

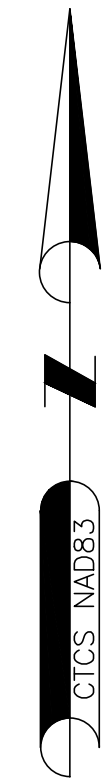




**LEGEND**

- LOCUS PROPERTY LINE
- ABUTTERS PROPERTY LINE
- - - CONTOUR LINE
- - - WETLAND DELINEATION
- OHW — OVERHEAD WIRES
- ZONING LINE
- ~ ~ ~ DRIP LINE (TREE LINE)

- (C)IRF IPF O (CAPPED) IRON ROD OR PIPE FOUND
- CBF □ CONC. BOUND FOUND
- RRSF ⊕ RAILROAD SPIKE FOUND
- △ CALCULATED POINT
- UTILITY POLE
- GUY WIRE ANCHOR
- MB □ MAILBOX
- ▣ CATCH BASIN
- ⊙ PIPE INLET/OUTLET
- ⊕ WATER GATE VALVE
- ⊖ HYDRANT
- WETLAND FLAG



**NOTES:**

1. FIELD SURVEY BY RTK GPS & RTK DRONE IN SEPTEMBER AND OCTOBER 2022, WITH ADDITIONAL WETLAND FLAGS LOCATED IN NOVEMBER 2022.
2. THE HORIZONTAL DATUM IS NAD83. THE VERTICAL DATUM IS NAVD88. BOTH WERE DERIVED FROM RTK GPS OBSERVATIONS TAKEN ON SITE.
3. THE LOCATIONS OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE AS LOCATED BY SURFACE EVIDENCE ONLY. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF THESE UTILITIES AND MAY NOT SHOW ALL OF THE UTILITIES WHICH EXIST WITHIN THE PREMISES SURVEYED. CONTACT DIG-SAFE AT 1-888-344-7233 BEFORE EXCAVATION.
4. THE LOCUS PARCEL IS LOCATED IN THE TOWN OF ELLINGTON RURAL AGRICULTURAL RESIDENTIAL (RAR) ZONING DISTRICT.
5. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED IMPROVEMENTS ARE LOCATED IN AN AREAS DESIGNATED AS "ZONE X" (UNSHADED), AREAS OF MINIMAL FLOODING. COMMUNITY PANEL NO. 090158 0015 C, EFFECTIVE ON 2/5/1997.
6. WETLANDS SHOWN HEREON WERE DELINEATED BY MARTIN BROGIE, WITH MBI. WETFLAGS IWC-8 THRU IWC-12 FOLLOW THE CENTER OF A DITCH.
7. ALL CONTOURS SHOWN HEREON WERE GENERATED IN QGIS FROM DIGITAL ELEVATION MODELS OF THE 2016 CRCOG LIDAR DATA, DISTRIBUTED BY NOAA.

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 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, 1997.

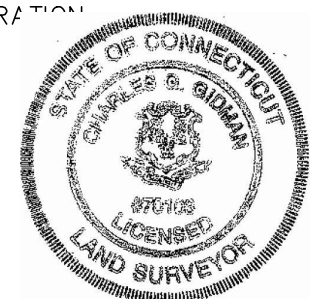
TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY  
 BOUNDARY SURVEY CATEGORY: RESURVEY  
 CLASS OF ACCURACY: HORIZONTAL CLASS A-2  
 VERTICAL CLASS V-2  
 TOPOGRAPHIC CLASS T-2

PURPOSE OF SURVEY: PROPOSED SOLAR FACILITY

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE LIVE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED PROFESSIONAL. UNAUTHORIZED ALTERATIONS RENDER ANY DECLARATION NULL AND VOID.

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

*Charles G. Bidman*  
 CHARLES G. BIDMAN, P.L.S. #70103

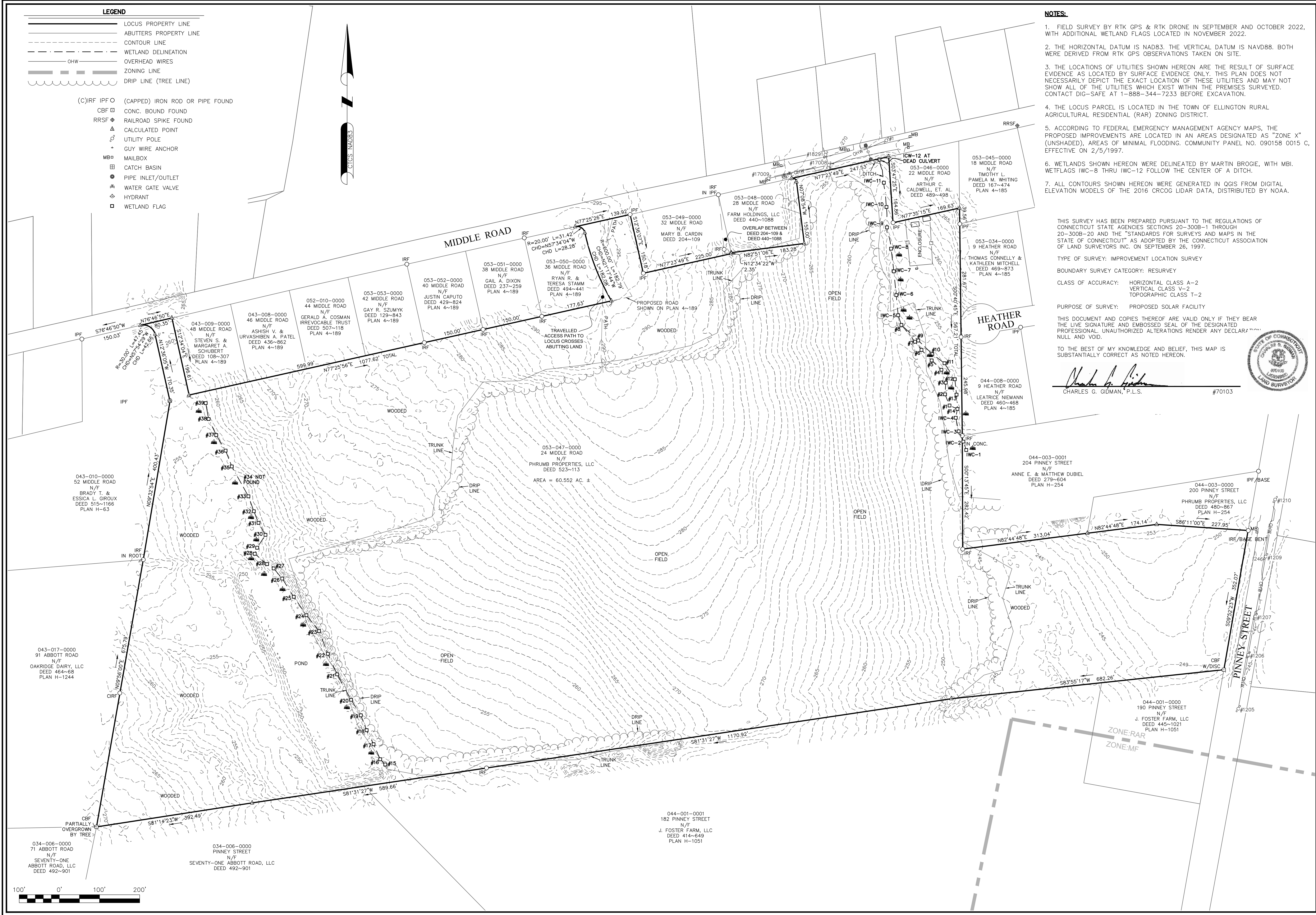


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| CGG ENGINEER:   | —          | DATE: | 11-21-2022 |
| JDG DESIGN:     | —          |       |            |
| MAK FIELD WORK: | 1"=100'    |       |            |
| PROJECT NUMBER: | 22-142     |       |            |
| DRAWING NAME:   | 22-142.DWG |       |            |

PLAN OF LAND IN  
 ELLINGTON, CT  
 PREPARED FOR  
**ALL-POINTS TECHNOLOGY CORPORATION**

**NORTHEAST SURVEY CONSULTANTS**  
 3 FERRY STREET  
 EASTHAMPTON, MA 01027  
 (413) 203-5144

**BOUNDARY SURVEY & LIDAR CONTOURS**

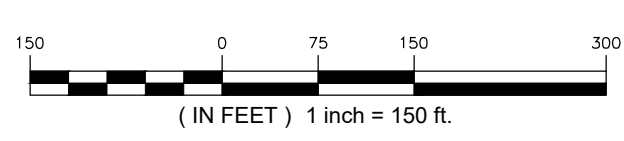








1 OVERALL LOCUS MAP  
 OP-1 SCALE: 1" = 150'-0"



COMMUNITY POWER GROUP  
 5636 CONNECTICUT  
 AVE #42729  
 WASHINGTON, DC 20015  
 (202) 844-6423

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

CSC PERMIT SET

| NO | DATE     | REVISION        |
|----|----------|-----------------|
| 0  | 12/20/22 | FOR REVIEW: KAM |
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DESIGN PROFESSIONAL OF RECORD  
 PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR  
 SITE ADDRESS: 24 MIDDLE ROAD ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**OVERALL LOCUS MAP**

SHEET NUMBER:  
**OP-1**



# 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 EXITING.
- 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.
- THE SITE WAS DESIGNED TO COMPLY WITH FEDERAL, STATE, AND, IF APPLICABLE, LOCAL STANDARDS, PLUS CURRENT ACCEPTED PRACTICES FOR THE INDUSTRY. ADDITIONAL CONTROLS AND ACTIVITIES MAY BE DEEMED NECESSARY BY THE SWPCP MONITOR DURING CONSTRUCTION AS A RESULT OF UNFORESEEN CONDITIONS AND/OR MEANS AND METHODS. SUCH ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: ADDITIONAL FOREBAYS, BASINS, OR UPSTREAM STRUCTURAL CONTROLS, THE USE OF FLOCCULANTS OF FLOCK LOGS TO DECREASE SEDIMENT, DISCHARGE MANAGEMENT SUCH AS ADDITIONAL ARMORING AND FILTERING MEASURES (I.E. STRAW BALES, WATTLES, ETC.), AND HYDROSEEDING WITH RAPIDLY GERMINATING SEED.
- SEEDING MIXTURES SHALL BE NEW ENGLAND SEMI-SHADE GRASS AND FORBS MIX (SEE SITE DETAILS SHEET DN-1), OR APPROVED EQUAL BY OWNER.

## 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 28.4± ACRES OF EXISTING LOT.
- THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:
- CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
  - CONSTRUCTION OF 9,963 GROUND MOUNTED TRACKER SOLAR PANELS AND ASSOCIATED EQUIPMENT.
  - THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
- FOR THIS PROJECT, THERE ARE APPROXIMATELY 28.4± ACRE OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE, AS ALL ACCESS THROUGH THE SITE WILL BE GRAVEL. 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 19, SEP 13, 2019), CONTAINS MAP UNITS 53 (HYDROLOGIC SOIL GROUP C) AND 66 (HYDROLOGIC SOIL GROUP B).
  - IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 3-4 MONTHS.
  - 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, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;
    - 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 DECEMBER 2022.
    - SWPCP DATED \_\_\_\_\_.

## 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 OWNERS 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 811, 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 ENTRANCE.
- 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 EASTERN TEMPORARY SEDIMENT BASIN AND ASSOCIATED SWALES. UPON COMPLETION OF THE INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 WORK UP GRADIENT CAN PROCEED.
- INSTALL WESTERN TEMPORARY SEDIMENT BASIN AND ASSOCIATED SWALES. UPON COMPLETION OF THE INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 WORK UP GRADIENT CAN PROCEED.

## PHASE 2

- UPON COMPLETION OF THE INSTALLATION OF EACH OF THE TEMPORARY SEDIMENT BASINS, THE AREA ABOVE THE BASIN CAN HAVE THE REMAINING ARRAY AREA PREPARED AS REQUIRED. REMOVE AND DISPOSE OF DEMOLITION DEBRIS OFF-SITE IN ACCORDANCE WITH APPLICABLE LAWS.
- TEMPORARILY SEED DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.
- INSTALL RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS.
- INSTALL GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION, INCLUDING EQUIPMENT PADS AND TRENCHING/CONDUIT.
- AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK 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 AND SWPCP INSPECTOR, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.

| 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. |
| TEMPORARY SEDIMENT TRAP (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. |
| TEMPORARY SOIL PROTECTION                                   | WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25" | REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH.  |

**COMMUNITY POWER GROUP**  
**5636 CONNECTICUT**  
**AVE #42729**  
**WASHINGTON, DC 20015**  
**(202) 844-6423**



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

| CSC PERMIT SET |                          |
|----------------|--------------------------|
| NO             | DATE                     |
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**DESIGN PROFESSIONAL OF RECORD**  
**PROF: KEVIN A. MCCAFFERY, P.E.**  
**COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.**  
**ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385**  
**OWNER: PHRUMB PROPERTIES, LLC**  
**ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074**

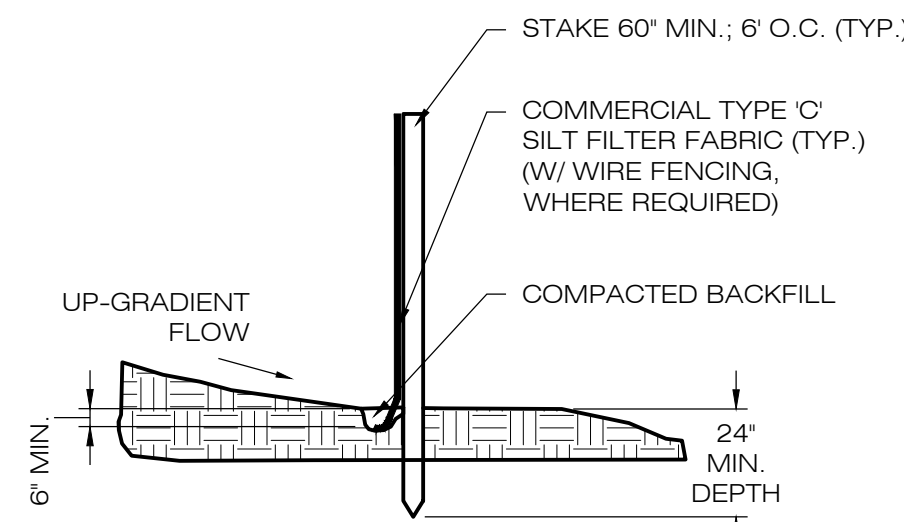
**ELLINGTON SOLAR**  
**SITE 24 MIDDLE ROAD**  
**ADDRESS: ELLINGTON, CT**  
**APT FILING NUMBER: CT722100**  
**DATE: 12/20/22** **DRAWN BY: JT**  
**CHECKED BY: KAM**

**SHEET TITLE:**  
**SEDIMENTATION & EROSION CONTROL NOTES**

**SHEET NUMBER:**  
**EC-1**

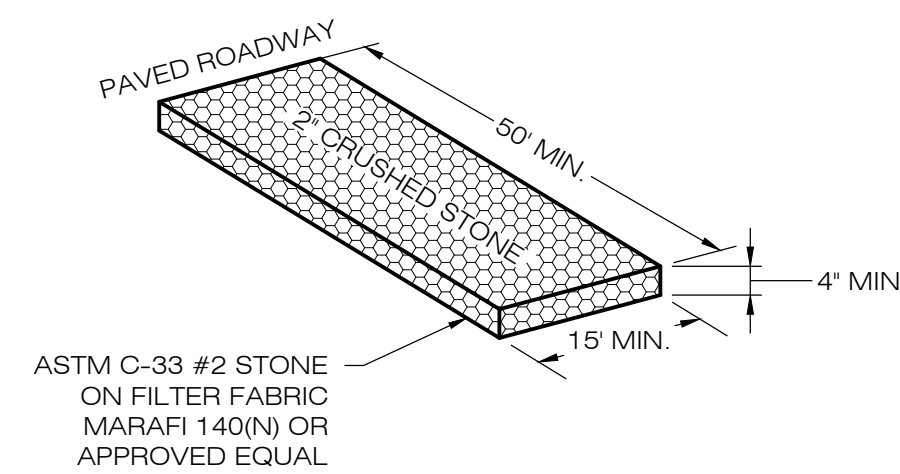




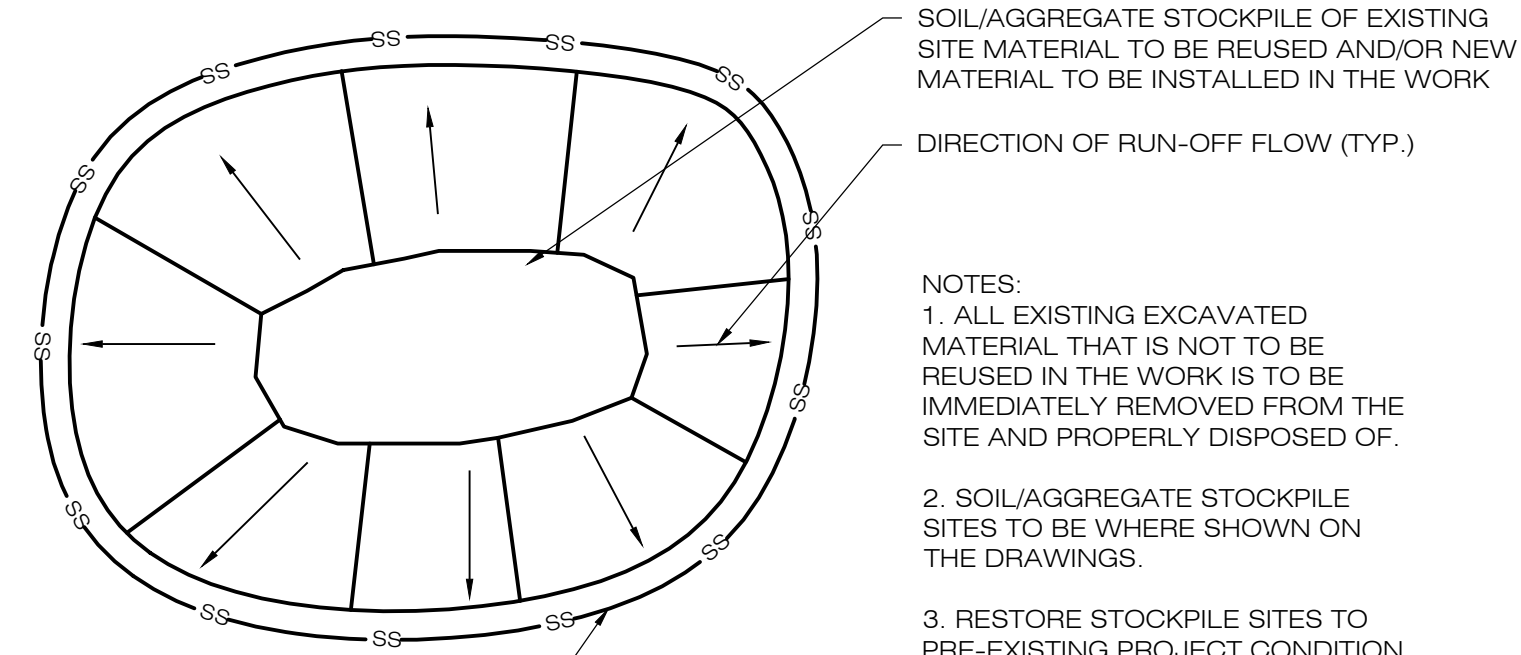


NOTE:  
SILT FENCE SHALL BE LAPPED ONLY  
WHEN NECESSARY PER THE  
MANUFACTURER RECOMMENDATIONS.

**1 SILT FENCE DETAIL**  
EC-2 SCALE : N.T.S.



**2 CONSTRUCTION ENTRANCE DETAIL**  
EC-2 SCALE : N.T.S.

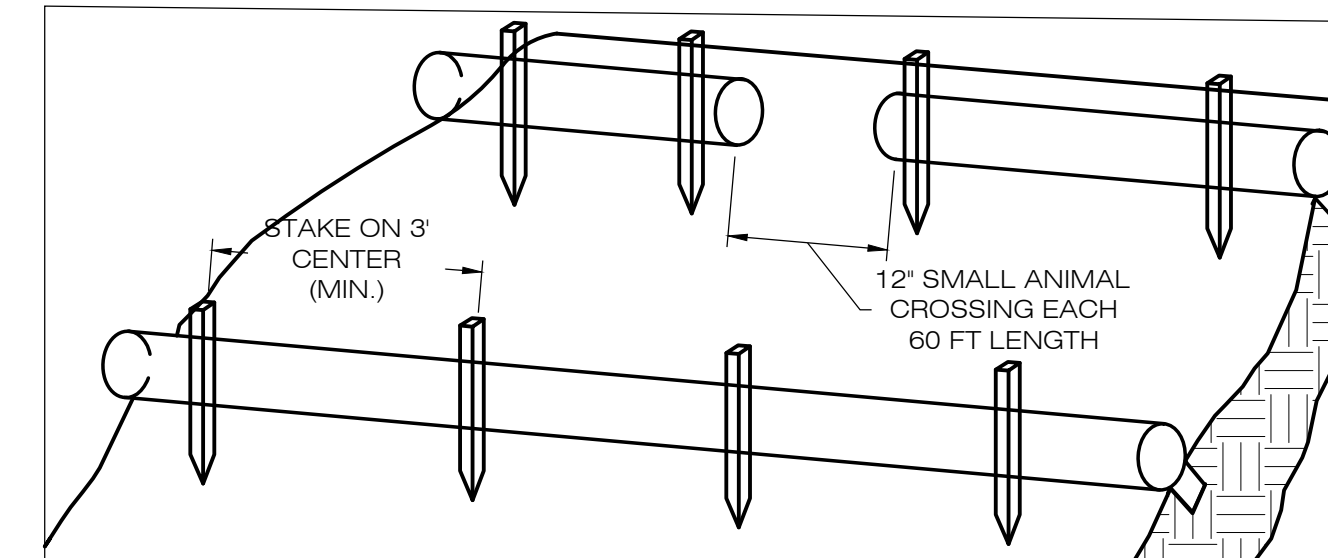


SOIL/AGGREGATE STOCKPILE OF EXISTING  
SITE MATERIAL TO BE REUSED AND/OR NEW  
MATERIAL TO BE INSTALLED IN THE WORK

DIRECTION OF RUN-OFF FLOW (TYP.)

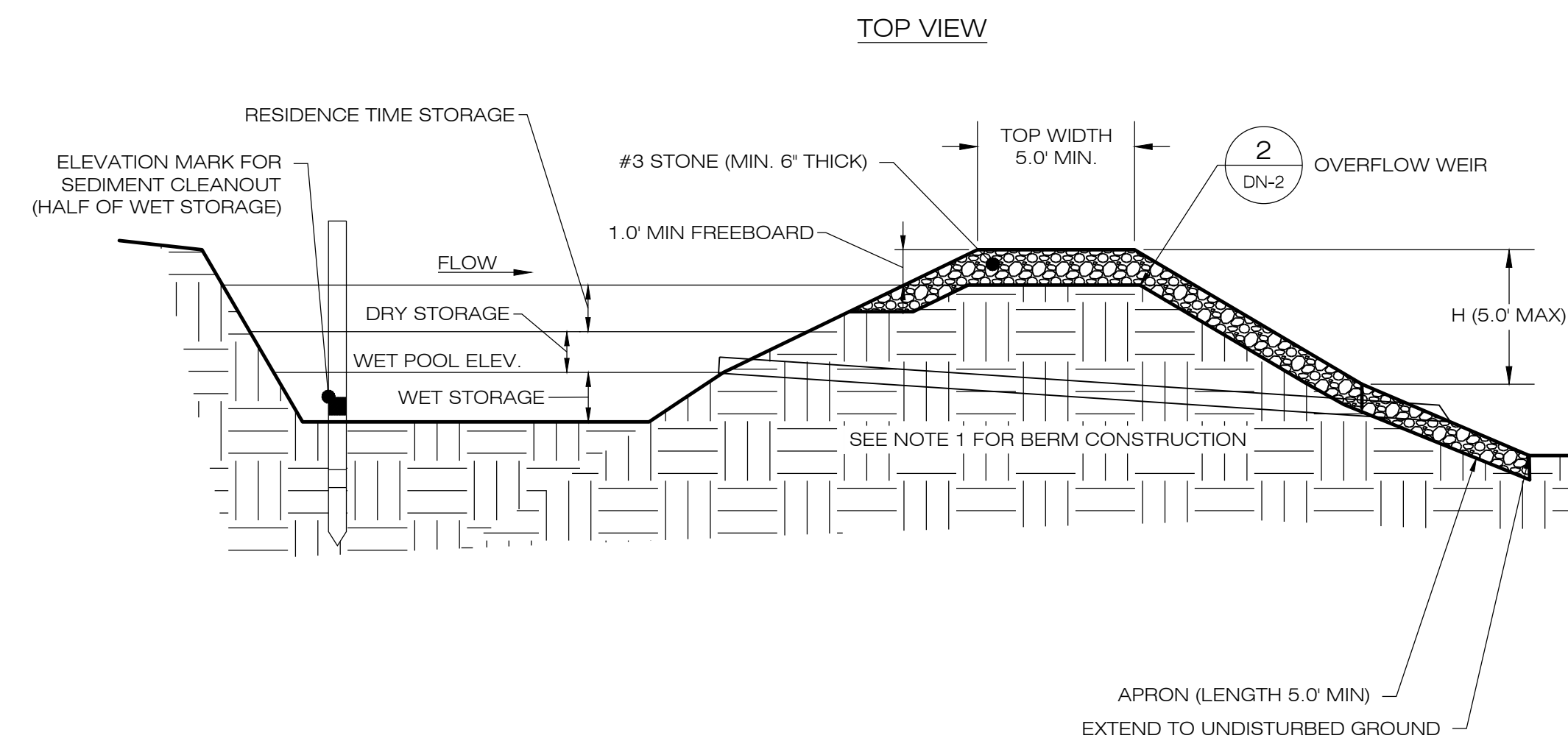
NOTES:  
1. ALL EXISTING EXCAVATED  
MATERIAL THAT IS NOT TO BE  
REUSED IN THE WORK IS TO BE  
IMMEDIATELY REMOVED FROM THE  
SITE AND PROPERLY DISPOSED OF.  
2. SOIL/AGGREGATE STOCKPILE  
SITES TO BE WHERE SHOWN ON  
THE DRAWINGS.  
3. RESTORE STOCKPILE SITES TO  
PRE-EXISTING PROJECT CONDITION  
AND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

**3 MATERIALS STOCKPILE DETAIL**  
EC-2 SCALE : N.T.S.



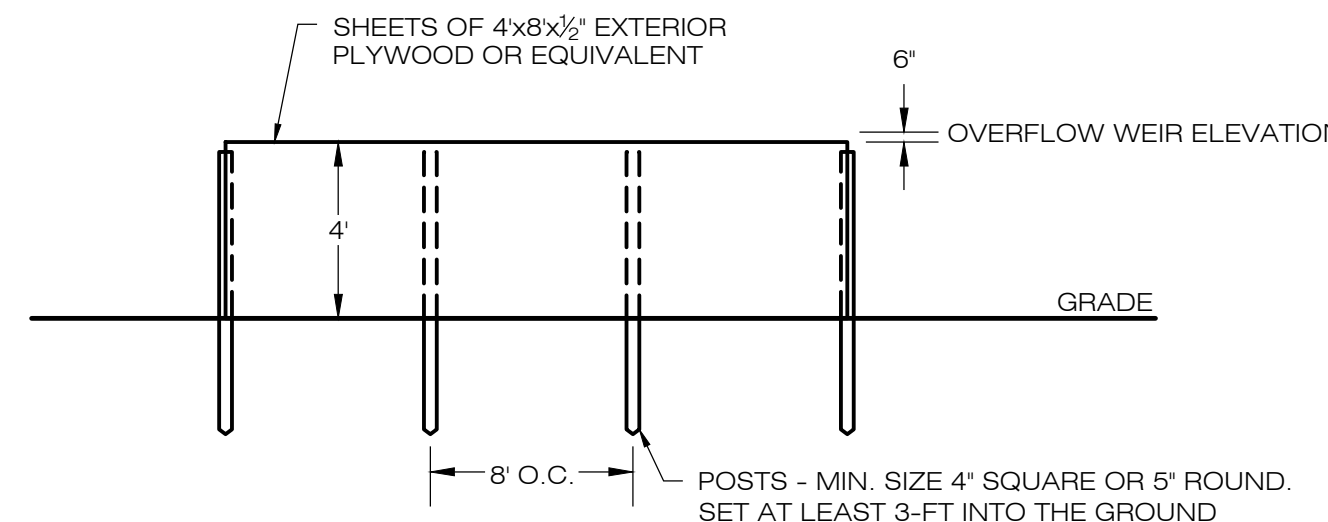
1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-3" (6-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.  
2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT 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**  
EC-2 SCALE : N.T.S.



NOTES:  
1. BERMS SHALL BE TEMPORARILY SEEDED AND STABILIZED WITH EROSION CONTROL PLAN.  
2. SEDIMENT BAFFLES SHALL BE INSTALLED AS SHOWN ON PLAN VIEW SHEETS.  
3. SEE TEMPORARY SEDIMENT BASIN SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

**5 TEMPORARY SEDIMENT BASIN**  
EC-2 SCALE : N.T.S.



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

**6 SEDIMENT TRAP BAFFLE**  
EC-2 SCALE : N.T.S.

TEMPORARY SEDIMENT BASIN SIZING TABLE

| NAME    | LOD DRAINAGE AREA (AC) | REQ. WET VOLUME (CF) | REQ. DRY VOLUME (CF) | REQ. RESIDENCE VOLUME (CF) | PROP. BTM. ELEV. (FT) | PROP. CULVERT ELEV. (FT) | PROP. WEIR CREST ELEV. (FT) | WET VOLUME PROVIDED (CF) | DRY & RES. VOL. PROVIDED (CF) | TOTAL VOL. PROVIDED (CF) | TOTAL VOL. REQUIRED (CF) |
|---------|------------------------|----------------------|----------------------|----------------------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------------|--------------------------|--------------------------|
| WESTERN | 11.98                  | 11,716               | 5,858                | 21,748                     | 251.0                 | 252.0                    | 253.5                       | 13,829                   | 26,515                        | 40,344                   | 39,323                   |
| EASTERN | 13.24                  | 12,948               | 6,474                | 24,034                     | 246.0                 | 247.0                    | 248.5                       | 16,253                   | 32,741                        | 48,994                   | 43,456                   |

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(202) 844-6423

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TECHNOLOGY CORPORATION

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WATERFORD, CT 06385 PHONE: (860)-663-1697  
WWW.ALLPOINTS TECH.COM FAX: (860)-663-0935

CSC PERMIT SET

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DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, P.E.  
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385

OWNER: PHRUMB PROPERTIES, LLC

ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR

SITE ADDRESS: 24 MIDDLE ROAD ELLINGTON, CT

APT FILING NUMBER: CT722100

DRAWN BY: JT

DATE: 12/20/22 CHECKED BY: KAM

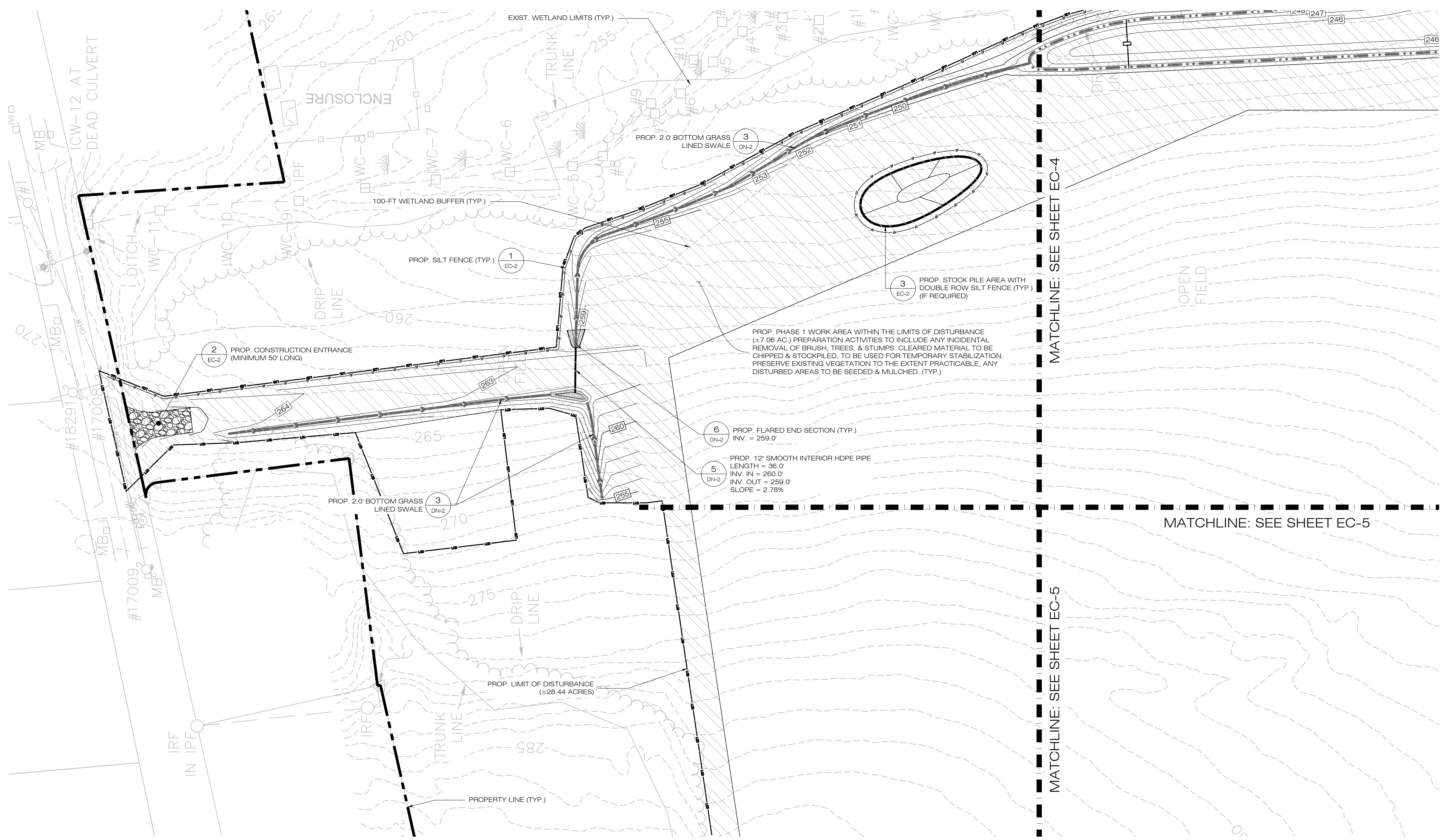
SHEET TITLE:  
**SEDIMENTATION & EROSION CONTROL DETAILS**

SHEET NUMBER:

EC-2







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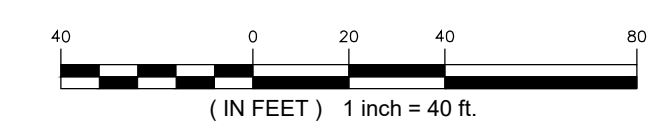
ELLINGTON SOLAR  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**PHASE 1  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

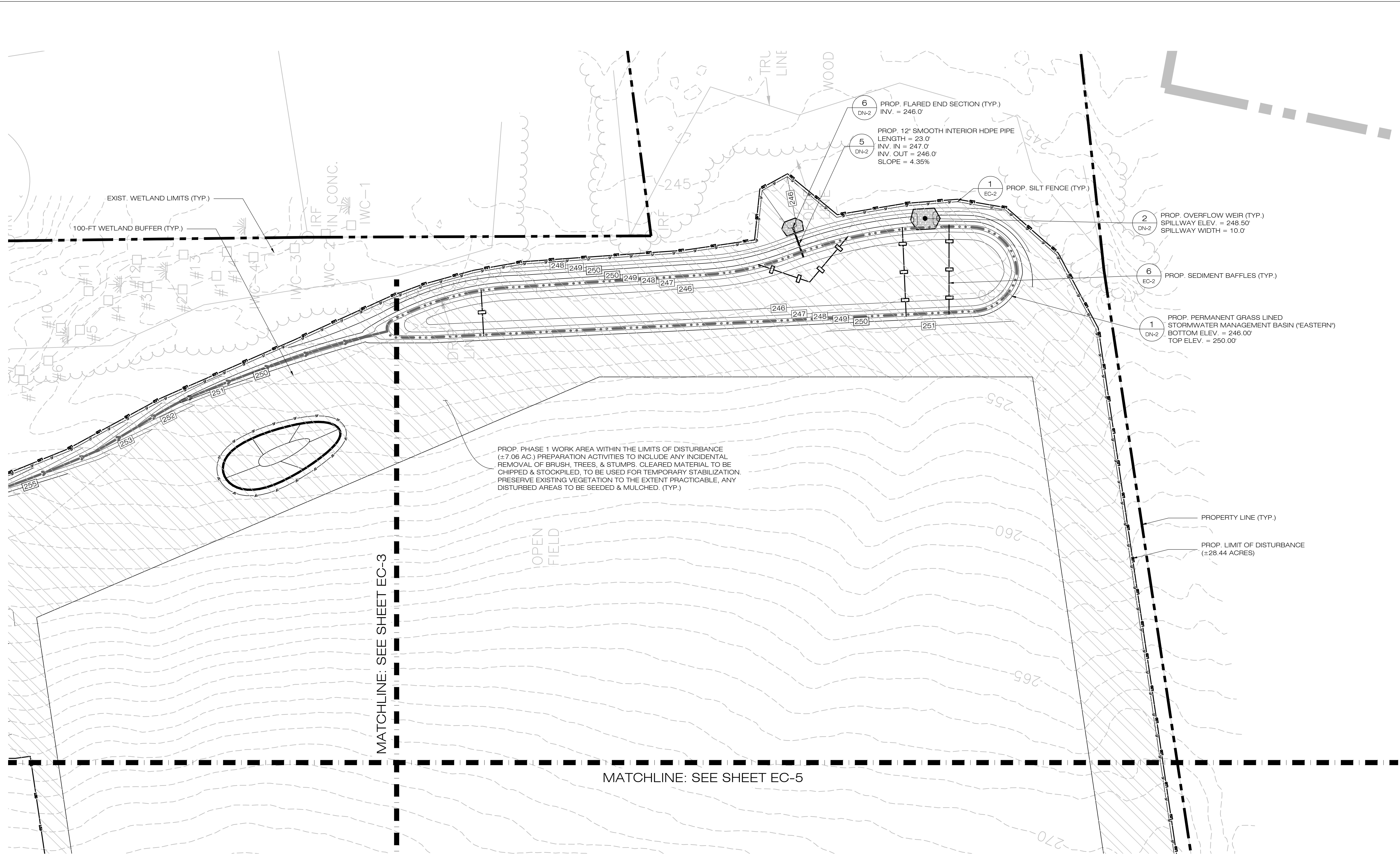
SHEET NUMBER:  
**EC-3**



**1 PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN**  
 EC-3 SCALE: 1" = 40'-0"







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 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

**ELLINGTON SOLAR**  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
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SHEET TITLE:  
**PHASE 1  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

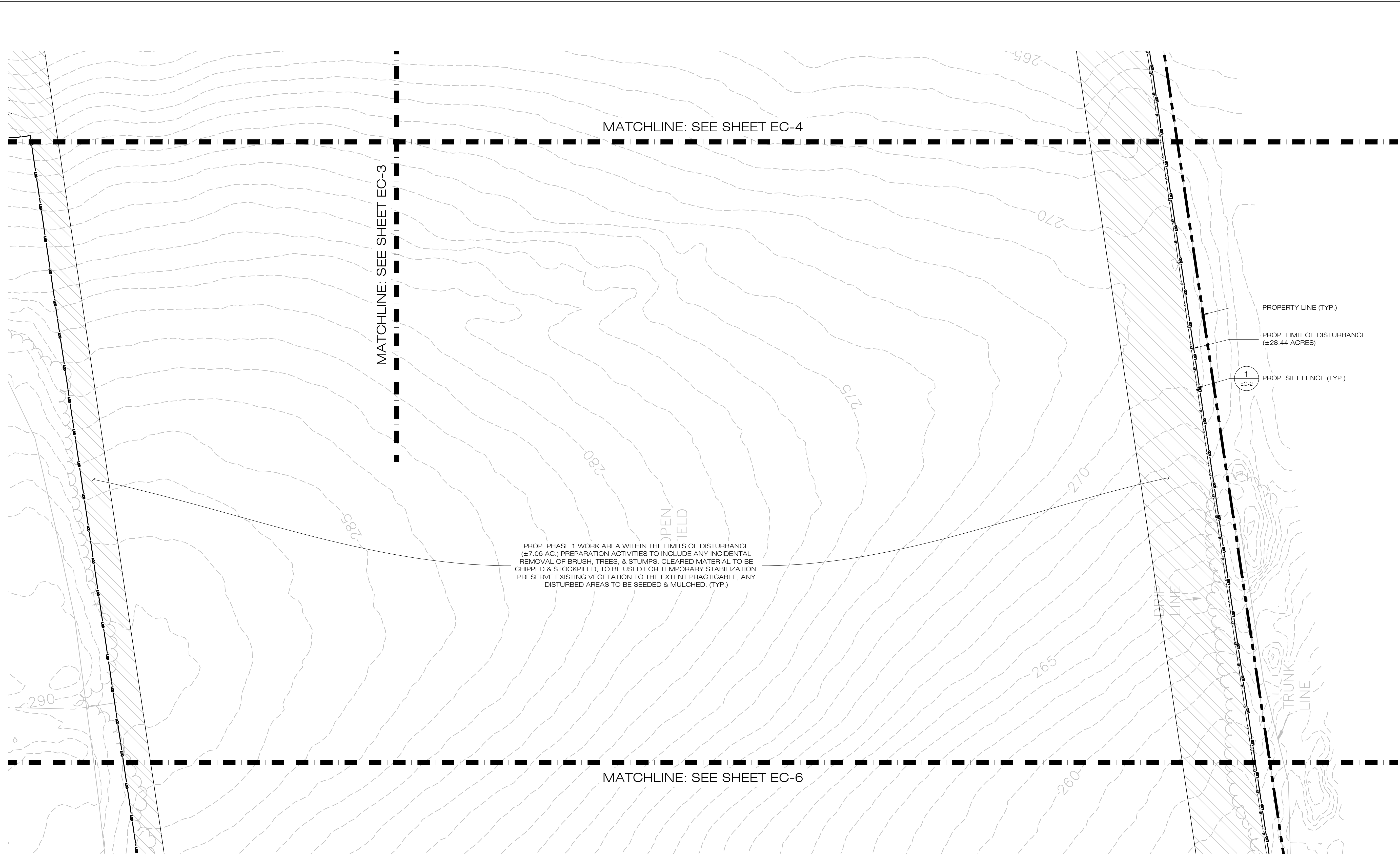
SHEET NUMBER:  
**EC-4**

PROP. PHASE 1 WORK AREA WITHIN THE LIMITS OF DISTURBANCE (±7.06 AC.) PREPARATION ACTIVITIES TO INCLUDE ANY INCIDENTAL REMOVAL OF BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. PRESERVE EXISTING VEGETATION TO THE EXTENT PRACTICABLE, ANY DISTURBED AREAS TO BE SEEDED & MULCHED. (TYP.)

MATCHLINE: SEE SHEET EC-3

MATCHLINE: SEE SHEET EC-5





PROP. PHASE 1 WORK AREA WITHIN THE LIMITS OF DISTURBANCE (±7.06 AC.) PREPARATION ACTIVITIES TO INCLUDE ANY INCIDENTAL REMOVAL OF BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. PRESERVE EXISTING VEGETATION TO THE EXTENT PRACTICABLE, ANY DISTURBED AREAS TO BE SEEDED & MULCHED. (TYP.)

- PROPERTY LINE (TYP.)
- PROP. LIMIT OF DISTURBANCE (±28.44 ACRES)
- 1 EC-2 PROP. SILT FENCE (TYP.)

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**CSC PERMIT SET**

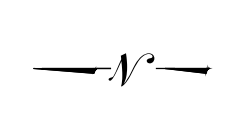
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 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

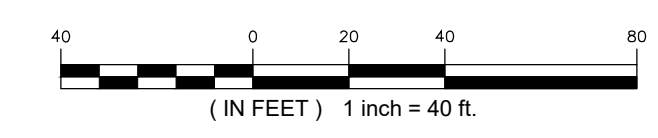
**ELLINGTON SOLAR**  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**PHASE 1  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

SHEET NUMBER:  
**EC-5**



**1**  
 EC-5 **PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN**  
 SCALE: 1" = 40'-0"





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DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385

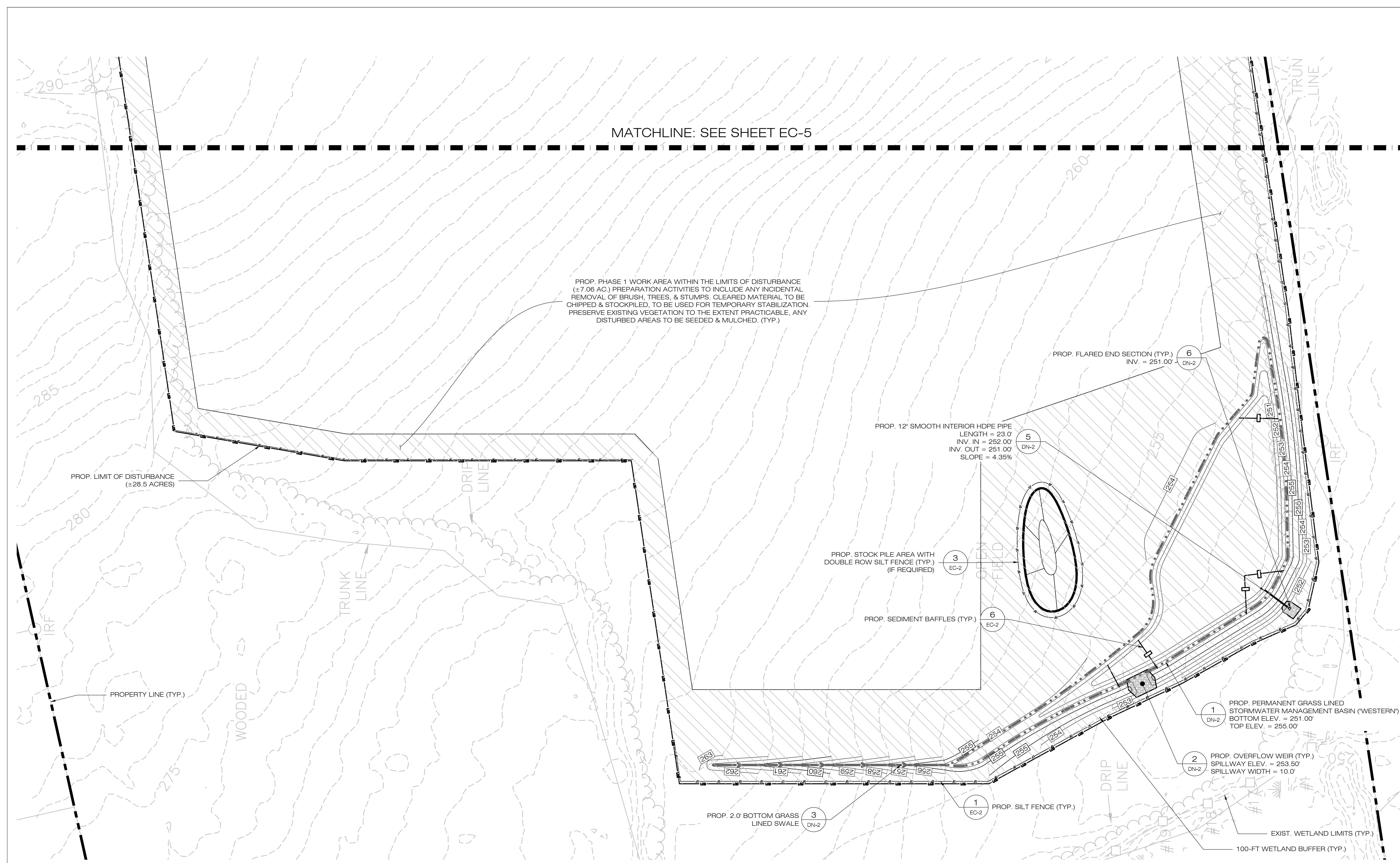
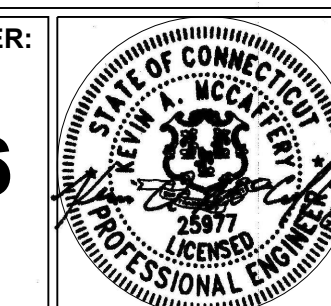
OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR

SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**PHASE 1  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

SHEET NUMBER:  
**EC-6**



PROP. PHASE 1 WORK AREA WITHIN THE LIMITS OF DISTURBANCE (±7.06 AC.) PREPARATION ACTIVITIES TO INCLUDE ANY INCIDENTAL REMOVAL OF BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. PRESERVE EXISTING VEGETATION TO THE EXTENT PRACTICABLE. ANY DISTURBED AREAS TO BE SEED & MULCHED. (TYP.)

PROP. STOCK PILE AREA WITH DOUBLE ROW SILT FENCE (TYP.) (IF REQUIRED)

PROP. 12" SMOOTH INTERIOR HDPE PIPE  
 LENGTH = 23.0'  
 INV. IN = 252.00  
 INV. OUT = 251.00  
 SLOPE = 4.35%

PROP. FLARED END SECTION (TYP.)  
 INV. = 251.00'  
 DN-2

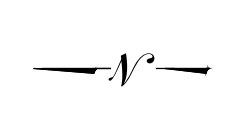
PROP. PERMANENT GRASS LINED STORMWATER MANAGEMENT BASIN (WESTERN)  
 BOTTOM ELEV. = 251.00'  
 TOP ELEV. = 255.00'

PROP. OVERFLOW WEIR (TYP.)  
 SPILLWAY ELEV. = 253.50'  
 SPILLWAY WIDTH = 10.0'

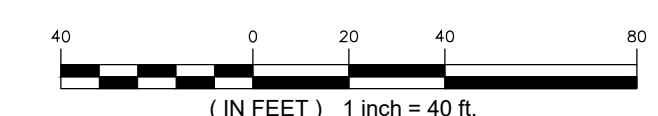
PROP. 2.0' BOTTOM GRASS LINED SWALE  
 DN-2

PROP. SILT FENCE (TYP.)  
 EC-2

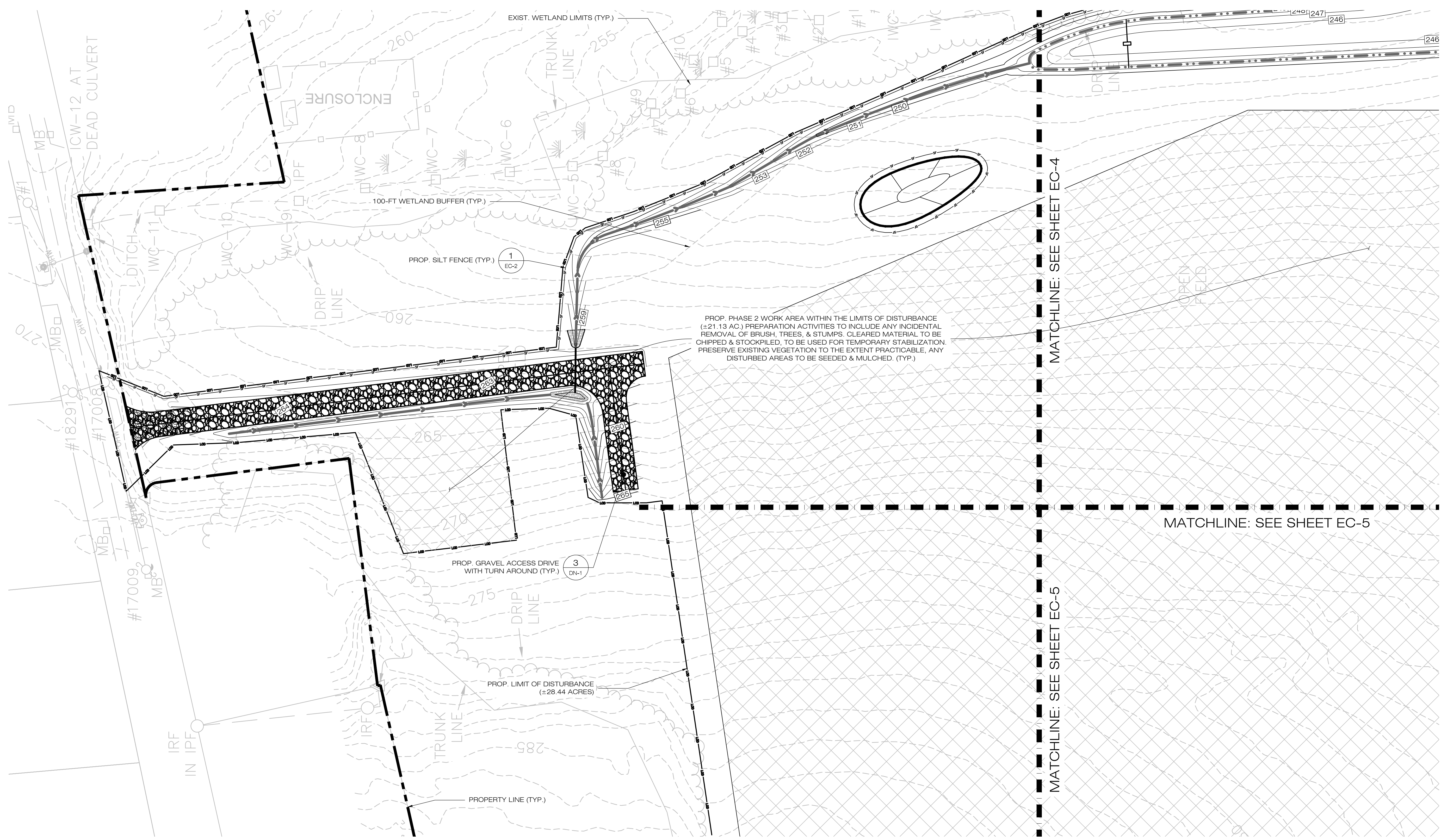
EXIST. WETLAND LIMITS (TYP.)  
 100-FT WETLAND BUFFER (TYP.)



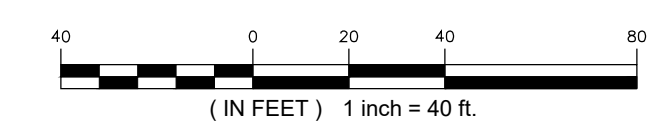
**1 PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN**  
 EC-6 SCALE: 1" = 40'-0"







1 PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN  
 EC-7 SCALE: 1" = 40'-0"



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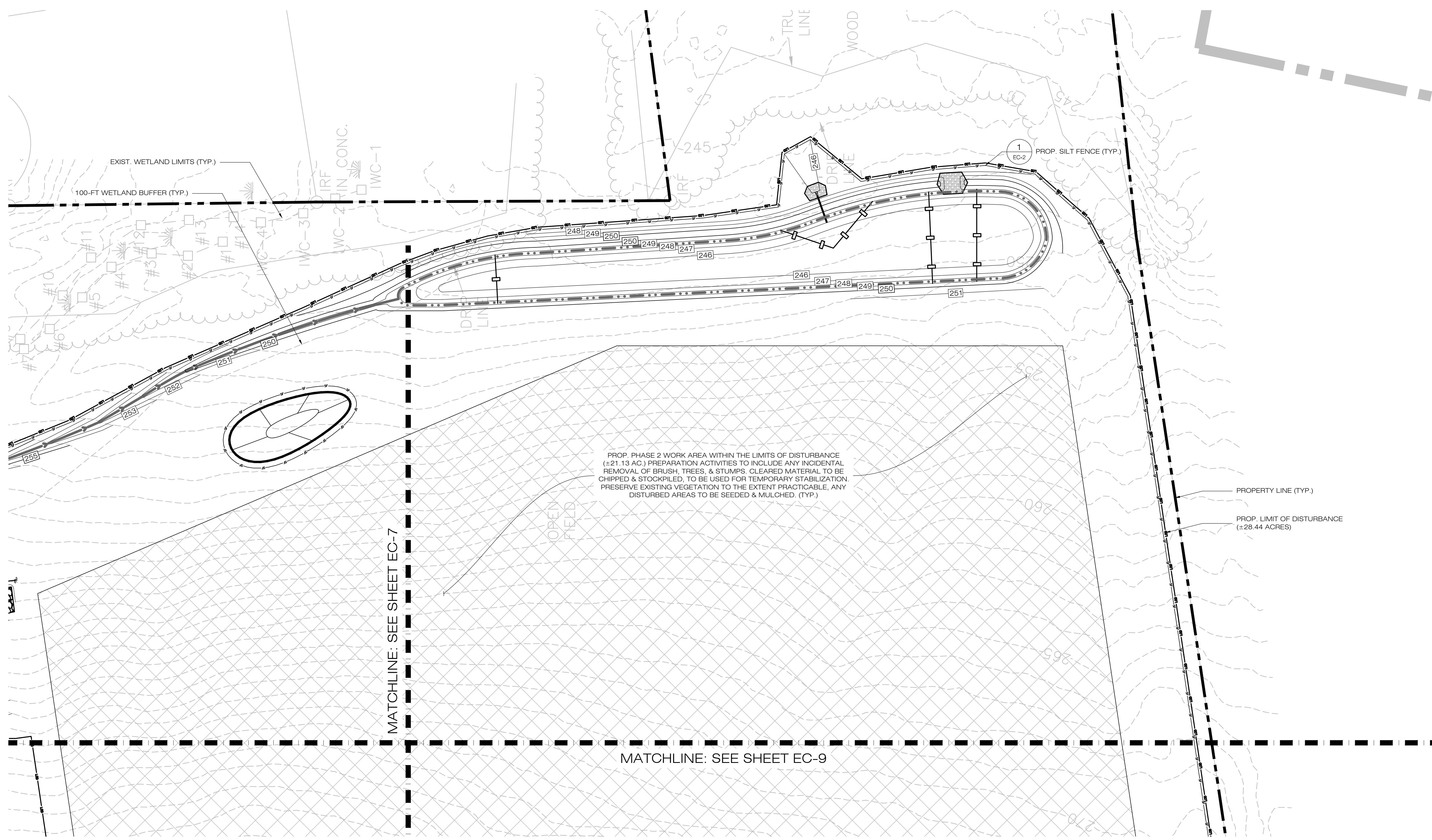
DESIGN PROFESSIONAL OF RECORD  
 PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR  
 SITE ADDRESS: 24 MIDDLE ROAD ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

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

SHEET NUMBER:  
**EC-7**

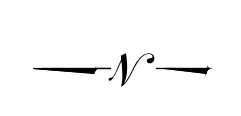




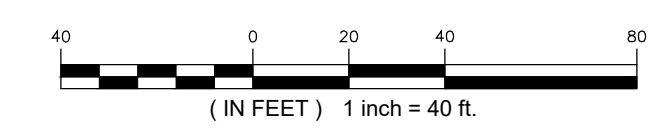
PROP. PHASE 2 WORK AREA WITHIN THE LIMITS OF DISTURBANCE (±21.13 AC.) PREPARATION ACTIVITIES TO INCLUDE ANY INCIDENTAL REMOVAL OF BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. PRESERVE EXISTING VEGETATION TO THE EXTENT PRACTICABLE, ANY DISTURBED AREAS TO BE SEED & MULCHED. (TYP.)

MATCHLINE: SEE SHEET EC-7

MATCHLINE: SEE SHEET EC-9



**1**  
EC-8 **PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN**  
SCALE: 1" = 40'-0"



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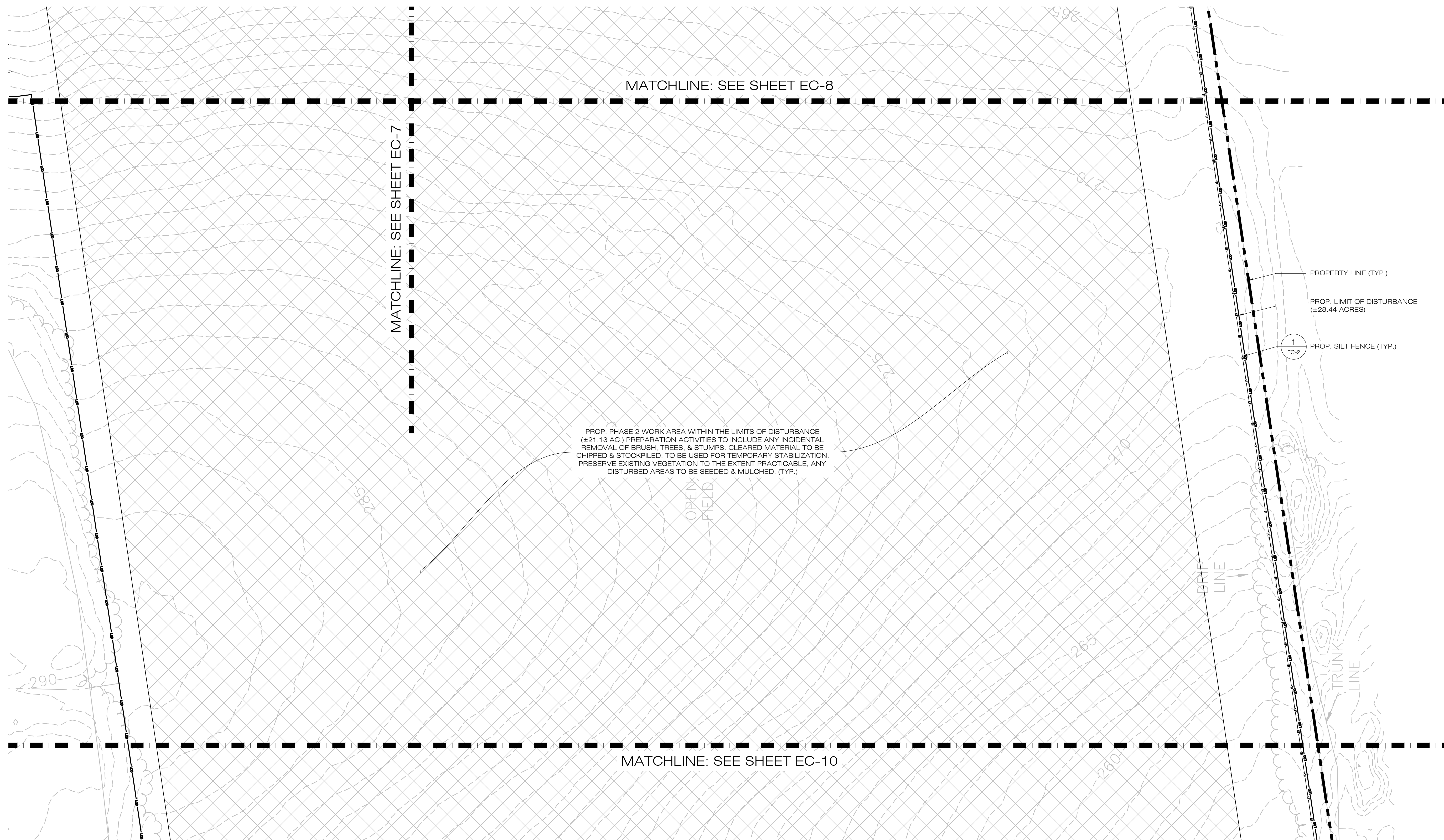
**DESIGN PROFESSIONAL OF RECORD**  
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OWNER: PHRUMB PROPERTIES, LLC  
ADDRESS: PO BOX 1213  
SOUTH WINDSOR, CT 06074

**ELLINGTON SOLAR**  
SITE: 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT  
APT FILING NUMBER: CT722100  
DRAWN BY: JT  
DATE: 12/20/22  
CHECKED BY: KAM

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

SHEET NUMBER:  
**EC-8**





MATCHLINE: SEE SHEET EC-8

MATCHLINE: SEE SHEET EC-7

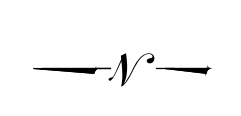
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PROPERTY LINE (TYP.)

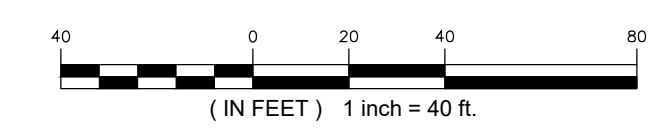
PROP. LIMIT OF DISTURBANCE (±28.44 ACRES)

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

MATCHLINE: SEE SHEET EC-10



**1**  
EC-9 **PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN**  
SCALE: 1" = 40'-0"



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**ELLINGTON SOLAR**

SITE: 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT

APT FILING NUMBER: CT722100

DATE: 12/20/22  
DRAWN BY: JT  
CHECKED BY: KAM

**SHEET TITLE:**

**PHASE 2  
SEDIMENTATION &  
EROSION CONTROL PLAN**

**SHEET NUMBER:**

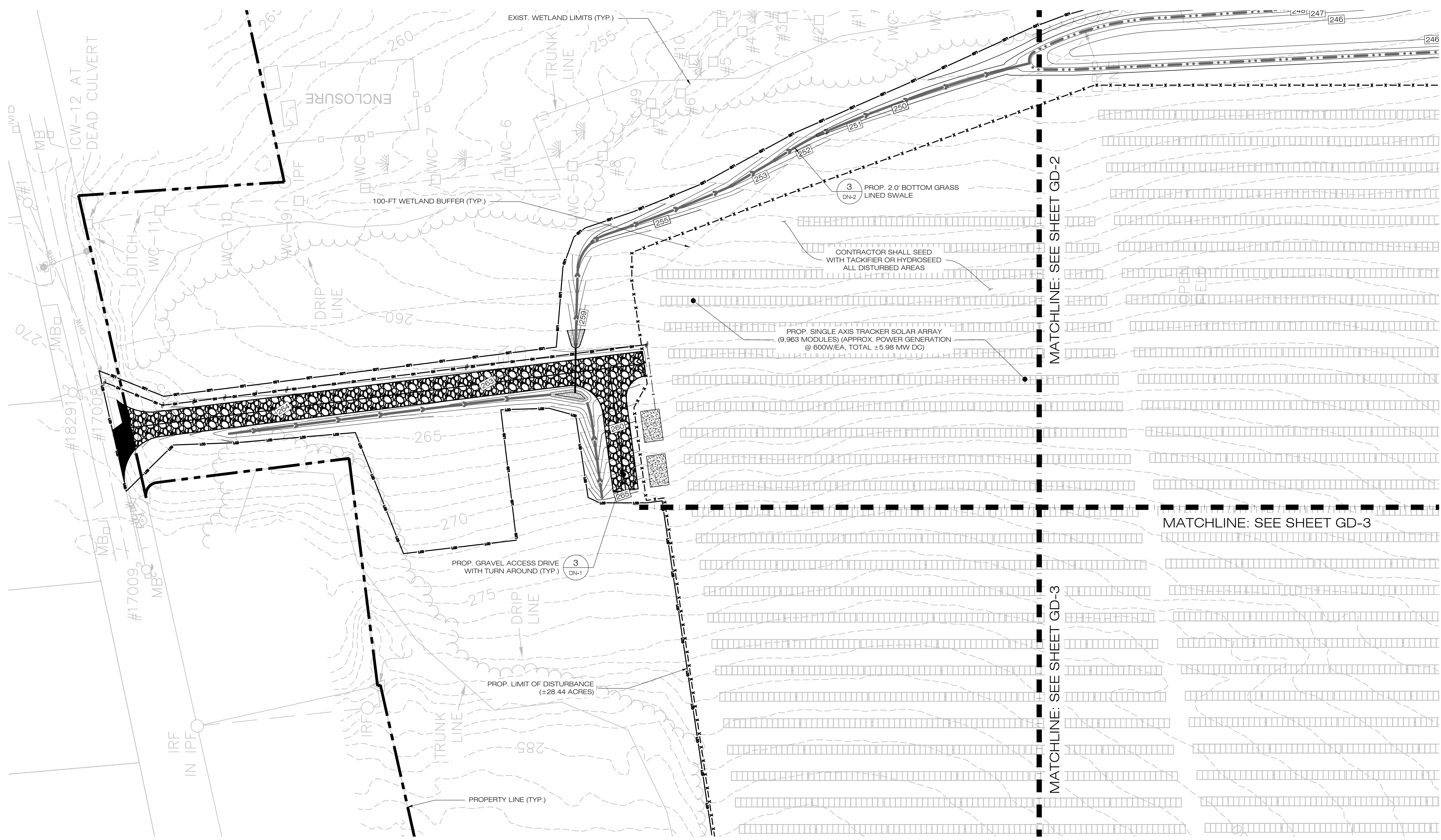
**EC-9**











1
GD-1
FINAL GRADING & DRAINAGE PLAN
SCALE: 1" = 40'-0"

  
 (IN FEET) 1 inch = 40 ft.

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OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213  
 SOUTH WINDSOR, CT 06074

---

**ELLINGTON SOLAR**

SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100

|                 |              |
|-----------------|--------------|
| DATE: 12/20/22  | DRAWN BY: JT |
| CHECKED BY: KAM |              |

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SHEET TITLE:

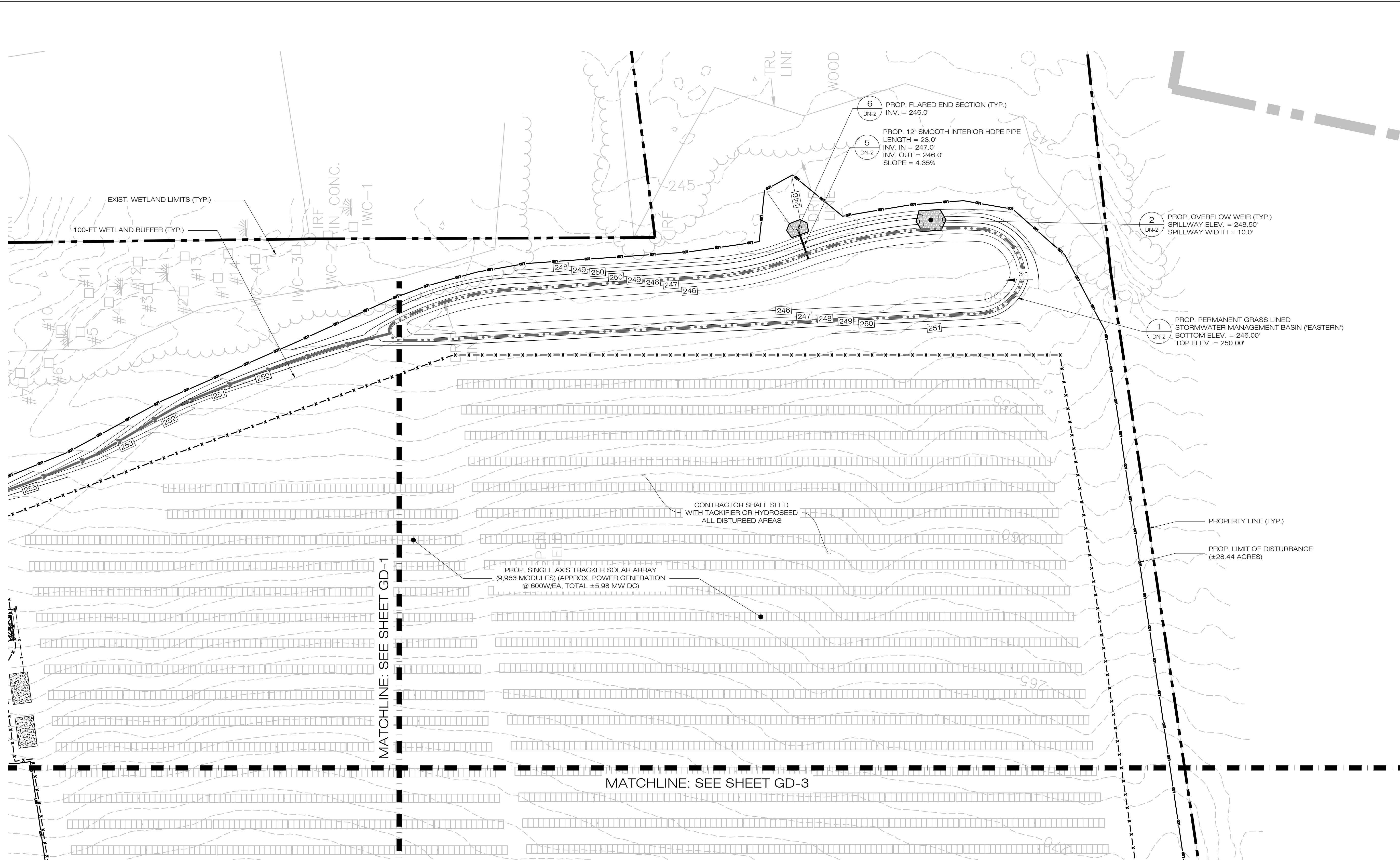
**FINAL GRADING & DRAINAGE PLAN**

---

SHEET NUMBER:

GD-1





**COMMUNITY POWER GROUP**  
5636 CONNECTICUT AVE #42729  
WASHINGTON, DC 20015  
(202) 844-6423

**ALL-POINTS TECHNOLOGY CORPORATION**  
567 VAUXHALL 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  | 12/20/22 | FOR REVIEW: KAM |
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**DESIGN PROFESSIONAL OF RECORD**  
PROF: KEVIN A. MCCAFFERY, P.E.  
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385  
OWNER: PHRUMB PROPERTIES, LLC  
ADDRESS: PO BOX 1213  
SOUTH WINDSOR, CT 06074

**ELLINGTON SOLAR**  
SITE: 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT  
APT FILING NUMBER: CT722100  
DRAWN BY: JT  
DATE: 12/20/22  
CHECKED BY: KAM

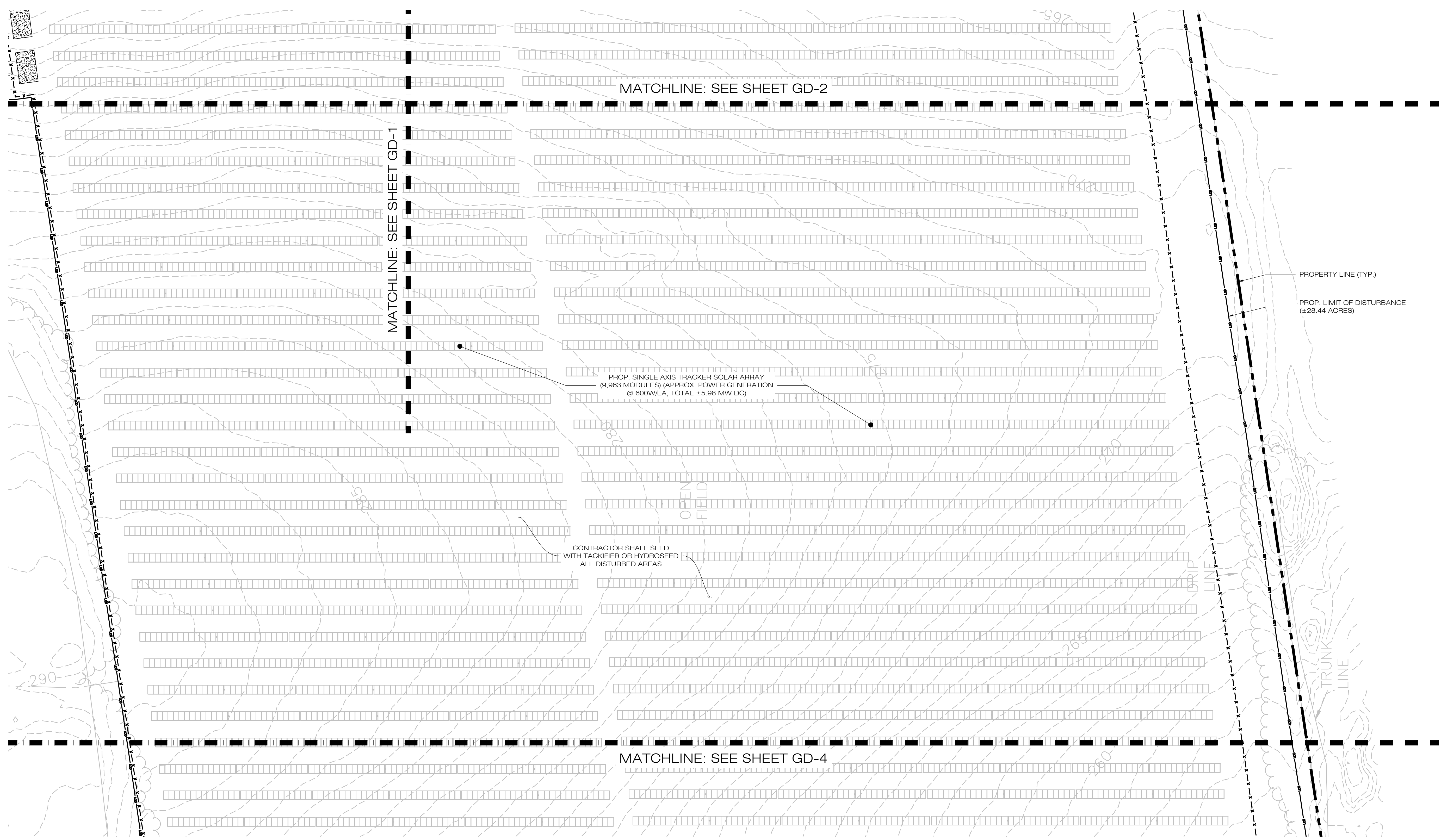
SHEET TITLE:  
**FINAL GRADING & DRAINAGE PLAN**

SHEET NUMBER:  
**GD-2**

**1 GD-2**  
SCALE: 1" = 40'-0"

(IN FEET) 1 inch = 40 ft.





COMMUNITY POWER GROUP  
 5636 CONNECTICUT  
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**ALL-POINTS**  
 TECHNOLOGY CORPORATION  
 567 VAUXHALL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385 PHONE: (860)-863-1697  
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CSC PERMIT SET

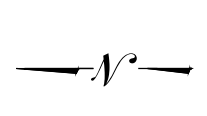
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DESIGN PROFESSIONAL OF RECORD  
 PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

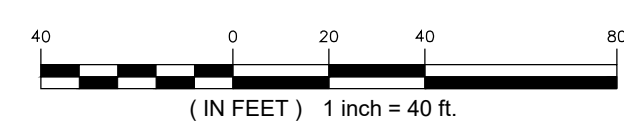
ELLINGTON SOLAR  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**FINAL GRADING & DRAINAGE PLAN**

SHEET NUMBER:  
**GD-3**



**1**  
 GD-3 **FINAL GRADING & DRAINAGE PLAN**  
 SCALE: 1" = 40'-0"





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 AVE #42729  
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567 VAUXHALL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385 PHONE: (860)-863-1697  
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CSC PERMIT SET

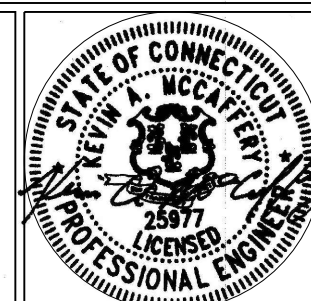
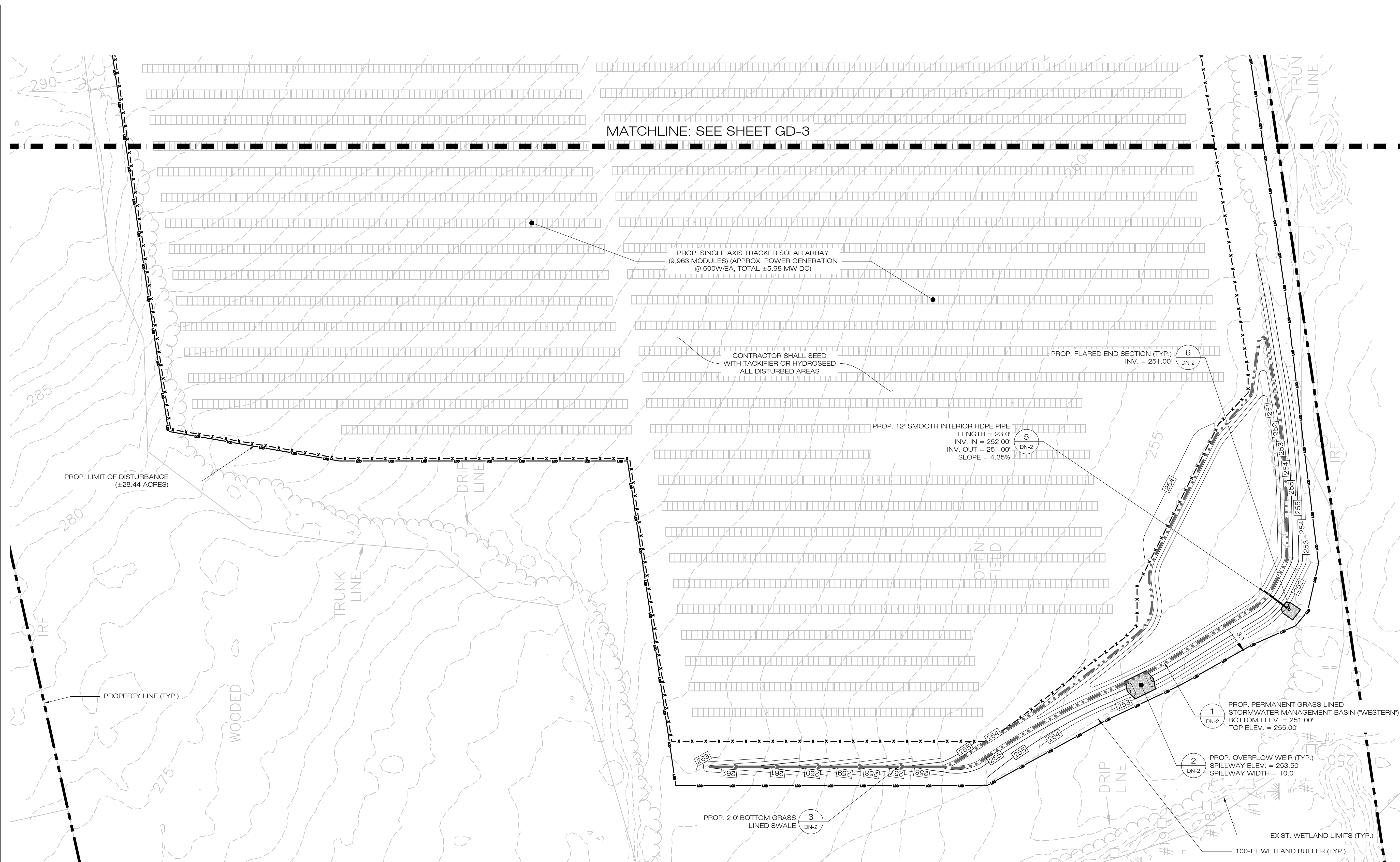
| NO | DATE     | REVISION        |
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DESIGN PROFESSIONAL OF RECORD  
 PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

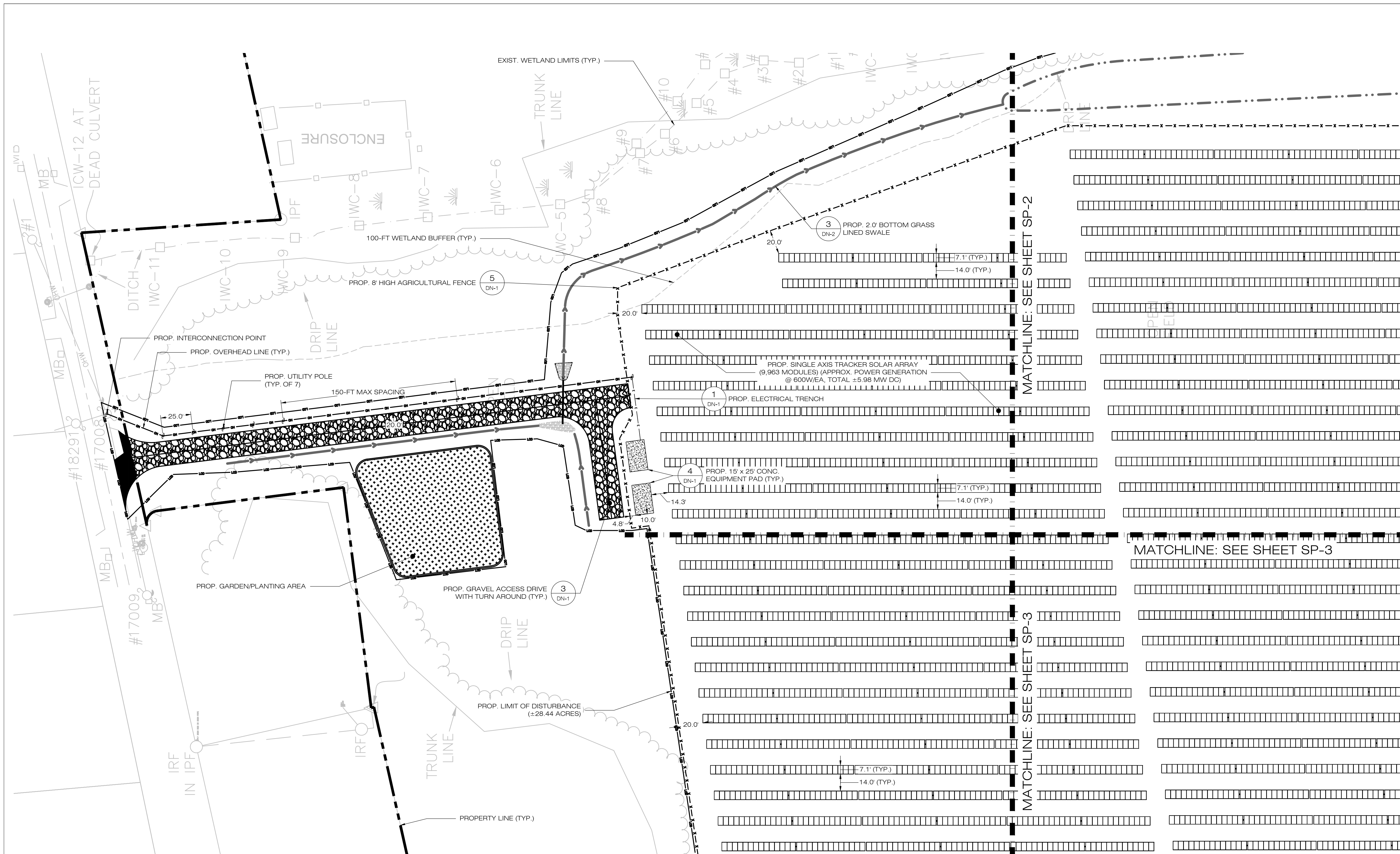
ELLINGTON SOLAR  
 SITE ADDRESS: 24 MIDDLE ROAD ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**FINAL GRADING & DRAINAGE PLAN**

SHEET NUMBER:  
**GD-4**





COMMUNITY POWER GROUP  
 5636 CONNECTICUT  
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**ALL-POINTS**  
 TECHNOLOGY CORPORATION  
 567 VAUXHALL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385 PHONE: (860)-663-1697  
 WWW.ALLPOINTS TECH.COM FAX: (860)-663-0935

CSC PERMIT SET

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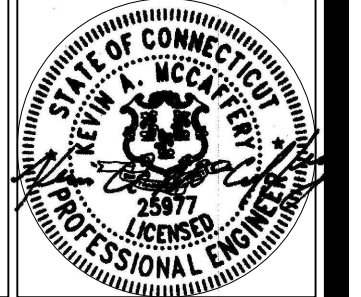
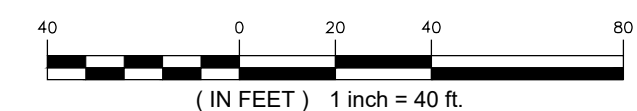
DESIGN PROFESSIONAL OF RECORD  
 PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

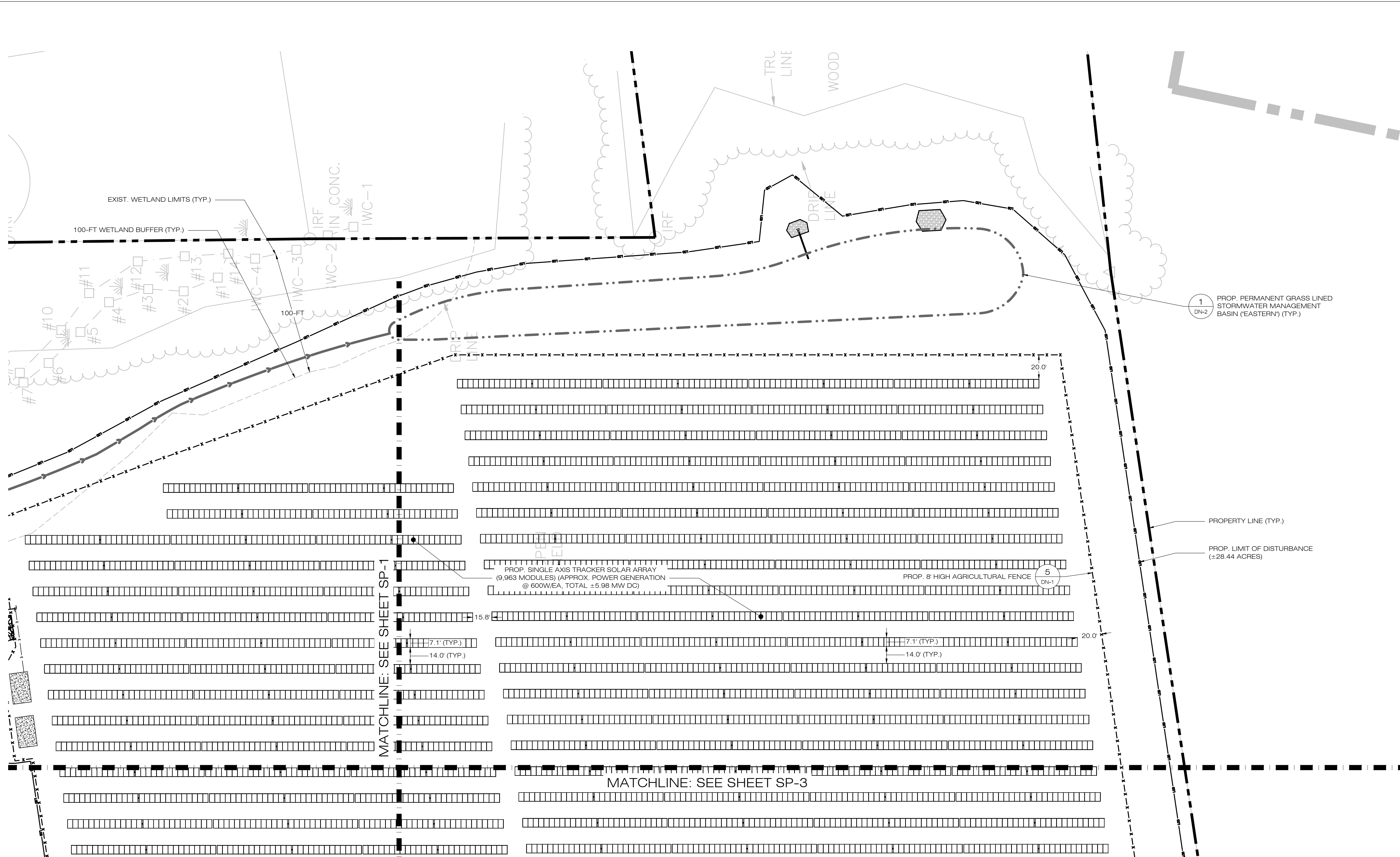
SHEET TITLE:  
**SITE & UTILITY PLAN**

SHEET NUMBER:  
**SP-1**

**1 SITE & UTILITY PLAN**  
 SCALE: 1" = 40'-0"







COMMUNITY POWER GROUP  
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CSC PERMIT SET

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 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

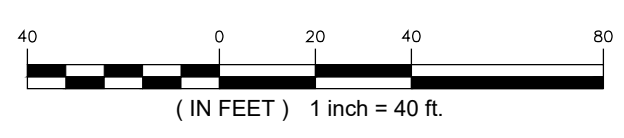
**ELLINGTON SOLAR**  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**SITE & UTILITY PLAN**

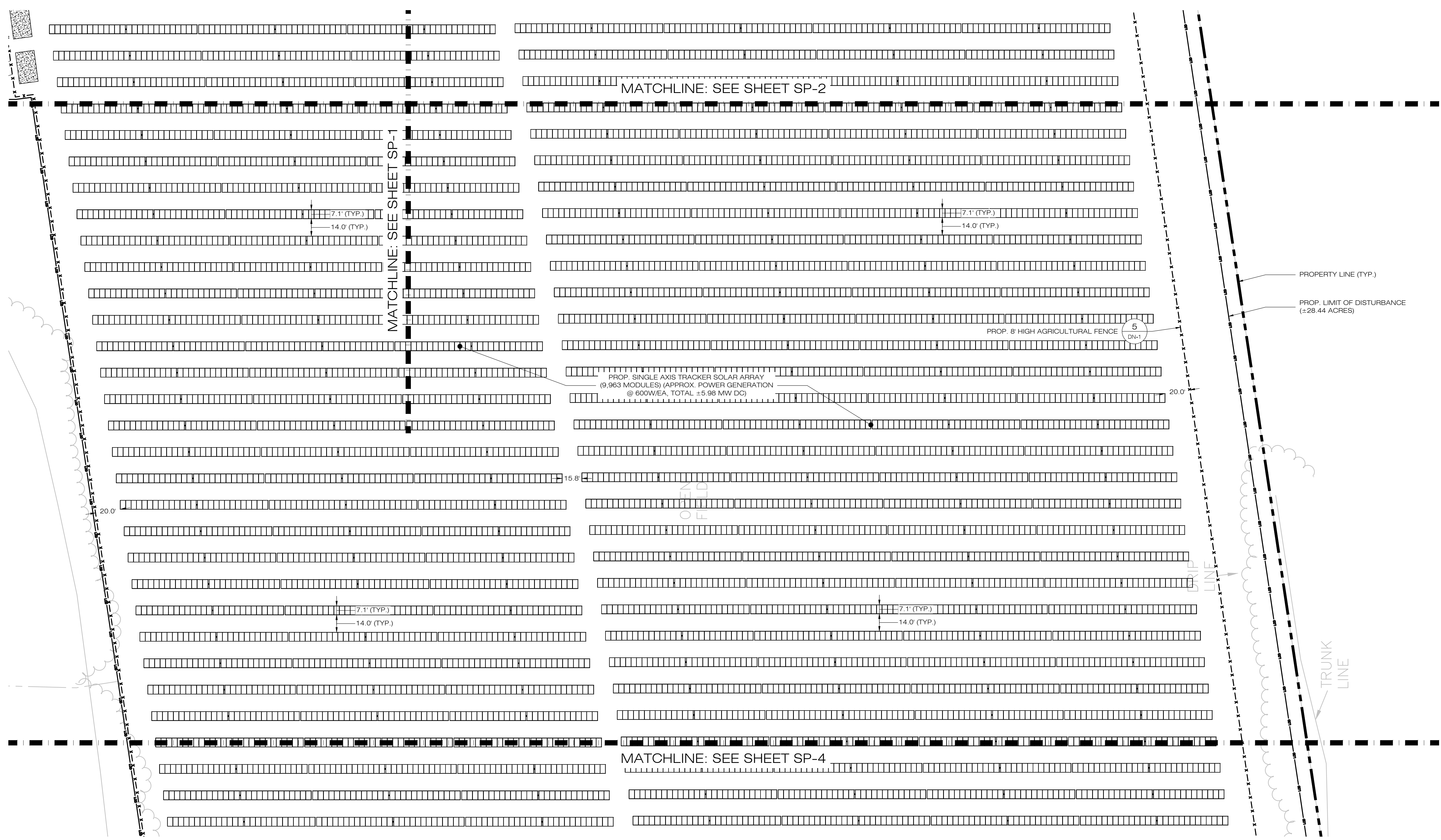
SHEET NUMBER:  
**SP-2**



**1 SITE & UTILITY PLAN**  
 SP-2 SCALE: 1" = 40'-0"







**COMMUNITY POWER GROUP**  
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 WASHINGTON, DC 20015  
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**ALL-POINTS TECHNOLOGY CORPORATION**  
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**CSC PERMIT SET**

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 WATERFORD, CT 06385  
 OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213  
 SOUTH WINDSOR, CT 06074

**ELLINGTON SOLAR**  
 SITE ADDRESS: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
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SHEET TITLE:  
**SITE & UTILITY PLAN**

SHEET NUMBER:  
**SP-3**

STATE OF CONNECTICUT  
 KEVIN A. MCCAFFERY  
 LICENSED PROFESSIONAL ENGINEER



COMMUNITY POWER GROUP  
 5636 CONNECTICUT  
 AVE #42729  
 WASHINGTON, DC 20015  
 (202) 844-6423



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CSC PERMIT SET

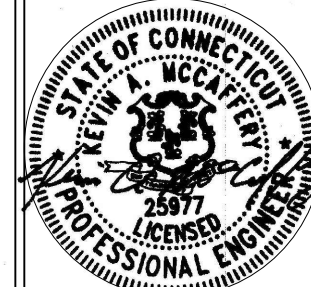
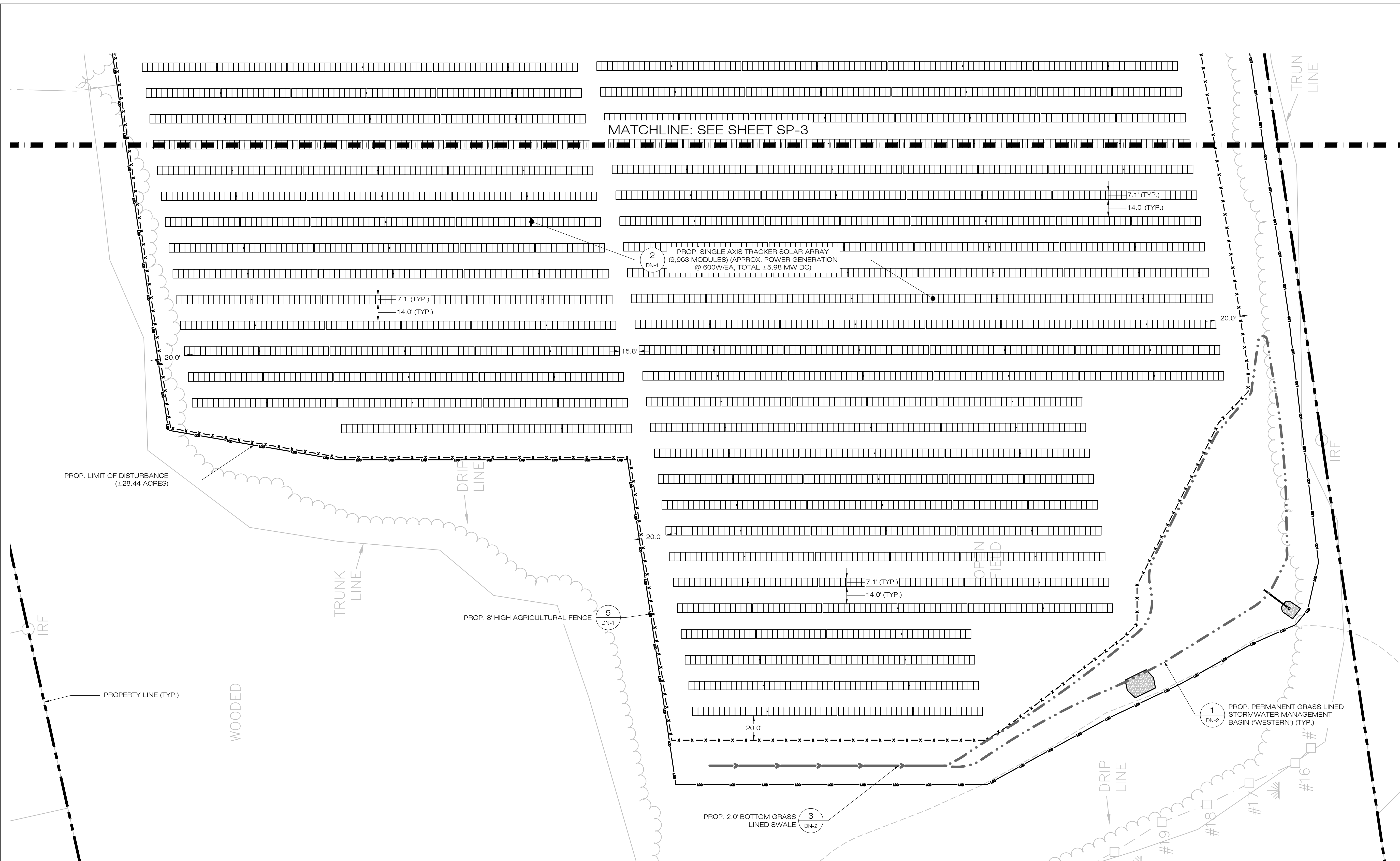
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 PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
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 ADDRESS: PO BOX 1213 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR  
 SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT  
 APT FILING NUMBER: CT722100  
 DATE: 12/20/22  
 DRAWN BY: JT  
 CHECKED BY: KAM

SHEET TITLE:  
**SITE & UTILITY PLAN**

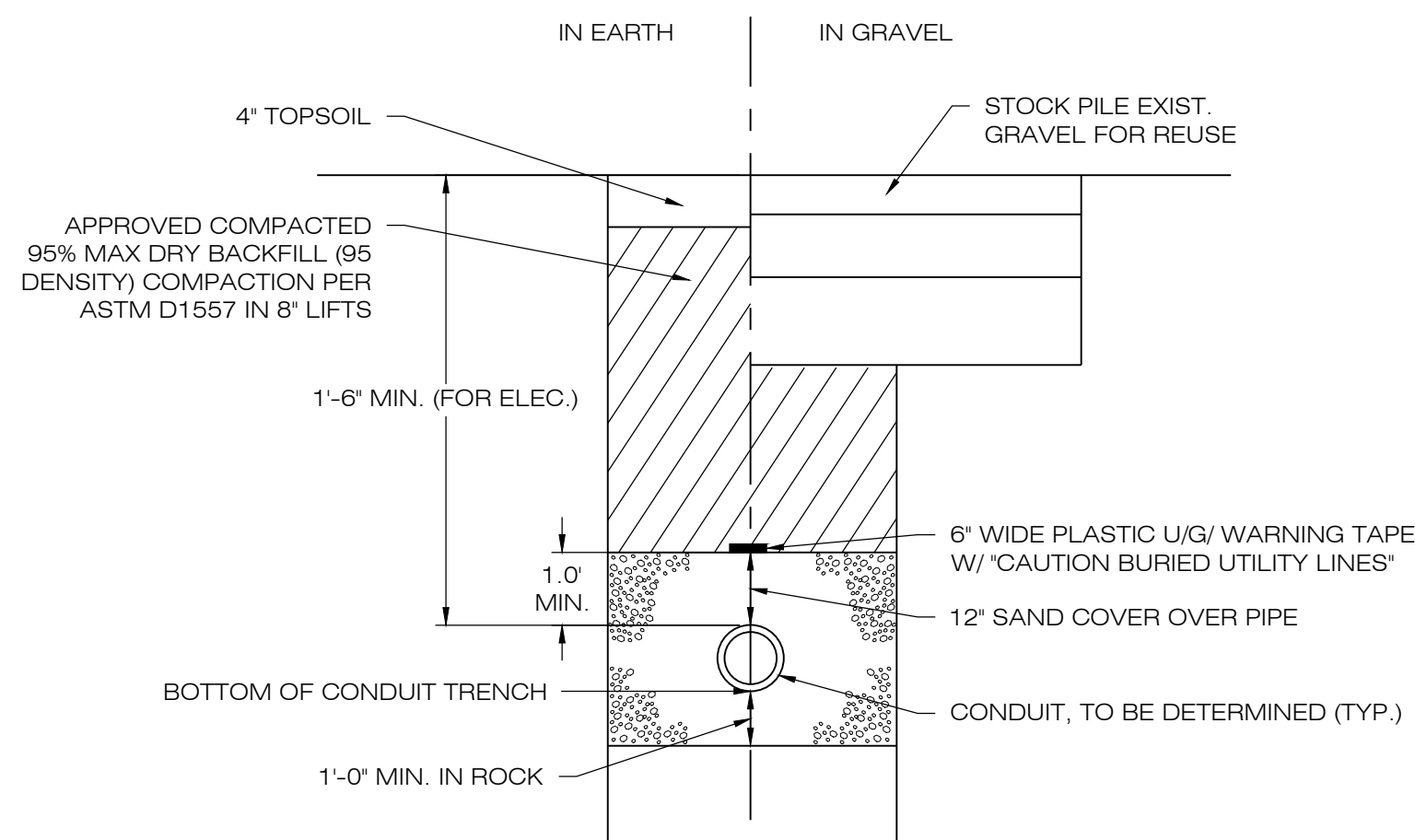
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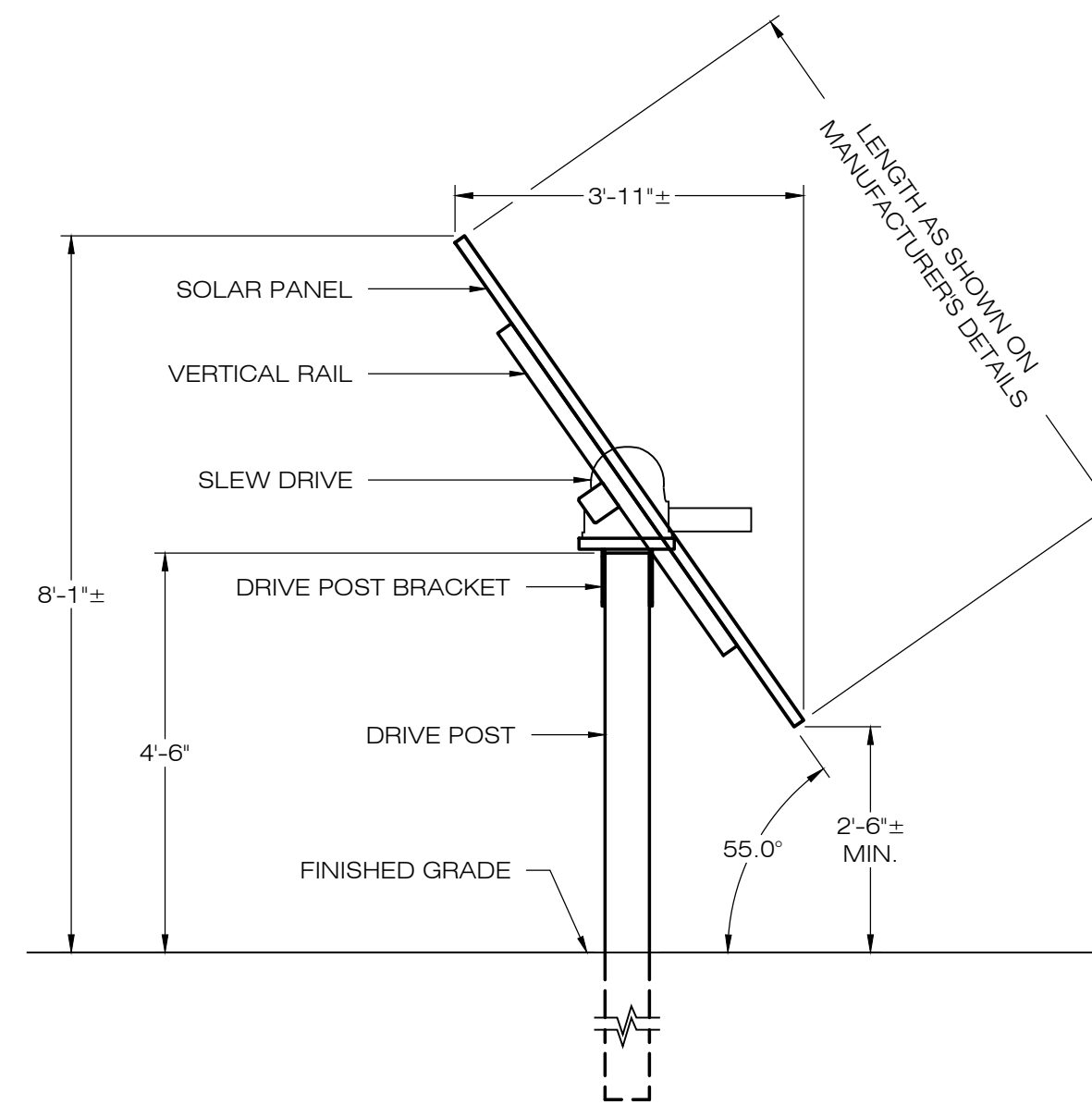
1 SITE & UTILITY PLAN  
 SP-4 SCALE: 1" = 40'-0"





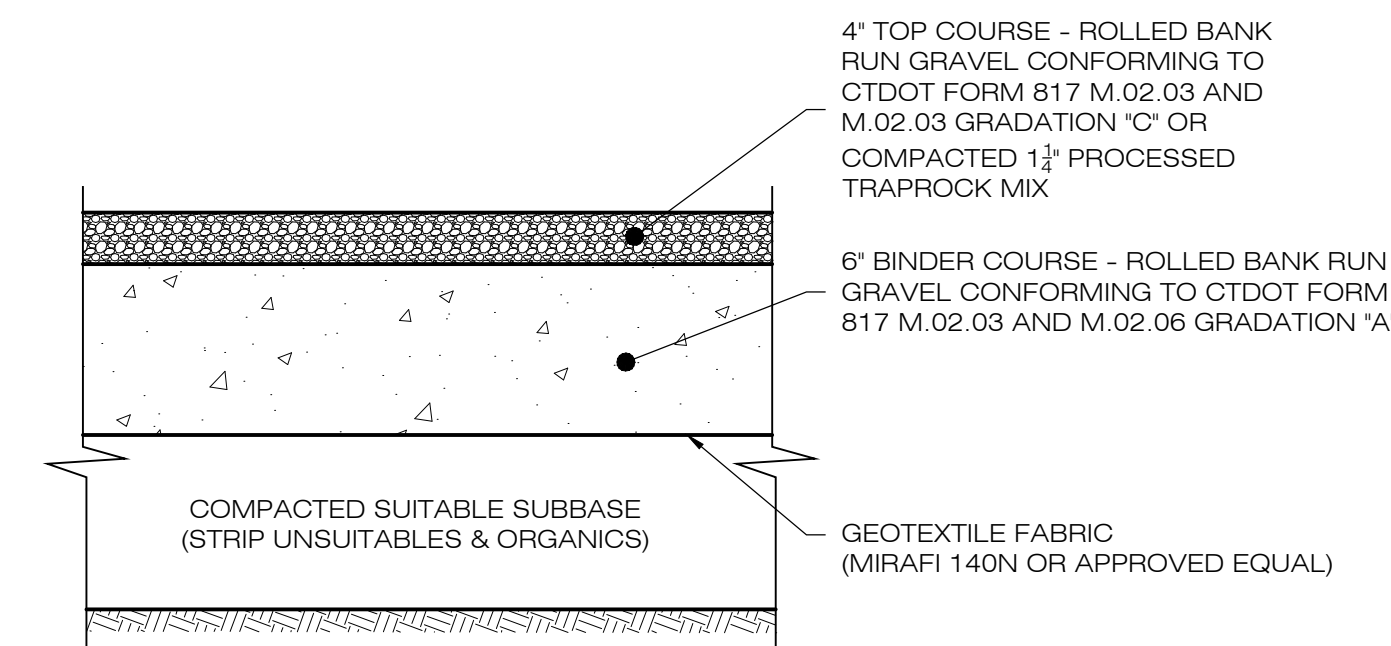


**1 ELECTRICAL TRENCH DETAIL**  
 DN-1 SCALE : N.T.S.



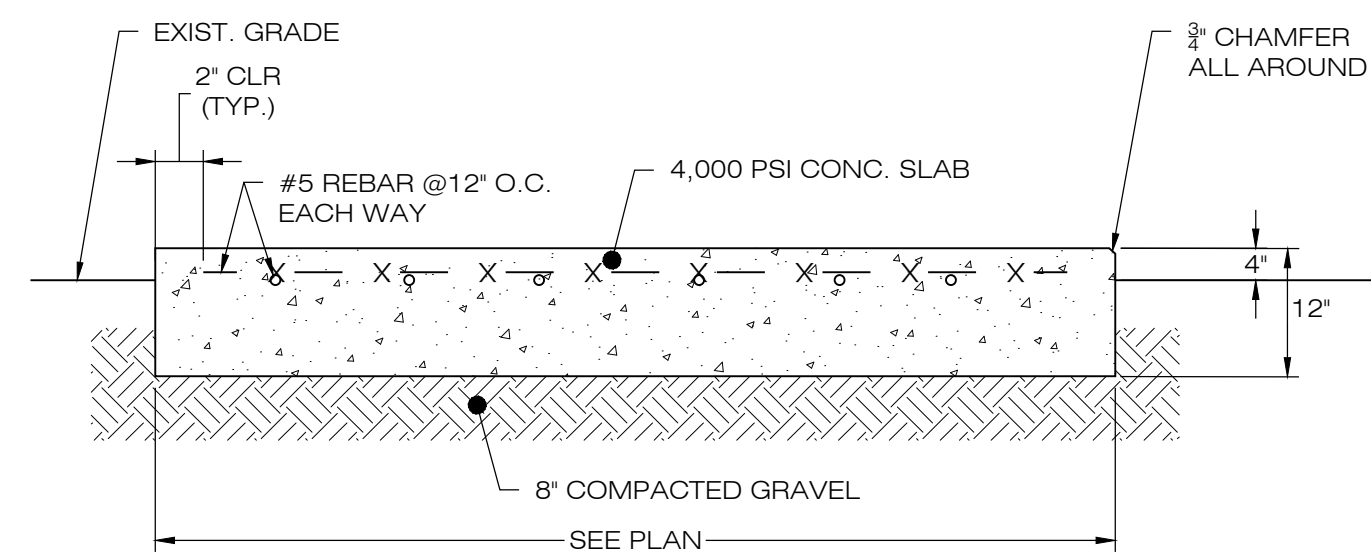
NOTES:  
 SEE MANUFACTURER'S DETAIL SHEETS FOR ADDITIONAL INFORMATION REGARDING RACKING SYSTEM REQUIREMENTS AND INSTALLATION PROCEDURES. RACKING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

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

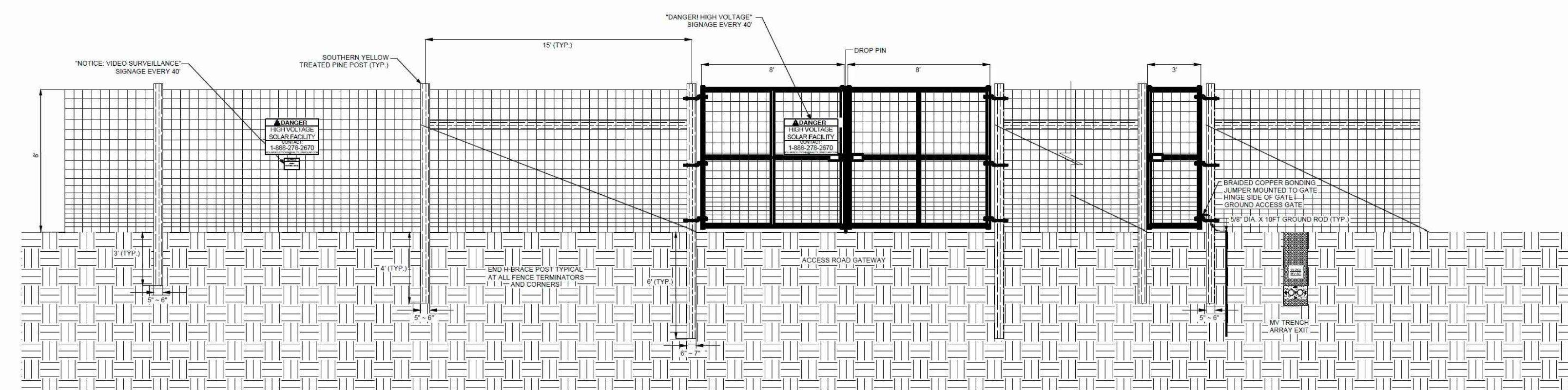


NOTES:  
 1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY.  
 2. SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE MATERIALS.

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

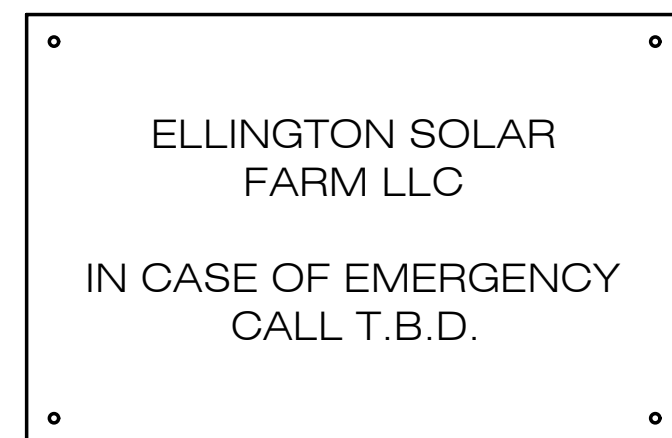


**4 CONCRETE EQUIPMENT PAD**  
 DN-1 SCALE : N.T.S.



**AGRICULTURAL FENCE DETAIL**  
 NO SCALE

**5 AGRICULTURAL FENCE & GATE DETAIL**  
 DN-1 SCALE : N.T.S.



NOTES:  
 EMERGENCY CALL NUMBER TO BE PROVIDED ONCE DETERMINED.

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

COMMUNITY POWER GROUP  
 5636 CONNECTICUT AVE #42729  
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**CSC PERMIT SET**

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**DESIGN PROFESSIONAL OF RECORD**

PROF: KEVIN A. MCCAFFERY, P.E.  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385

OWNER: PHRUMB PROPERTIES, LLC  
 ADDRESS: PO BOX 1213  
 SOUTH WINDSOR, CT 06074

**ELLINGTON SOLAR**

SITE ADDRESS: 24 MIDDLE ROAD  
 ELLINGTON, CT

APT FILING NUMBER: CT722100

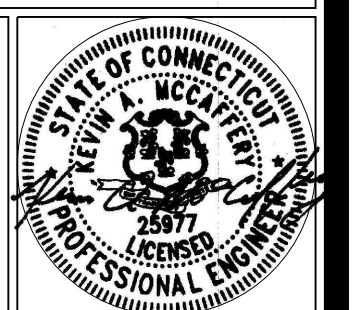
DRAWN BY: JT  
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**SHEET TITLE:**

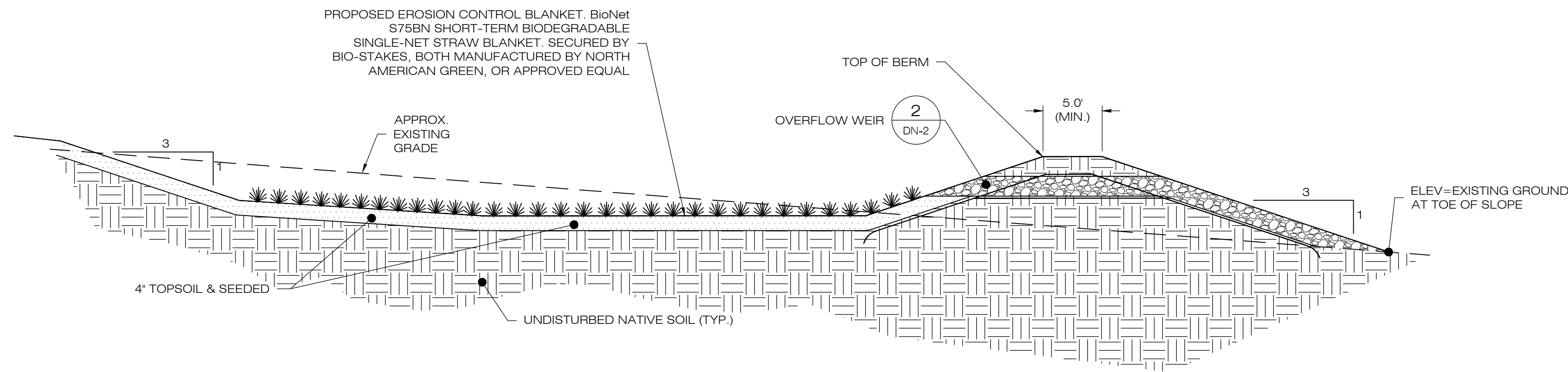
**SITE DETAILS**

SHEET NUMBER:

**DN-1**

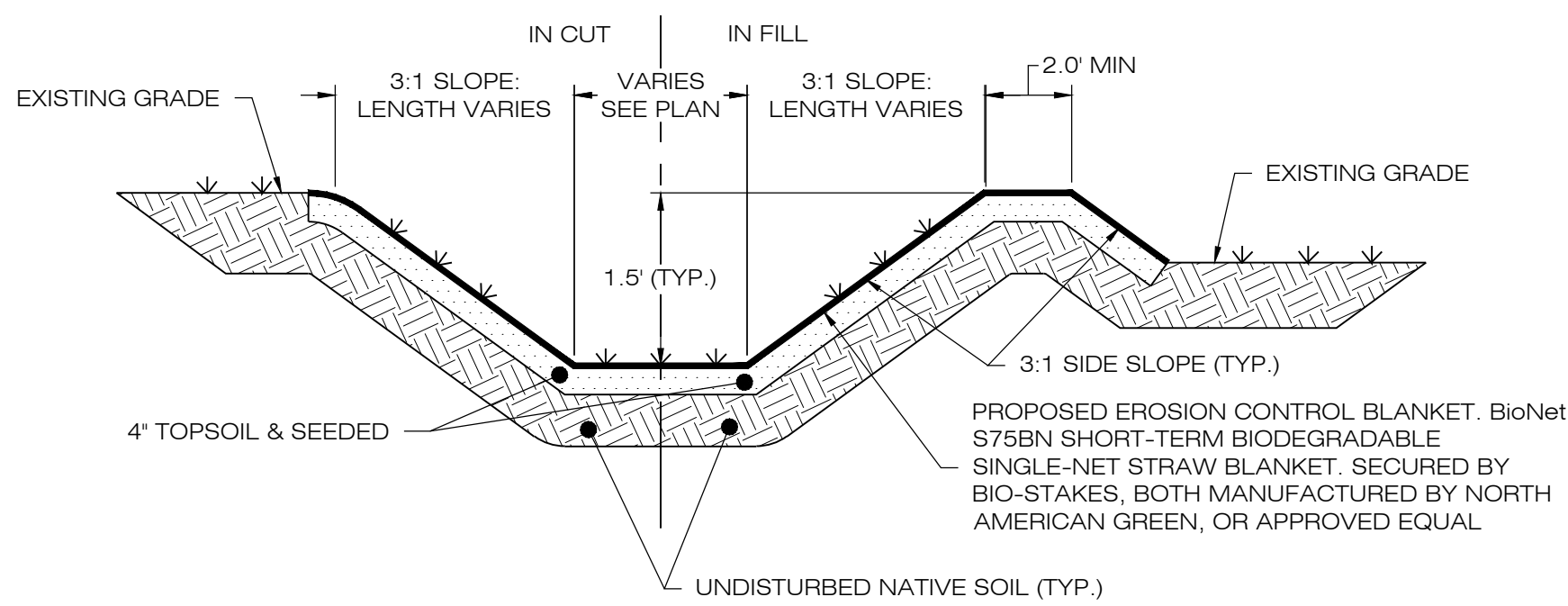






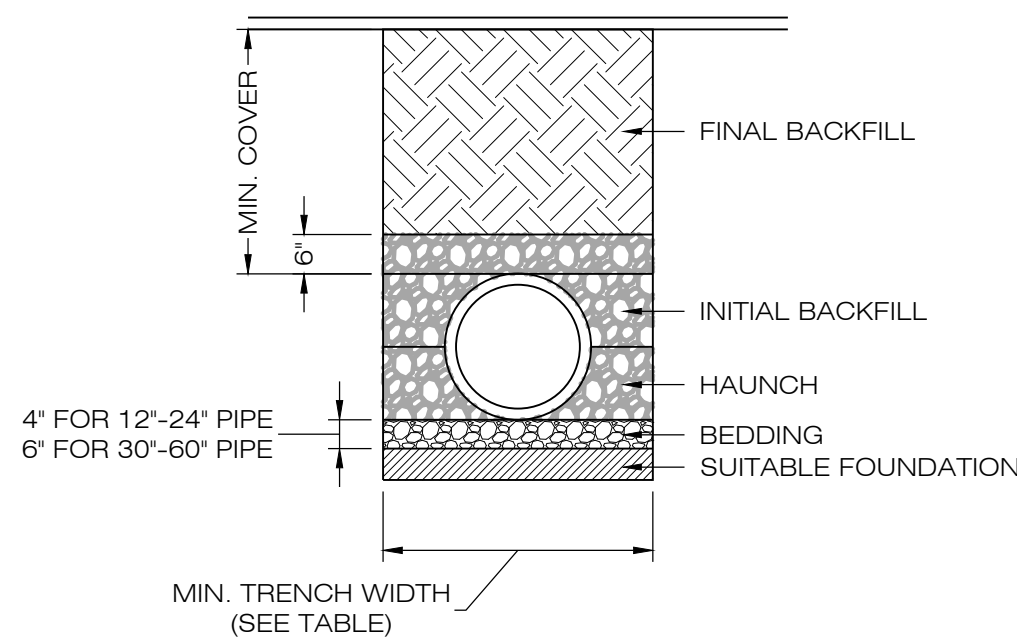
- NOTES:
- SEED MIX TO BE NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND NEW ENGLAND EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.
  - FOR CONVERTING TEMPORARY SEDIMENT BASIN TO INFILTRATION BASIN, REMOVE BAFFLES, CLEAN OUT SEDIMENT, RESHAPE AS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

**1 GRASS LINED INFILTRATION BASIN**  
 DN-2 / SCALE : N.T.S.



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

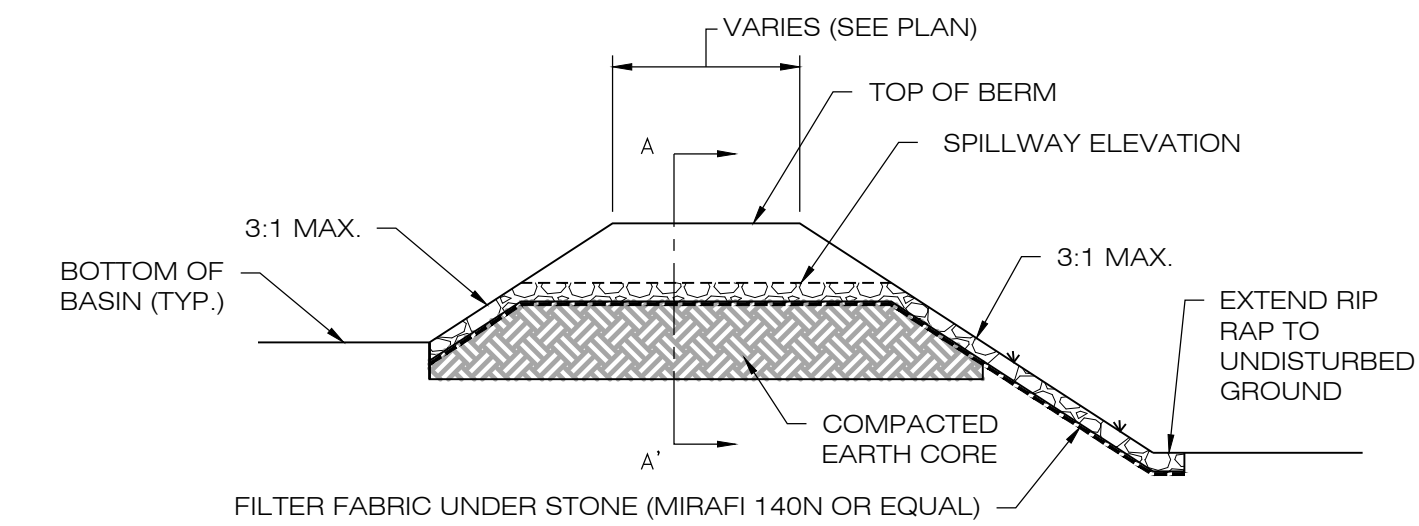
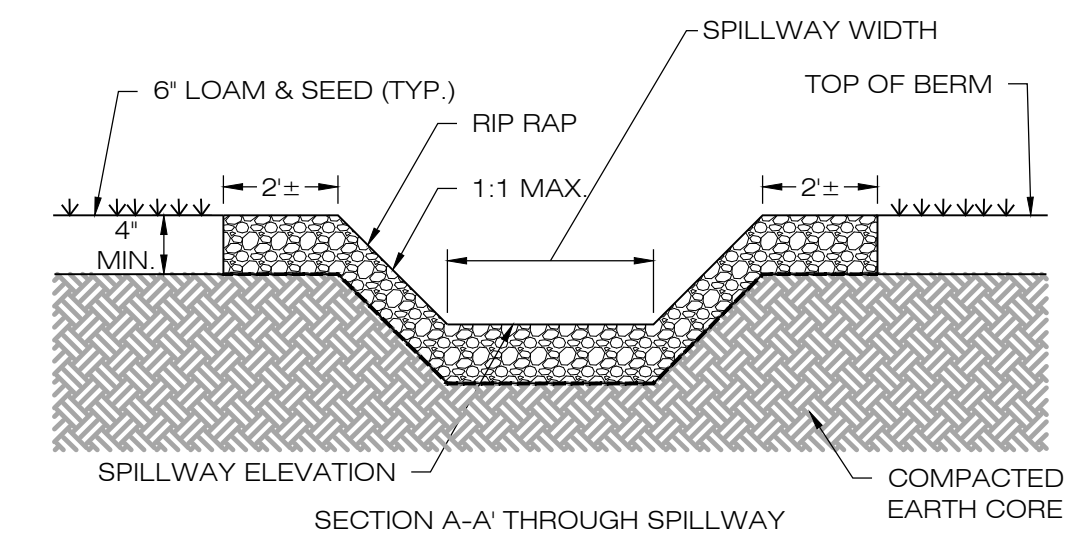
**3 GRASS LINED SWALE**  
 DN-2 / SCALE : N.T.S.



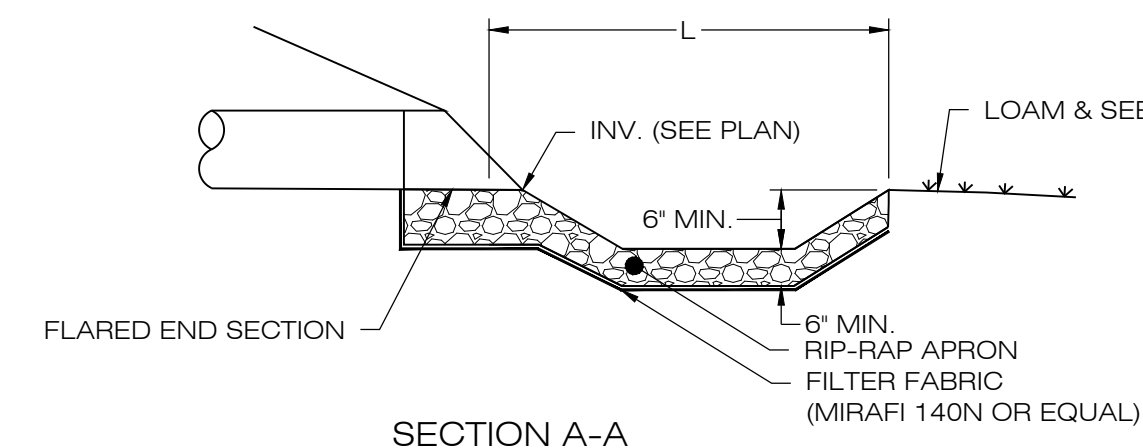
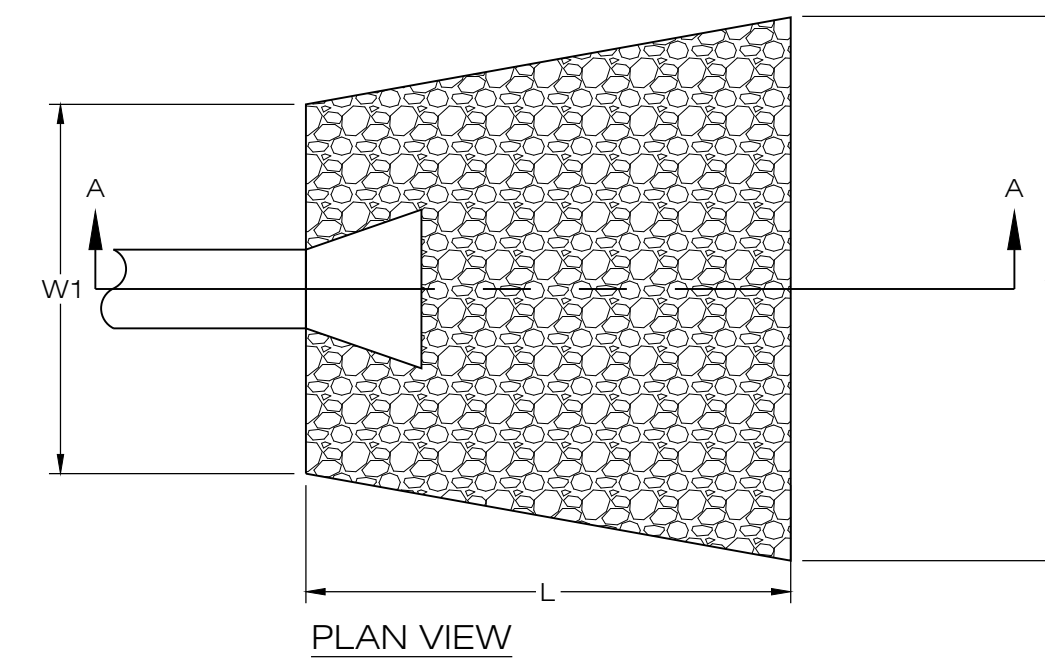
| PIPE DIA. | MIN. TRENCH WIDTH |
|-----------|-------------------|
| 6"        | 23"               |
| 8"        | 26"               |
| 10"       | 28"               |
| 12"       | 30"               |
| 15"       | 34"               |
| 18"       | 39"               |
| 24"       | 48"               |
| 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**  
 DN-2 / SCALE : N.T.S.



**2 OVERFLOW WEIR DETAIL**  
 DN-2 / SCALE : N.T.S.



**6 FLARED END SECTION**  
 DN-2 / SCALE : N.T.S.

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CSC PERMIT SET

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DESIGN PROFESSIONAL OF RECORD

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OWNER: PHRUMB PROPERTIES, LLC

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 SOUTH WINDSOR, CT 06074

ELLINGTON SOLAR

SITE: 24 MIDDLE ROAD  
 ADDRESS: ELLINGTON, CT

APT FILING NUMBER: CT722100

DRAWN BY: JT

DATE: 12/20/22 CHECKED BY: KAM

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

DN-2

