGINS.
- INSTALL PERIMETER EROSION CONTROL.
- INSTALL GRAVEL ACCESS ROAD.
- INSTALL TEMPORARY SEDIMENT BASINS TSB-1, TSB-2A, AND TSB-2B.

PHASE 2 (UPON COMPLETION OF THE INSTALLATION OF EACH OF THE TEMPORARY SEDIMENT BASINS)

- INSTALL THE DIVERSION BERM AND BYPASS TO THE NORTH AND ASSOCIATED GRADING AS NECESSARY AS SHOWN ON EC-7.
- ONCE THE DIVERSION BERM AND BYPASS IN THE NORTH ARE IN PLACE, THE REMAINING ARRAY AREA CLEARING AND GRUBBING CAN BE COMPLETED AS REQUIRED. REMOVE CUT WOOD AND STOCKPILE FOR FUTURE USE OR REMOVE OFF-SITE. REMOVE AND DISPOSE OF DEMOLITION DEBRIS OFF-SITE IN ACCORDANCE WITH APPLICABLE LAWS.
- INSTALL TEMPORARY WOOD CHIP DIVERSION BERM.
- TEMPORARILY SEED DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.
- INSTALL REMAINING ELECTRICAL CONDUIT.
- INSTALL RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS.
- INSTALL GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION.
- AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK, INCLUDING ANY REQUIRED LANDSCAPE SCREENING, AND STABILIZE ALL DISTURBED AREAS.
- FINE GRADE, RAKE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.
- AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS AND TEMPORARY DIVERSION BERM, CLEAN AND CONVERT TEMPORARY SEDIMENT BASINS. ANY AREAS DISTURBED DURING CLEAN UP SHALL BE PERMANENTLY SEEDED.
- MONITOR THE SITE FOR TWO FULL GROWING SEASONS (APRIL-OCTOBER), THEN ISSUE NOTICE OF TERMINATION.



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PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
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OWNER: THOMPSON FAMILY LAND TRUST
ADDRESS: SADDs MILL RD
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ELLINGTON SOLAR

SITE: 277 SADDs MILL RD
ADDRESS: ELLINGTON, CT

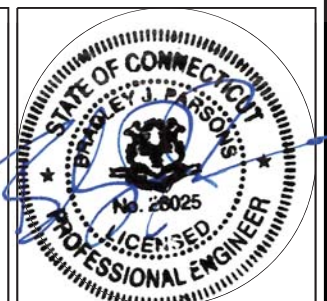
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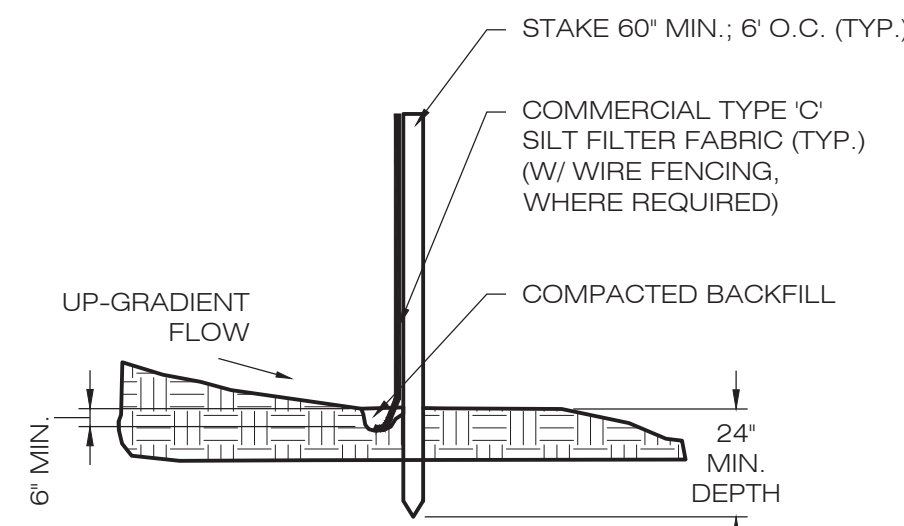
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SHEET TITLE: SEDIMENTATION & EROSION CONTROL NOTES

SHEET NUMBER:

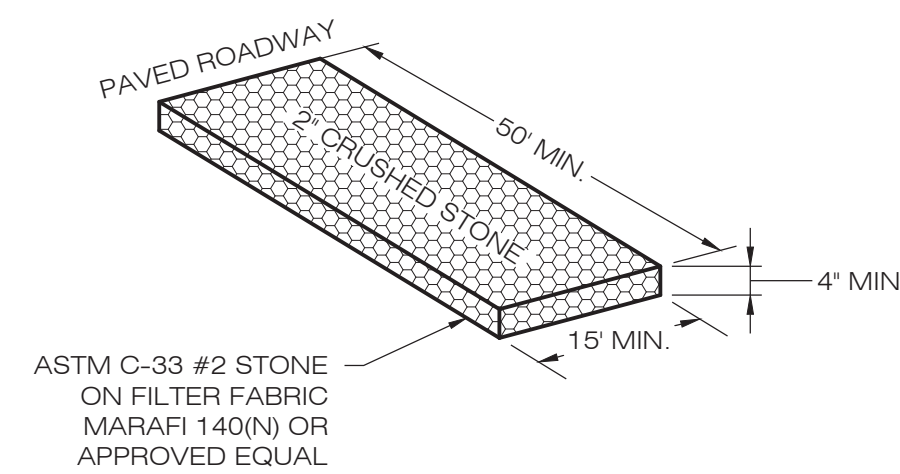
EC-1



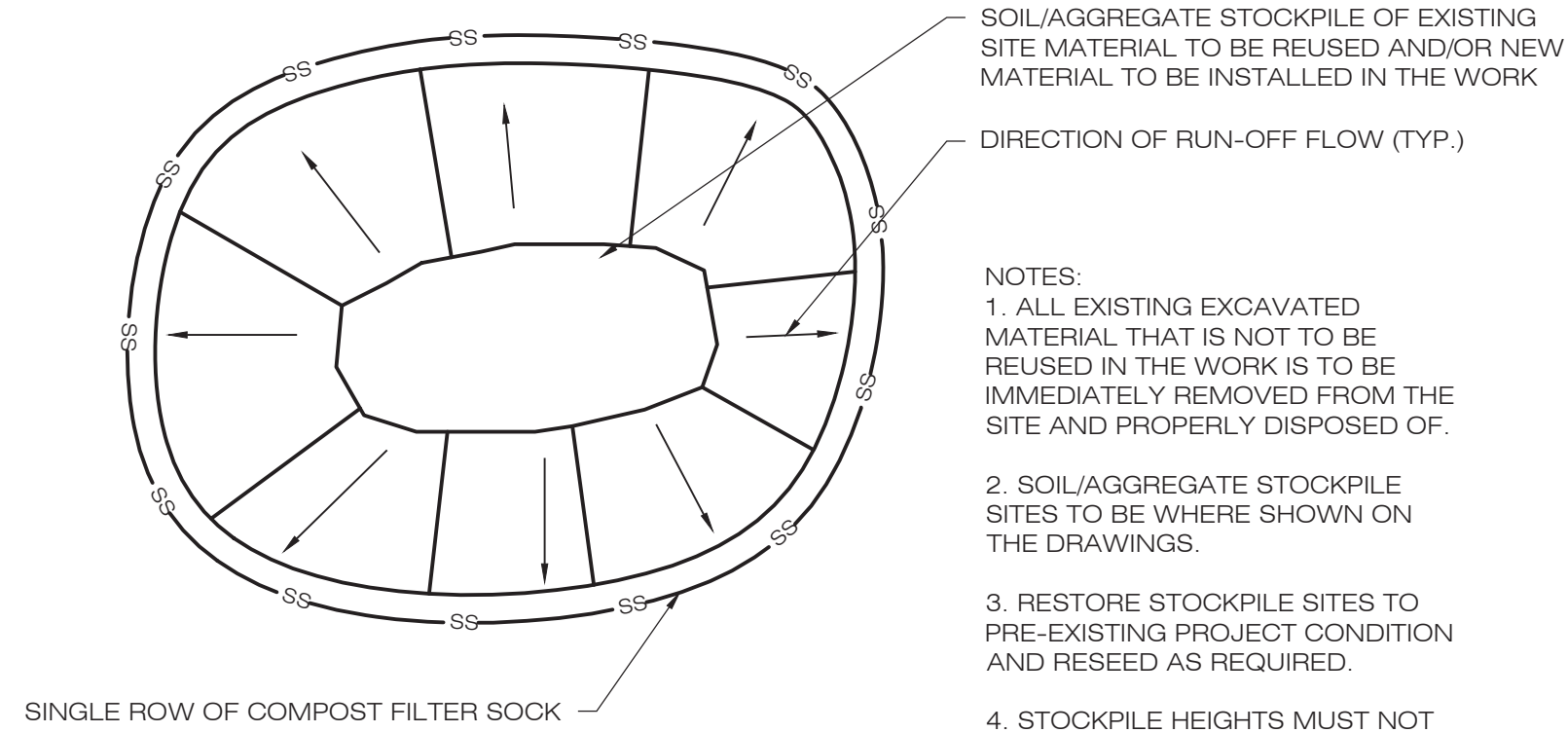


NOTE:
SILT FENCE SHALL BE LAPPED ONLY
WHEN NECESSARY PER THE
MANUFACTURER RECOMMENDATIONS.

1 SILT FENCE DETAIL
SCALE : N.T.S.



2 CONSTRUCTION ENTRANCE DETAIL
SCALE : N.T.S.

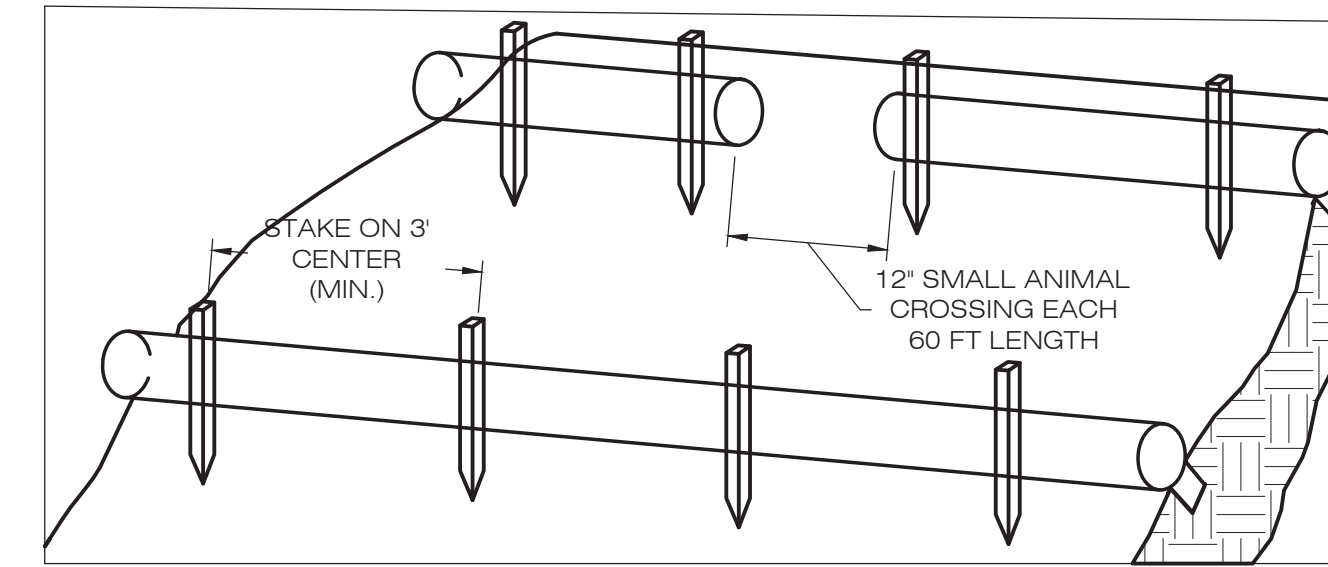


SOIL/AGGREGATE STOCKPILE OF EXISTING
SITE MATERIAL TO BE REUSED AND/OR NEW
MATERIAL TO BE INSTALLED IN THE WORK

DIRECTION OF RUN-OFF FLOW (TYP.)

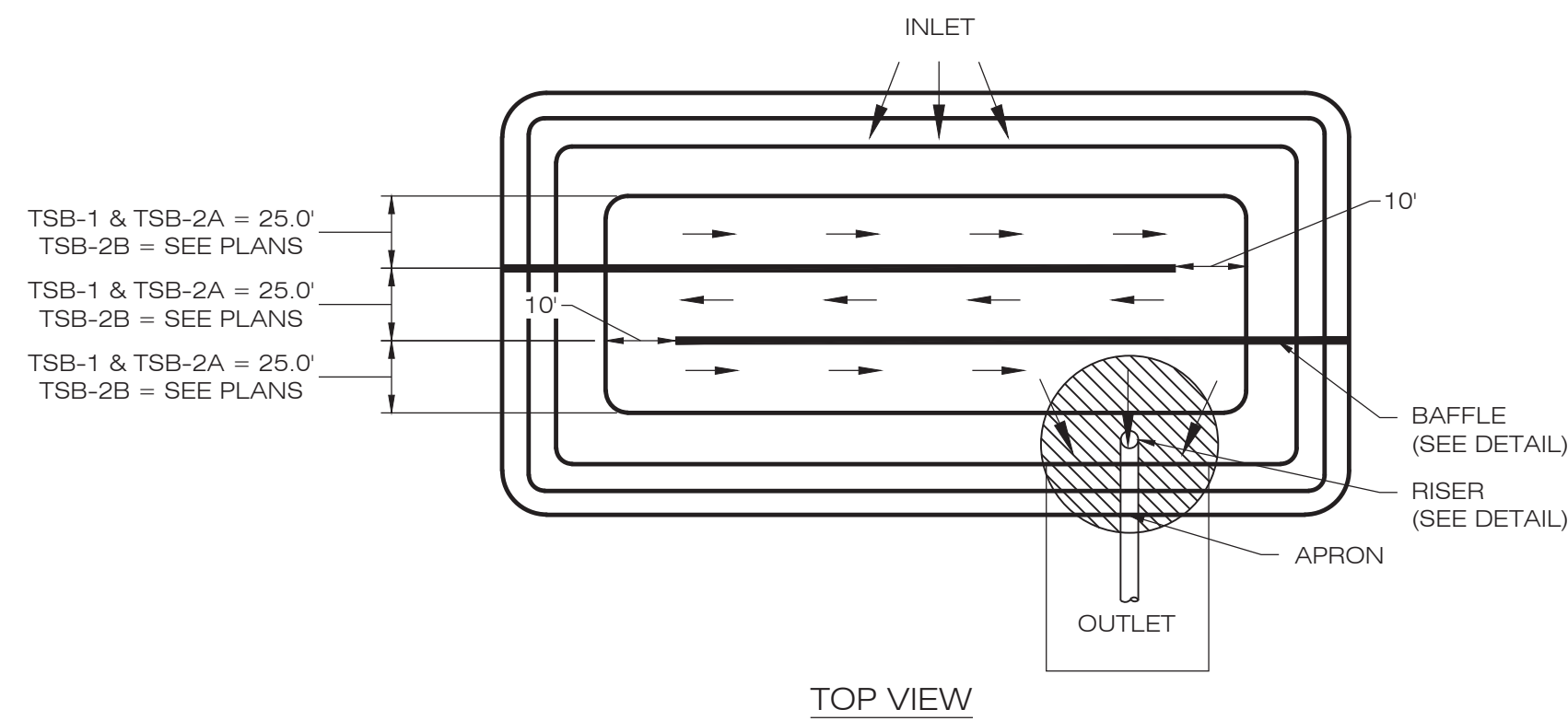
NOTES:
1. ALL EXISTING EXCAVATED
MATERIAL THAT IS NOT TO BE
REUSED IN THE WORK IS TO BE
IMMEDIATELY REMOVED FROM THE
SITE AND PROPERLY DISPOSED OF.
2. SOIL/AGGREGATE STOCKPILE
SITES TO BE WHERE SHOWN ON
THE DRAWINGS.
3. RESTORE STOCKPILE SITES TO
PRE-EXISTING PROJECT CONDITION
AND RESEED AS REQUIRED.
4. STOCKPILE HEIGHTS MUST NOT
EXCEED 35'. STOCKPILE SLOPES
MUST BE 2:1 OR FLATTER.

3 MATERIALS STOCKPILE DETAIL
SCALE : N.T.S.

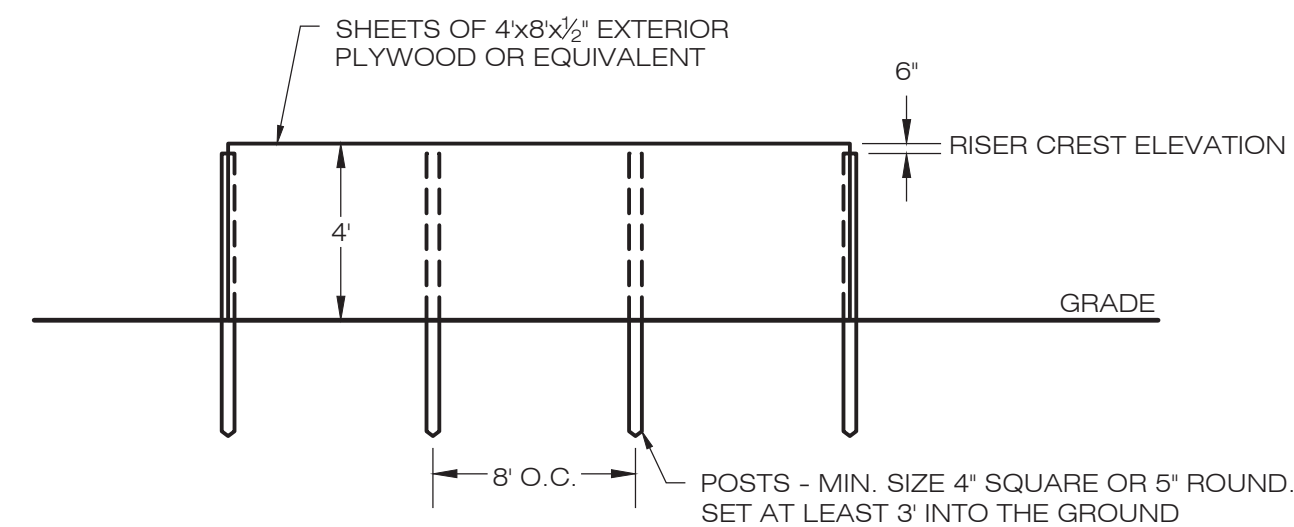


1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-3" (6-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPHILL SIDE. SOCKS SHALL BE INSTALLED IN 60 FT CONTINUOUS LENGTHS WITH ADJACENT SOCKS TIGHTLY ABUT. EVERY 60 FT THE SOCK ROW SHALL BE SPACED 12 INCHES CLEAR, END TO END, FOR AMPHIBIAN AND REPTILE TRAVEL. THE OPEN SPACES SHALL BE STAGGERED MID LENGTH OF THE NEXT DOWN GRADIENT SOCK.
3. SECURE THE SOCK WITH 18-24" (45-7.61 CM) STAKES EVERY 3'-4" (0.9 - 1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2'-3" (6-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

**COMPOST FILTER SOCK
SEDIMENTATION CONTROL BARRIER**
SCALE : N.T.S.

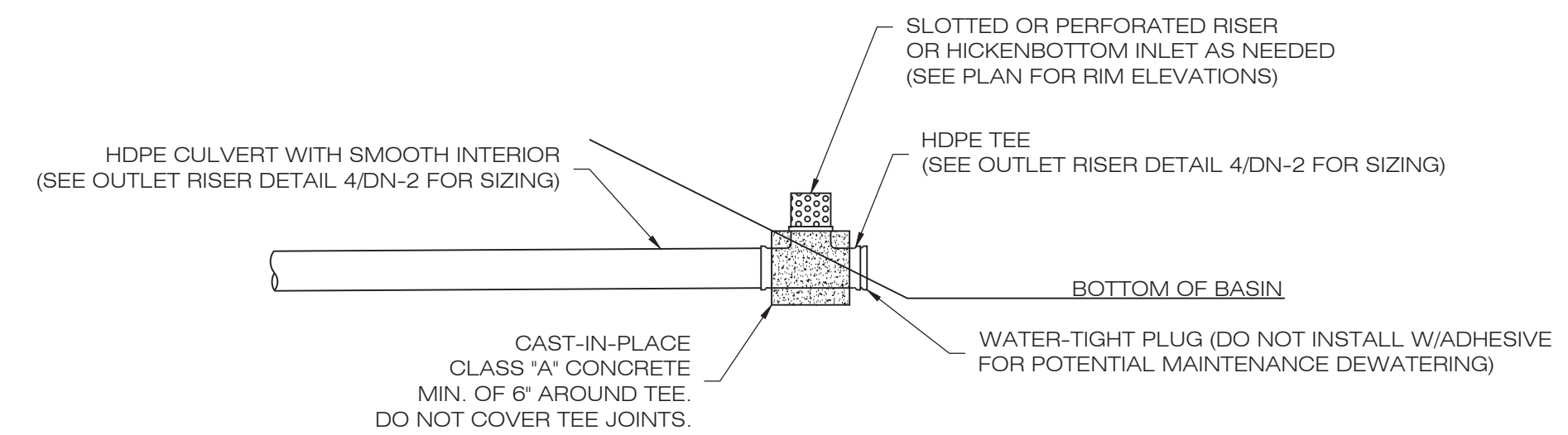


TOP VIEW

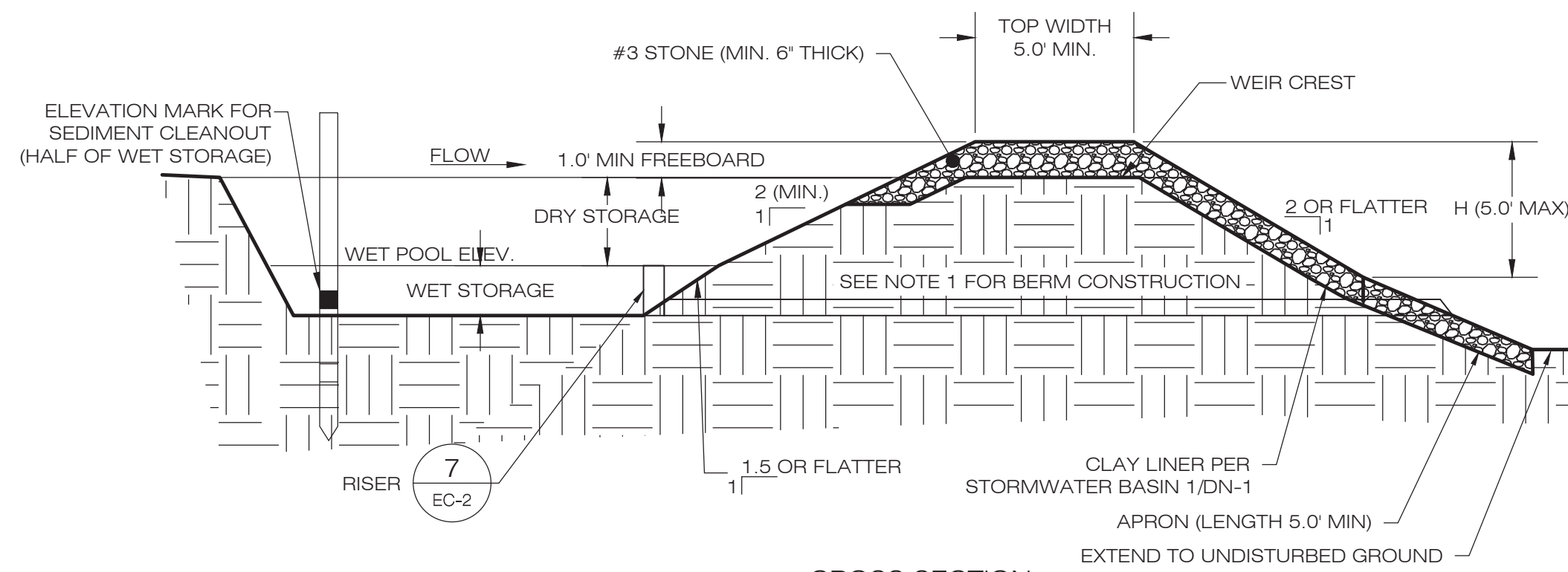


NOTES:
1. FILL ANY VOIDS BETWEEN THE BOTTOM OF THE BASIN AND BAFFLE.

6 SEDIMENT TRAP BAFFLE
SCALE : N.T.S.



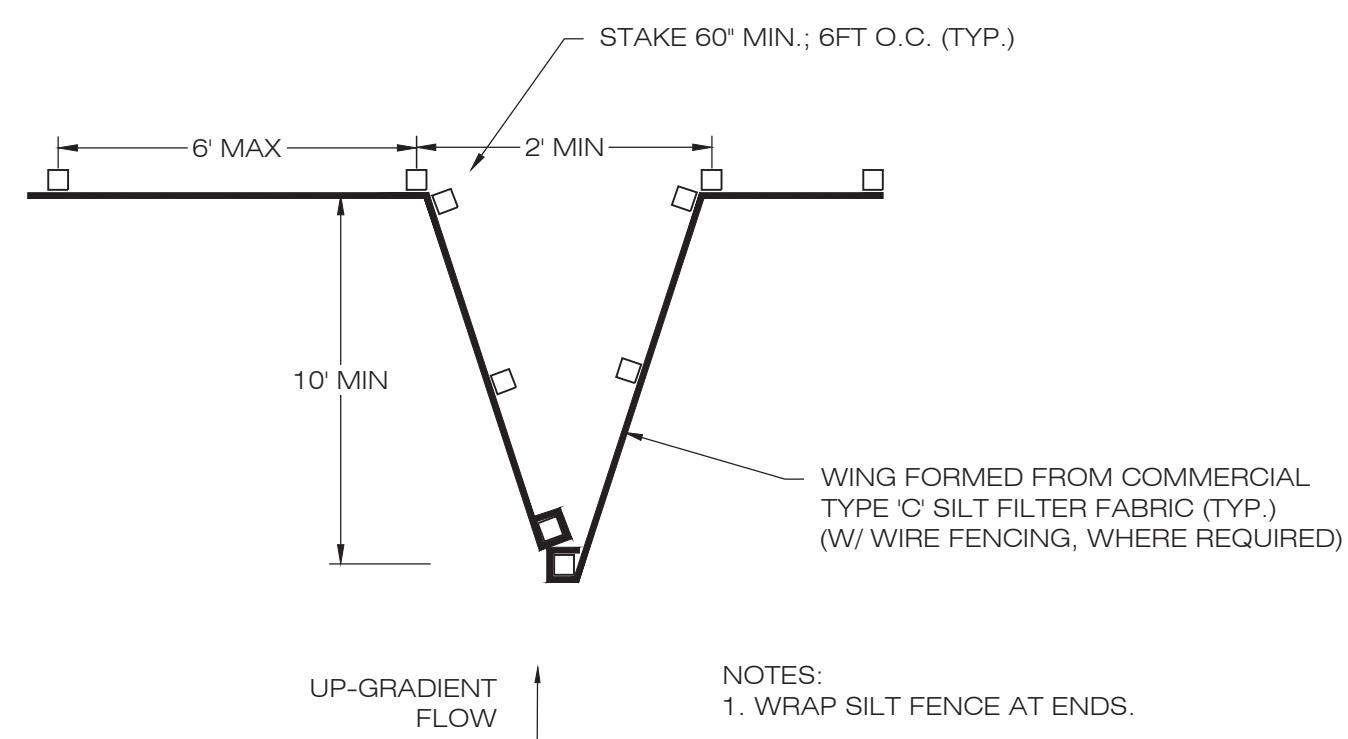
7 RISER DETAIL
SCALE : N.T.S.



CROSS SECTION

NOTES:
1. CONSTRUCT TEMPORARY SEDIMENT BASIN BERMS AND SIDEWALLS PER THE GRASS LINED BASIN DETAIL.
2. SEDIMENT BAFFLES SHALL BE INSTALLED AS SHOWN ON EC-1.
3. SEE TSB SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

5 TEMPORARY SEDIMENT BASIN
SCALE : N.T.S.



NOTES:
1. WRAP SILT FENCE AT ENDS.
2. NO JOINING FENCE SECTIONS SHALL BE
INSTALLED WITHIN 30 FEET OF WING.

8 SILT FENCE WING DETAIL
SCALE : N.T.S.

TEMPORARY SEDIMENT BASIN SIZING TABLE

NAME	DRAINAGE AREA (AC)	REQ. WET VOLUME (CF)	REQ. RESIDENCE TIME VOLUME (CF)	TOTAL VOLUME REQ. (CF)	PROP. BTM. ELEV. (FT)	PROP. OUTLET RIM ELEV. (FT)	PROP. WEIR CREST ELEV. (FT)	PROP. TOP ELEV. (FT)	WET VOL. PROVIDED (CF)	RESIDENCE TIME VOLUME PROVIDED (CF)	TOTAL VOL. PROVIDED (CF)
TSB-1	18.171 AC	35,782 CF	33,106 CF	68,888 CF	225.00'	227.00'	228.60'	230.00'	36,058 CF	33,873 CF	69,931 CF
TSB-2A	4.735 AC	9,440 CF	8,250 CF	17,690 CF	230.50'	231.50'	233.00'	234.50'	9,836 CF	17,277 CF	27,113 CF
TSB-2B	14.546 AC	28,644 CF	23,233 CF	51,877 CF	228.00'	230.10'	231.50'	233.00'	29,188 CF	25,060 CF	54,248 CF



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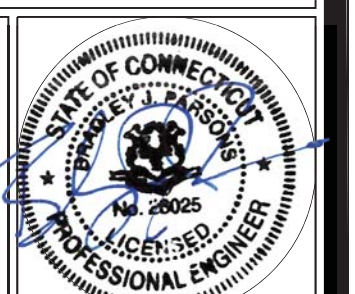
APT FILING NUMBER: CT481520

DATE: 04/09/21 DRAWN BY: JT CHECKED BY: BJP

SHEET TITLE:
SEDIMENTATION & EROSION CONTROL DETAILS

SHEET NUMBER:

EC-2

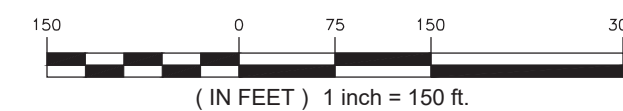




PHASE 1 CLEARING LEGEND

CLEARING AND GRUBBING	
TREE CUTTING ONLY	

1 PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN
 EC-3 SCALE: 1" = 150'-0"



PROP. PHASE 1 TREE CUTTING ONLY (±2.97 AC). TREE CUTTING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL TREES WITH STUMPS TO REMAIN. CUT TREE MATERIAL TO BE CHIPPED & STOCKPILED. TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDED. (TYP.)

PROP. PHASE 1 CLEARING AND GRUBBING (±3.74 AC). CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDED. (TYP.)

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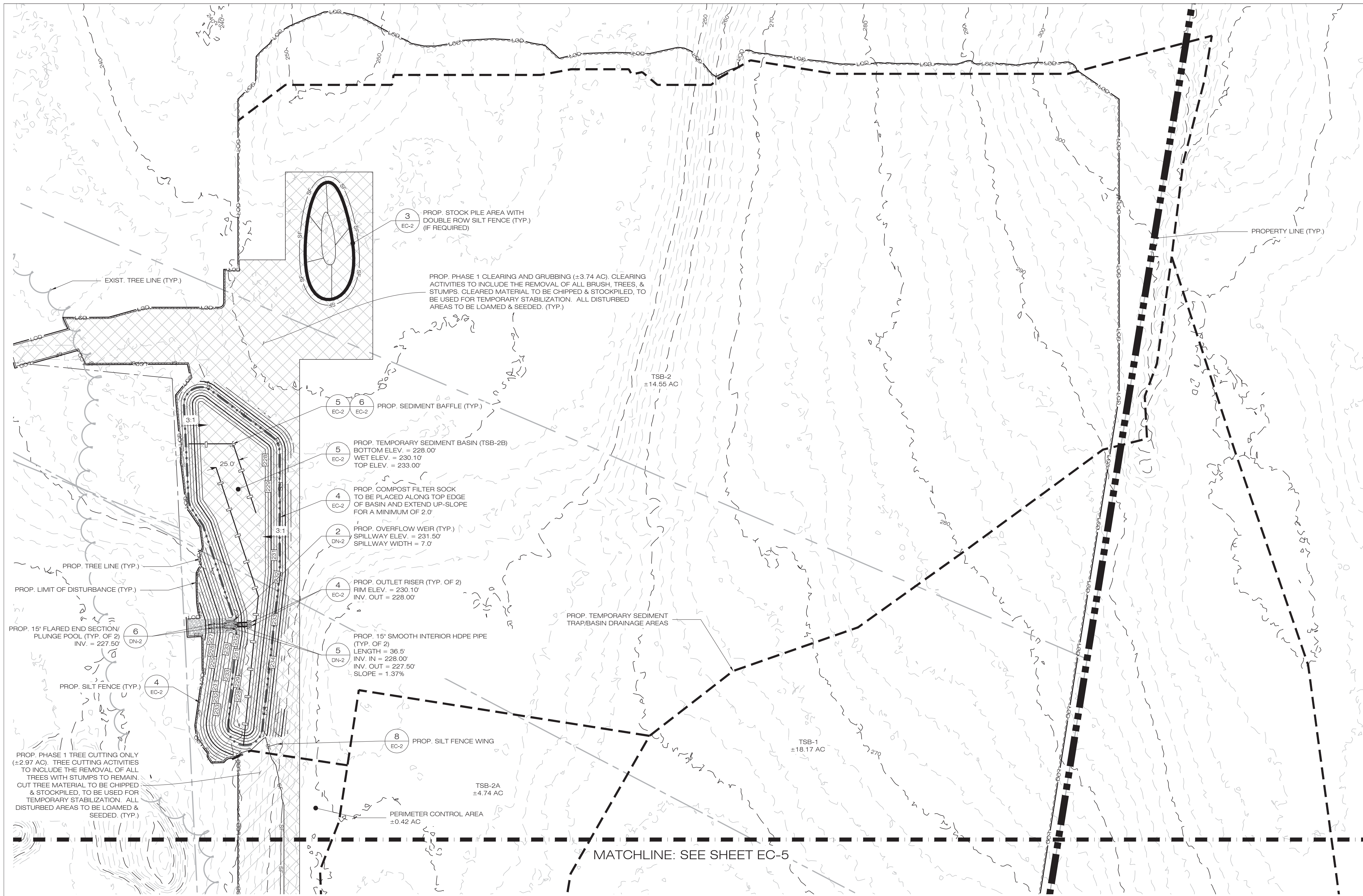
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DESIGN PROFESSIONAL OF RECORD
 PROF: BRADLEY J. PARSONS P.E.
 COMP: ALL-POINTS TECHNOLOGY CORPORATION
 ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311
 WATERFORD, CT 06385
 OWNER: THOMPSON FAMILY LAND TRUST
 ADDRESS: SADD'S MILL RD
 ELLINGTON, CT

ELLINGTON SOLAR
 SITE: 277 SADD'S MILL RD
 ADDRESS: ELLINGTON, CT
 APT FILING NUMBER: CT481520
 DRAWN BY: JT
 DATE: 04/09/21 CHECKED BY: BJP

SHEET TITLE:
PHASE 1 SEDIMENTATION & EROSION CONTROL PLAN

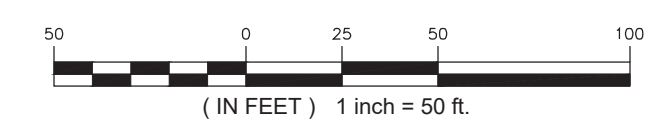
SHEET NUMBER:
EC-3



PHASE 1 CLEARING LEGEND

CLEARING AND GRUBBING	
TREE CUTTING ONLY	

1 PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN
 EC-4 SCALE: 1" = 50'-0"



C-TECSOLAR
 1 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06002
 OFFICE: (860)-580-7174

ALL-POINTS TECHNOLOGY CORPORATION
 567 VAUXHAUL STREET EXTENSION - SUITE 311
 WATERFORD, CT 06385 PHONE: (860)-663-1697
 WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

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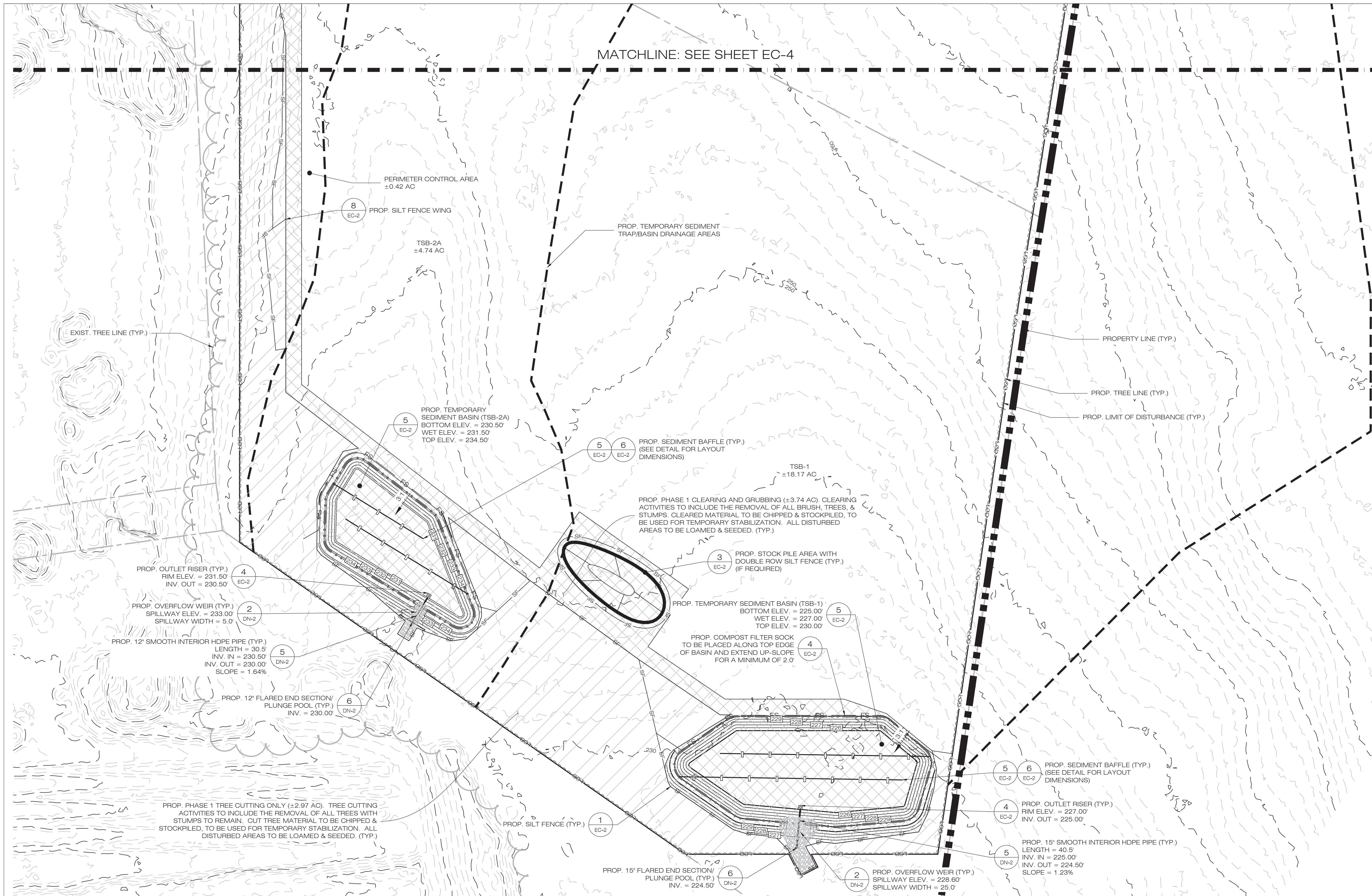
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 OWNER: THOMPSON FAMILY LAND TRUST
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ELLINGTON SOLAR
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SHEET TITLE:
 PHASE 1
 SEDIMENTATION &
 EROSION CONTROL PLAN

SHEET NUMBER:
 EC-4



MATCHLINE: SEE SHEET EC-4

PERIMETER CONTROL AREA
±0.42 AC

8
EC-2
PROP. SILT FENCE WING

TSB-2A
±4.74 AC

PROP. TEMPORARY SEDIMENT TRAP/BASIN DRAINAGE AREAS

5
EC-2
PROP. TEMPORARY SEDIMENT BASIN (TSB-2A)
BOTTOM ELEV. = 230.50'
WET ELEV. = 231.50'
TOP ELEV. = 234.50'

5 6
EC-2 EC-2
PROP. SEDIMENT BAFFLE (TYP.)
(SEE DETAIL FOR LAYOUT DIMENSIONS)

TSB-1
±18.17 AC

PROP. PHASE 1 CLEARING AND GRUBBING (±3.74 AC). CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDING. (TYP.)

3
EC-2
PROP. STOCK PILE AREA WITH DOUBLE ROW SILT FENCE (TYP.) (IF REQUIRED)

5
EC-2
PROP. TEMPORARY SEDIMENT BASIN (TSB-1)
BOTTOM ELEV. = 225.00'
WET ELEV. = 227.00'
TOP ELEV. = 230.00'

4
EC-2
PROP. COMPOST FILTER SOCK TO BE PLACED ALONG TOP EDGE OF BASIN AND EXTEND UP-SLOPE FOR A MINIMUM OF 2.0'

4
EC-2
PROP. OUTLET RISER (TYP.)
RIM ELEV. = 231.50'
INV. OUT = 230.50'

2
DN-2
PROP. OVERFLOW WEIR (TYP.)
SPILLWAY ELEV. = 233.00'
SPILLWAY WIDTH = 5.0'

5
DN-2
PROP. 12" SMOOTH INTERIOR HDPE PIPE (TYP.)
LENGTH = 30.5'
INV. IN = 230.50'
INV. OUT = 230.00'
SLOPE = 1.64%

6
DN-2
PROP. 12" FLARED END SECTION/PLUNGE POOL (TYP.)
INV. = 230.00'

PROP. PHASE 1 TREE CUTTING ONLY (±2.97 AC). TREE CUTTING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL TREES WITH STUMPS TO REMAIN. CUT TREE MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDING. (TYP.)

1
EC-2
PROP. SILT FENCE (TYP.)

6
DN-2
PROP. 15" FLARED END SECTION/PLUNGE POOL (TYP.)
INV. = 224.50'

2
DN-2
PROP. OVERFLOW WEIR (TYP.)
SPILLWAY ELEV. = 228.50'
SPILLWAY WIDTH = 25.0'

5 6
EC-2 EC-2
PROP. SEDIMENT BAFFLE (TYP.)
(SEE DETAIL FOR LAYOUT DIMENSIONS)

4
EC-2
PROP. OUTLET RISER (TYP.)
RIM ELEV. = 227.00'
INV. OUT = 225.00'

5
DN-2
PROP. 15" SMOOTH INTERIOR HDPE PIPE (TYP.)
LENGTH = 40.5'
INV. IN = 225.00'
INV. OUT = 224.50'
SLOPE = 1.23%

PROPERTY LINE (TYP.)

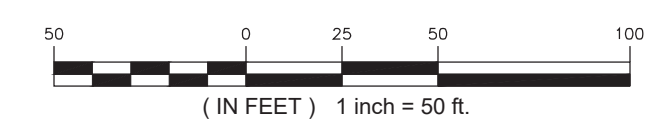
PROP. TREE LINE (TYP.)

PROP. LIMIT OF DISTURBANCE (TYP.)

PHASE 1 CLEARING LEGEND

CLEARING AND GRUBBING	
TREE CUTTING ONLY	

1
EC-5
PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN
SCALE: 1" = 50'-0"



C-TECSOLAR
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BLOOMFIELD, CT 06002
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ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHAUL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTS TECH.COM FAX: (860)-663-0935

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PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385
OWNER: THOMPSON FAMILY LAND TRUST
ADDRESS: SADD'S MILL RD ELLINGTON, CT

ELLINGTON SOLAR
SITE ADDRESS: 277 SADD'S MILL RD ELLINGTON, CT
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PHASE 1 SEDIMENTATION & EROSION CONTROL PLAN

SHEET NUMBER:
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WATERFORD, CT 06385

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ELLINGTON SOLAR

SITE: 277 SADD MILL RD
ADDRESS: ELLINGTON, CT

APT FILING NUMBER: CT481520

DATE: 04/09/21
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SHEET TITLE:
**PHASE 2
SEDIMENTATION &
EROSION CONTROL PLAN**

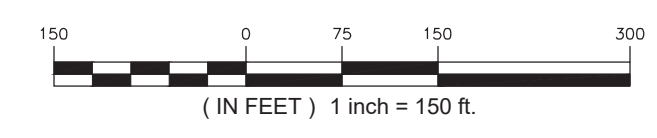
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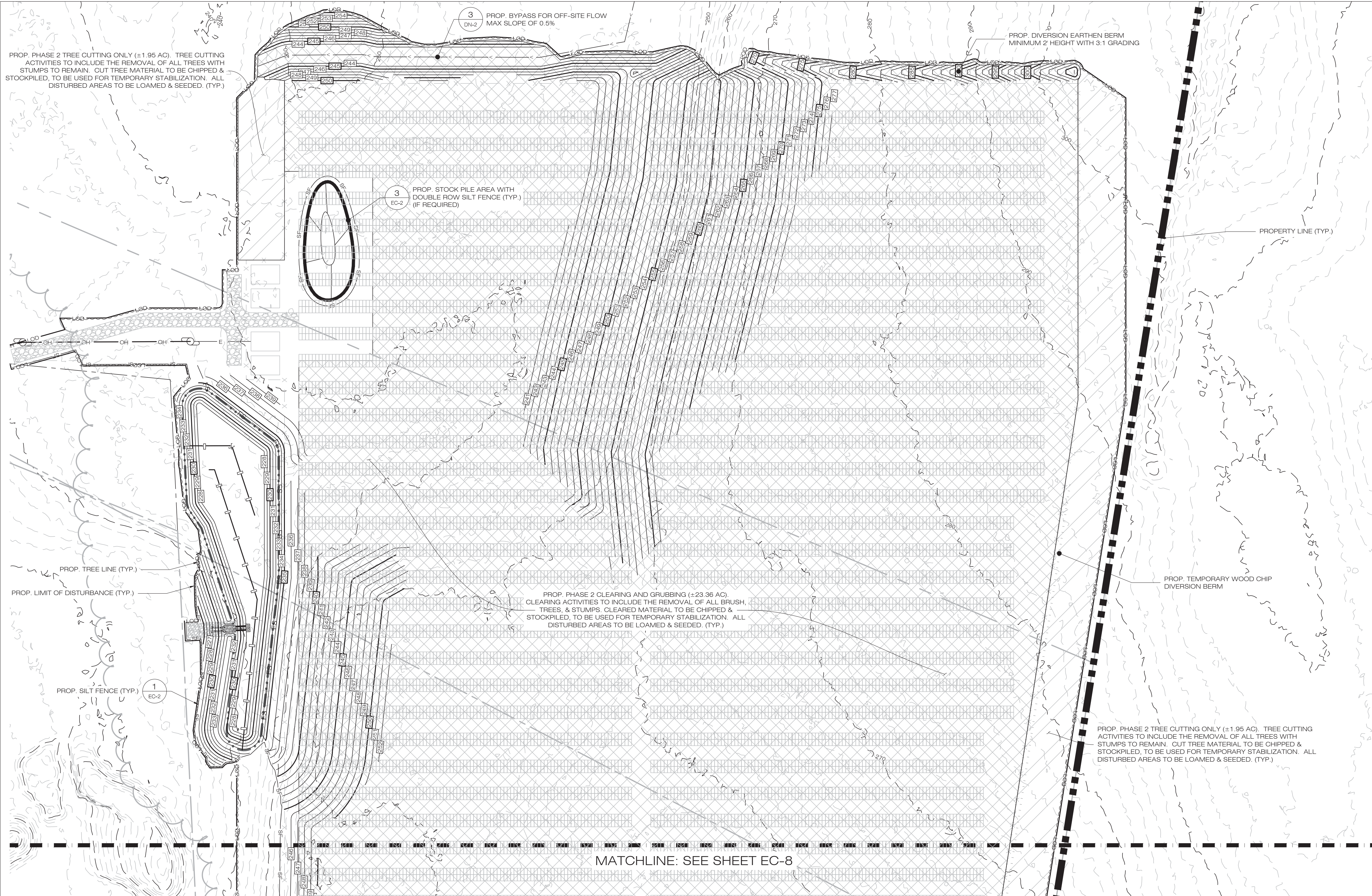
EC-6

PHASE 2 CLEARING LEGEND

CLEARING AND GRUBBING	
TREE CUTTING ONLY	

1 PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN
SCALE: 1" = 150'-0"





PROP. PHASE 2 TREE CUTTING ONLY (±1.95 AC). TREE CUTTING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL TREES WITH STUMPS TO REMAIN. CUT TREE MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDDED. (TYP.)

3
DN-2
PROP. BYPASS FOR OFF-SITE FLOW
MAX SLOPE OF 0.5%

PROP. DIVERSION EARTHEN BERM
MINIMUM 2' HEIGHT WITH 3:1 GRADING

3
EC-2
PROP. STOCK PILE AREA WITH
DOUBLE ROW SILT FENCE (TYP.)
(IF REQUIRED)

PROPERTY LINE (TYP.)

PROP. PHASE 2 CLEARING AND GRUBBING (±23.36 AC).
CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH,
TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED &
STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL
DISTURBED AREAS TO BE LOAMED & SEEDDED. (TYP.)

PROP. TEMPORARY WOOD CHIP
DIVERSION BERM

PROP. PHASE 2 TREE CUTTING ONLY (±1.95 AC). TREE CUTTING
ACTIVITIES TO INCLUDE THE REMOVAL OF ALL TREES WITH
STUMPS TO REMAIN. CUT TREE MATERIAL TO BE CHIPPED &
STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL
DISTURBED AREAS TO BE LOAMED & SEEDDED. (TYP.)

PROP. TREE LINE (TYP.)

PROP. LIMIT OF DISTURBANCE (TYP.)

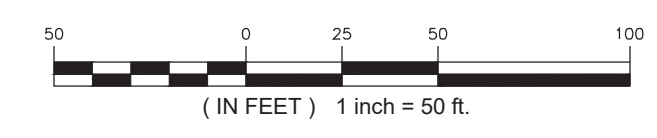
PROP. SILT FENCE (TYP.)

1
EC-2

MATCHLINE: SEE SHEET EC-8

PHASE 2 CLEARING LEGEND	
CLEARING AND GRUBBING	
TREE CUTTING ONLY	

1
EC-7
PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN
SCALE: 1" = 50'-0"



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WATERFORD, CT 06385 PHONE: (860)-663-1697
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COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 567 VAUXHAUL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385

OWNER: THOMPSON FAMILY LAND TRUST
ADDRESS: SADD'S MILL RD
ELLINGTON, CT

ELLINGTON SOLAR

SITE: 277 SADD'S MILL RD

ADDRESS: ELLINGTON, CT

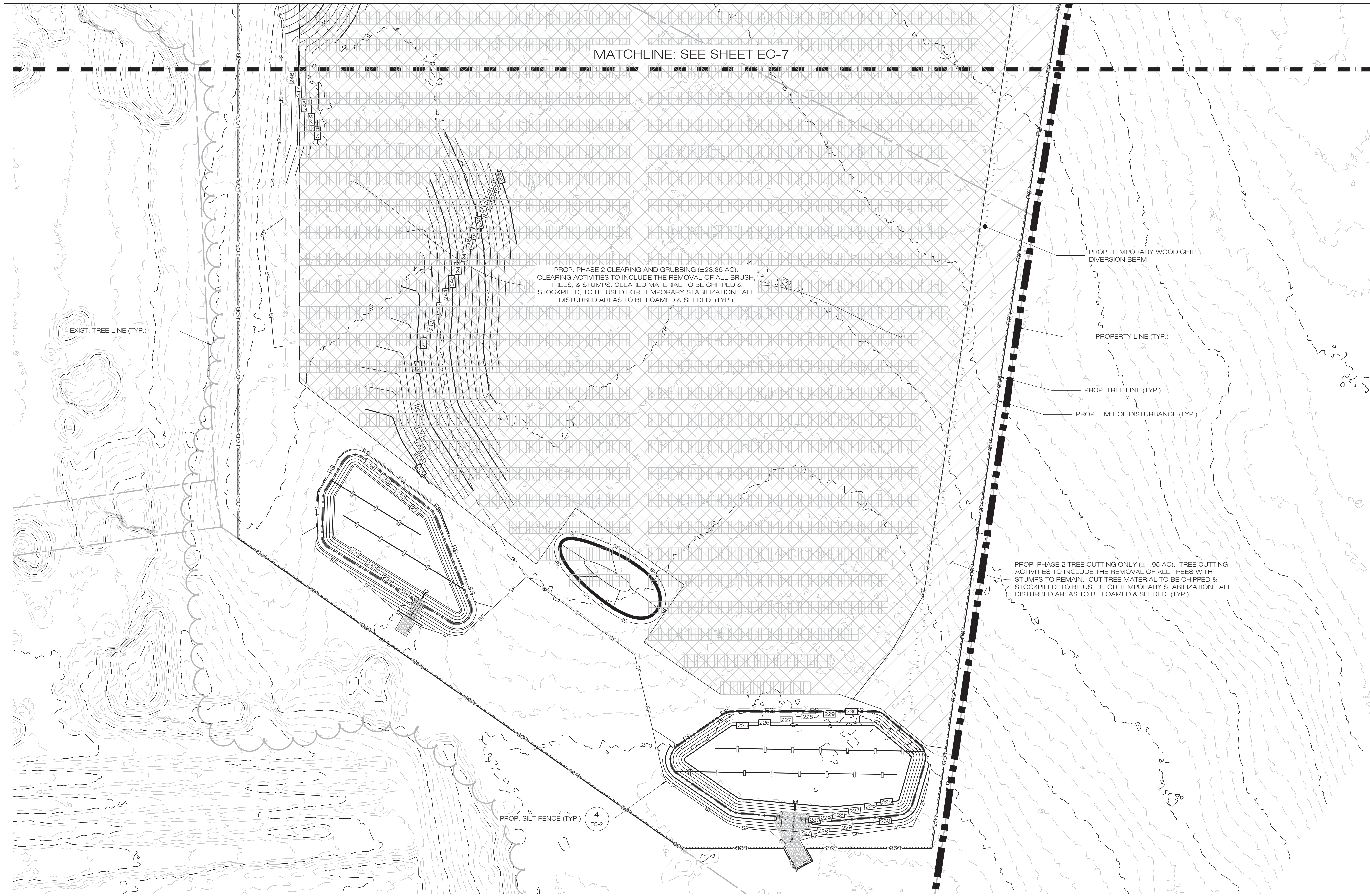
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SHEET TITLE:
**PHASE 2
SEDIMENTATION &
EROSION CONTROL PLAN**

SHEET NUMBER:





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WATERFORD, CT 06385

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ELLINGTON, CT

ELLINGTON SOLAR

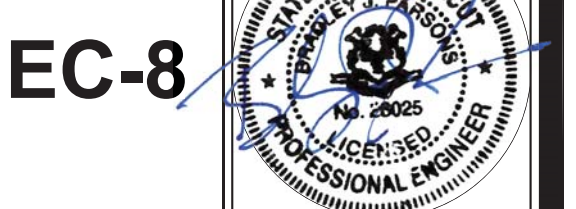
SITE: 277 SADD MILL RD
ADDRESS: ELLINGTON, CT

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**PHASE 2
SEDIMENTATION &
EROSION CONTROL PLAN**

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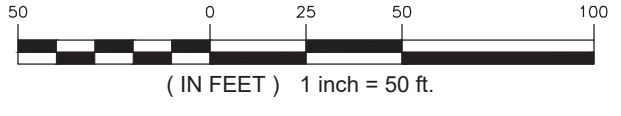
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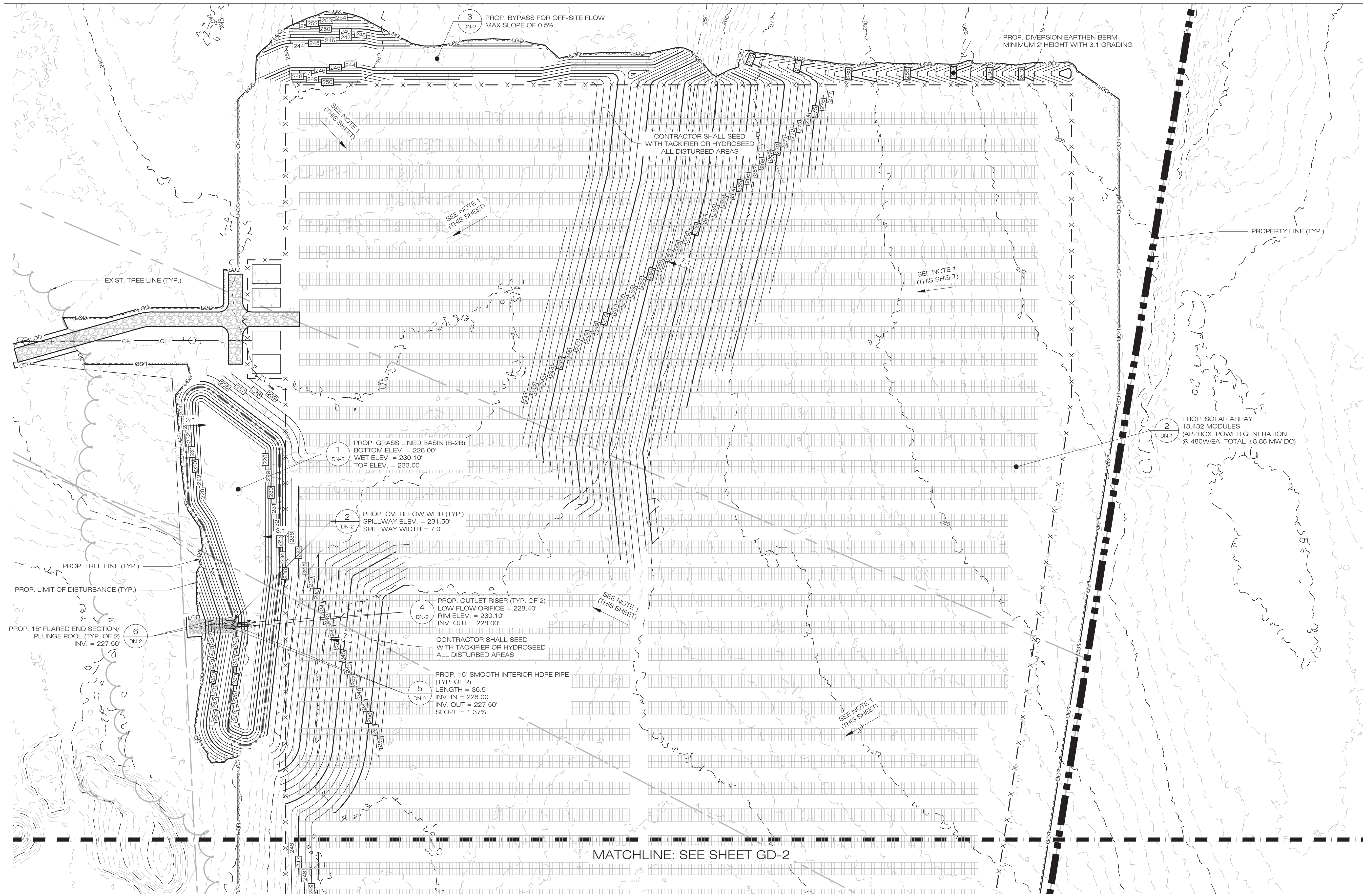
PHASE 2 CLEARING LEGEND

CLEARING AND GRUBBING	
TREE CUTTING ONLY	

1 PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN

EC-8 SCALE: 1" = 50'-0"

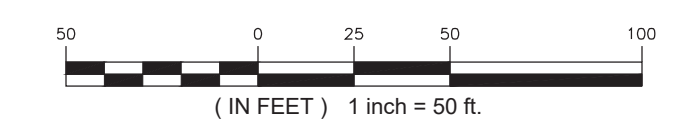




NOTES:

- GRADE/SHAPE AREA TO MAINTAIN EXIST. DRAINAGE PATTERNS.
- CONTRACTOR SHALL REMOVE ALL BAFFLES AND CLEAN OUT SEDIMENT BASINS TO BE CONVERTED TO PERMANENT GRASS LINED BASINS.
- CONTRACTOR SHALL MODIFY/REPLACE THE TEMPORARY SEDIMENT BASIN RISER AS NEEDED UPON THE SITE OR DRAINAGE AREA BEING DEEMED STABILIZED PER THE SWPCP.

1 FINAL GRADING & DRAINAGE PLAN
 GD-1 SCALE: 1" = 50'-0"



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 EXTENSION - SUITE 311
 WATERFORD, CT 06385

OWNER: THOMPSON FAMILY LAND TRUST
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ELLINGTON SOLAR

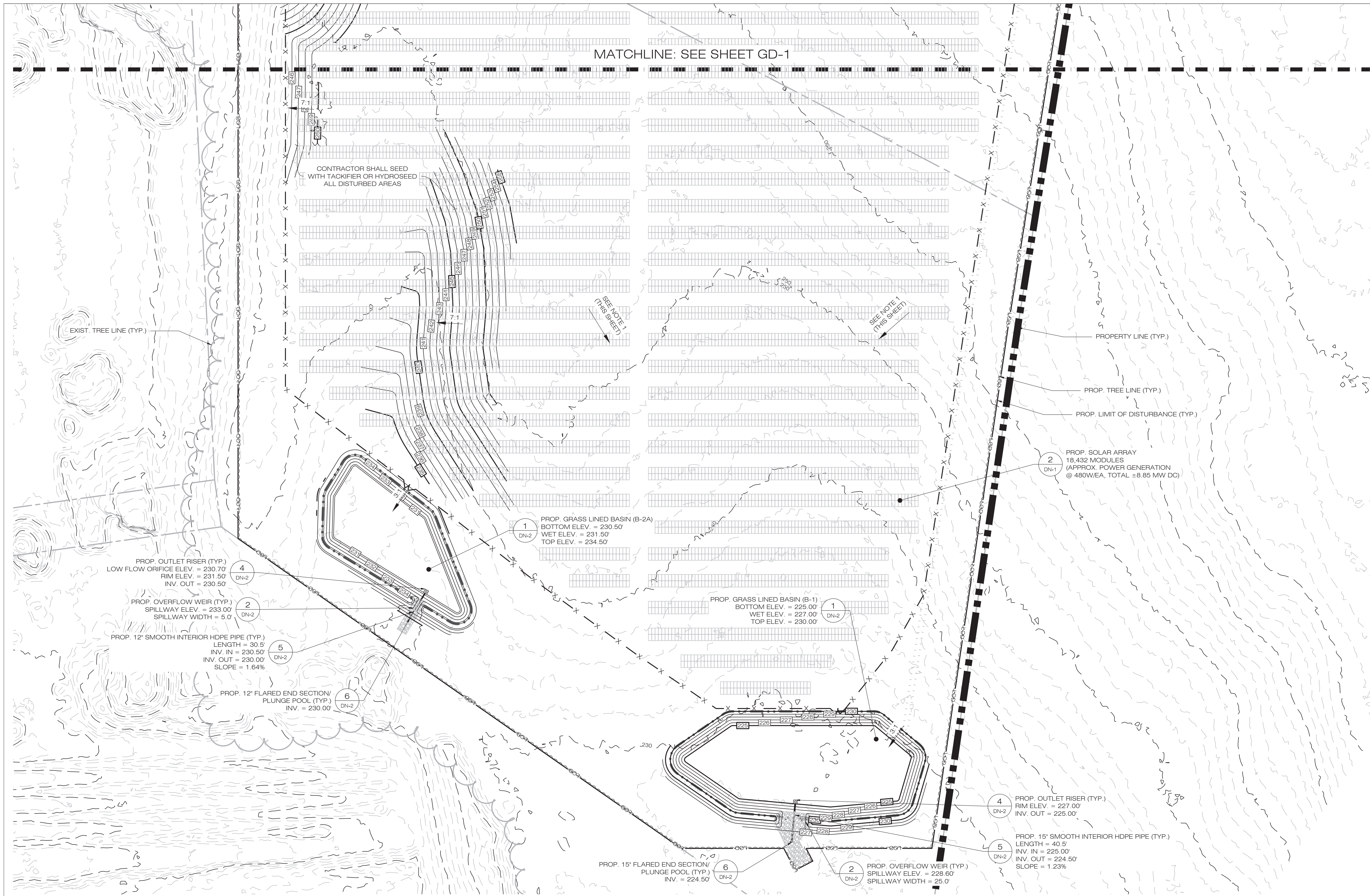
SITE: 277 SADD MILL RD
ADDRESS: ELLINGTON, CT

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SHEET TITLE:
FINAL GRADING & DRAINAGE PLAN

SHEET NUMBER:
GD-1



MATCHLINE: SEE SHEET GD-1

CONTRACTOR SHALL SEED WITH TACKIFIER OR HYDROSEED ALL DISTURBED AREAS

1
DN-2
PROP. GRASS LINED BASIN (B-2A)
BOTTOM ELEV. = 230.50'
WET ELEV. = 231.50'
TOP ELEV. = 234.50'

1
DN-2
PROP. GRASS LINED BASIN (B-1)
BOTTOM ELEV. = 225.00'
WET ELEV. = 227.00'
TOP ELEV. = 230.00'

2
DN-1
PROP. SOLAR ARRAY
18,432 MODULES
(APPROX. POWER GENERATION @ 480W/EA, TOTAL ±8.85 MW DC)

4
DN-2
PROP. OUTLET RISER (TYP.)
LOW FLOW ORIFICE ELEV. = 230.70'
RIM ELEV. = 231.50'
INV. OUT = 230.50'

2
DN-2
PROP. OVERFLOW WEIR (TYP.)
SPILLWAY ELEV. = 233.00'
SPILLWAY WIDTH = 5.0'

5
DN-2
PROP. 12" SMOOTH INTERIOR HDPE PIPE (TYP.)
LENGTH = 30.5'
INV. IN = 230.50'
INV. OUT = 230.00'
SLOPE = 1.64%

6
DN-2
PROP. 12" FLARED END SECTION/
PLUNGE POOL (TYP.)
INV. = 230.00'

6
DN-2
PROP. 15" FLARED END SECTION/
PLUNGE POOL (TYP.)
INV. = 224.50'

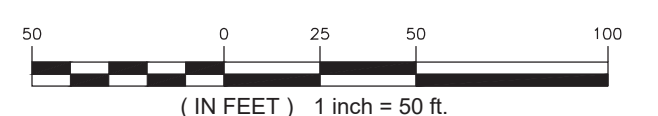
2
DN-2
PROP. OVERFLOW WEIR (TYP.)
SPILLWAY ELEV. = 228.60'
SPILLWAY WIDTH = 25.0'

4
DN-2
PROP. OUTLET RISER (TYP.)
RIM ELEV. = 227.00'
INV. OUT = 225.00'

5
DN-2
PROP. 15" SMOOTH INTERIOR HDPE PIPE (TYP.)
LENGTH = 40.5'
INV. IN = 225.00'
INV. OUT = 224.50'
SLOPE = 1.23%

- NOTES:
- GRADE/SHAPE AREA TO MAINTAIN EXIST. DRAINAGE PATTERNS.
 - CONTRACTOR SHALL REMOVE ALL BAFFLES AND CLEAN OUT SEDIMENT BASINS TO BE CONVERTED TO PERMANENT GRASS LINED BASINS.
 - CONTRACTOR SHALL MODIFY/REPLACE THE TEMPORARY SEDIMENT BASIN RISER AS NEEDED UPON THE SITE OR DRAINAGE AREA BEING DEEMED STABILIZED PER THE SWPCP.

1
GD-2
FINAL GRADING & DRAINAGE PLAN
SCALE: 1" = 50'-0"



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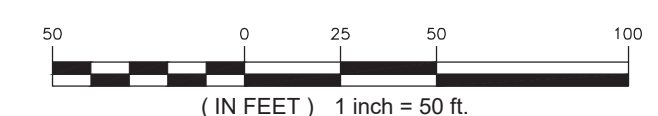
ELLINGTON SOLAR
 SITE ADDRESS: 277 SADD'S MILL RD ELLINGTON, CT
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FINAL GRADING & DRAINAGE PLAN

SHEET NUMBER:
GD-2



1 SITE & UTILITY PLAN
 SCALE : 1" = 50'-0"



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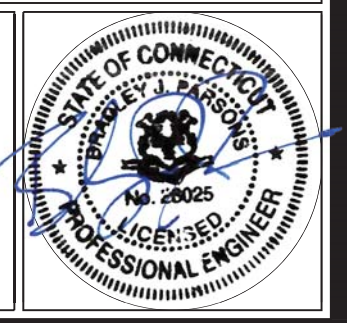
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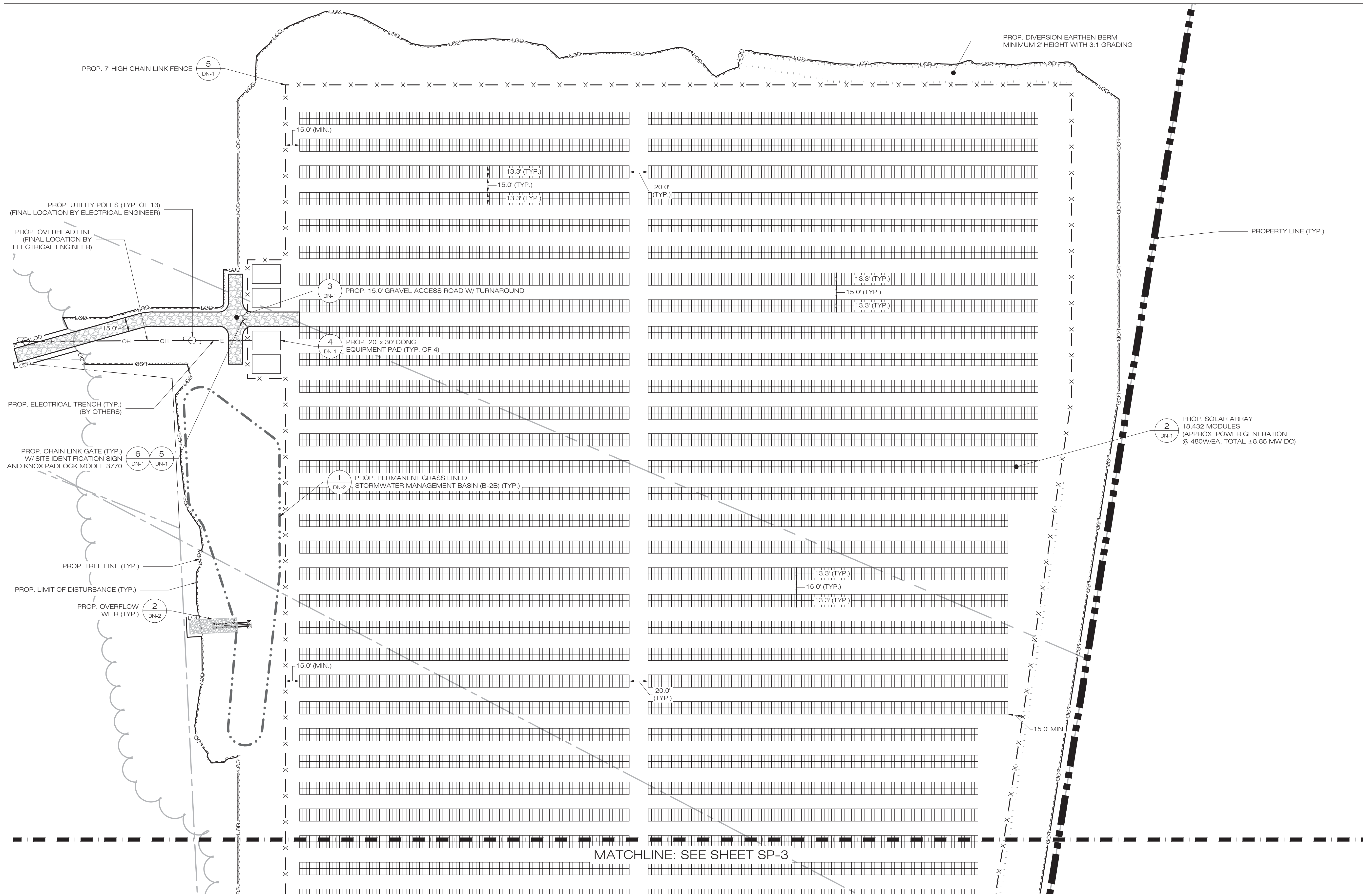
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ELLINGTON SOLAR
 SITE 277 SADD'S MILL RD
 ADDRESS: ELLINGTON, CT
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SHEET TITLE:
SITE & UTILITY PLAN

SHEET NUMBER:
SP-1





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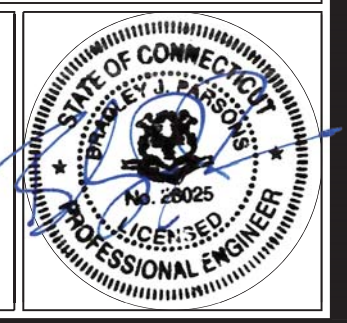
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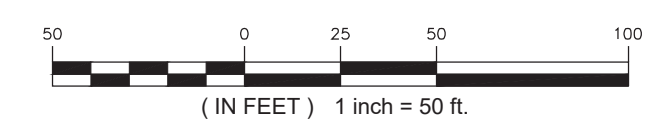
ELLINGTON SOLAR
 SITE ADDRESS: 277 SADDs MILL RD ELLINGTON, CT
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SHEET TITLE:
SITE & UTILITY PLAN

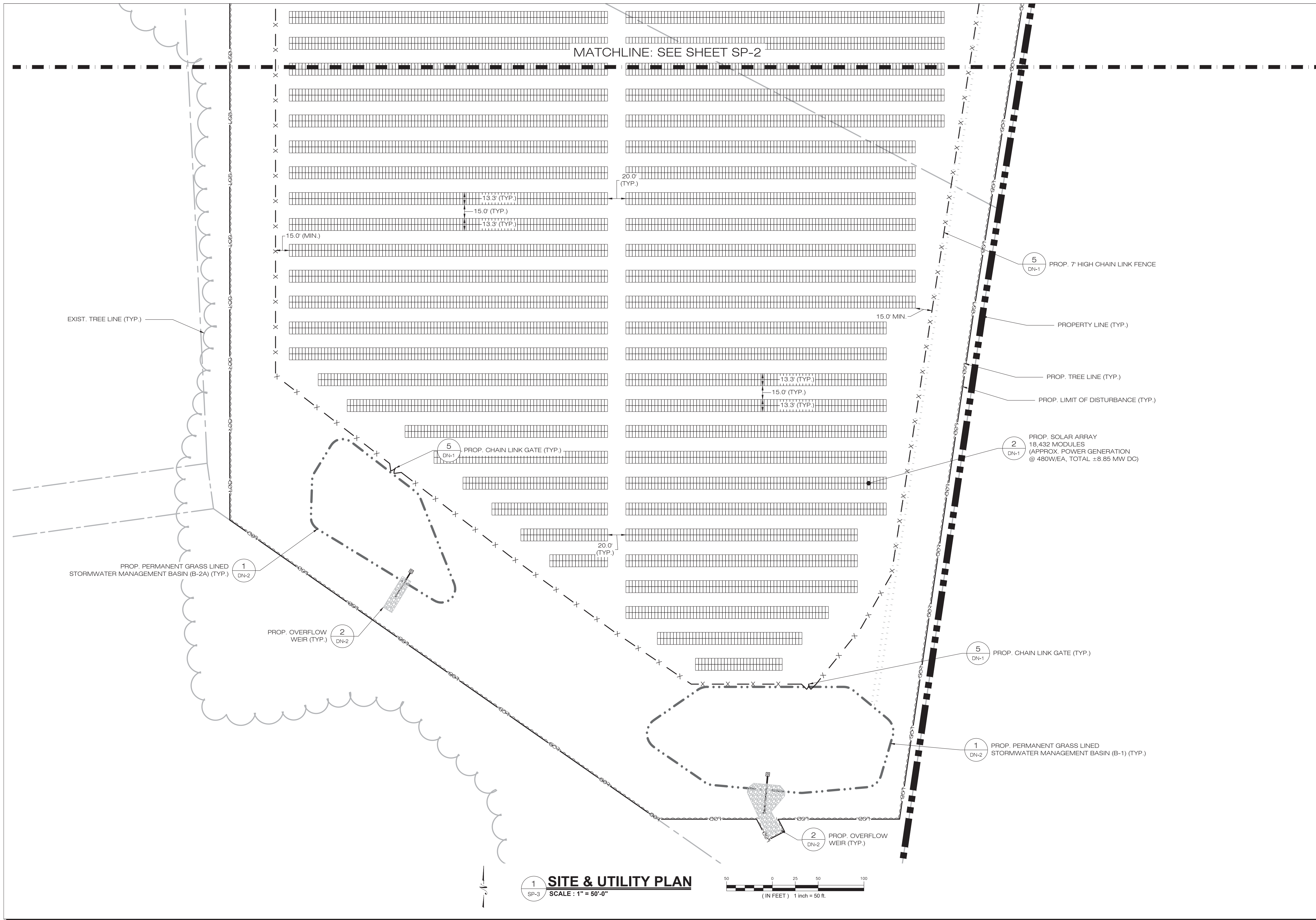
SHEET NUMBER:
SP-2



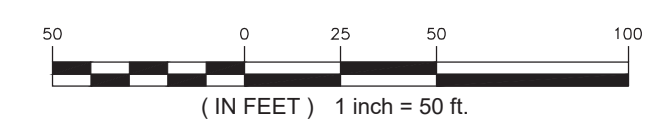
1 SITE & UTILITY PLAN
 SCALE: 1" = 50'-0"



MATCHLINE: SEE SHEET SP-3



1
SP-3 **SITE & UTILITY PLAN**
SCALE: 1" = 50'-0"



C-TECSOLAR
1 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860)-580-7174

ALL-POINTS
TECHNOLOGY CORPORATION
567 VAUXHAUL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CSC PERMIT SET

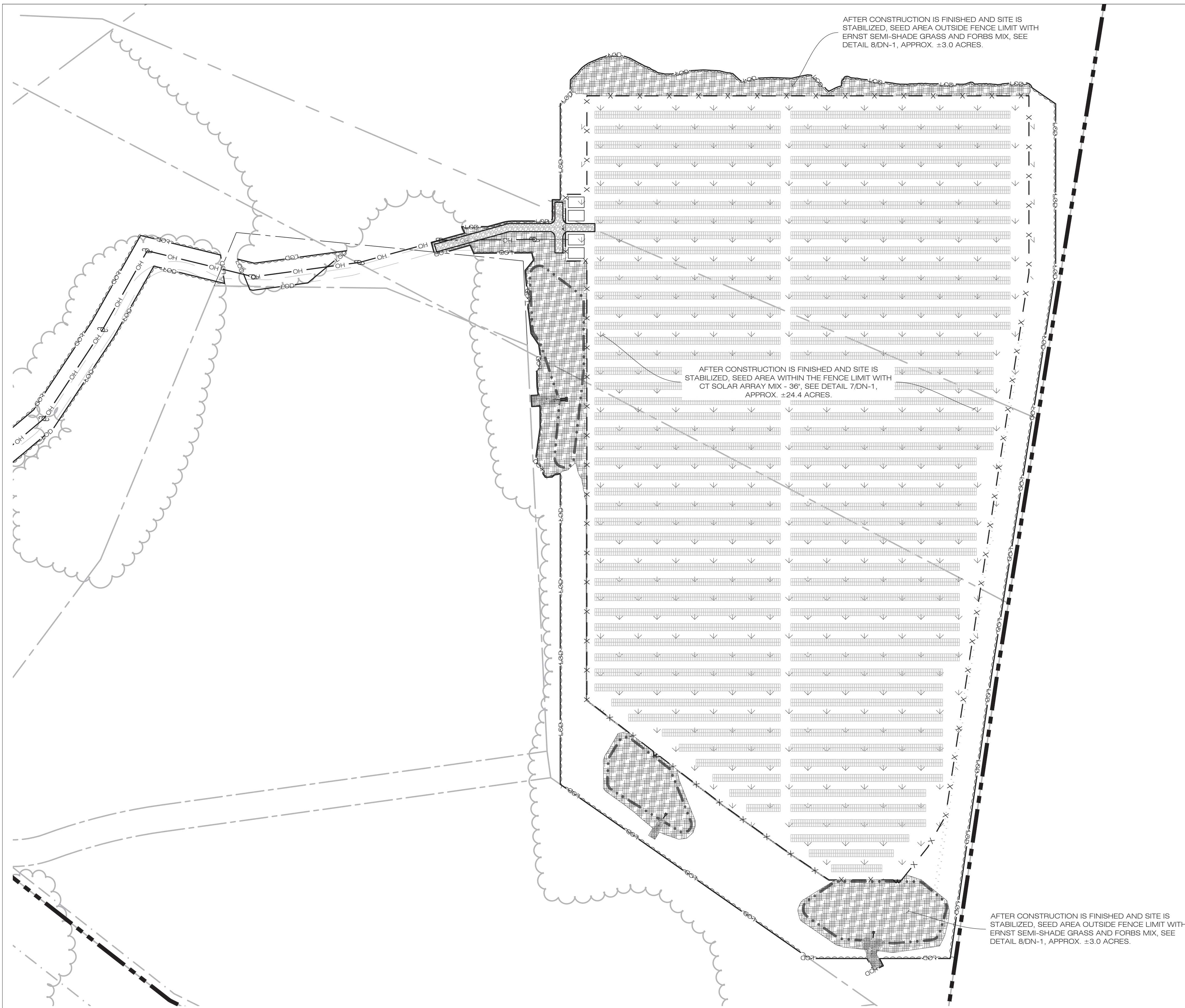
NO	DATE	REVISION
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DESIGN PROFESSIONAL OF RECORD
PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
OWNER: THOMPSON FAMILY LAND TRUST
ADDRESS: SADDs MILL RD ELLINGTON, CT

ELLINGTON SOLAR
SITE: 277 SADDs MILL RD
ADDRESS: ELLINGTON, CT
APT FILING NUMBER: CT481520
DRAWN BY: JT
DATE: 04/09/21
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SHEET TITLE:
SITE & UTILITY PLAN

SHEET NUMBER:
SP-3

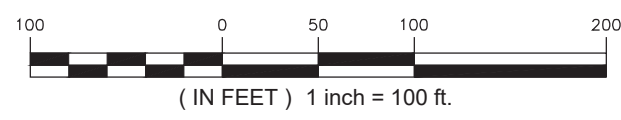


AFTER CONSTRUCTION IS FINISHED AND SITE IS STABILIZED, SEED AREA OUTSIDE FENCE LIMIT WITH ERNST SEMI-SHADE GRASS AND FORBS MIX, SEE DETAIL 8/DN-1, APPROX. ±3.0 ACRES.

AFTER CONSTRUCTION IS FINISHED AND SITE IS STABILIZED, SEED AREA WITHIN THE FENCE LIMIT WITH CT SOLAR ARRAY MIX - 36', SEE DETAIL 7/DN-1, APPROX. ±24.4 ACRES.

AFTER CONSTRUCTION IS FINISHED AND SITE IS STABILIZED, SEED AREA OUTSIDE FENCE LIMIT WITH ERNST SEMI-SHADE GRASS AND FORBS MIX, SEE DETAIL 8/DN-1, APPROX. ±3.0 ACRES.

1 LANDSCAPE SEEDING PLAN
 LP-1 SCALE : 1" = 100'-0"



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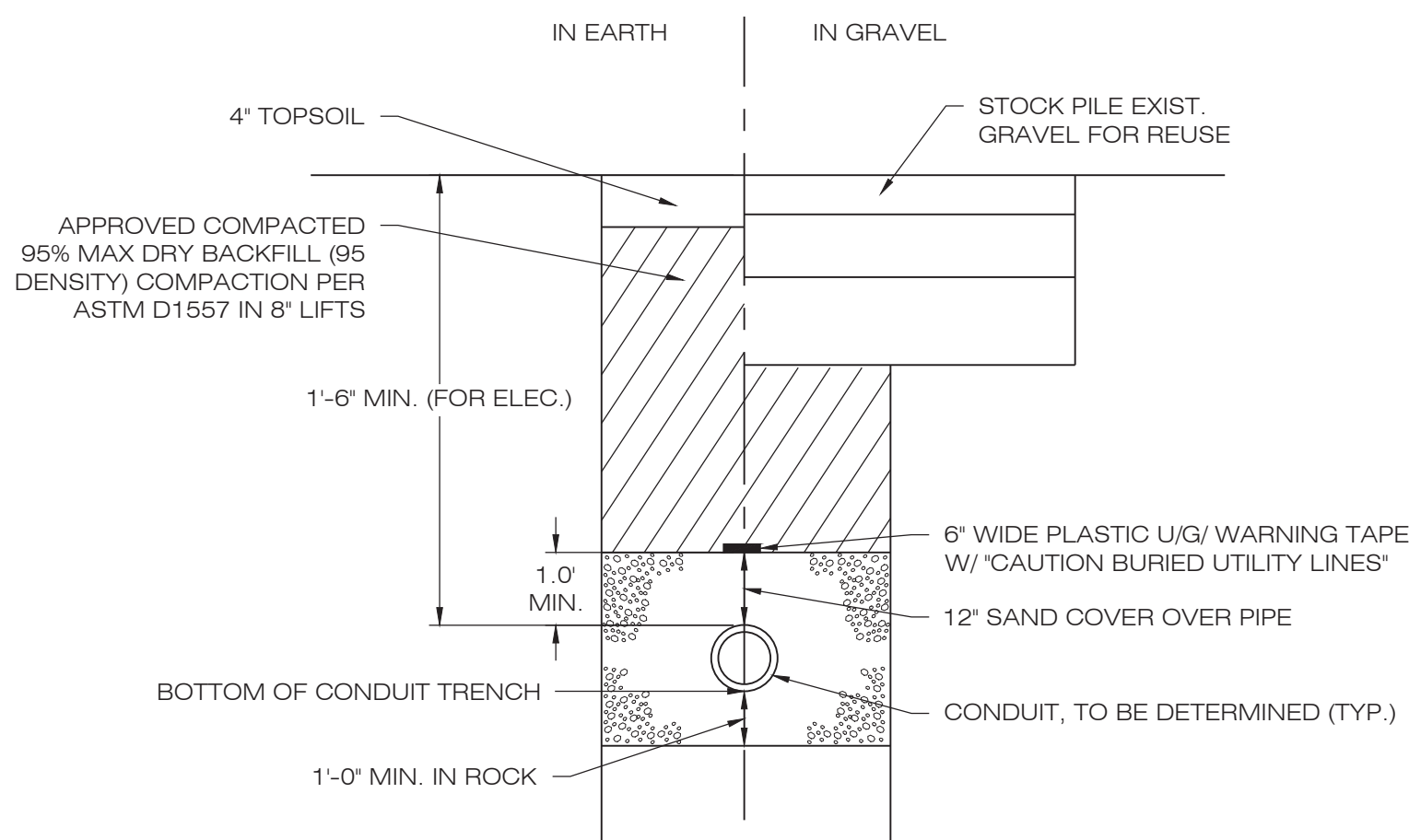
NO	DATE	REVISION
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 OWNER: THOMPSON FAMILY LAND TRUST
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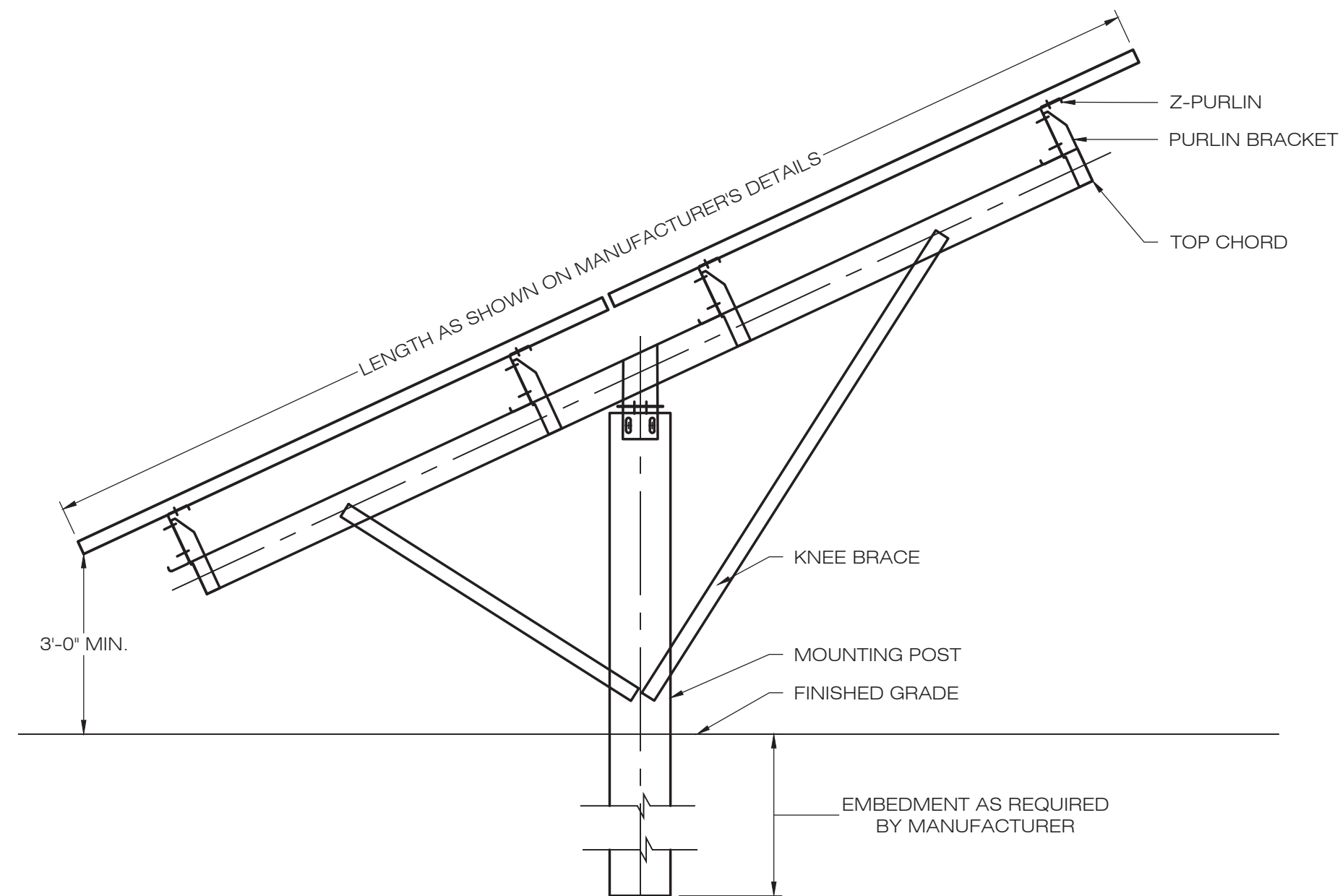
ELLINGTON SOLAR
 SITE: 277 SADDs MILL RD
 ADDRESS: ELLINGTON, CT
 APT FILING NUMBER: CT481520
 DATE: 04/09/21
 DRAWN BY: JT
 CHECKED BY: BJP

SHEET TITLE:
 LANDSCAPE SEEDING PLAN

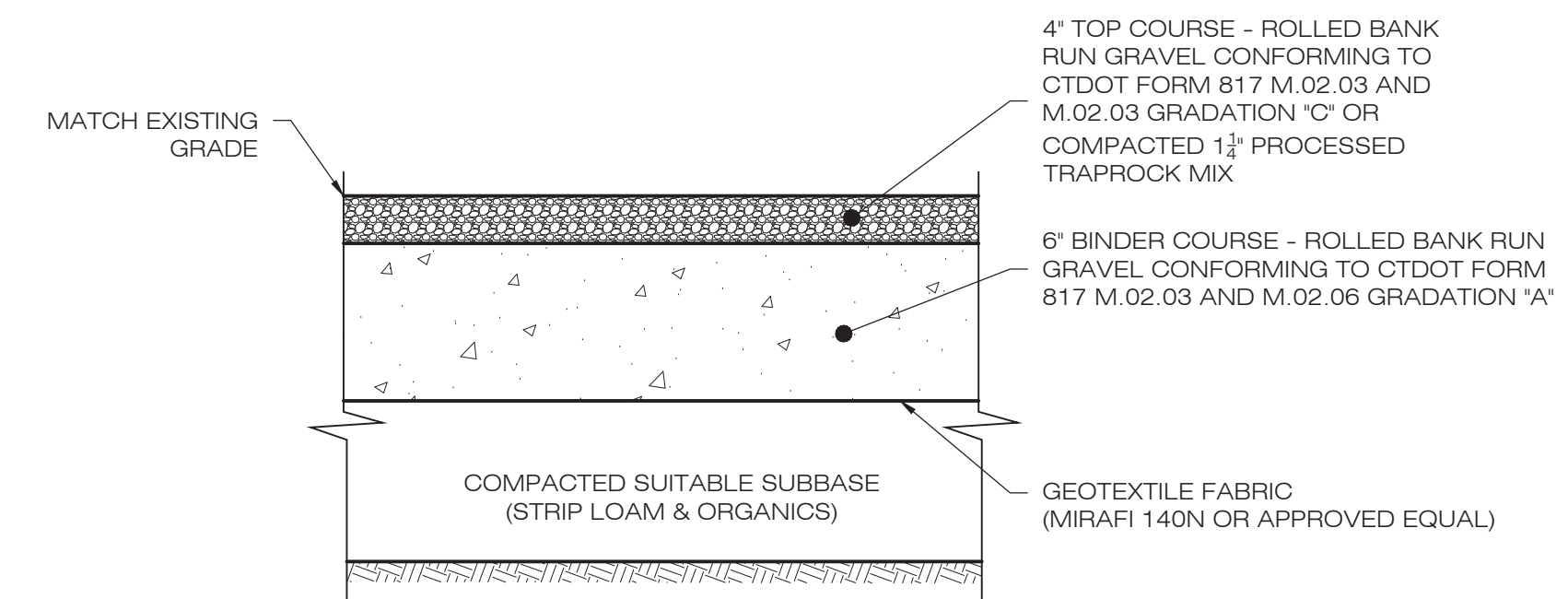
SHEET NUMBER:
 LP-1



1 ELECTRICAL TRENCH DETAIL
DN-1 SCALE: N.T.S.

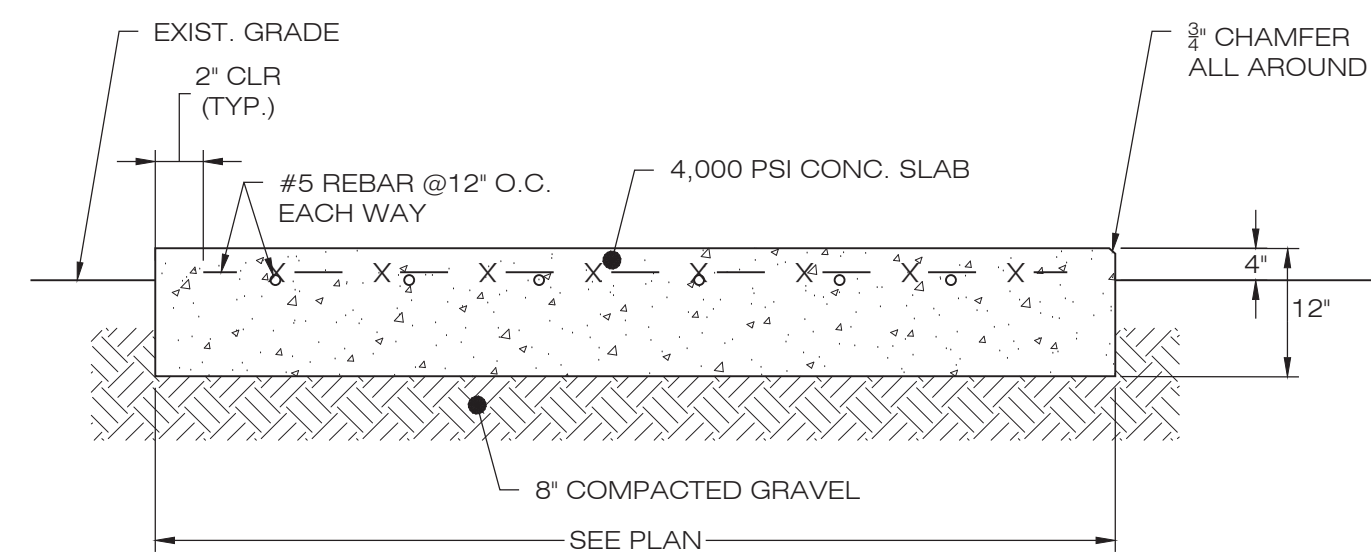


2 TYPICAL POST MOUNTED RACKING SYSTEM
DN-1 SCALE: N.T.S.

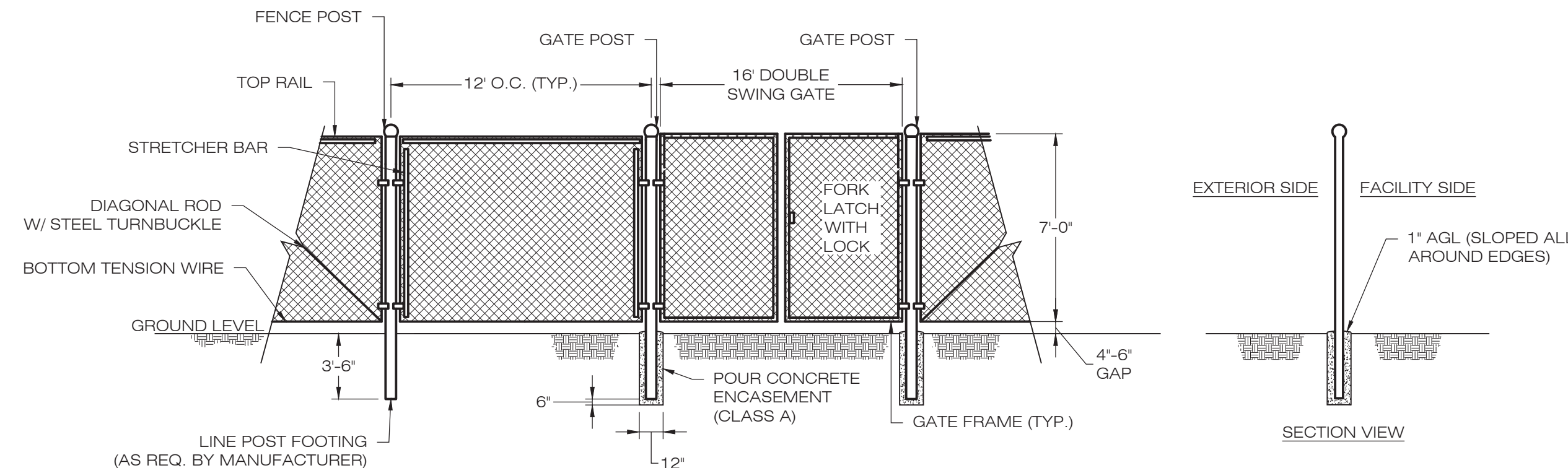


3 GRAVEL ACCESS DRIVE SECTION
DN-1 SCALE: N.T.S.

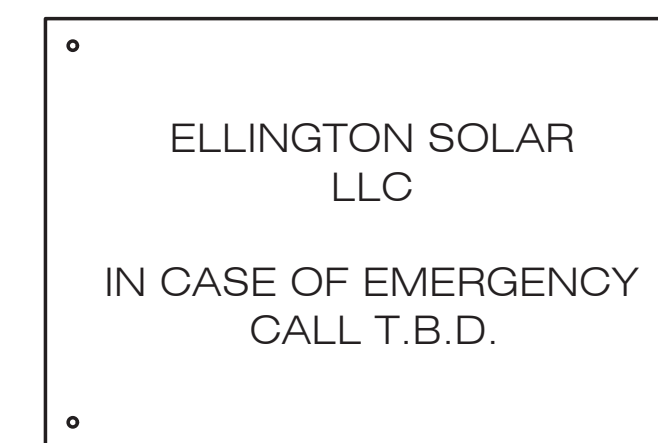
NOTES:
1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY.
2. SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE MATERIALS.



4 CONCRETE EQUIPMENT PAD
DN-1 SCALE: N.T.S.



5 CHAIN-LINK FENCE & GATE DETAIL
DN-1 SCALE: N.T.S.



6 NOTIFICATION SIGN DETAIL
DN-1 SCALE: N.T.S.

NOTES:
EMERGENCY CALL NUMBER TO BE PROVIDED ONCE DETERMINED.



Seed A Legacy Program
CT Solar Array Mix - 36"
2020

Species	Scientific Name	Suggested Seeding Rates	PLS lbs per acre	PLS seeds per sq ft	% of Mixture PLS	Bloom Period	Pollinator Value
Plains Oval Sedge	<i>Carex brevior</i>	0.01 - 0.05	0.050	0.74	1.92%	--	--
Prairie Junegrass	<i>Koeleria pyramidata</i>	--	0.100	5.31	13.72%	--	--
Alaska Clover	<i>Trifolium hybridum</i>	0.01 - 0.1	0.300	4.69	12.10%	2	5
Ashy Sunflower, Native Source	<i>Helianthus mollis</i>	0.01 - 0.04	0.030	0.14	0.36%	3	5
Birdfoot Trefoil	<i>Lotus corniculatus</i>	0.1 - 0.8	0.500	4.25	10.96%	2	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.01 - 0.1	0.070	2.53	6.54%	2	1
Butterfly Milkweed	<i>Asclepias tuberosa</i>	0.01 - 0.04	0.050	0.08	0.21%	2	5
Common Milkweed, Michigan Native	<i>Asclepias syriaca</i>	0.03 - 0.08	0.050	0.09	0.24%	2	5
Crimson Clover	<i>Trifolium incarnatum</i>	0.1 - 2.0	1.300	4.47	11.54%	2	5
Curly Top Gumweed, Native Source	<i>Gnaphalium squarrosus</i>	0.005 - 0.02	0.020	0.26	0.67%	3	5
Foxglove Beardstongue, Native Source	<i>Penselmon digitalis</i>	0.01 - 0.03	0.020	0.18	0.47%	1	5
Golden Alexander	<i>Zizia aurea</i>	0.02 - 0.04	0.100	0.40	1.04%	1	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.001 - 0.005	0.008	0.19	0.48%	3	4
Health Aster	<i>Symphoricarpos angustifolius</i>	0.001 - 0.004	0.005	0.58	1.49%	3	5
Ladino or White Clover	<i>Trifolium repens</i>	0.1 - 0.5	0.300	4.90	12.66%	2	5
Lanceleaf Coreopsis	<i>Coreopsis lanceolata</i>	0.05 - 0.1	0.200	1.01	2.62%	2	4
Red Clover	<i>Trifolium pratense</i>	0.1 - 2.0	0.150	0.94	2.42%	2	4
Western Yarrow	<i>Achillea millefolium</i>	0.01 - 0.05	0.030	1.96	5.07%	1	2
White Dutch Clover	<i>Trifolium repens</i>	0.1 - 0.5	0.300	6.00	15.50%	2	5
Rice Hulls - Filler for low planting rate mixtures	--	--	2.500	0.00	0.00%	--	--
Grasses Total:			0.150	6.059	15.64%		
Wildflower/Forb/Legume Total:			3.433	32.680	84.36%		
Filler Total:			2.500	0.000	0.00%		
Total Mixture:			6.083	38.739	100.00%		

7 CT SOLAR ARRAY MIX - 36" SEED MIX
DN-1



Ernst Conservation Seeds
8884 Mercer Pike
Meadville, PA 16335
(800) 873-3321 Fax (814) 336-5191
www.ernstseed.com

Date: March 01, 2021

Ernst Solar Farm Seed Mix - ERNMX-186

Botanical Name	Common Name	Price/lb
45.50 % <i>Festuca rubra</i>	Creeeping Red Fescue	2.20
15.00 % <i>Festuca ovina</i> var. <i>duriscula</i> , 'Jetty'	Hard Fescue, 'Jetty'	3.52
15.00 % <i>Festuca ovina</i> var. <i>duriscula</i> , 'Gladiator'	Hard Fescue, 'Gladiator'	3.52
10.00 % <i>Festuca rubra</i> ssp. <i>commutata</i>	Chewings Fescue	2.70
5.00 % <i>Poa pratensis</i> , 'Selway'	Kentucky Bluegrass, 'Selway'	3.08
5.00 % <i>Poa pratensis</i> , 'Appalachian'	Kentucky Bluegrass, 'Appalachian'	3.08
4.50 % <i>Trifolium repens</i> , 'Dutch'	White Clover, 'Dutch'	4.84

100.00 % **Mix Price/lb Bulk: \$2.85**

Seeding Rate: 6 lb per 1,000 sq ft
Lawn & Turfgrass Sites; Solar Sites

Provide a 2' clearance between the ground and the solar panels. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.

8 SEMI-SHADE MIX
DN-1 SCALE: N.T.S.



1 GRIFFIN ROAD SOUTH
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DESIGN PROFESSIONAL OF RECORD

PROF: BRADLEY J. PARSONS P.E.
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ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385

OWNER: THOMPSON FAMILY LAND TRUST
ADDRESS: SADDs MILL RD ELLINGTON, CT

ELLINGTON SOLAR

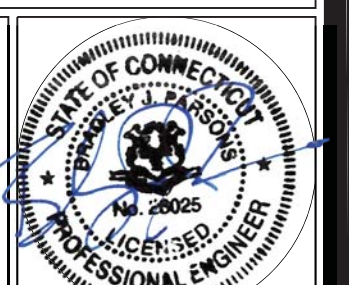
SITE ADDRESS: 277 SADDs MILL RD ELLINGTON, CT

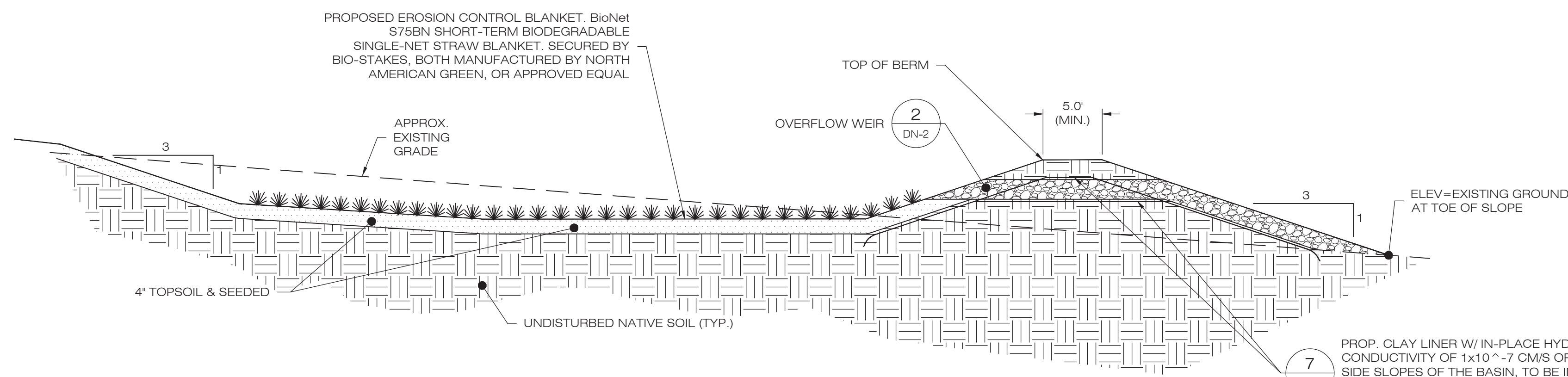
APT FILING NUMBER: CT481520

DATE: 04/09/21 DRAWN BY: JT CHECKED BY: BJP

SHEET TITLE: SITE DETAILS

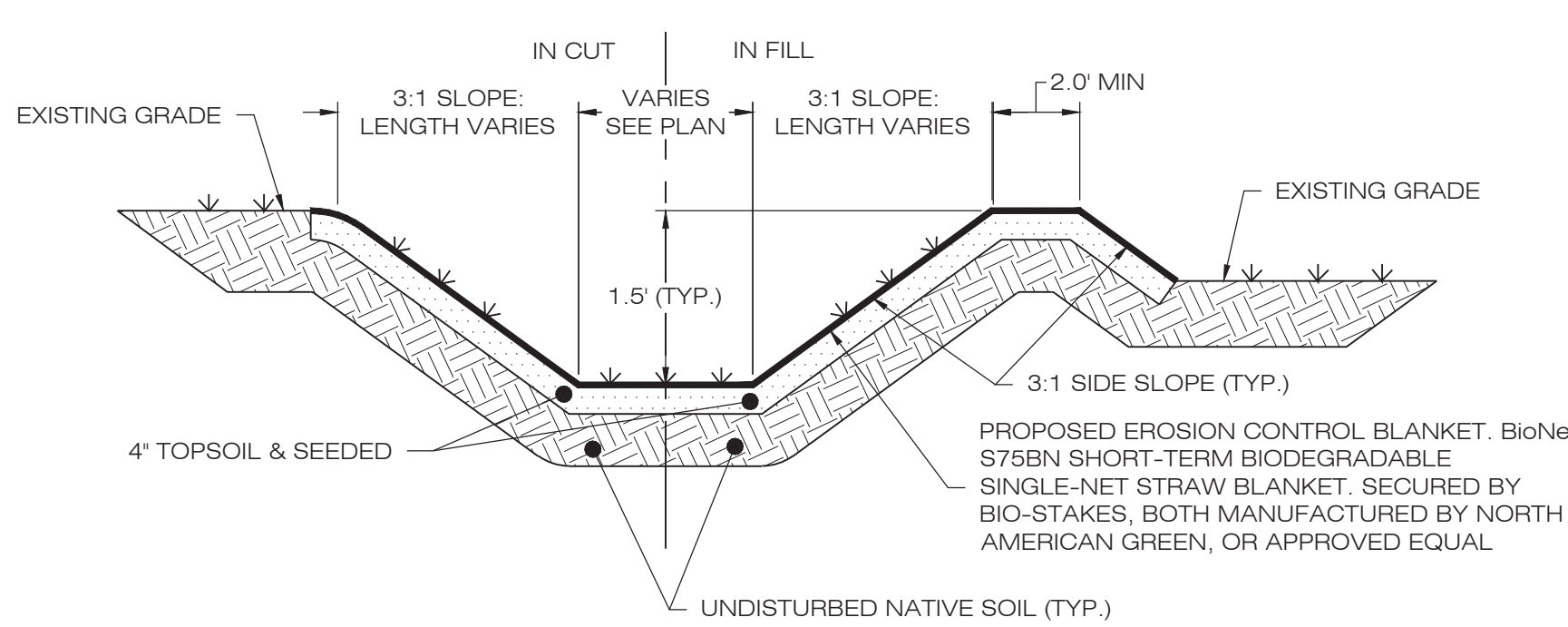
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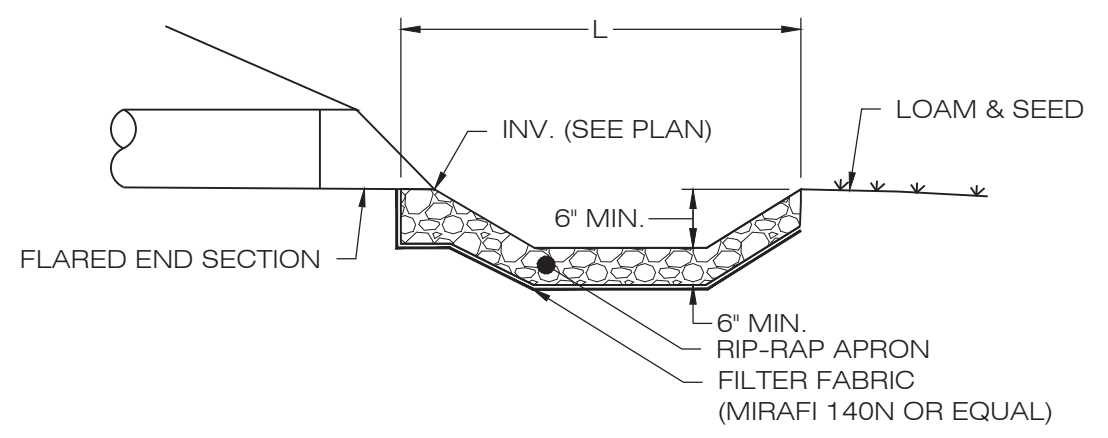
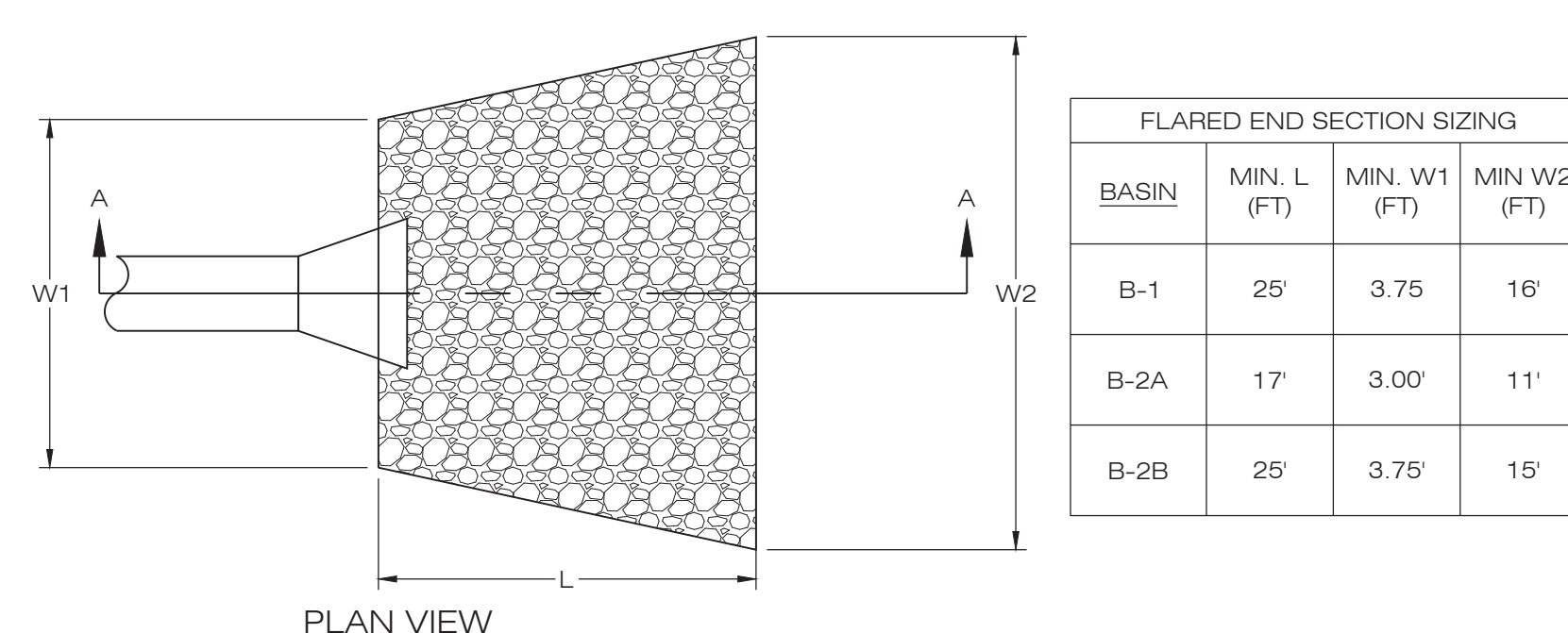
- NOTES:
- SEED MIX TO BE ERNST EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND ERNST EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.
 - FOR CONVERTING TEMPORARY SEDIMENT BASIN TO INFILTRATION BASIN, REMOVE BAFFLES, CLEAN OUT SEDIMENT, RESHAPE AS REQUIRED. SEE PLANS FOR BASIN DEPTHS AND ELEVATIONS.
 - INSPECT AND CLEAN PIPES.

1 GRASS LINED BASIN
SCALE : N.T.S.



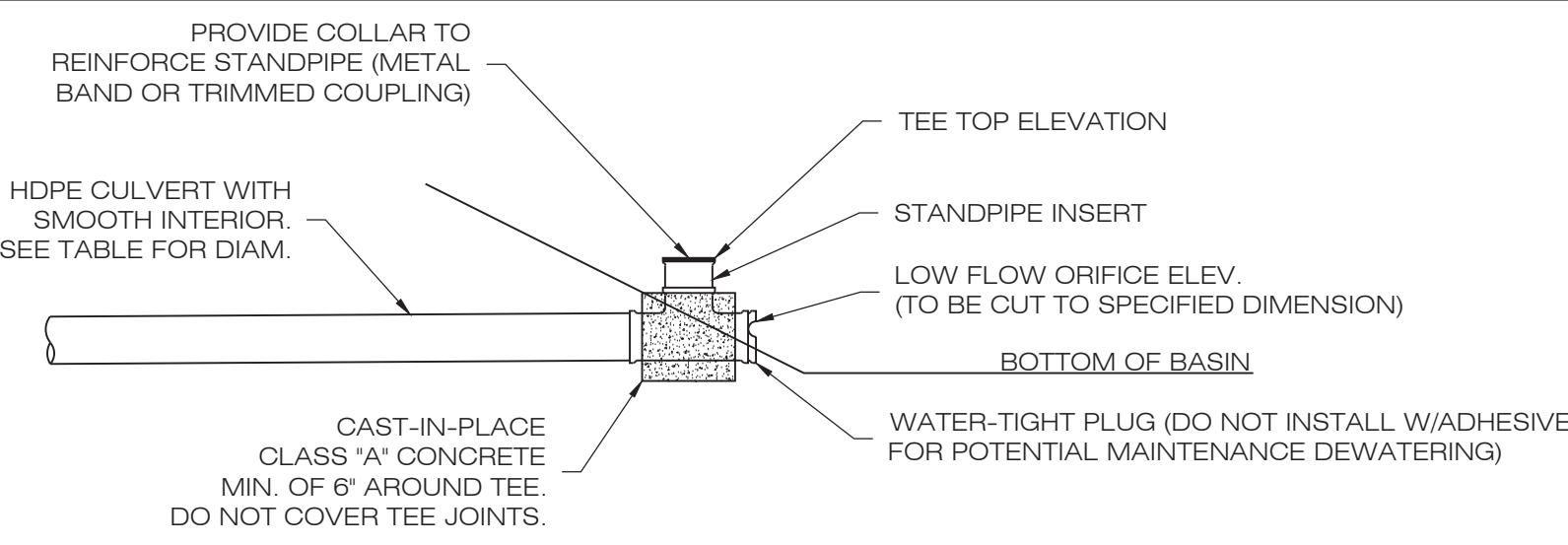
- NOTES:
- SEED MIX TO BE ERNST EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND ERNST EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.
 - IF DEPTH VARIES FROM 1.5', SEE PLAN CALLOUTS.

3 GRASS LINED SWALE
SCALE : N.T.S.



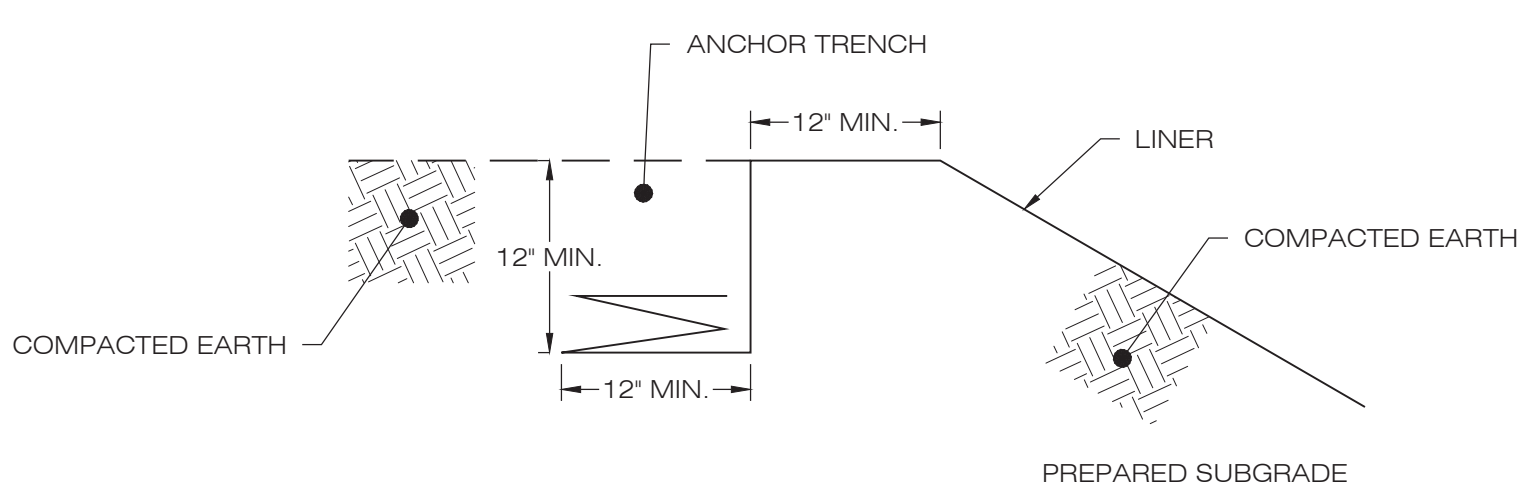
6 FLARED END SECTION
SCALE : N.T.S.

HDPE OUTLET PIPE SIZING TABLE								
BASIN	LOW FLOW ORIFICE DIAMETER (IN.)	LOW FLOW ORIFICE INV. ELEV. (FT)	TEE TOP ELEV. (FT)	OUTLET PIPE SIZE (IN.)	OUTLET PIPE LENGTH (FT)	OUTLET PIPE SLOPE (%)	OUTLET PIPE INV. ELEV. AT STRUCTURE (FT)	OUTLET PIPE INV. AT OUTFALL (FT)
B-1	N/A	N/A	227.00'	15'	40.5'	1.23%	225.00'	224.50'
B-2A	4.0"	230.70'	231.50'	12'	30.5'	1.64%	230.50'	230.00'
B-2B (TWIN OUTLETS)	4.0"	228.40'	230.10'	15'	36.5'	1.37%	228.00'	227.50'

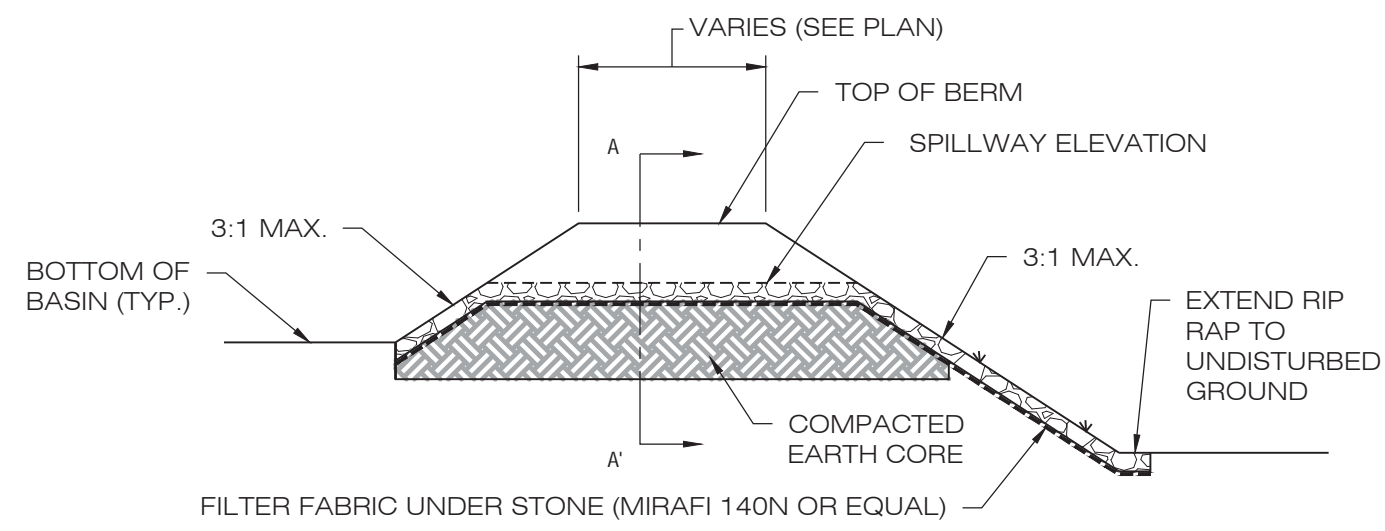
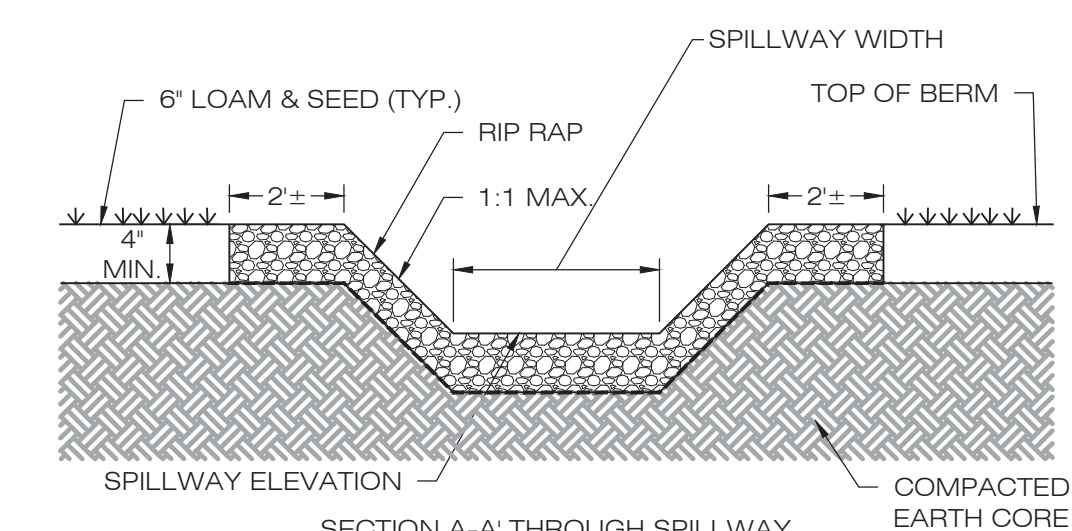


- NOTES:
- TEE TO BE ADS ADVANEDGE (TM) FABRICATED TEE OR APPROVED EQUAL. CONTRACTOR TO MODIFY TEE AS NEEDED.
 - CONVERT TEMPORARY SEDIMENT BASIN RISER TO FINAL BASIN OUTLET RISER.

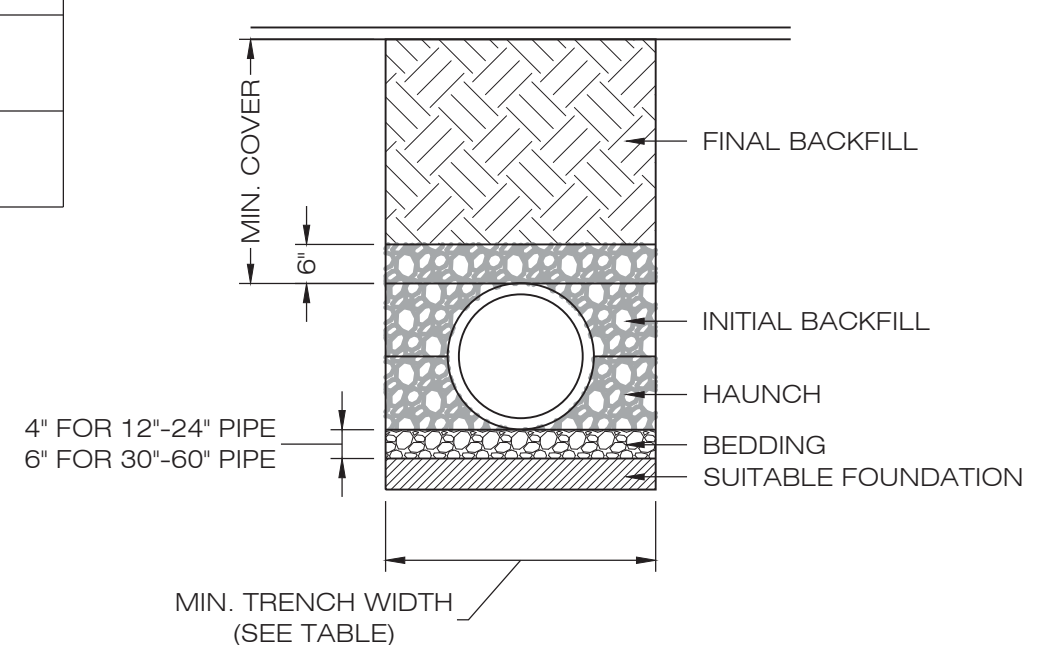
4 OUTLET RISER
SCALE : N.T.S.



7 LINER ANCHOR DETAIL
SCALE : N.T.S.



2 OVERFLOW WEIR DETAIL
SCALE : N.T.S.



PIPE DIA.	MIN. TRENCH WIDTH
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
48"	80"
60"	96"

- NOTES:
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, 'STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS', LATEST EDITION.
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
 - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6' ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

5 HDPE STORM DRAINAGE TRENCH DETAIL
SCALE : N.T.S.

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SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
DN-2

