

# COMMUNITY POWER GROUP

## "ELLINGTON SOLAR"

24 MIDDLE ROAD  
ELLINGTON, CT

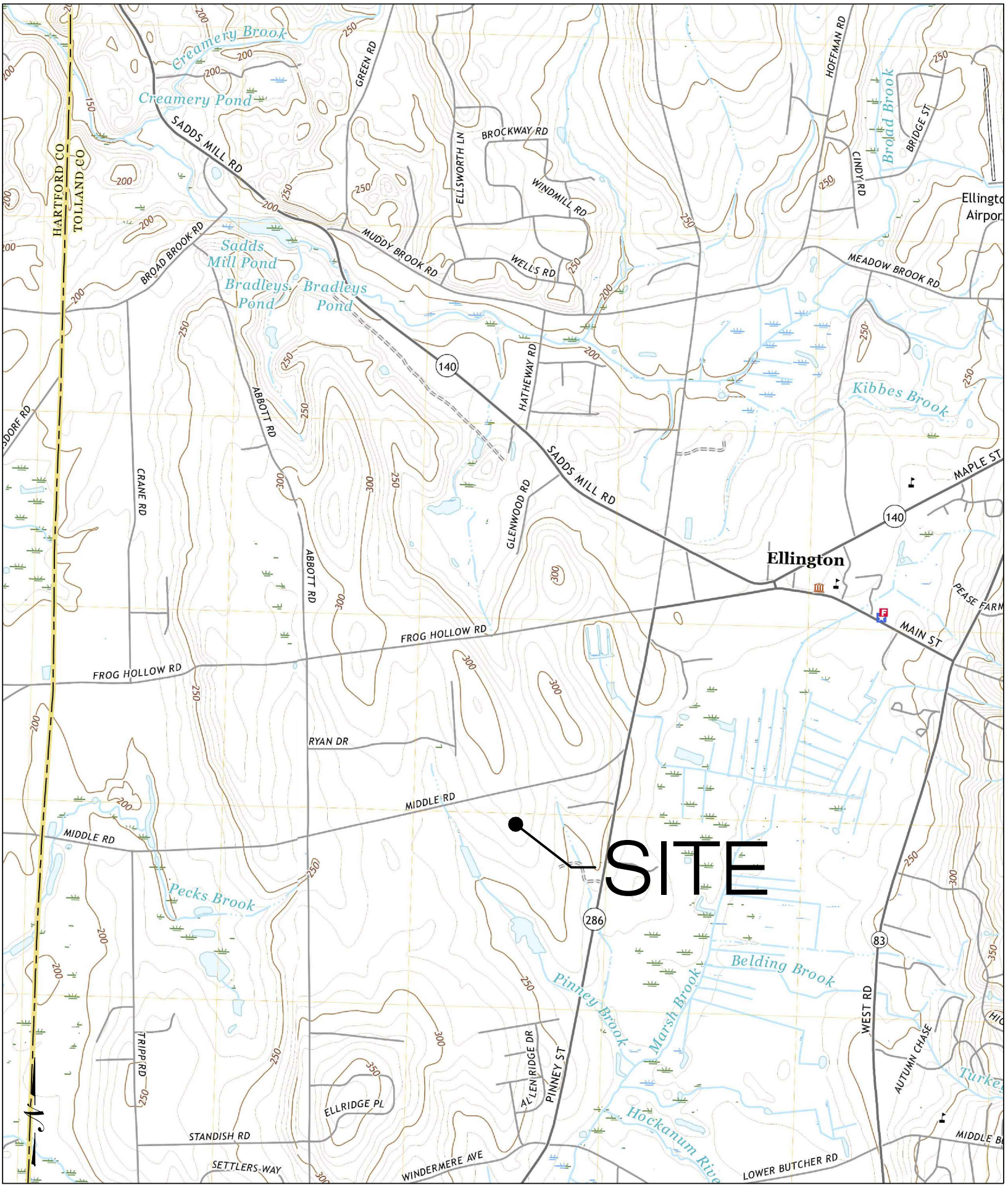
### LIST OF DRAWINGS

|        |  |
|--------|--|
| T-1    | TITLE SHEET & INDEX                                      |
| 1 OF 1 | BOUNDARY SURVEY PROVIDED BY NORTHEAST SURVEY CONSULTANTS |
| GN-1   | GENERAL NOTES  |
| GN-2   | ENVIRONMENTAL NOTES RESOURCE PROTECTION MEASURES         |
| OP-1   | OVERALL SITE PLAN  |
| EC-1   | SEDIMENTATION AND EROSION CONTROL NOTES                  |
| EC-2   | SEDIMENTATION AND EROSION CONTROL DETAILS                |
| EC-3   | PHASE 1 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-4   | PHASE 1 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-5   | PHASE 1 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-6   | PHASE 1 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-7   | PHASE 1 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-8   | PHASE 2 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-9   | PHASE 2 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-10  | PHASE 2 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| EC-11  | PHASE 2 - SEDIMENTATION AND EROSION CONTROL PLAN         |
| GD-1   | GRADING & DRAINAGE PLAN                                  |
| GD-2   | GRADING & DRAINAGE PLAN                                  |
| GD-3   | GRADING & DRAINAGE PLAN                                  |
| GD-4   | GRADING & DRAINAGE PLAN                                  |
| GD-5   | GRADING & DRAINAGE PLAN                                  |
| SP-1   | SITE & UTILITY PLAN                                      |
| SP-2   | SITE & UTILITY PLAN                                      |
| SP-3   | SITE & UTILITY PLAN                                      |
| SP-4   | SITE & UTILITY PLAN                                      |
| SP-5   | SITE & UTILITY PLAN                                      |
| DN-1   | SITE DETAILS   |
| DN-2   | SITE DETAILS   |
| DN-3   | CTDOT DETAILS  |

### SITE INFORMATION

|                         |  |
|-------------------------|--|
| SITE NAME:              | "ELLINGTON SOLAR"  |
| LOCATION:               | 24 MIDDLE ROAD<br>ELLINGTON, CT  |
| SITE TYPE/DESCRIPTION:  | ADD GROUND MOUNTED SOLAR PANEL ARRAY<br>W/ ASSOCIATED EQUIPMENT, GRAVEL ACCESS<br>ROAD AND STORMWATER MANAGEMENT.<br>ARRAY - 1,950 705W MODULES & 6,370 700W<br>MODULES, TOTAL 4.0 MW AC |
| PROPERTY OWNER:         | PHRUMB PROPERTIES, LLC<br>PO BOX 1213<br>SOUTH WINDSOR, CT 06074   |
| APPLICANT:              | COMMUNITY POWER GROUP<br>5636 CONNECTICUT AVE #42729<br>WASHINGTON, DC 20015   |
| ENGINEER CONTACT:       | THOMAS E. LITTLE, P.E.<br>(860) 552-2046   |
| LATITUDE:               | 41.892145°   |
| LONGITUDE:              | -72.480523°  |
| MBLU:                   | 053-047-0000   |
| ZONE:                   | RAR - RURAL AGRICULTURAL RESIDENTIAL   |
| TOTAL SITE ACREAGE:     | 60.55± AC.   |
| TOTAL DISTURBED AREA:   | 29.15± AC.   |
| TOTAL FENCED ACREAGE:   | 24.15± AC.   |
| APPROX. VOLUME OF CUT:  | 4,365± CY  |
| APPROX. VOLUME OF FILL: | 1,250± CY  |
| APPROX. NET VOLUME:     | 3,115± CY (CUT, TO BE SPREAD ON SITE)  |

### USGS TOPOGRAPHIC MAP



SCALE : 1" = 2000'

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)-863-1697  
WWW.ALLPOINTSTECH.COM    FAX: (860)-863-0935

| PERMIT SET |          |                           |
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| 0          | 12/20/22 | FOR REVIEW: KAM           |
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| 6          | 03/20/25 | REV. PER DOT: UKA         |
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| DESIGN PROFESSIONAL OF RECORD   |
|---|
| PROF: THOMAS E. LITTLE, P.E.<br>COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.<br>ADD: 567 VAUXHALL STREET<br>EXTENSION - SUITE 311<br>WATERFORD, CT 06385 |
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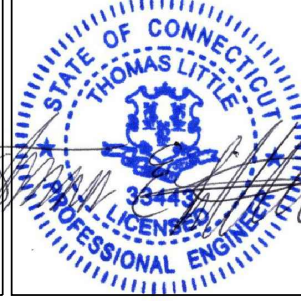
| ELLINGTON SOLAR    |                |
|--------------------|----------------|
| SITE               | 24 MIDDLE ROAD |
| ADDRESS:           | ELLINGTON, CT  |
| APT FILING NUMBER: | CT481690       |
| DATE:              | 12/20/22       |
| DRAWN BY:          | CSH            |
| CHECKED BY:        | TEL            |

SHEET TITLE:

TITLE SHEET & INDEX

SHEET NUMBER:

T-1









GENERAL NOTES

1. 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.
2. IF NO PROJECT CONSTRUCTION SPECIFICATION PACKAGE IS PROVIDED BY THE PROJECT DEVELOPER OR THEIR REPRESENTATIVE, THE CONTRACTOR SHALL COMPLY WITH THE MANUFACTURER, TOWN OF ELLINGTON, OR CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND BE IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
9. 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.
10. THE CONTRACTOR SHALL COMPLY WITH OSHA CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
11. 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.
12. 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.
13. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE PROJECT DEVELOPER AT THE END OF CONSTRUCTION.
14. 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.
15. 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 "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "811" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
16. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS AND PERMITS ARE GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
17. GENERAL CONSTRUCTION HOURS: MONDAY THROUGH SATURDAY - 7 AM TO 6 PM
18. LOCAL AND STATE BUILDING PERMIT REQUIREMENTS SHALL BE ADHERED TO.

SITE PLAN NOTES

1. THE SURVEY WAS PROVIDED BY NORTHEAST SURVEY CONSULTANTS DATED NOVEMBER 21, 2022.
2. THERE ARE WETLANDS AND WATERWAYS LOCATED ON THE SITE AS INDICATED ON THE PLANS. BOUNDARIES WERE FLAGGED BY MARTIN BROGIE IN OCTOBER, 2022 AND FIELD SURVEYED BY NORTHEAST SURVEY CONSULTANTS.
3. THERE WILL BE MINIMAL GRADING ON SITE IN THE AREAS OF THE MINOR CLEARING, TO ENSURE THAT PROPER DRAINAGE IS MAINTAINED.
4. 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.
5. 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 THE "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.
6. 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.
7. 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.
8. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
6. 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.
7. 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.
8. 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.
9. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
10. RELOCATION OF UTILITY PROVIDER FACILITIES, SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.
11. 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.
12. CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.
13. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.
14. 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 ENCASEMENT OF THE SANITARY PIPING.
15. 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.
16. 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 "CALL BEFORE YOU DIG" 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.
17. 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.
18. ELECTRIC DRAWINGS AND REQUIREMENTS ARE NOT INCLUDED AS PART OF THIS DRAWING SET AND SHOULD BE OBTAINED FROM THE PROJECT DEVELOPER.
19. 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.
20. 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           |          |          |
| OVERHEAD ELECTRIC              |          |          |
| GAS LINE                       |          |          |
| WATER LINE                     |          |          |
| BASIN                          |          |          |
| SWALE                          |          |          |
| FENCE                          |          |          |
| LIMIT OF DISTURBANCE           |          |          |
| LIMIT OF CLEARING AND GRUBBING |          |          |
| FILTER SOCK                    |          |          |
| SILT FENCE                     |          |          |
| BAFFLE                         |          |          |

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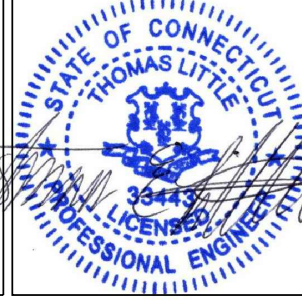
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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

GN-1





ENVIRONMENTAL NOTES RESOURCE PROTECTION MEASURES

WETLAND AND VERNAL POOL PROTECTION PROGRAM

AS A RESULT OF THE PROJECT'S LOCATION IN THE VICINITY OF SENSITIVE WETLAND RESOURCES THAT INCLUDE A VERNAL POOL, THE FOLLOWING PROTECTION PROGRAM SHALL BE IMPLEMENTED BY THE CONTRACTOR TO AVOID UNINTENTIONAL IMPACTS TO PROXIMATE WETLAND RESOURCES, VERNAL POOL, OR MORTALITY TO VERNAL POOL HERPETOFAUNA (I.E., WOOD FROG, SALAMANDERS, TURTLES, ETC.) DURING CONSTRUCTION ACTIVITIES.

IT IS OF THE UTMOST IMPORTANCE THAT THE CONTRACTOR COMPLIES WITH THE REQUIREMENT FOR THE INSTALLATION OF PROTECTIVE MEASURES AND THE EDUCATION OF ITS EMPLOYEES AND SUBCONTRACTORS PERFORMING WORK ON THE PROJECT SITE. THE WETLAND PROTECTION MEASURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES UNTIL PERMANENT STABILIZATION OF SITE SOILS HAS OCCURRED. VERNAL POOL PROTECTION MEASURES SHOULD ALSO BE IMPLEMENTED THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES WITH A PARTICULAR FOCUS DURING PEAK AMPHIBIAN MOVEMENT PERIODS (EARLY SPRING BREEDING [MARCH 1ST TO MAY 15TH] AND LATE SUMMER DISPERSAL [JULY 15TH TO SEPTEMBER 15TH]).

ALL-POINTS TECHNOLOGY CORPORATION, P.C. ("APT") WILL SERVE AS THE ENVIRONMENTAL MONITOR FOR THIS PROJECT TO ENSURE THAT THESE PROTECTION MEASURES ARE IMPLEMENTED PROPERLY AND WILL PROVIDE AN EDUCATION SESSION ON THE PROJECTS PROXIMITY TO SENSITIVE WETLAND AND VERNAL POOL RESOURCES PRIOR TO THE START OF CONSTRUCTION ACTIVITIES AND TYPICAL AMPHIBIANS AND REPTILES ASSOCIATED WITH THESE HABITATS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT DEAN GUSTAFSON, SENIOR WETLAND SCIENTIST AT APT, AT LEAST 5 BUSINESS DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. MR. GUSTAFSON CAN BE REACHED BY PHONE AT (860) 552-2033 OR VIA EMAIL AT DGUSTAFSON@ALLPOINTSTECH.COM.

THIS RESOURCES PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS INCLUDING: EDUCATION OF ALL CONTRACTORS AND SUB-CONTRACTORS PRIOR TO INITIATION OF WORK ON THE SITE; INSTALLATION OF EROSION CONTROLS; PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION; PROTECTIVE MEASURES; RARE SPECIES PROTECTION MEASURES; HERBICIDE, PESTICIDE, AND SALT RESTRICTIONS; AND, REPORTING.

1. CONTRACTOR EDUCATION:

- a. PRIOR TO WORK ON SITE AND INITIAL DEPLOYMENT/MOBILIZATION OF EQUIPMENT AND MATERIALS, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF INFORMATION SUCH AS, BUT NOT LIMITED TO: IDENTIFICATION OF WETLAND AND VERNAL POOL RESOURCES PROXIMATE TO WORK AREAS, REPRESENTATIVE PHOTOGRAPHS OF TYPICAL HERPETOFAUNA THAT MAY BE ENCOUNTERED, TYPICAL SPECIES BEHAVIOR, AND PROPER PROCEDURES IF SPECIES ARE ENCOUNTERED, AND THE ENVIRONMENTALLY SENSITIVE NATURE OF THE DEVELOPMENT SITE.
- b. THE MEETING WILL FURTHER EMPHASIZE THE NON-AGGRESSIVE NATURE OF THE RARE SPECIES, THE ABSENCE OF NEED TO DESTROY SUCH ANIMALS AND THE NEED TO FOLLOW PROTECTIVE MEASURES AS DESCRIBED IN FOLLOWING SECTIONS. THE CONTRACTOR WILL DESIGNATE ONE OF ITS WORKERS AS THE "PROJECT MONITOR", WHO WILL RECEIVE MORE INTENSE TRAINING ON THE IDENTIFICATION AND PROTECTION OF HERPETOFAUNA.
- c. THE CONTRACTOR WILL DESIGNATE A MEMBER OF ITS CREW AS THE PROJECT MONITOR TO BE RESPONSIBLE FOR THE PERIODIC "SWEEPS" FOR HERPETOFAUNA (AND OTHER POSSIBLE WILDLIFE) WITHIN THE CONSTRUCTION ZONE EACH MORNING AND FOR ANY GROUND DISTURBANCE WORK. THIS INDIVIDUAL WILL RECEIVE MORE INTENSE TRAINING FROM APT ON THE IDENTIFICATION AND PROTECTION OF HERPETOFAUNA IN ORDER TO PERFORM SWEEPS. ANY HERPETOFAUNA (OR OTHER WILDLIFE) DISCOVERED WOULD BE TRANSLOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED.
- d. THE CONTRACTOR'S PROJECT MONITOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR APT PERSONNEL TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH HERPETOFAUNA. EDUCATIONAL POSTER MATERIALS WILL BE PROVIDED BY APT AND DISPLAYED ON THE JOB SITE TO MAINTAIN WORKER AWARENESS AS THE PROJECT PROGRESSES.
- e. APT WILL ALSO POST CAUTION SIGNS THROUGHOUT THE PROJECT SITE FOR THE DURATION OF THE CONSTRUCTION PROJECT PROVIDING NOTICE OF THE ENVIRONMENTALLY SENSITIVE NATURE OF THE WORK AREA, THE POTENTIAL FOR ENCOUNTERING VARIOUS AMPHIBIANS AND REPTILES AND PRECAUTIONS TO BE TAKEN TO AVOID INJURY TO OR MORTALITY OF THESE ANIMALS.

2. EROSION AND SEDIMENTATION CONTROLS/ISOLATION BARRIERS

- a. PLASTIC NETTING USED IN A VARIETY OF EROSION CONTROL PRODUCTS (I.E., EROSION CONTROL BLANKETS, FIBER ROLLS [WATTLES], REINFORCED SILT FENCE) HAS BEEN FOUND TO ENTANGLE WILDLIFE, INCLUDING REPTILES, AMPHIBIANS, BIRDS AND SMALL MAMMALS. NO PERMANENT EROSION CONTROL PRODUCTS OR REINFORCED SILT FENCE WILL BE USED ON THE PROJECT. TEMPORARY EROSION CONTROL PRODUCTS THAT WILL BE EXPOSED AT THE GROUND SURFACE AND REPRESENT A POTENTIAL FOR WILDLIFE ENTANGLEMENT WILL USE EITHER EROSION CONTROL BLANKETS AND FIBER ROLLS COMPOSED OF PROCESSED FIBERS MECHANICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX (NETLESS) OR NETTING COMPOSED OF PLANAR WOVEN NATURAL BIODEGRADABLE FIBER TO AVOID/MINIMIZE WILDLIFE ENTANGLEMENT.
- b. THE EXTENT OF THE EROSION CONTROLS WILL BE AS SHOWN ON THE SITE PLANS. THE CONTRACTOR SHALL HAVE ADDITIONAL SEDIMENTATION AND EROSION CONTROLS STOCKPILED ON SITE SHOULD FIELD OR CONSTRUCTION CONDITIONS WARRANT EXTENDING DEVICES. IN ADDITION TO THE CONTRACTOR MAKING THESE DETERMINATIONS, REQUESTS FOR ADDITIONAL CONTROLS WILL ALSO BE AT THE DISCRETION OF THE ENVIRONMENTAL MONITOR.
- c. INSTALLATION OF EROSION AND SEDIMENTATION CONTROLS, REQUIRED FOR EROSION CONTROL COMPLIANCE AND CREATION OF A BARRIER TO POSSIBLE MIGRATING/DISPERSING WILDLIFE, SHALL BE PERFORMED BY THE CONTRACTOR IF ANY SOIL DISTURBANCE OCCURS OR HEAVY MACHINERY IS ANTICIPATED TO BE USED ON SLOPES. THE ENVIRONMENTAL MONITOR WILL INSPECT THE WORK ZONE AREA PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION. IN ADDITION, WORK ZONES WILL BE INSPECTED PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION TO ENSURE THE AREA IS FREE OF HERPETOFAUNA AND OTHER WILDLIFE AND SATISFACTORILY INSTALLED. THE INTENT OF THE BARRIER IS TO SEGREGATE THE MAJORITY OF THE WORK ZONE FROM POSSIBLE HERPETOFAUNA AND OTHER WILDLIFE SPECIES, IN ADDITION TO SERVING AS AN EROSION CONTROL DEVICE. OFTENTIMES COMPLETE ISOLATION OF A WORK ZONE IS NOT FEASIBLE DUE TO ACCESSIBILITY NEEDS AND LOCATIONS OF STAGING/MATERIAL STORAGE AREAS, ETC. IN THOSE CIRCUMSTANCES, THE BARRIERS WILL BE POSITIONED TO DEFLECT MIGRATING/DISPERSAL ROUTES AWAY FROM THE WORK ZONE TO MINIMIZE POTENTIAL ENCOUNTERS WITH HERPETOFAUNA/WILDLIFE AT THE DISCRETION OF THE ENVIRONMENTAL MONITOR.
- d. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS OF THE SEDIMENTATION AND EROSION CONTROLS FOR TEARS OR BREECHEES AND ACCUMULATION LEVELS OF SEDIMENT, PARTICULARLY FOLLOWING STORM EVENTS THAT GENERATE A DISCHARGE, AS DEFINED BY APT IN ACCORDANCE WITH APPLICABLE LOCAL,

STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE APT ENVIRONMENTAL MONITOR WITHIN 24 HOURS OF ANY BREECHEES OF THE SEDIMENTATION AND EROSION CONTROLS AND ANY SEDIMENT RELEASES BEYOND THE PERIMETER CONTROLS THAT IMPACT WETLANDS, THE VERNAL POOL, OR AREAS WITHIN 100 FEET OF WETLANDS. THE APT ENVIRONMENTAL MONITOR WILL PROVIDE PERIODIC INSPECTIONS OF THE SEDIMENTATION AND EROSION CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES ONLY AS IT PERTAINS TO THEIR FUNCTION TO PROTECT NEARBY WETLANDS. SUCH INSPECTIONS WILL GENERALLY OCCUR ONCE PER MONTH. THE FREQUENCY OF MONITORING MAY INCREASE DEPENDING UPON SITE CONDITIONS, LEVEL OF CONSTRUCTION ACTIVITIES IN PROXIMITY TO SENSITIVE RECEPTORS, OR AT THE REQUEST OF REGULATORY AGENCIES. IF THE ENVIRONMENTAL MONITOR IS NOTIFIED BY THE CONTRACTOR OF A SEDIMENT RELEASE, AN INSPECTION WILL BE SCHEDULED SPECIFICALLY TO INVESTIGATE AND EVALUATE POSSIBLE IMPACTS TO WETLAND RESOURCES.

e. THIRD PARTY MONITORING OF SEDIMENTATION AND EROSION CONTROLS WILL BE PERFORMED BY OTHER PARTIES, AS NECESSARY, UNDER APPLICABLE LOCAL, STATE AND/OR FEDERAL REGULATIONS AND PERMIT CONDITIONS.

f. NO EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS SHALL BE STORED WITHIN 100 FEET OF WETLAND OR VERNAL POOL RESOURCES.

g. ALL SILT FENCING AND OTHER EROSION CONTROL DEVICES SHALL BE REMOVED WITHIN 30 DAYS OF COMPLETION OF WORK AND PERMANENT STABILIZATION OF SITE SOILS. IF FIBER ROLLS/WATTLES, STRAW BALES, OR OTHER NATURAL MATERIAL EROSION CONTROL PRODUCTS ARE USED, SUCH DEVICES WILL NOT BE LEFT IN PLACE TO BIODEGRADE AND SHALL BE PROMPTLY REMOVED AFTER SOILS ARE STABLE SO AS NOT TO CREATE A BARRIER TO WILDLIFE MOVEMENT. SEED FROM SEEDING OF SOILS SHOULD NOT SPREAD OVER FIBER ROLLS/WATTLES AS IT MAKES THEM HARDER TO REMOVE ONCE SOILS ARE STABILIZED BY VEGETATION.

3. PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION

a. CERTAIN PRECAUTIONS ARE NECESSARY TO STORE PETROLEUM MATERIALS, REFUEL AND CONTAIN AND PROPERLY CLEAN UP ANY INADVERTENT FUEL OR PETROLEUM (I.E., OIL, HYDRAULIC FLUID, ETC.) SPILL DUE TO THE PROJECT'S LOCATION IN PROXIMITY TO WETLAND AND VERNAL POOL RESOURCES.

b. A SPILL CONTAINMENT KIT CONSISTING OF A SUFFICIENT SUPPLY OF ABSORBENT PADS AND ABSORBENT MATERIAL WILL BE MAINTAINED BY THE CONTRACTOR AT THE CONSTRUCTION SITE THROUGHOUT THE DURATION OF THE PROJECT. IN ADDITION, A WASTE DRUM WILL BE KEPT ON SITE TO CONTAIN ANY USED ABSORBENT PADS/MATERIAL FOR PROPER AND TIMELY DISPOSAL OFF SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS.

c. SERVICING OF MACHINERY SHALL NOT OCCUR WITHIN 100 FEET OF WETLANDS.

d. AT A MINIMUM, THE FOLLOWING PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING RESTRICTIONS AND SPILL RESPONSE PROCEDURES WILL BE ADHERED TO BY THE CONTRACTOR.

i. PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING

1. REFUELING OF VEHICLES OR MACHINERY SHALL OCCUR A MINIMUM OF 100 FEET FROM WETLANDS AND SHALL TAKE PLACE ON AN IMPERVIOUS PAD WITH SECONDARY CONTAINMENT DESIGNED TO CONTAIN FUELS.

2. ANY FUEL OR HAZARDOUS MATERIALS THAT MUST BE KEPT ON SITE SHALL BE STORED ON AN IMPERVIOUS SURFACE UTILIZING SECONDARY CONTAINMENT A MINIMUM OF 100 FEET FROM WETLANDS.

ii. INITIAL SPILL RESPONSE PROCEDURES

- 1. STOP OPERATIONS AND SHUT OFF EQUIPMENT.
- 2. REMOVE ANY SOURCES OF SPARK OR FLAME.
- 3. CONTAIN THE SOURCE OF THE SPILL.
  - 4. DETERMINE THE APPROXIMATE VOLUME OF THE SPILL.
  - 5. IDENTIFY THE LOCATION OF NATURAL FLOW PATHS TO PREVENT THE RELEASE OF THE SPILL TO SENSITIVE NEARBY WETLANDS AND VERNAL POOL.
  - 6. ENSURE THAT FELLOW WORKERS ARE NOTIFIED OF THE SPILL.

iii. SPILL CLEAN UP & CONTAINMENT

- 1. OBTAIN SPILL RESPONSE MATERIALS FROM THE ON-SITE SPILL RESPONSE KIT. PLACE ABSORBENT MATERIALS DIRECTLY ON THE RELEASE AREA.
- 2. LIMIT THE SPREAD OF THE SPILL BY PLACING ABSORBENT MATERIALS AROUND THE PERIMETER OF THE SPILL.
- 3. ISOLATE AND ELIMINATE THE SPILL SOURCE.
- 4. CONTACT APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.

5. CONTACT A DISPOSAL COMPANY TO PROPERLY DISPOSE OF CONTAMINATED MATERIALS.

SPILL RESPONSE CONTRACTOR:  
TRI-S ENVIRONMENTAL SERVICES  
25 PINNEY STREET  
ELLINGTON, CT 06029  
TEL: (860) 875-2110  
FAX: (860) 875 8587

iv. REPORTING

- 1. COMPLETE AN INCIDENT REPORT.
- 2. SUBMIT A COMPLETED INCIDENT REPORT TO LOCAL, STATE AND FEDERAL AGENCIES, AS NECESSARY, INCLUDING THE CONNECTICUT SITING COUNCIL.

4. WETLAND AND VERNAL POOL PROTECTIVE MEASURES

a. A THOROUGH COVER SEARCH OF THE CONSTRUCTION AREA WILL BE PERFORMED BY APT'S ENVIRONMENTAL MONITOR PRIOR TO AND FOLLOWING INSTALLATION OF THE SILT FENCING BARRIER TO REMOVE ANY WILDLIFE FROM THE WORK ZONE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. ANY WILDLIFE DISCOVERED WOULD BE TRANSLOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED. PERIODIC INSPECTIONS WILL BE PERFORMED BY APT'S ENVIRONMENTAL MONITOR THROUGHOUT THE DURATION OF THE CONSTRUCTION, GENERALLY ON A MONTHLY BASIS.

b. ANY STORMWATER MANAGEMENT FEATURES, RUTS OR ARTIFICIAL DEPRESSIONS THAT COULD HOLD WATER CREATED INTENTIONALLY OR UNINTENTIONALLY BY SITE CLEARING/CONSTRUCTION ACTIVITIES WILL BE PROPERLY FILLED IN AND PERMANENTLY STABILIZED WITH VEGETATION TO AVOID THE CREATION OF "DECOY POOLS" THAT COULD INTERCEPT AMPHIBIANS POTENTIALLY MOVING THROUGH THE PROJECT AREA. STORMWATER MANAGEMENT FEATURES SUCH AS LEVEL SPREADERS WILL BE CAREFULLY REVIEWED IN THE FIELD TO ENSURE THAT STANDING WATER DOES NOT ENDURE FOR MORE THAN A 24-HOUR PERIOD TO AVOID CREATION OF DECOY POOLS AND MAY BE SUBJECT TO FIELD DESIGN CHANGES. ANY SUCH PROPOSED DESIGN CHANGES WILL BE REVIEWED BY THE DESIGN ENGINEER TO ENSURE STORMWATER MANAGEMENT FUNCTIONS ARE MAINTAINED.

c. EROSION CONTROL MEASURES WILL BE REMOVED NO LATER THAN 30 DAYS FOLLOWING

FINAL SITE STABILIZATION SO AS NOT TO IMPEDE WILDLIFE MOVEMENTS.

5. HERBICIDE, PESTICIDE, AND SALT RESTRICTIONS

a. THE USE OF HERBICIDES AND PESTICIDES AT THE FACILITY SHALL BE MINIMIZED. IF HERBICIDES AND/OR PESTICIDES ARE REQUIRED AT THE FACILITY, THEIR USE WILL BE USED IN ACCORDANCE WITH CURRENT INTEGRATED PEST MANAGEMENT ("IPM") PRINCIPLES WITH PARTICULAR ATTENTION TO AVOID/MINIMIZE APPLICATIONS WITHIN 100 FEET OF WETLAND AND VERNAL POOL RESOURCES.

b. MAINTENANCE OF THE FACILITY DURING THE WINTER MONTHS SHALL NOT INCLUDE THE APPLICATION OF SALT OR SIMILAR PRODUCTS FOR MELTING SNOW OR ICE.

6. REPORTING

a. COMPLIANCE MONITORING REPORTS (BRIEF NARRATIVE AND APPLICABLE PHOTOS) DOCUMENTING EACH APT INSPECTION WILL BE SUBMITTED BY APT TO THE PERMITTEE AND ITS CONTRACTOR FOR COMPLIANCE VERIFICATION OF THESE PROTECTION MEASURES. THESE REPORTS ARE NOT TO BE USED TO DOCUMENT COMPLIANCE WITH ANY OTHER PERMIT AGENCY APPROVAL CONDITIONS (I.E., DEEP STORMWATER PERMIT MONITORING, ETC.). ANY NON-COMPLIANCE OBSERVATIONS OF EROSION CONTROL MEASURES OR EVIDENCE OF EROSION OR SEDIMENT RELEASE WILL BE IMMEDIATELY REPORTED TO THE PERMITTEE AND ITS CONTRACTOR AND INCLUDED IN THE REPORTS ALONG WITH ANY OBSERVATIONS OF VERNAL POOL HERPETOFAUNA.

b. FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A FINAL COMPLIANCE MONITORING REPORT TO THE PERMITTEE DOCUMENTING IMPLEMENTATION OF THE WETLAND AND VERNAL POOL PROTECTION PROGRAM AND MONITORING OBSERVATIONS. THE PERMITTEE IS RESPONSIBLE FOR PROVIDING A COPY OF THE FINAL COMPLIANCE MONITORING REPORT TO THE CONNECTICUT SITING COUNCIL FOR COMPLIANCE VERIFICATION.

c. ANY OBSERVATIONS OF RARE SPECIES WILL BE REPORTED TO CTDEEP BY APT, WITH PHOTO-DOCUMENTATION (IF POSSIBLE) AND WITH SPECIFIC INFORMATION ON THE LOCATION AND DISPOSITION OF THE ANIMAL.

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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTS TECH.COM FAX: (860)-863-0935

PERMIT SET

| NO | DATE     | REVISION                  |
|----|----------|---------------------------|
| 0  | 12/20/22 | FOR REVIEW: KAM           |
| 1  | 05/03/23 | REV. POLE LAYOUT: RCB     |
| 2  | 11/14/24 | REV. ARRAY & POLES: UKA   |
| 3  | 01/09/25 | REV. EQUIP. & POLES: UKA  |
| 4  | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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

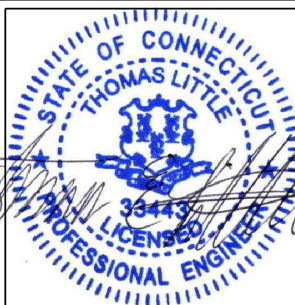
APT FILING NUMBER: CT481690

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| DATE: 12/20/22 | CHECKED BY: TEL |

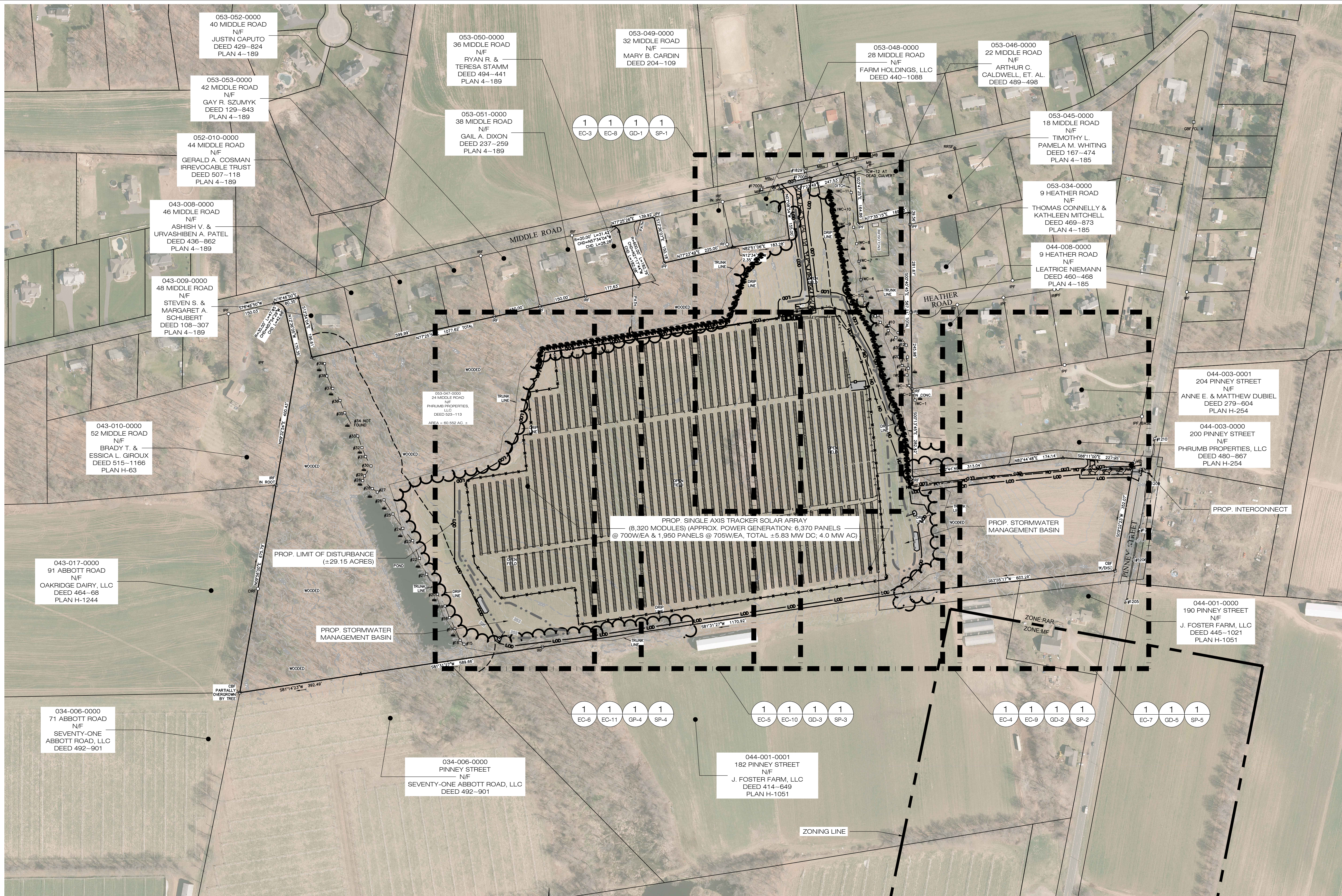
SHEET TITLE:  
ENVIRONMENTAL NOTES  
RESOURCE PROTECTION  
MEASURES

SHEET NUMBER:

GN-2







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SHEET TITLE:

OVERALL LOCUS MAP

SHEET NUMBER:

OP-1





EROSION CONTROL NOTES

EROSION AND SEDIMENT CONTROL PLAN NOTES

1.

THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2024 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.
2.

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.
3.

A BOND OR LETTER OF CREDIT MAY BE REQUIRED TO BE POSTED WITH THE GOVERNING AUTHORITY FOR THE EROSION CONTROL INSTALLATION AND MAINTENANCE.
4.

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.
5.

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.
6.

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.
7.

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.
8.

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.
9.

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.
10.

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.
11.

NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL CONTROL BLANKETS. ALL SLOPES SHALL BE SEEDED AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
12.

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.
13.

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.
14.

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 HYDROSEEDED WITH TACKIFIER.
15.

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.
16.

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.
17.

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.
18.

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.
19.

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

1.

THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING THE CLEARING, GRUBBING AND GRADING OF APPROXIMATELY 29.4± ACRES OF EXISTING LOT.
- THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

A.

CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.

B.

CONSTRUCTION OF 8,320 GROUND MOUNTED TRACKER SOLAR PANELS AND ASSOCIATED EQUIPMENT.

B.

THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
2.

FOR THIS PROJECT, THERE ARE APPROXIMATELY 29.4± ACRE OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE, AS ALL ACCESS THOUGH THE SITE WILL BE GRAVEL. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT.
3.

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 O) AND 66 (HYDROLOGIC SOIL GROUP B).
4.

IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4-6 MONTHS.
5.

REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.
6.

STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2024 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.
7.

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.
8.

CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:

A.

STAGED CONSTRUCTION;

B.

MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;

C.

STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;

D.

MINIMIZE IMPERVIOUS AREAS;

E.

UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
9.

THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:

A.

STORMWATER MANAGEMENT REPORT DATED DECEMBER 2024.

B.

SWPCP DATED DECEMBER 2024.

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.

1.

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.
2.

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.
3.

NOTIFY CALL BEFORE YOU DIG AT 811, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.

PHASE 1

4.

REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL CLEARING AND GRUBBING TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCE.
5.

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.
6.

INSTALL PERIMETER EROSION CONTROL.
7.

INSTALL B-2 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.
8.

INSTALL B-1 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

9.

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.
10.

TEMPORARILY SEED DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.
11.

INSTALL RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS.
12.

INSTALL GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION, INCLUDING EQUIPMENT PADS AND TRENCHING/CONDUIT.
13.

AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK AND STABILIZE ALL DISTURBED AREAS.
14.

FINE GRADE, RAKE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.
15.

AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE AND SWPCP INSPECTOR, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.

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| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

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|                | DRAWN BY: CSH   |
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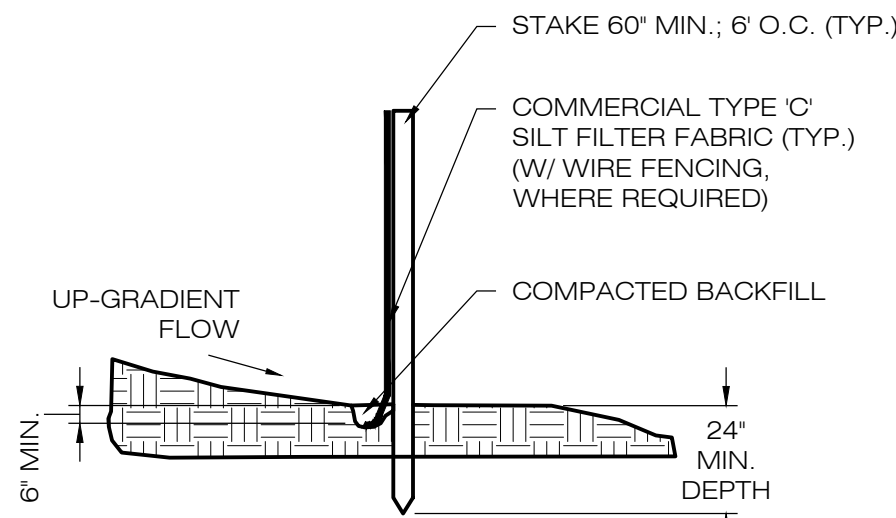
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SEDIMENTATION &  
EROSION CONTROL  
NOTES

SHEET NUMBER:

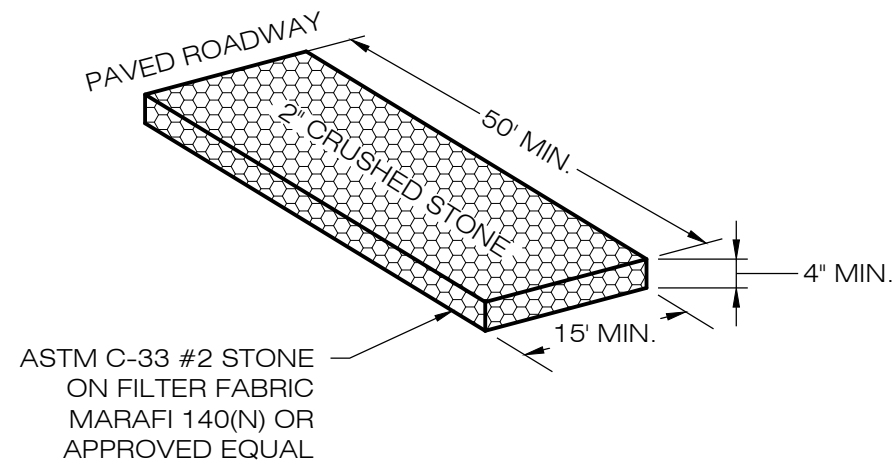
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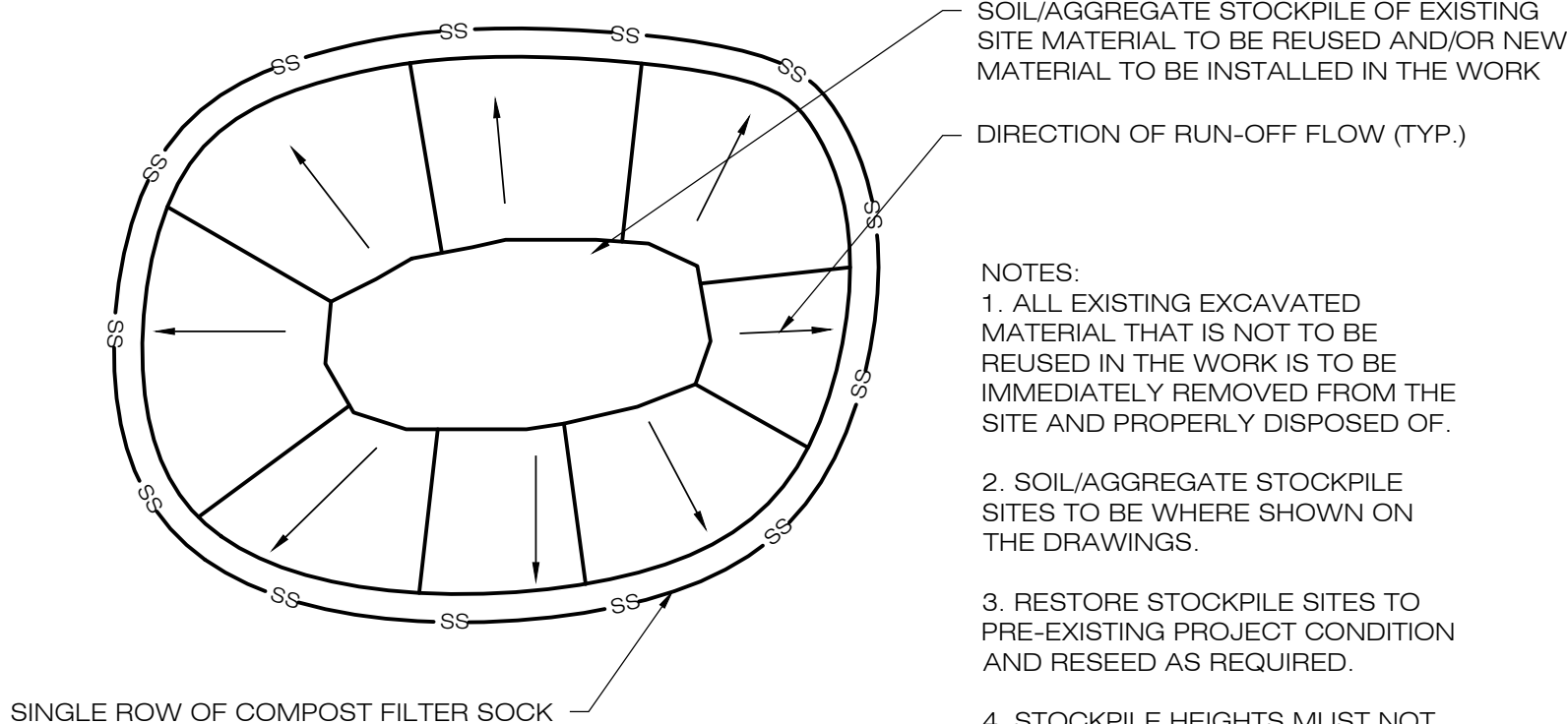


NOTE:  
SILT FENCE SHALL BE LAPPED ONLY  
WHEN NECESSARY PER THE  
MANUFACTURER RECOMMENDATIONS.

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



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



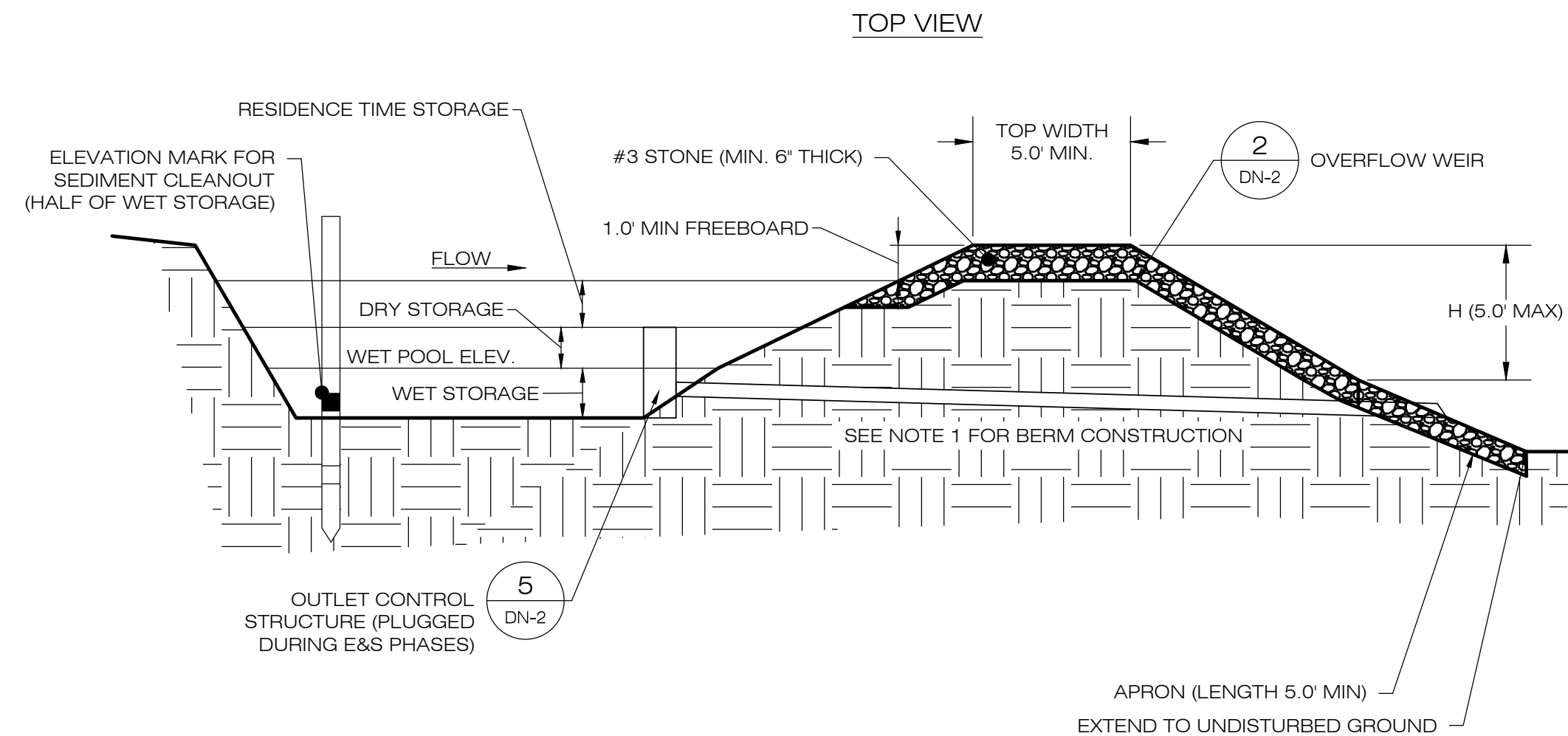
NOTES:  
1. ALL EXISTING EXCAVATED  
MATERIAL THAT IS NOT TO BE  
REUSED IN THE WORK IS TO BE  
IMMEDIATELY REMOVED FROM THE  
SITE AND PROPERLY DISPOSED OF.

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.

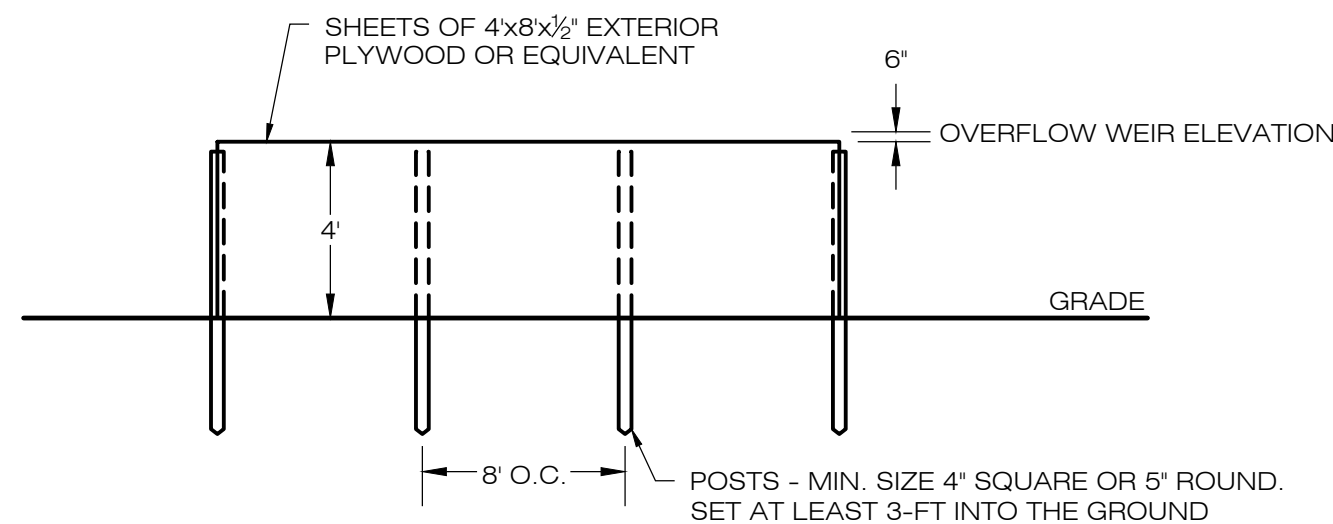
4. STOCKPILE HEIGHTS MUST NOT  
EXCEED 35'. STOCKPILE SLOPES  
MUST BE 2:1 OR FLATTER.

3  
EC-2  
**MATERIALS STOCKPILE DETAIL**  
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.  
4. ALL ORIFICES TO REMAIN PLUGGED UNTIL AFTER INFILTRATION BASIN CONVERSION.

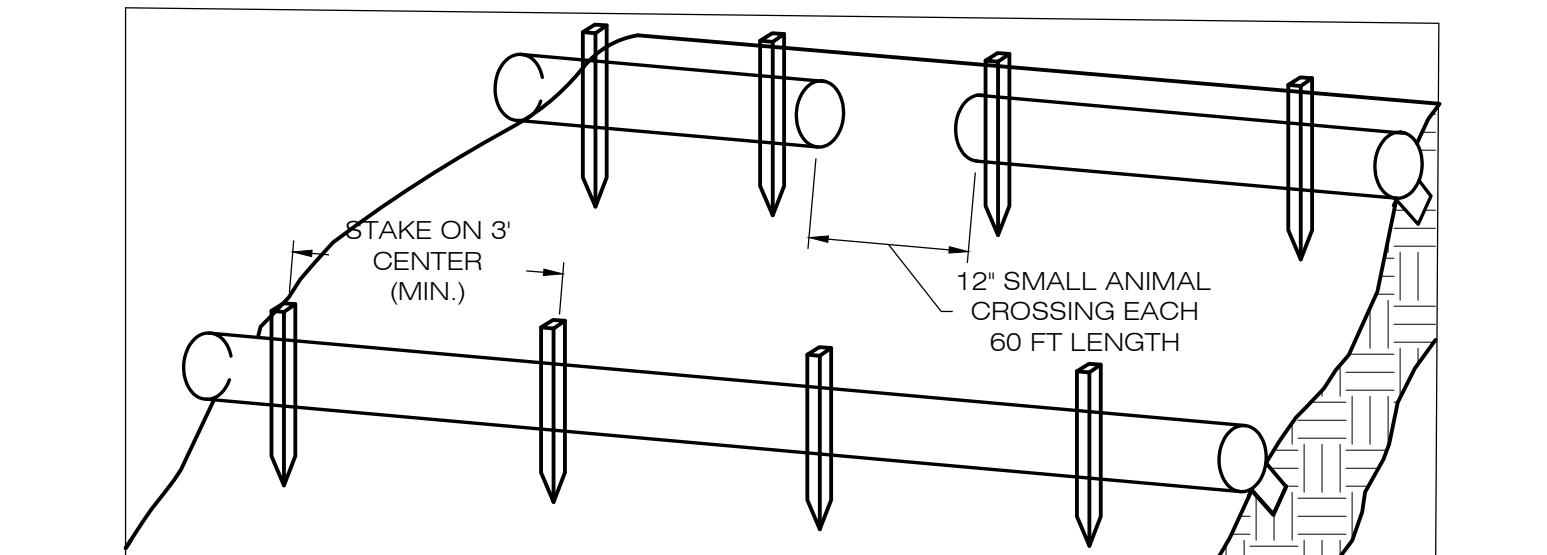
5  
EC-2  
**TEMPORARY SEDIMENT BASIN**  
SCALE : N.T.S.



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

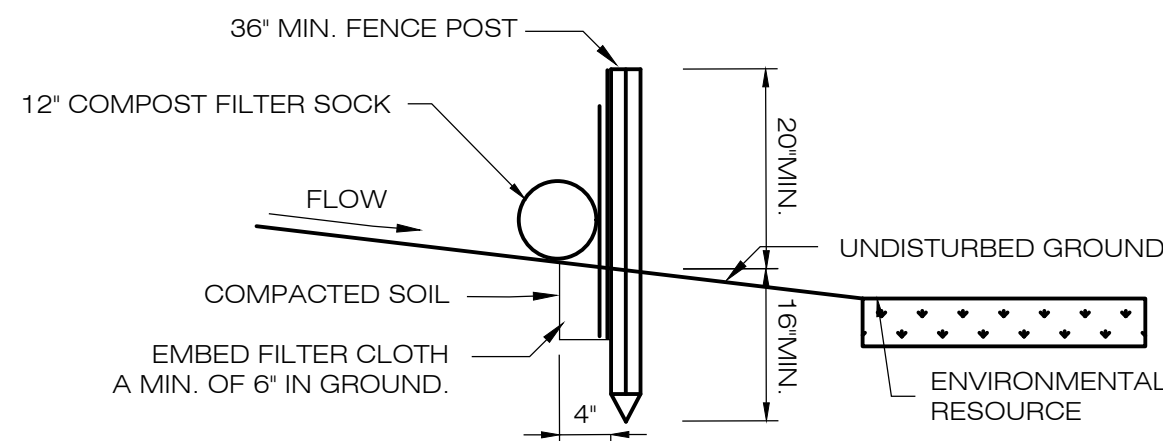
| BAFFLE LENGTHS (FT) |     |
|---------------------|-----|
| WESTERN             | 524 |
| EASTERN             | 500 |

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



1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-3" (5-7.5 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" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

4  
EC-2  
**COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER**  
SCALE : N.T.S.



SECTION VIEW

CONSTRUCTION SPECIFICATIONS  
1. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.

2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.

3. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.

4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

7  
EC-2  
**GEOTEXTILE SILT FENCE/FILTER SOCK DETAIL**  
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) |
| EASTERN                               | 15.05                  | 14,716               | 7,358                | 30,047                     | 246.0                 | 246.5                    | 249.0                       | 16,253                   | 45,299                        | 61,552                   | 52,121                   |
| WESTERN                               | 13.62                  | 13,317               | 6,659                | 27,192                     | 251.0                 | 251.5                    | 254.0                       | 13,829                   | 38,660                        | 52,489                   | 47,168                   |

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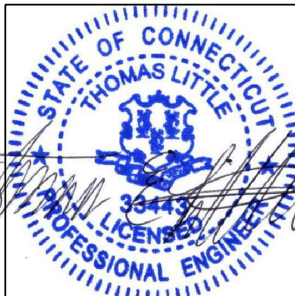
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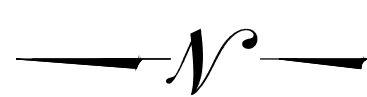
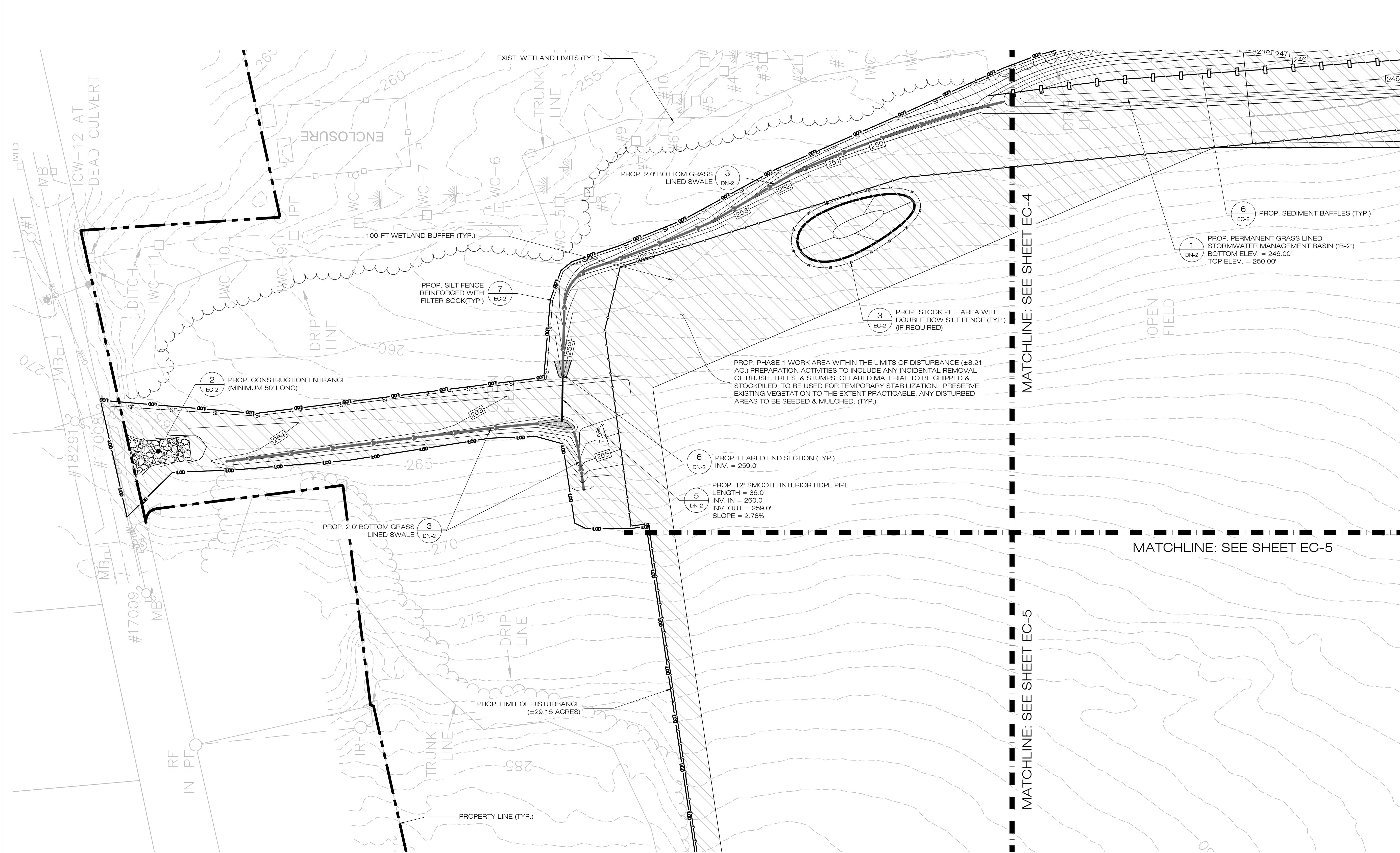
SEDIMENTATION &  
EROSION CONTROL  
DETAILS

SHEET NUMBER:

EC-2



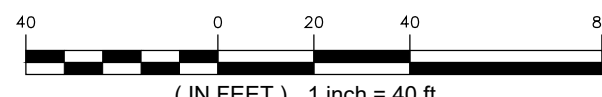




1  
EC-3

# PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE : 1" = 40'-0"



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## ELLINGTON SOLAR

SITE 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT

APT FILING NUMBER: CT481690

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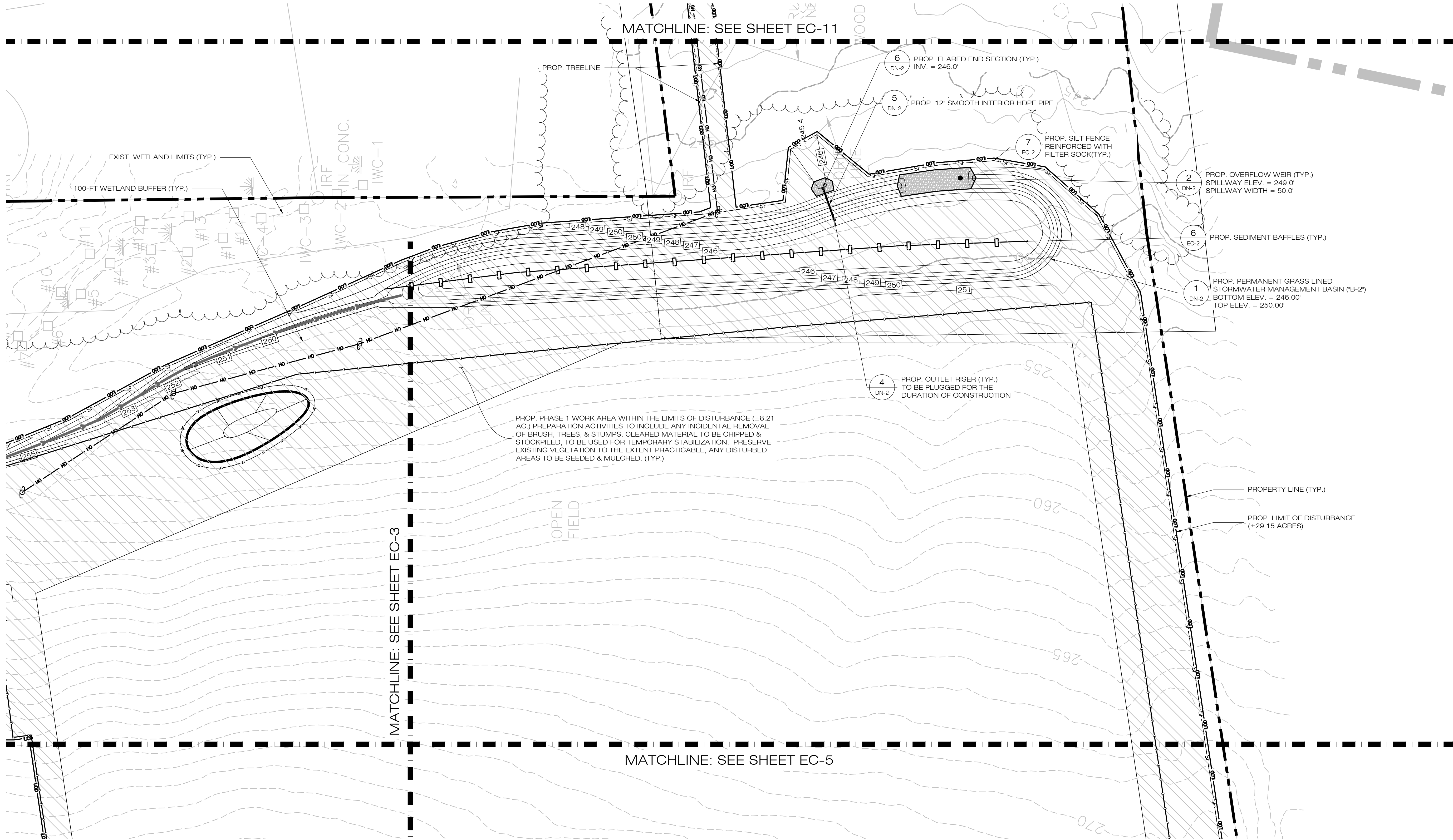
PHASE 1  
SEDIMENTATION &  
EROSION CONTROL PLAN

## SHEET NUMBER:

EC-3







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EROSION CONTROL PLAN

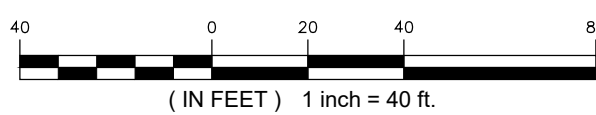
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EC-4

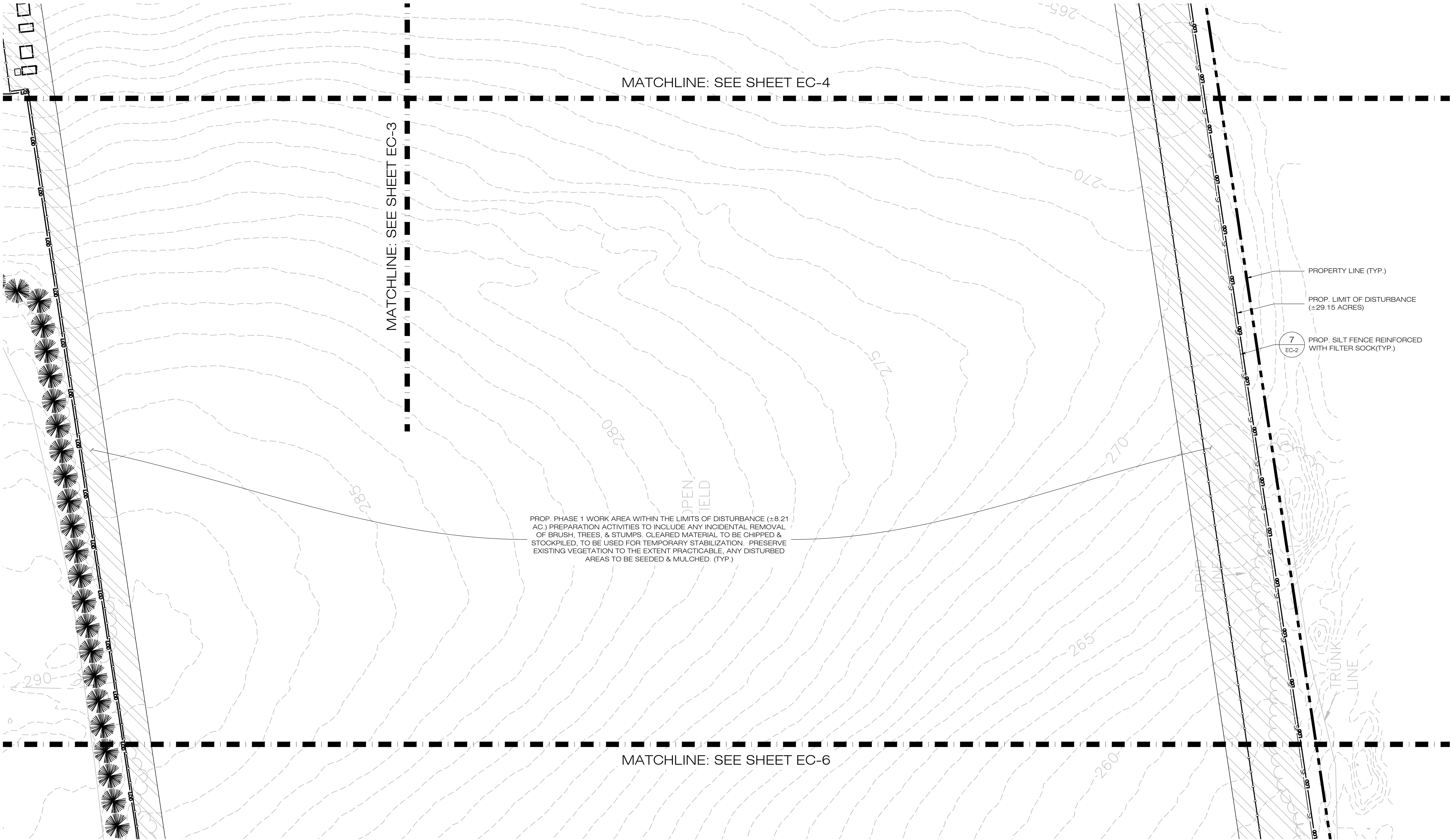


PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE : 1" = 40'-0"



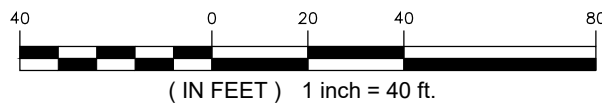




1  
EC-5

**PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN**

SCALE : 1" = 40'-0"



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| CHECKED BY: TEL |

**SHEET TITLE:**

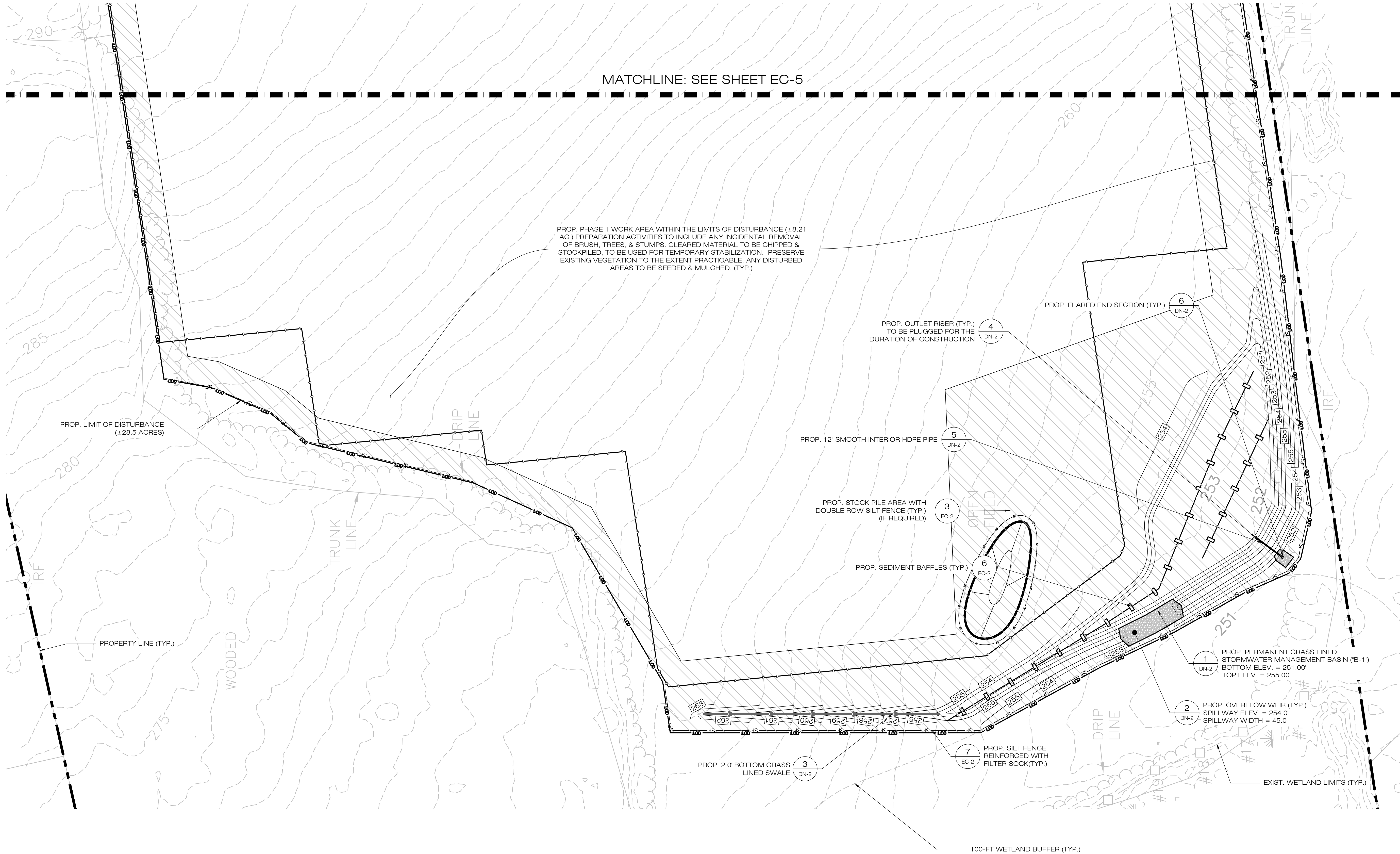
**PHASE 1**  
**SEDIMENTATION &**  
**EROSION CONTROL PLAN**

**SHEET NUMBER:**

**EC-5**



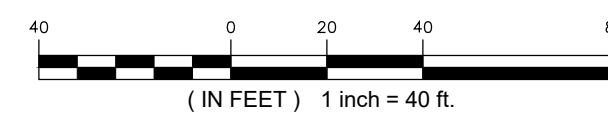




1  
EC-6

## PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE : 1" = 40'-0"



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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

### PERMIT SET

| NO | DATE     | REVISION                  |
|----|----------|---------------------------|
| 0  | 12/20/22 | FOR REVIEW: KAM           |
| 1  | 05/03/23 | REV. POLE LAYOUT: RCB     |
| 2  | 11/14/24 | REV. ARRAY & POLES: UKA   |
| 3  | 01/09/25 | REV. EQUIP. & POLES: UKA  |
| 4  | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

### DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

DRAWN BY: CSH  
DATE: 12/20/22 CHECKED BY: TEL

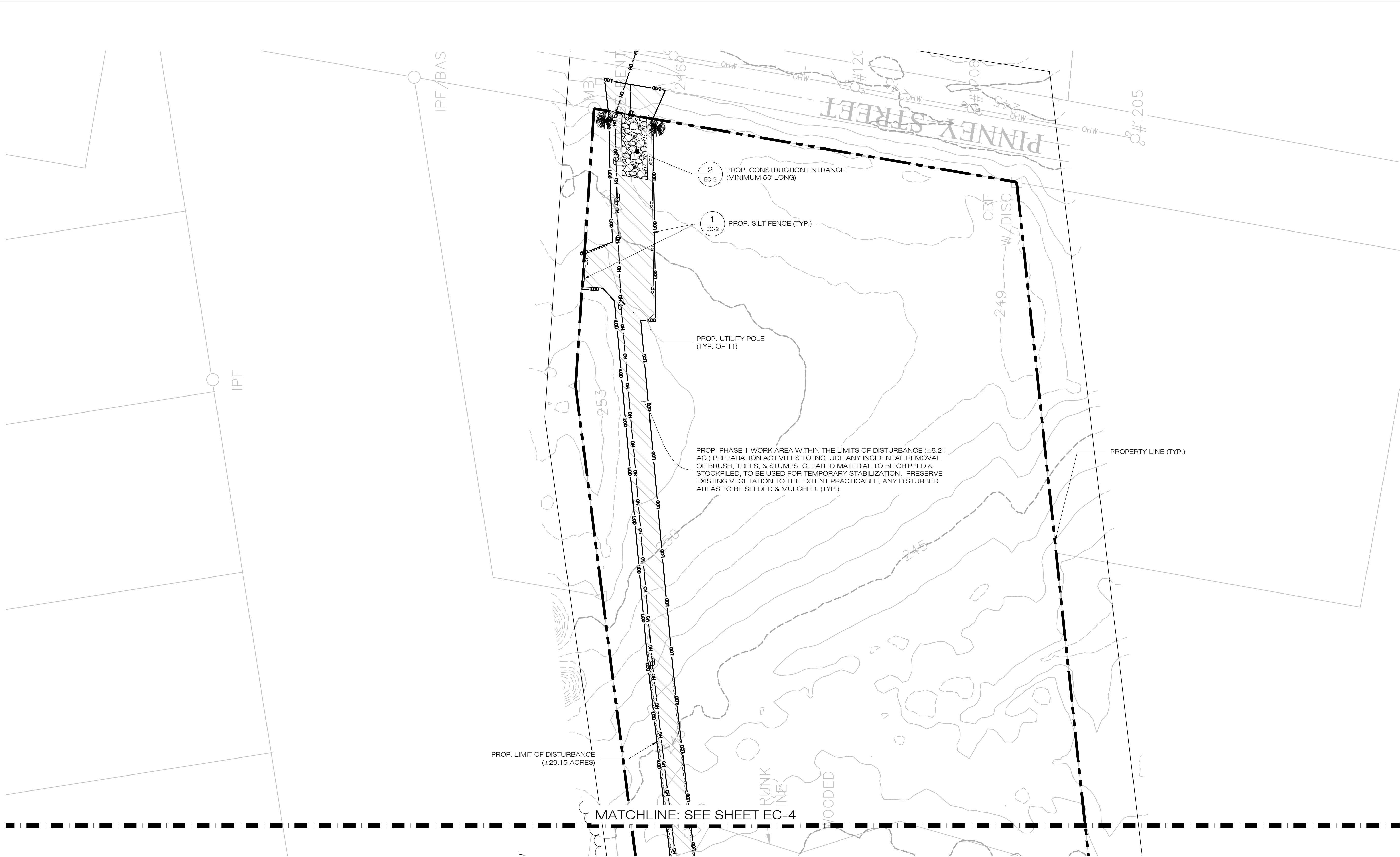
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**PHASE 1  
SEDIMENTATION &  
EROSION CONTROL PLAN**

SHEET NUMBER:

EC-6



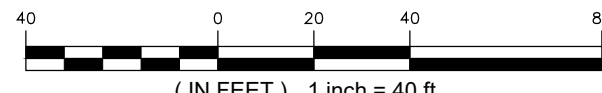




1  
EC-7

# PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE : 1" = 40'-0"



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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

## PERMIT SET

| NO | DATE     | REVISION                  |
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| 2  | 11/14/24 | REV. ARRAY & POLES: UKA   |
| 3  | 01/09/25 | REV. EQUIP. & POLES: UKA  |
| 4  | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

## DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

|                 |               |
|-----------------|---------------|
| DATE: 12/20/22  | DRAWN BY: CSH |
| CHECKED BY: TEL |               |

## SHEET TITLE:

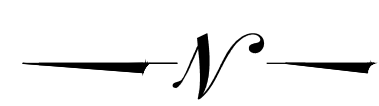
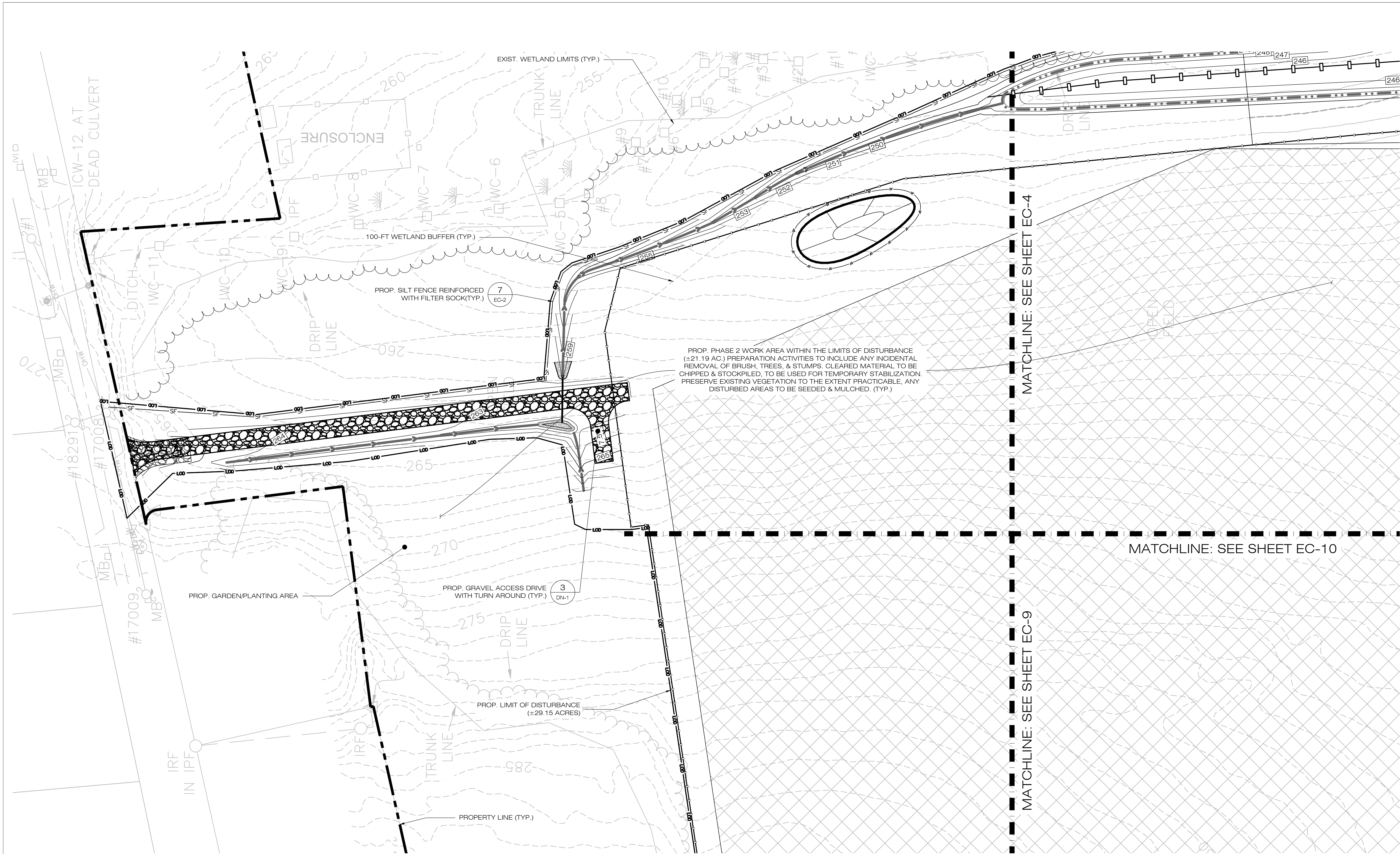
PHASE 1  
SEDIMENTATION &  
EROSION CONTROL PLAN

## SHEET NUMBER:

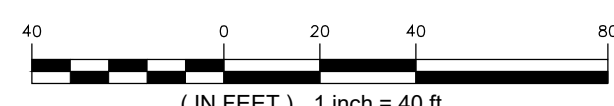
EC-7







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



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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

PERMIT SET

| NO | DATE     | REVISION                  |
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| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

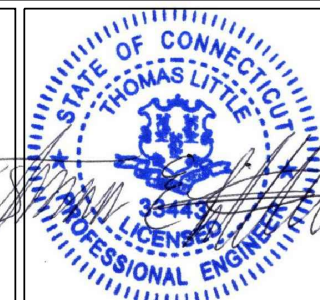
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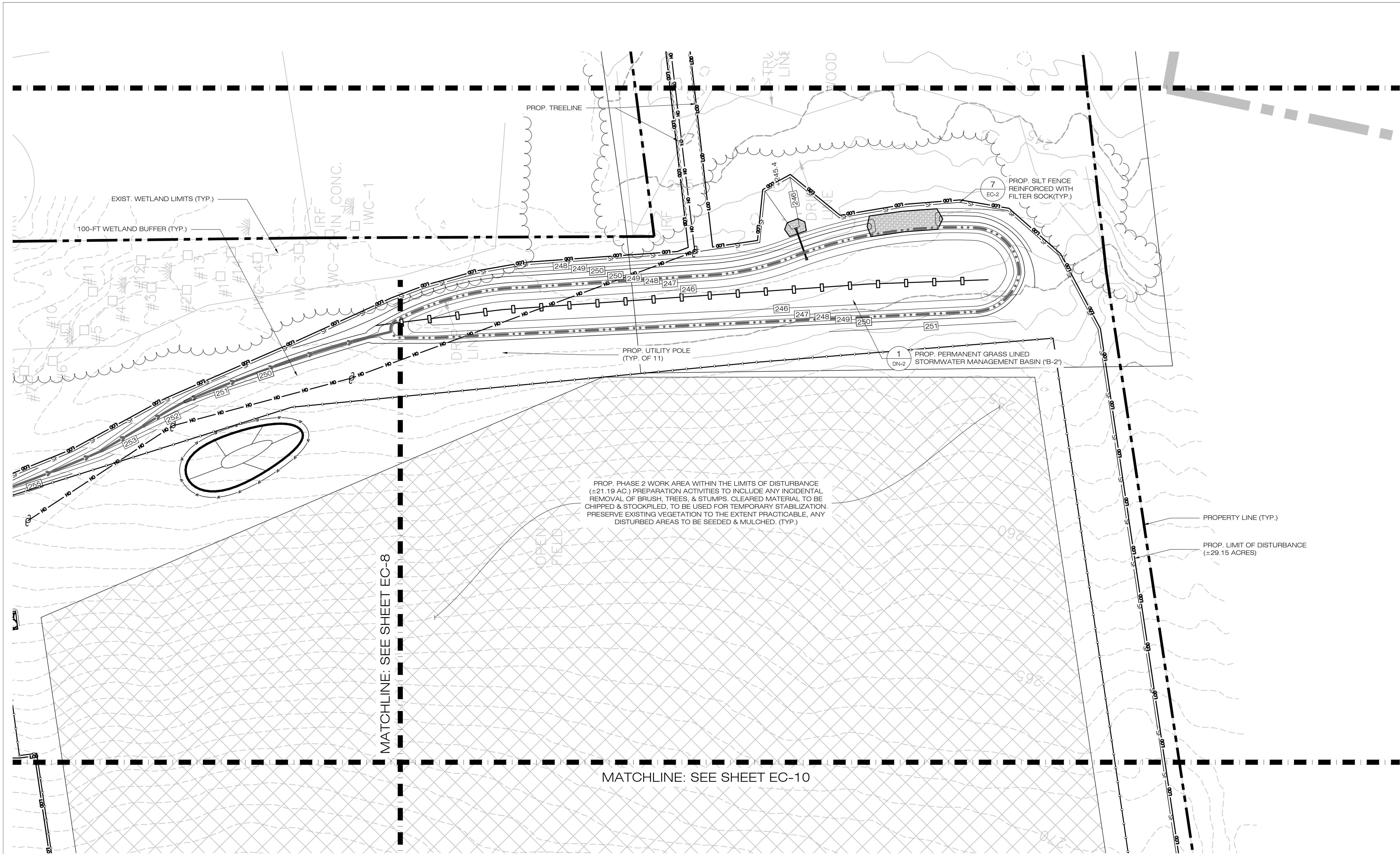
**PHASE 2  
SEDIMENTATION &  
EROSION CONTROL PLAN**

SHEET NUMBER:

**EC-8**

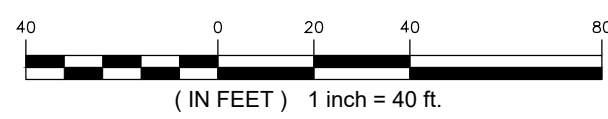






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EC-9

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



COMMUNITY POWER GROUP  
5636 CONNECTICUT  
AVE #42729  
WASHINGTON, DC 20015  
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567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

PERMIT SET

| NO | DATE     | REVISION                  |
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| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

DRAWN BY: CSH  
DATE: 12/20/22  
CHECKED BY: TEL

SHEET TITLE:

**PHASE 2  
SEDIMENTATION &  
EROSION CONTROL PLAN**

SHEET NUMBER:

**EC-9**







**ALL-POINTS**  
TECHNOLOGY CORPORATION

| PERMIT SET |          |                           |
|------------|----------|---------------------------|
| NO         | DATE     | REVISION                  |
| 0          | 12/20/22 | FOR REVIEW: KAM           |
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| 2          | 11/14/24 | REV. ARRAY & POLES: UKA   |
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| 4          | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5          | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6          | 03/20/25 | REV. PER DOT: UKA         |
| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

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

|                |                 |
|----------------|-----------------|
|                | DRAWN BY: CSH   |
| DATE: 12/20/22 | CHECKED BY: TEL |

SHEET NUMBER:

**EC-10**

STATE OF CONNECTICUT  
THOMAS LITTLE  
39443  
LICENSED PROFESSIONAL ENGINEER



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

| NO | DATE     | REVISION                  |
|----|----------|---------------------------|
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| 4  | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

**PROF:** THOMAS E. LITTLE, 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

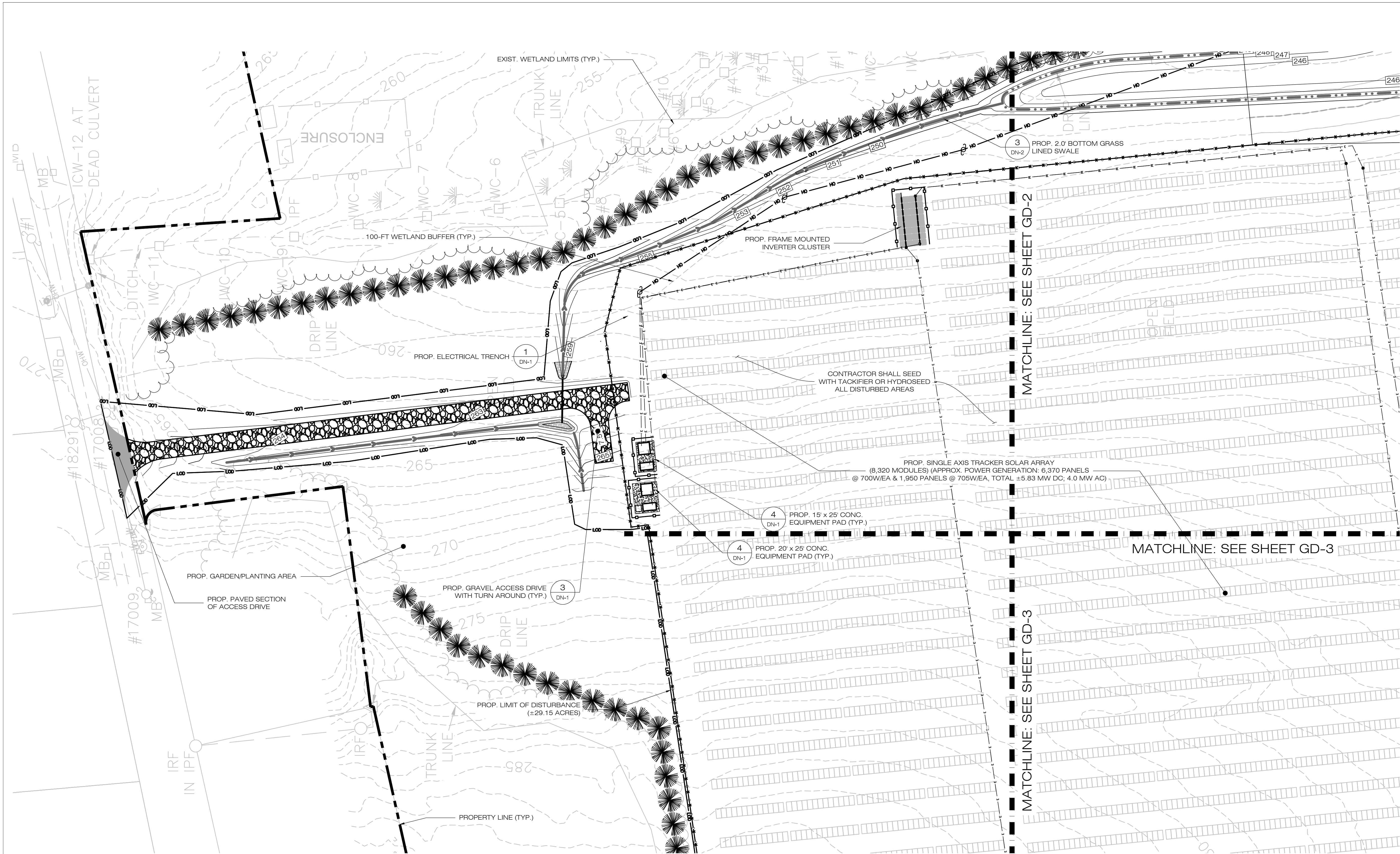
|                             |                 |
|-----------------------------|-----------------|
| SITE 24 MIDDLE ROAD         |                 |
| ADDRESS: ELLINGTON, CT      |                 |
| APT FILING NUMBER: CT481690 |                 |
|                             | DRAWN BY: CSH   |
| DATE: 12/20/22              | CHECKED BY: TEL |

SHEET NUMBER:

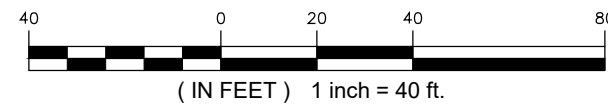
**EC-11**

STATE OF CONNECTICUT  
THOMAS LITTLE  
39443  
LICENSED  
PROFESSIONAL ENGINEER





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



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

**PERMIT SET**

| NO | DATE     | REVISION                  |
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| 4  | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

**DESIGN PROFESSIONAL OF RECORD**

PROF: THOMAS E. LITTLE, 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: CT481690

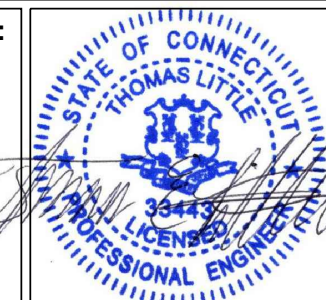
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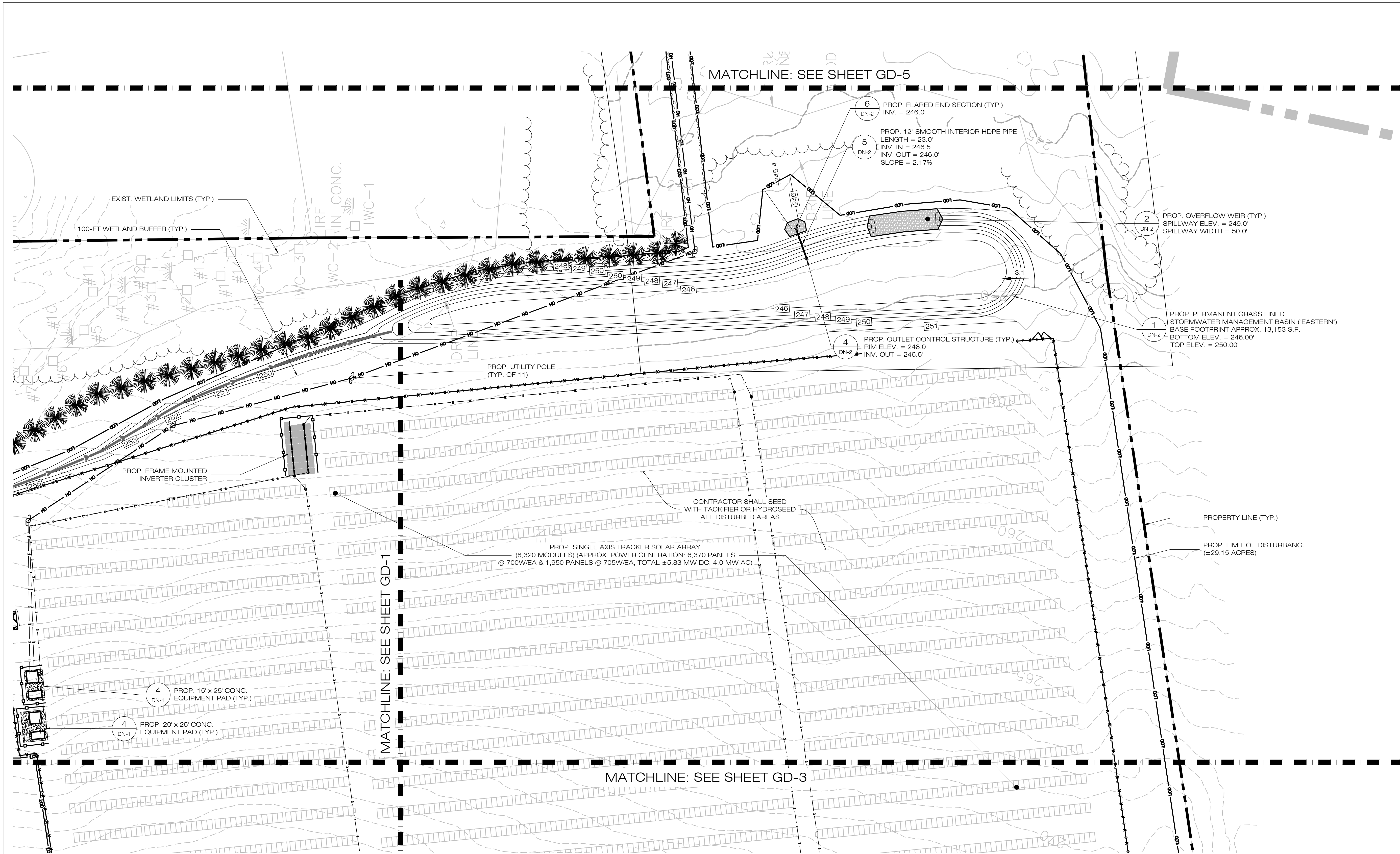
**FINAL GRADING &  
DRAINAGE PLAN**

**SHEET NUMBER:**

**GD-1**







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



567 VAUXHALL STREET EXTENSION - SUITE 311  
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| PERMIT SET |          |                           |
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| 5          | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6          | 03/20/25 | REV. PER DOT: UKA         |
| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

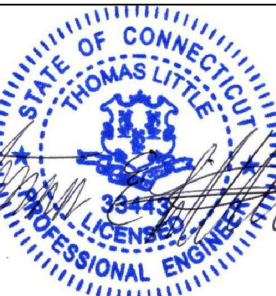
DESIGN PROFESSIONAL OF RECORD  
PROF: THOMAS E. LITTLE, P.E.  
COMP: ALL-POINTS TECHNOLOGY  
CORPORATION, P.C.  
ADD: 567 VAUXHALL STREET  
EXTENSION - SUITE 311  
WATERFORD, CT 06385

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

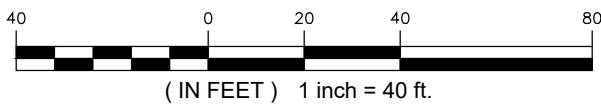
ELLINGTON SOLAR  
SITE 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT  
APT FILING NUMBER: CT481690  
DRAWN BY: CSH  
DATE: 12/20/22 CHECKED BY: TEL

SHEET TITLE:  
FINAL GRADING &  
DRAINAGE PLAN

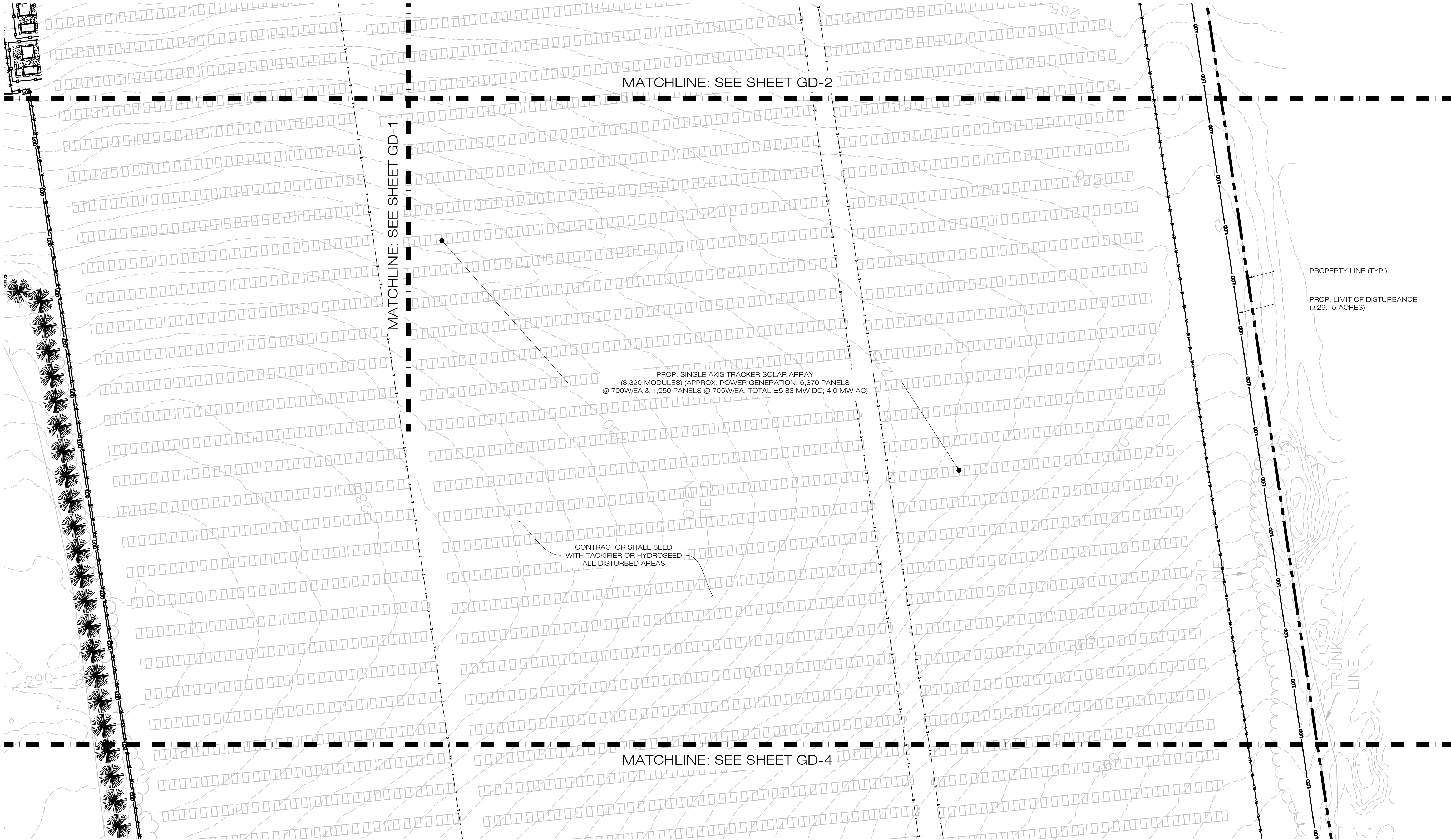
SHEET NUMBER:  
GD-2



1  
GD-2  
FINAL GRADING & DRAINAGE PLAN  
SCALE: 1" = 40'-0"







COMMUNITY POWER GROUP  
5636 CONNECTICUT  
AVE #42729  
WASHINGTON, DC 20015  
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WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

PERMIT SET

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| 6  | 03/20/25 | REV. PER DOT: UKA         |
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DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

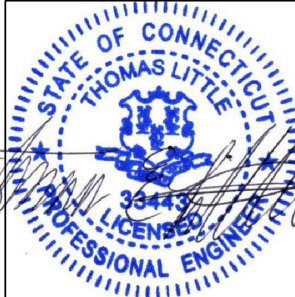
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| DATE: 12/20/22  | DRAWN BY: CSH |
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SHEET TITLE:

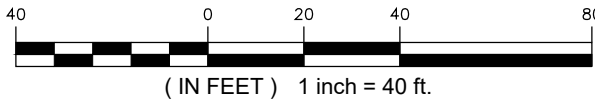
FINAL GRADING &  
DRAINAGE PLAN

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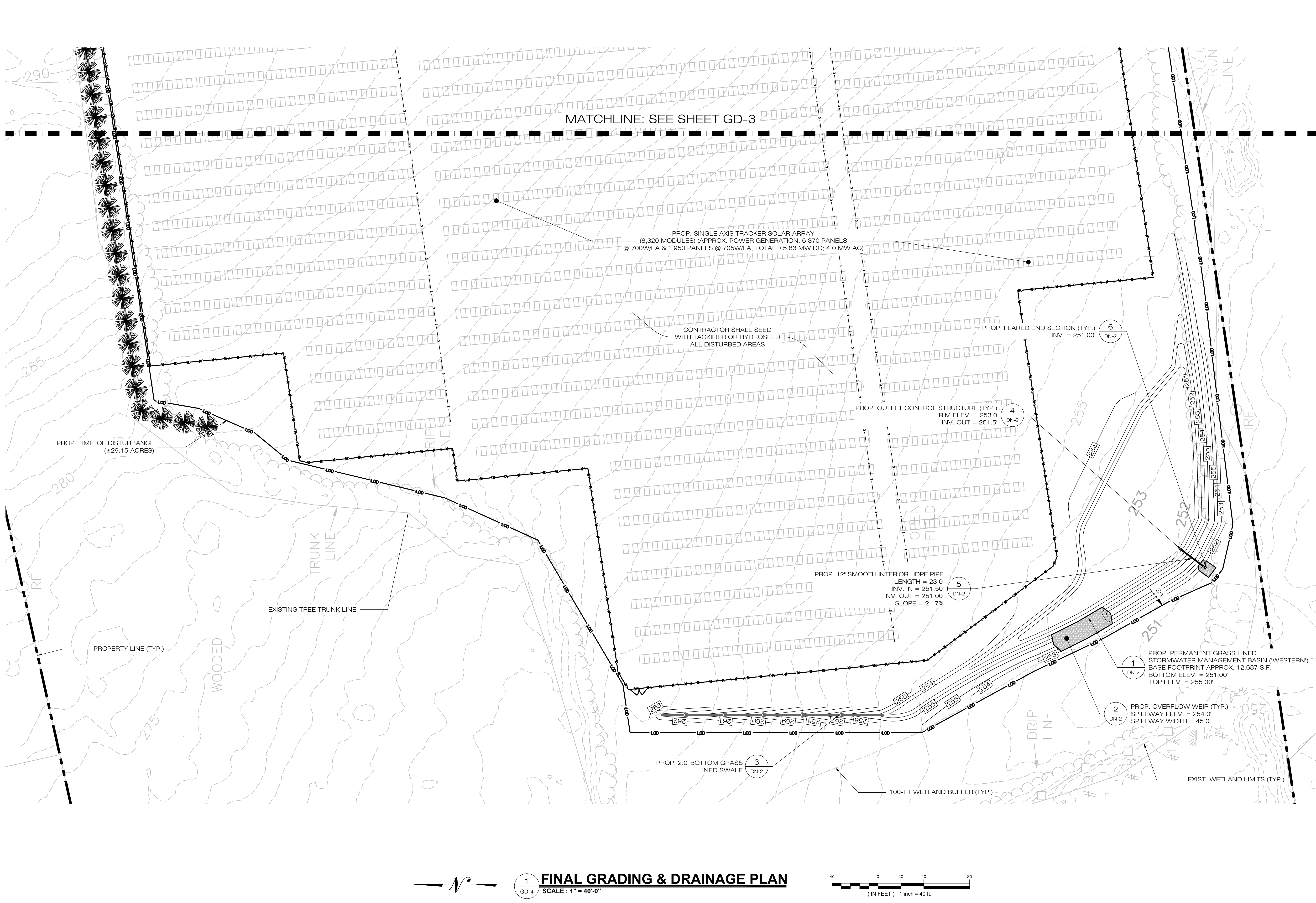
GD-3



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







COMMUNITY POWER GROUP  
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AVE #42729  
WASHINGTON, DC 20015  
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| 6          | 03/20/25 | REV. PER DOT: UKA         |
| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

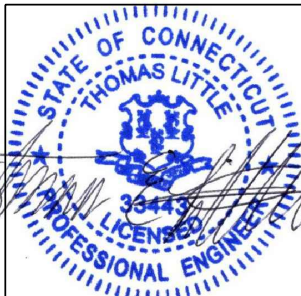
DESIGN PROFESSIONAL OF RECORD  
PROF: THOMAS E. LITTLE, P.E.  
COMP: ALL-POINTS TECHNOLOGY  
CORPORATION, P.C.  
ADD: 567 VAUXHALL STREET  
EXTENSION - SUITE 311  
WATERFORD, CT 06385

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

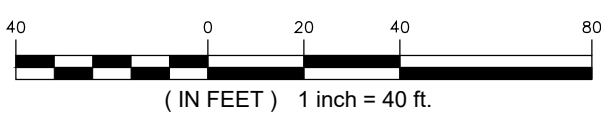
ELLINGTON SOLAR  
SITE 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT  
APT FILING NUMBER: CT481690  
DRAWN BY: CSH  
DATE: 12/20/22 CHECKED BY: TEL

SHEET TITLE:  
FINAL GRADING &  
DRAINAGE PLAN

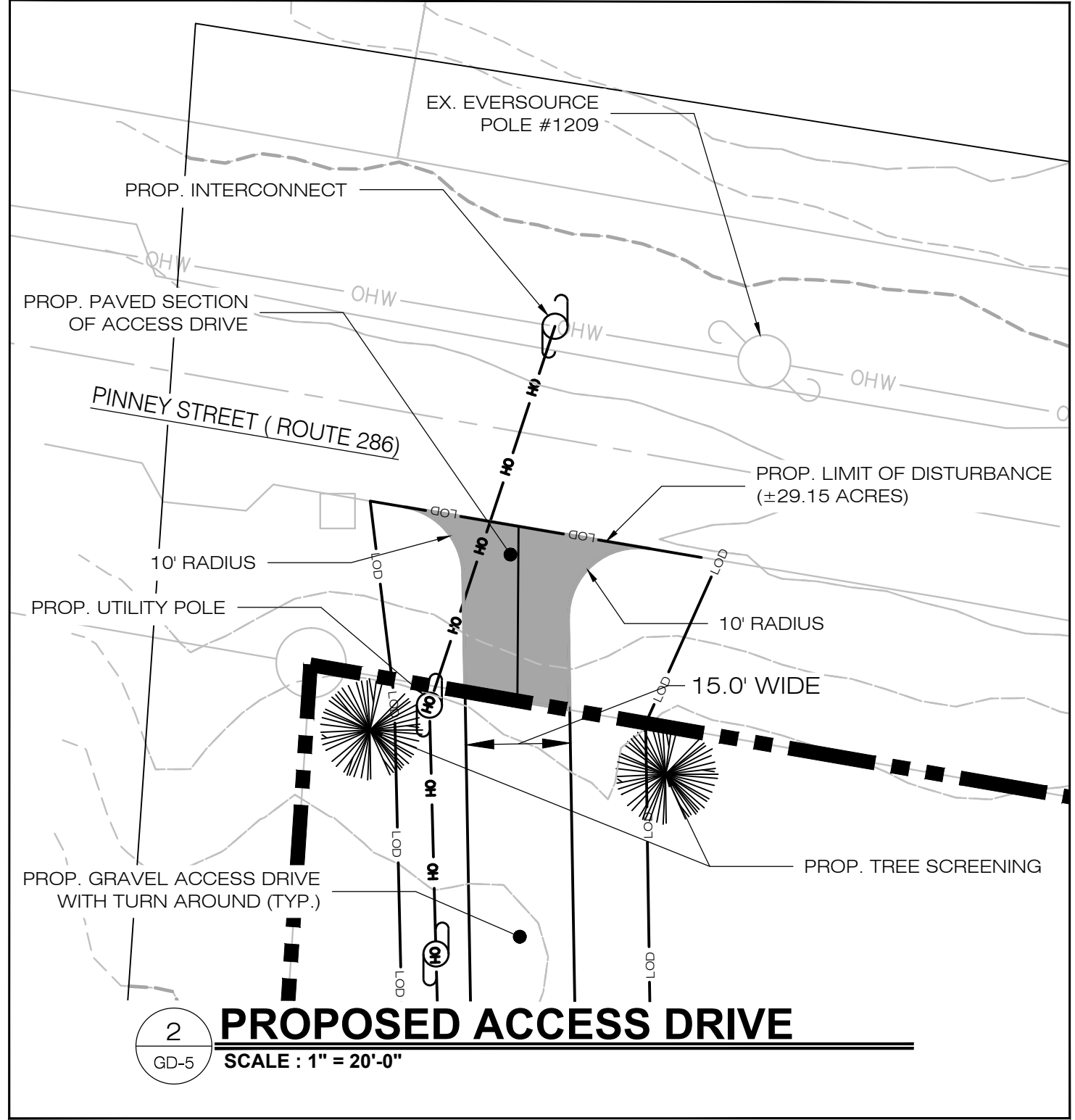
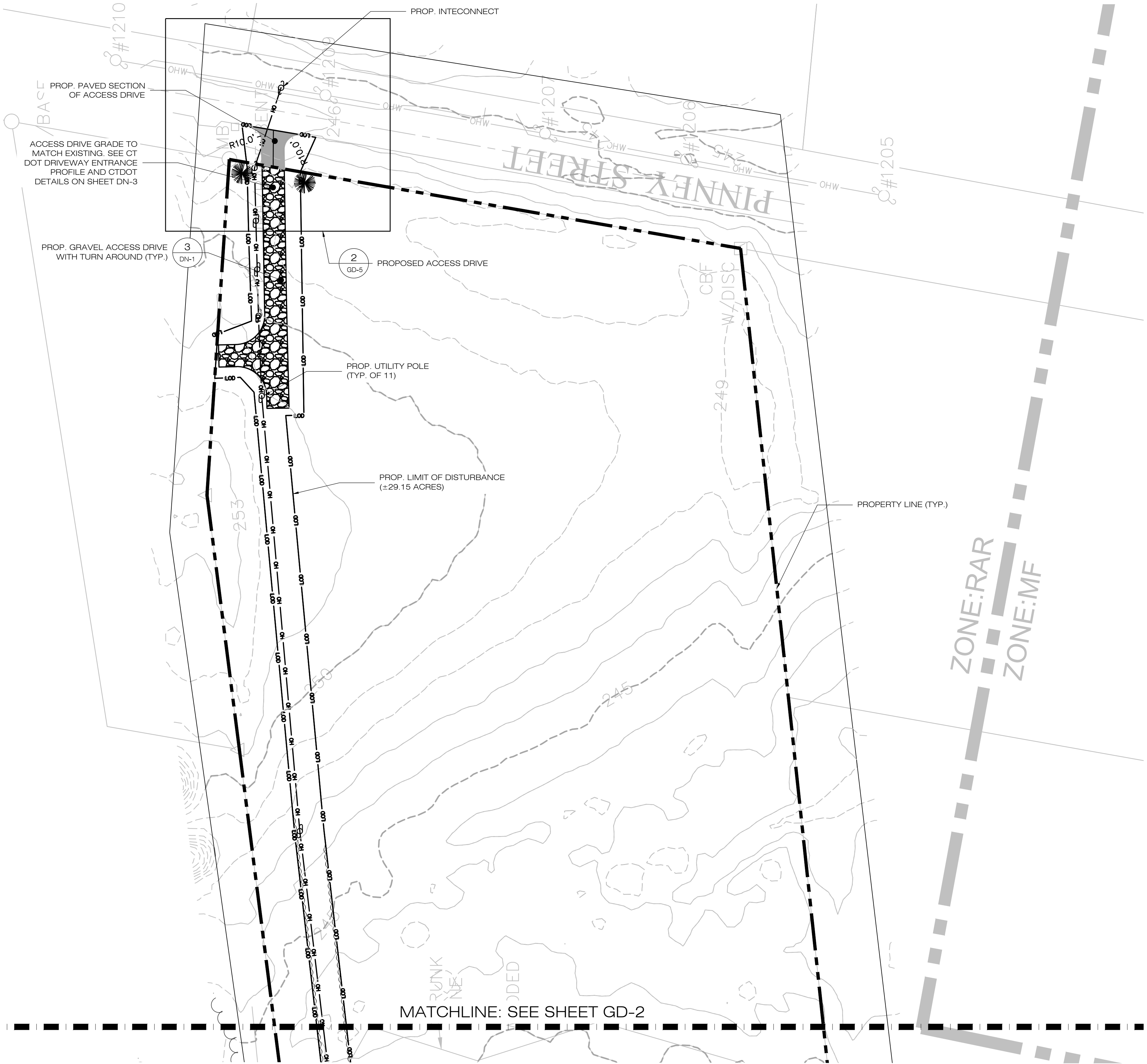
SHEET NUMBER:  
GD-4



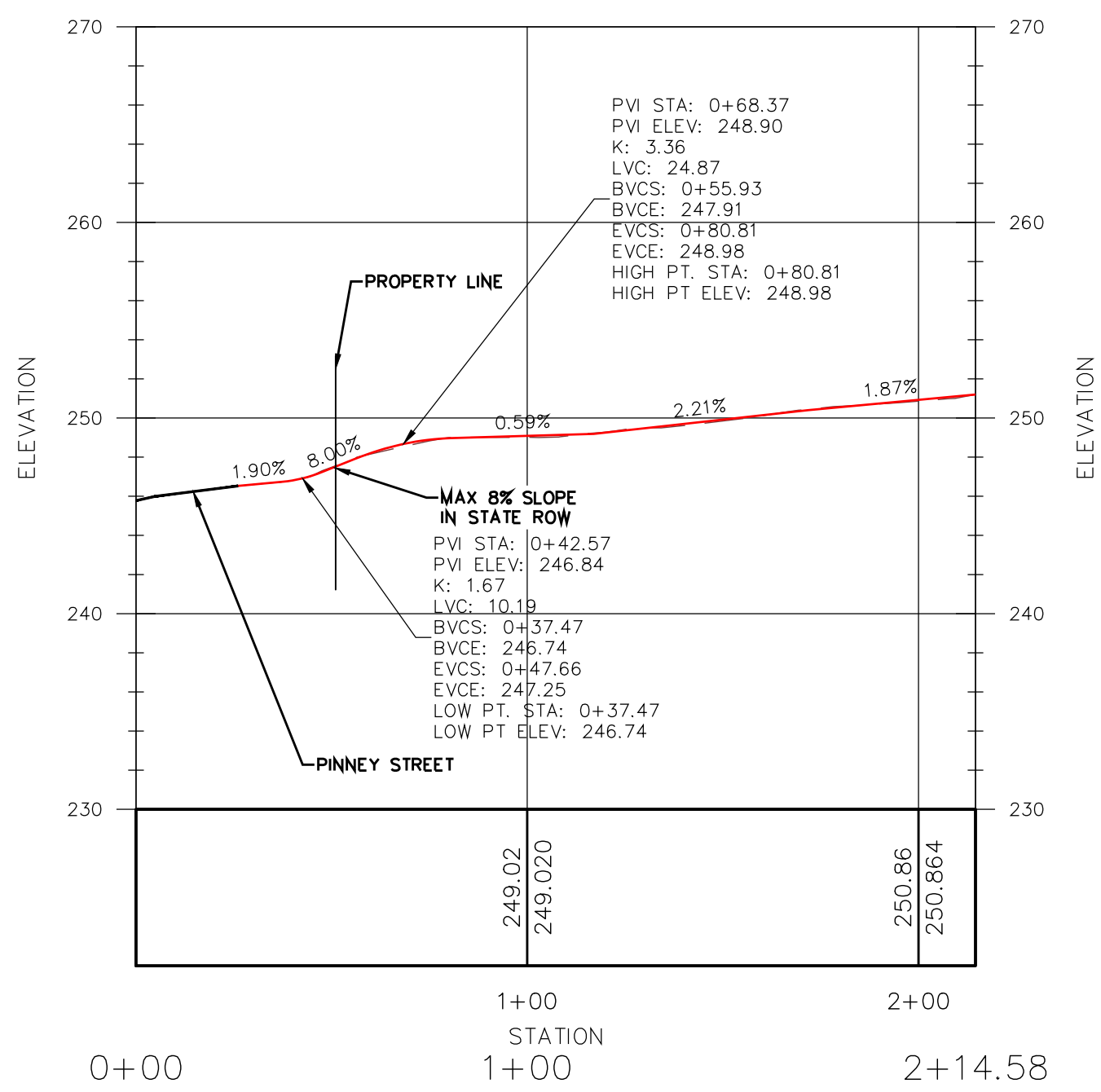
1  
GD-4  
FINAL GRADING & DRAINAGE PLAN  
SCALE: 1" = 40'-0"







CT DOT Driveway Entrance Profile



**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)-863-1697  
WWW.ALLPOINTSTECH.COM    FAX: (860)-863-0935

| PERMIT SET |          |                           |
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| 3          | 01/09/25 | REV. EQUIP. & POLES: UKA  |
| 4          | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5          | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6          | 03/20/25 | REV. PER DOT: UKA         |
| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

DRAWN BY: CSH

CHECKED BY: TEL

SHEET TITLE:

**FINAL GRADING & DRAINAGE PLAN**

SHEET NUMBER:

**GD-5**









**ALL-POINTS**  
TECHNOLOGY CORPORATION

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

| PERMIT SET |          |                           |
|------------|----------|---------------------------|
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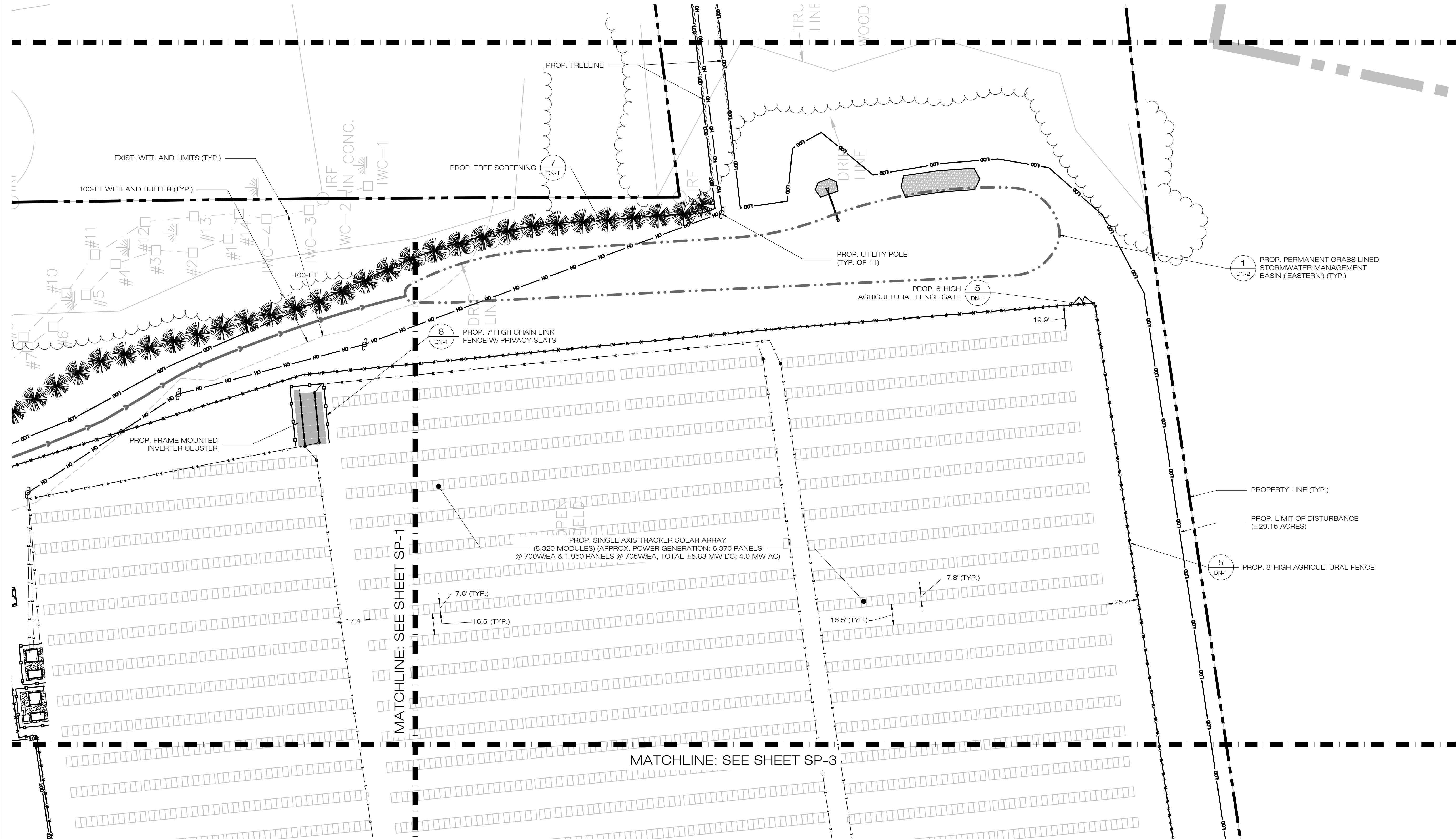
|  |
|--|
| <b>DESIGN PROFESSIONAL OF RECORD</b>   |
| <b>PROF: THOMAS E. LITTLE, P.E.<br/>COMP: ALL-POINTS TECHNOLOGY<br/>CORPORATION, P.C.<br/>ADD: 567 VAUXHALL STREET<br/>EXTENSION - SUITE 311<br/>WATERFORD, CT 06385</b> |
| <b>OWNER: PHRUMB PROPERTIES, LLC<br/>ADDRESS: PO BOX 1213<br/>SOUTH WINDSOR, CT 06074</b>  |

|                                |                 |
|--------------------------------|-----------------|
| <b>ELLINGTON SOLAR</b>         |                 |
| SITE            24 MIDDLE ROAD |                 |
| ADDRESS: ELLINGTON, CT         |                 |
| APT FILING NUMBER: CT481690    |                 |
|                                | DRAWN BY: CSH   |
| DATE:        12/20/22          | CHECKED BY: TEL |

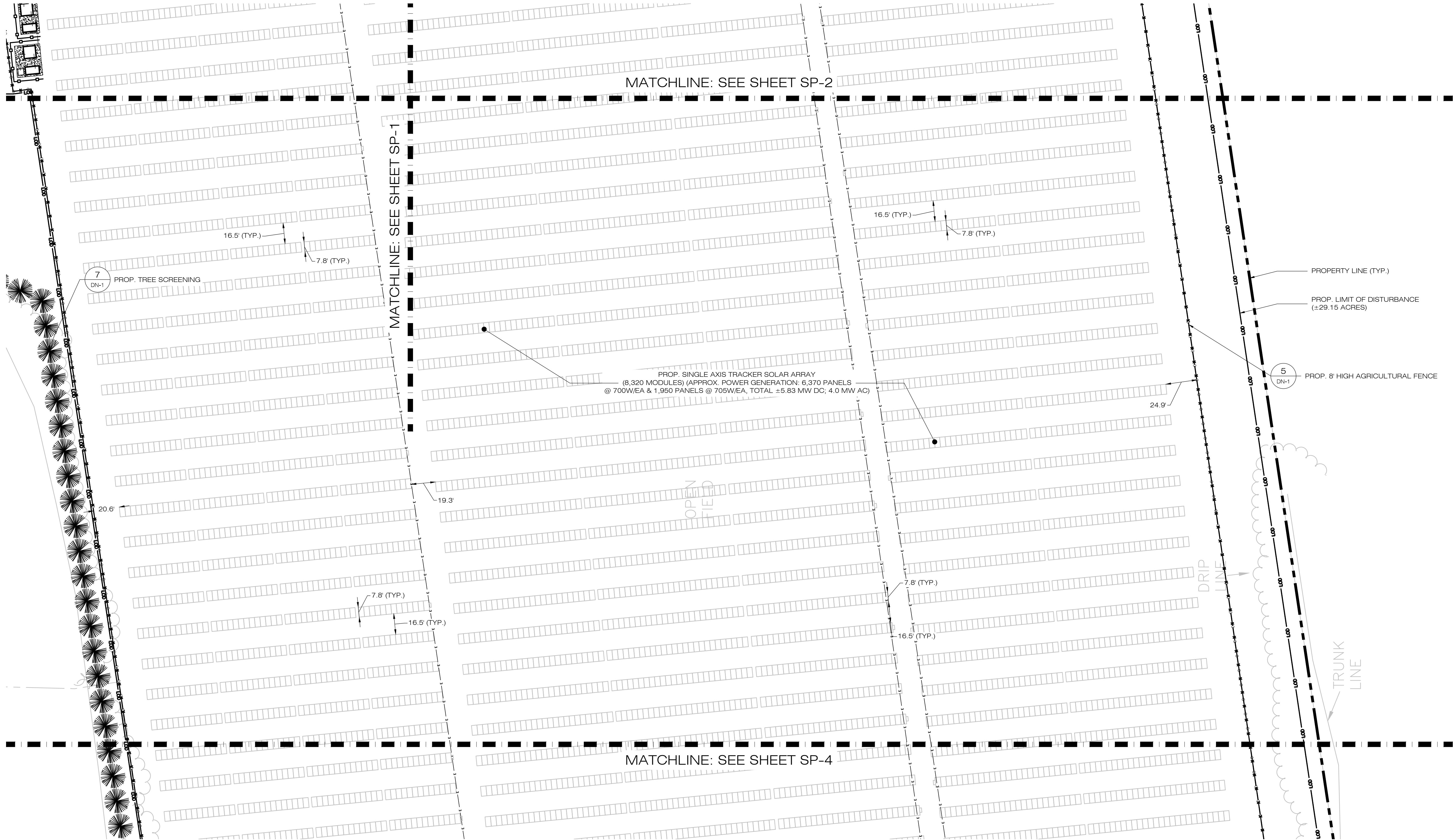
**SHEET TITLE:**

**SITE & UTILITY PLAN**

SHEET NUMBER: **SP-2**







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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-963-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-963-0935

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PROF: THOMAS E. LITTLE, 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<br>ADDRESS: 24 MIDDLE ROAD<br>ELLINGTON, CT |                                  |
| APT FILING NUMBER: CT481690                      |                                  |
| DATE: 12/20/22                                   | DRAWN BY: CSH<br>CHECKED BY: TEL |

SHEET TITLE:  
**SITE & UTILITY PLAN**

SHEET NUMBER:  
**SP-3**





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

| PERMIT SET |          |                           |
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| 6          | 03/20/25 | REV. PER DOT: UKA         |
| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

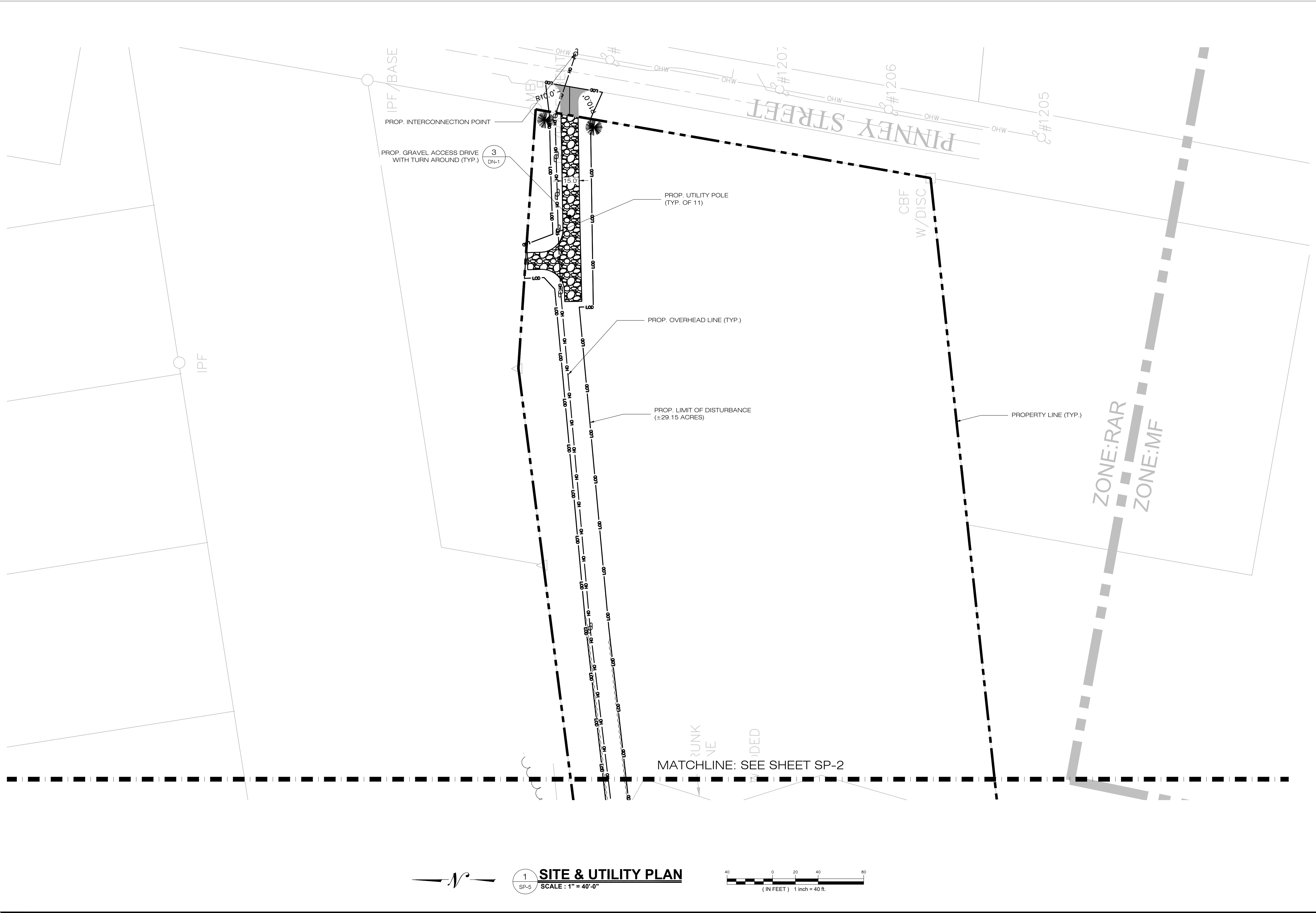
**PROF: THOMAS E. LITTLE, P.E.**  
**COMP: ALL-POINTS TECHNOLOGY**  
**CORPORATION, P.C.**  
**ADD: 567 VAUXHALL STREET**  
**EXTENSION - SUITE 311**  
**WATERFORD, CT 06385**

**ADDRESS: PO BOX 1213**  
**SOUTH WINDSOR, CT 06074**

|                |                 |
|----------------|-----------------|
|                | DRAWN BY: CSH   |
| DATE: 12/20/22 | CHECKED BY: TEL |

SHEET NUMBER: **SP-4**





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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

| PERMIT SET |          |                           |
|------------|----------|---------------------------|
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| 7          | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD  
PROF: THOMAS E. LITTLE, 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

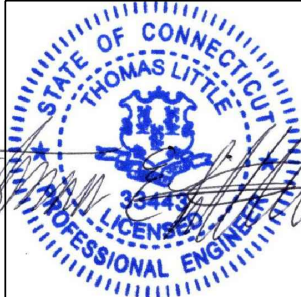
SITE 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT

APT FILING NUMBER: CT481690

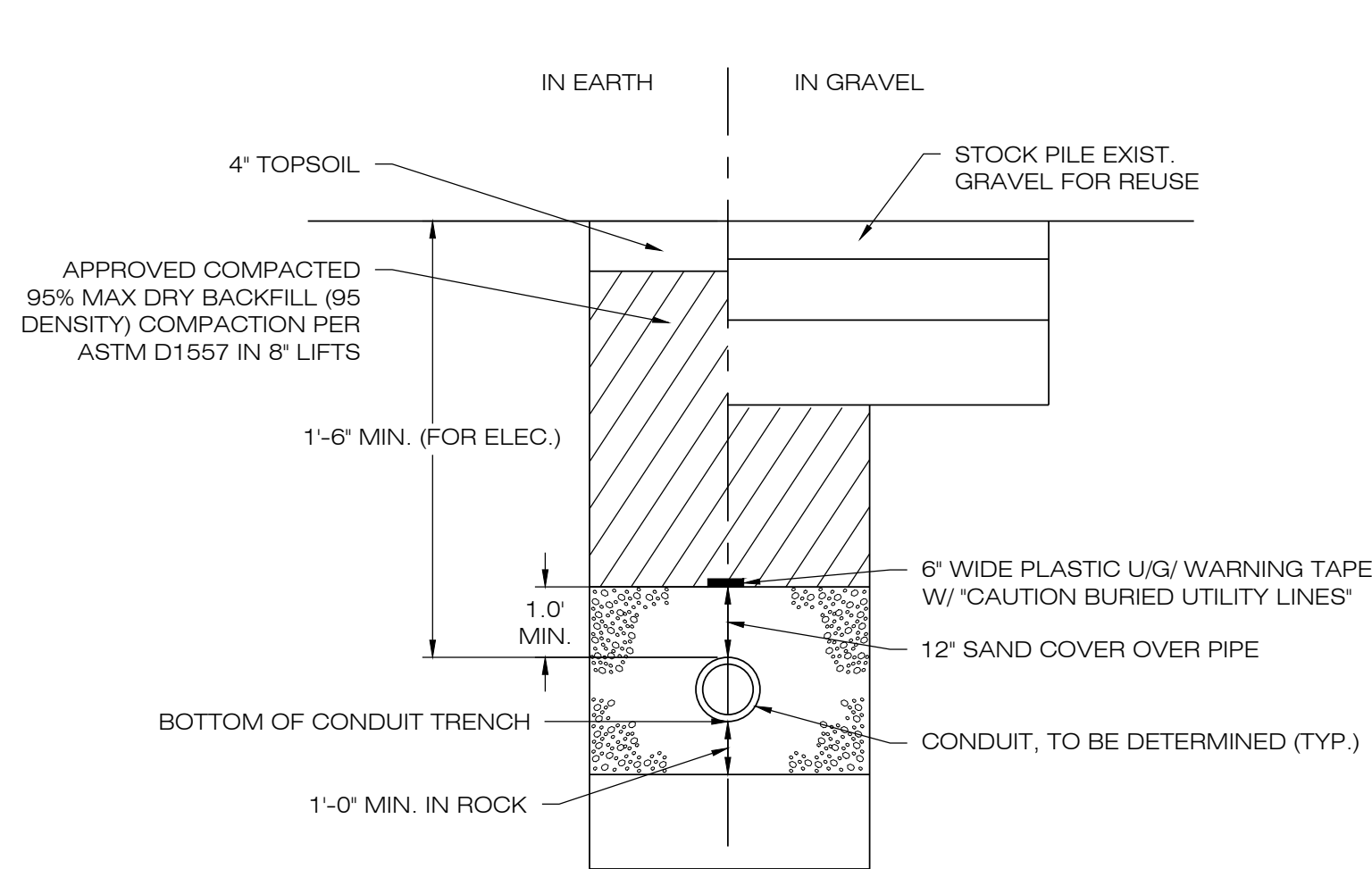
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|-----------------|---------------|
| DATE: 12/20/22  | DRAWN BY: CSH |
| CHECKED BY: TEL |               |

SHEET TITLE:  
**SITE & UTILITY PLAN**

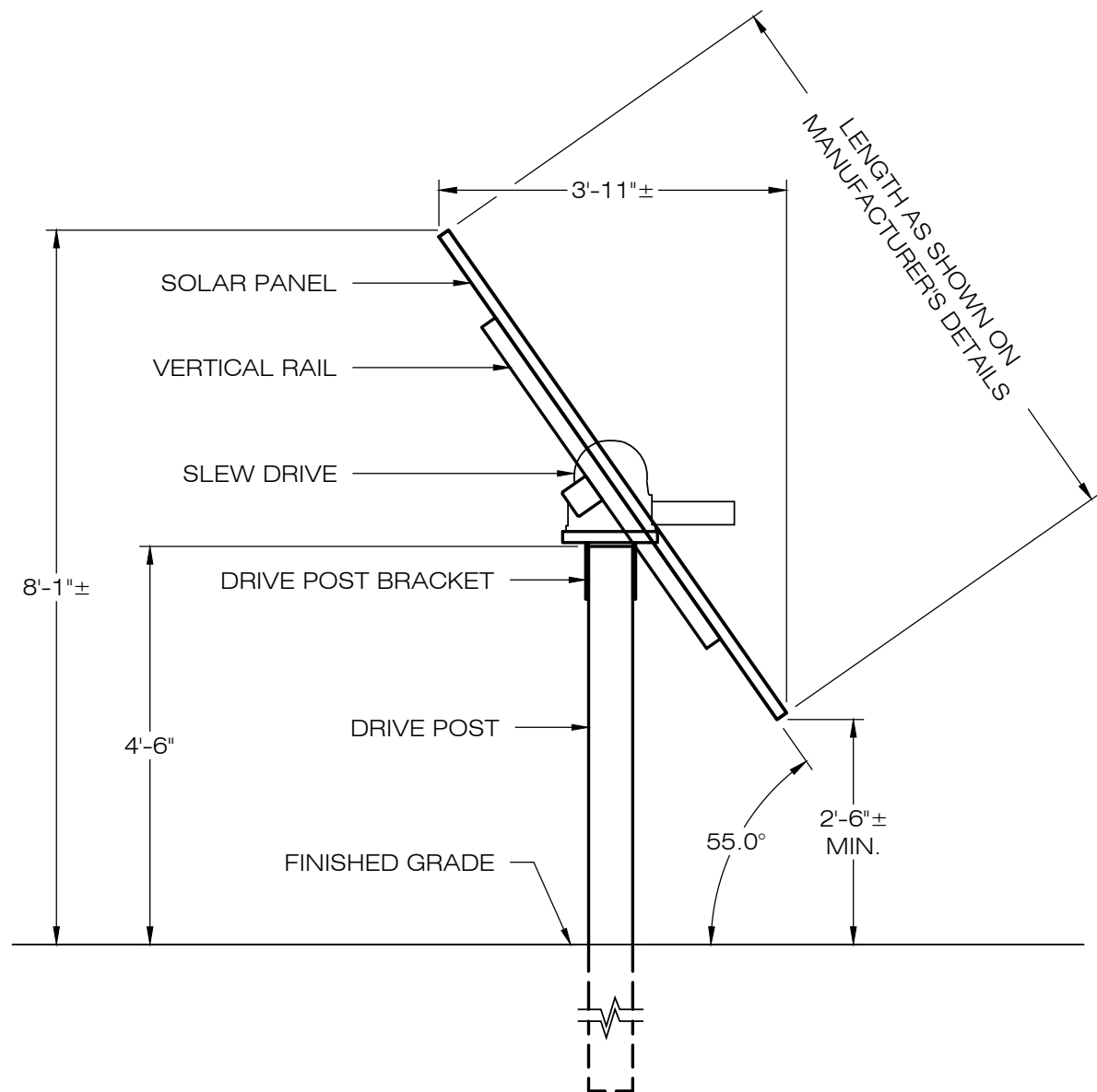
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**SP-5**



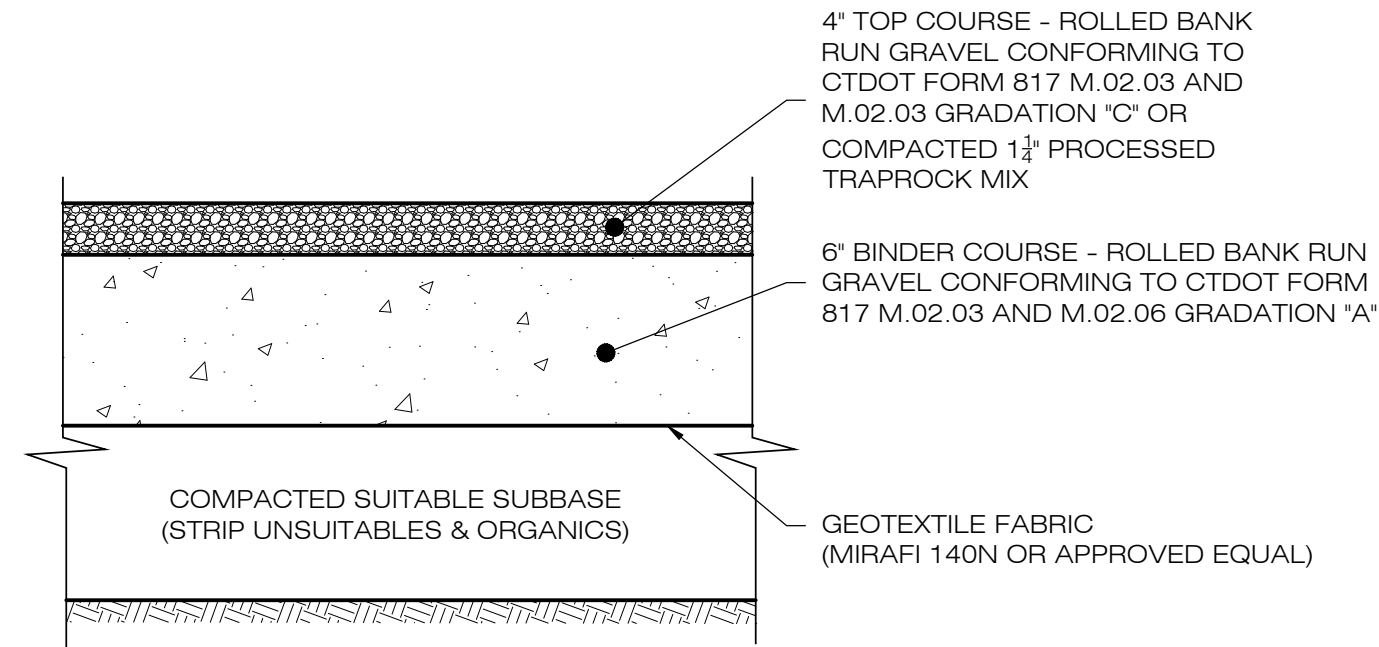




1 **ELECTRICAL TRENCH DETAIL**  
DN-1 SCALE : N.T.S.

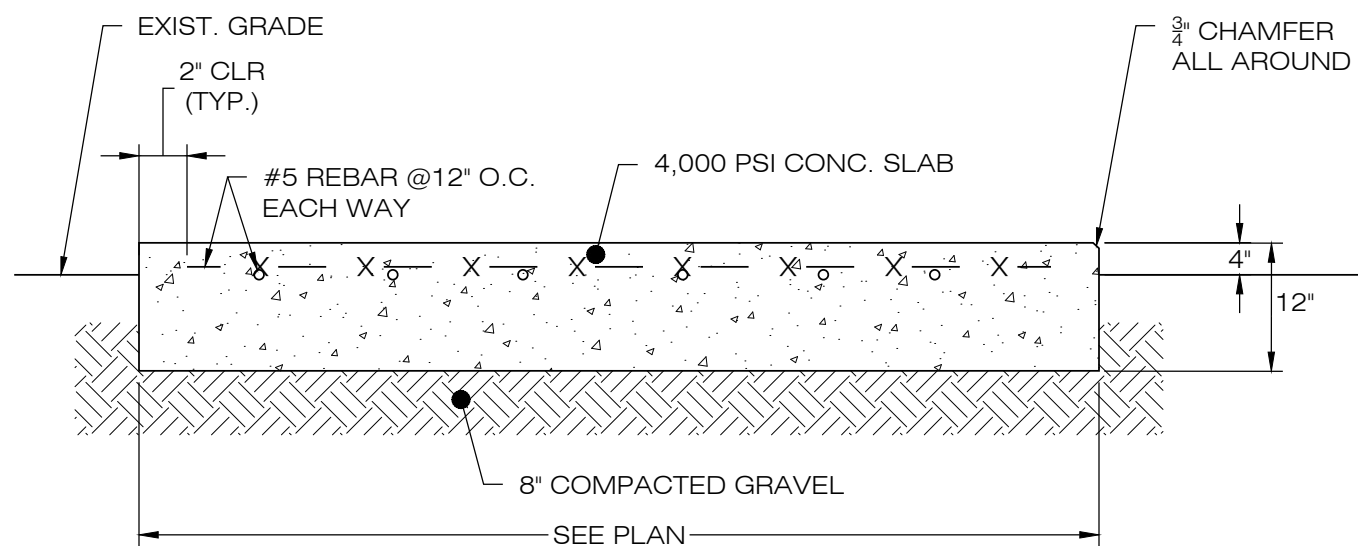


NOTES:  
SEE MANUFACTURER'S DETAIL SHEETS FOR ADDITIONAL INFORMATION REGARDING RACKING SYSTEM REQUIREMENTS AND INSTALLATION PROCEDURES. RACKING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.



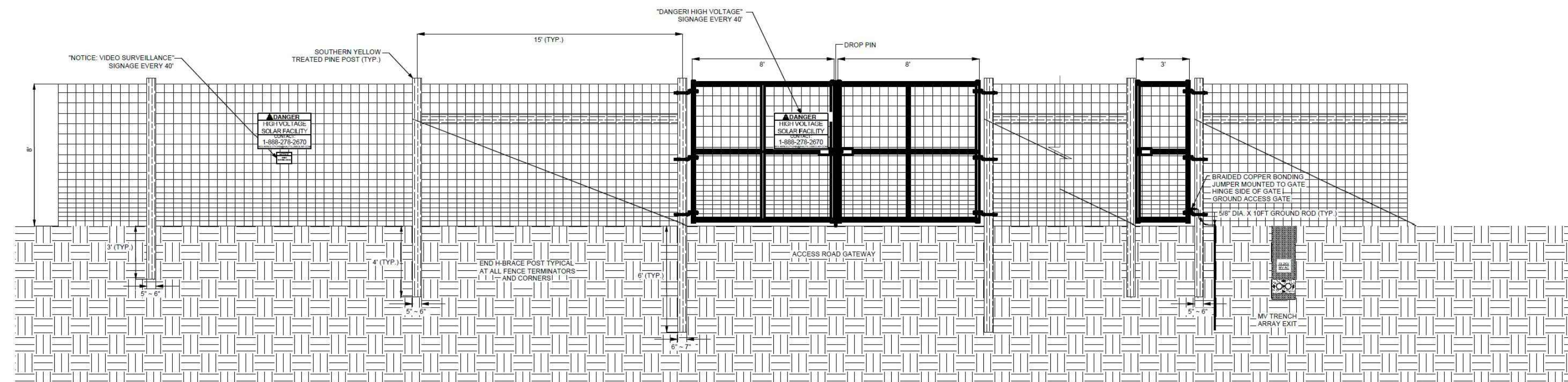
NOTES:  
1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY.  
2. SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE MATERIALS.

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



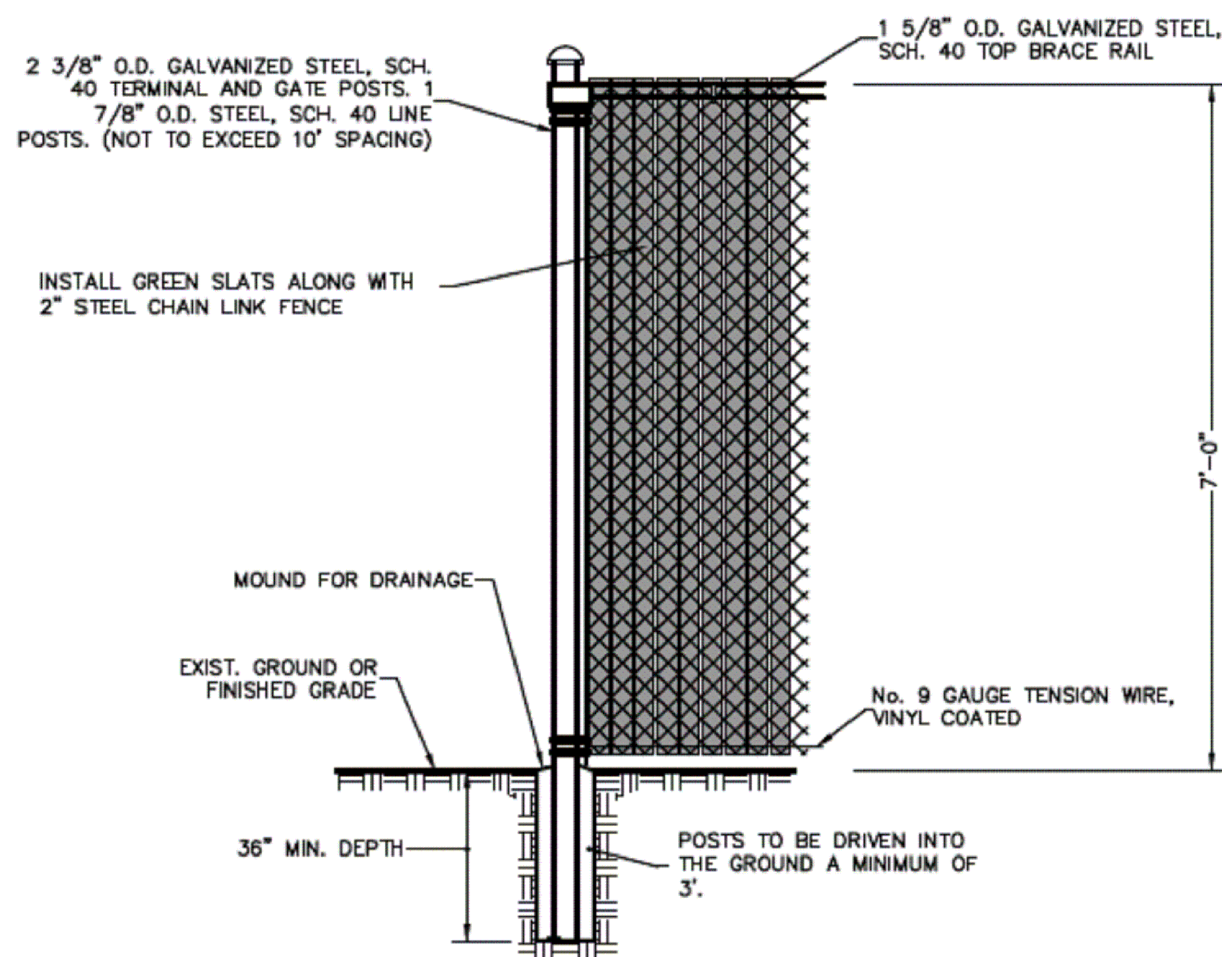
4 **CONCRETE EQUIPMENT PAD**  
DN-1 SCALE : N.T.S.

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

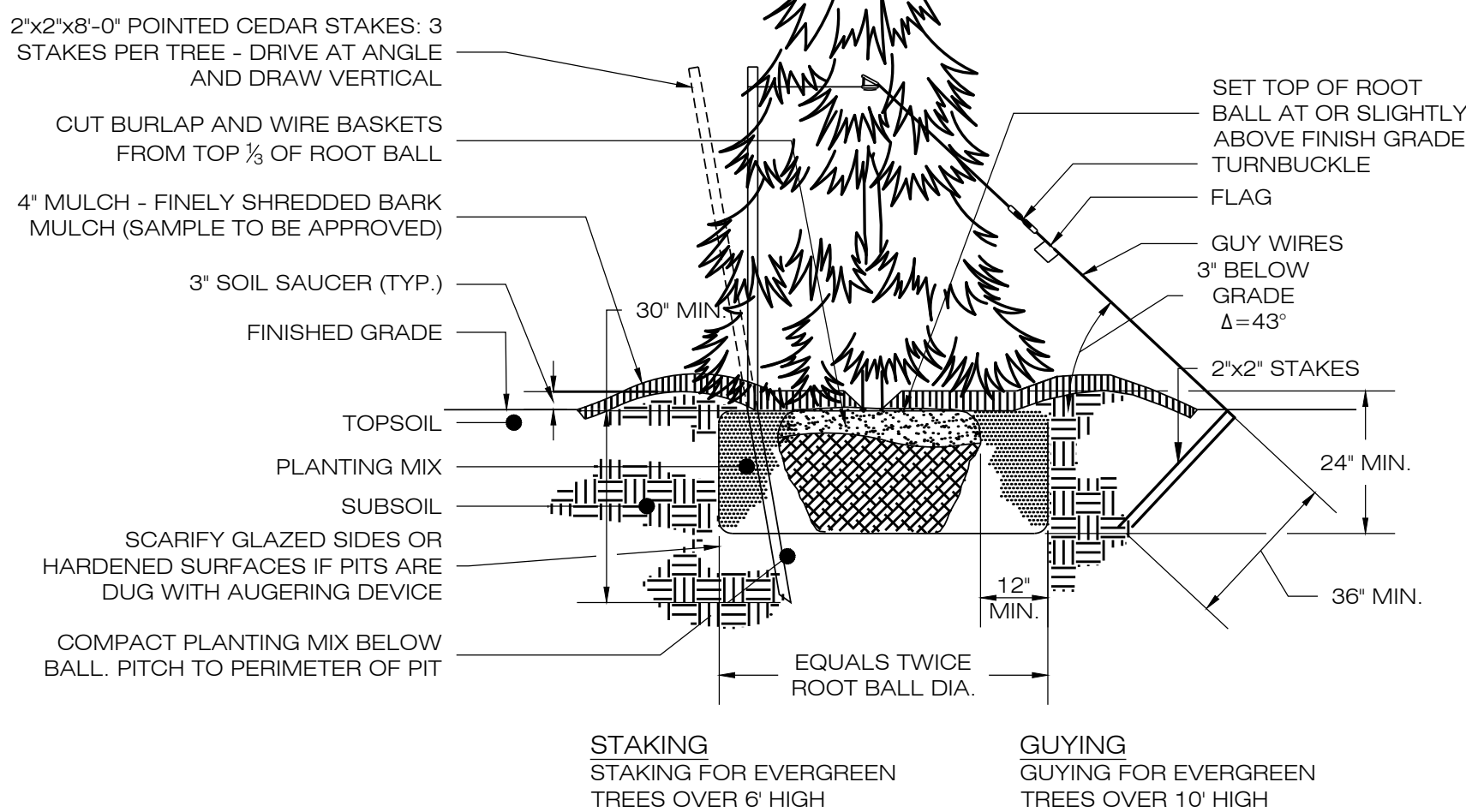


**AGRICULTURAL FENCE DETAIL**  
NO SCALE

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

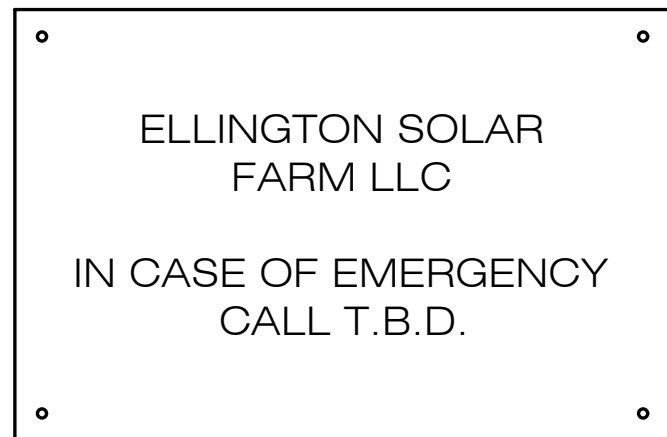


8 **EQUIPMENT PAD FENCE DETAIL**  
DN-1 SCALE : N.T.S.



NOTE:  
TREE SPECIES TO BE CHOSEN FROM THE FOLLOWING LIST DEPENDING ON AVAILABILITY AT TIME OF CONSTRUCTION:  
• SPARTAN JUNIPER  
• BRANDON'S ARBORVITAE  
• EMERALD GREEN ARBORVITAE  
• STAR POWER JUNIPER  
• CHALET SWISS STONE PINE  
• IOWA JUNIPER  
• SUNKIST ARBORVITAE  
• NORWAY SPRUCE

7 **TYPICAL PLANTING 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  
WASHINGTON, DC 20015  
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567 VAUXHALL STREET EXTENSION - SUITE 311  
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WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

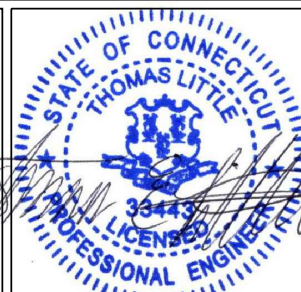
| PERMIT SET |          |                           |
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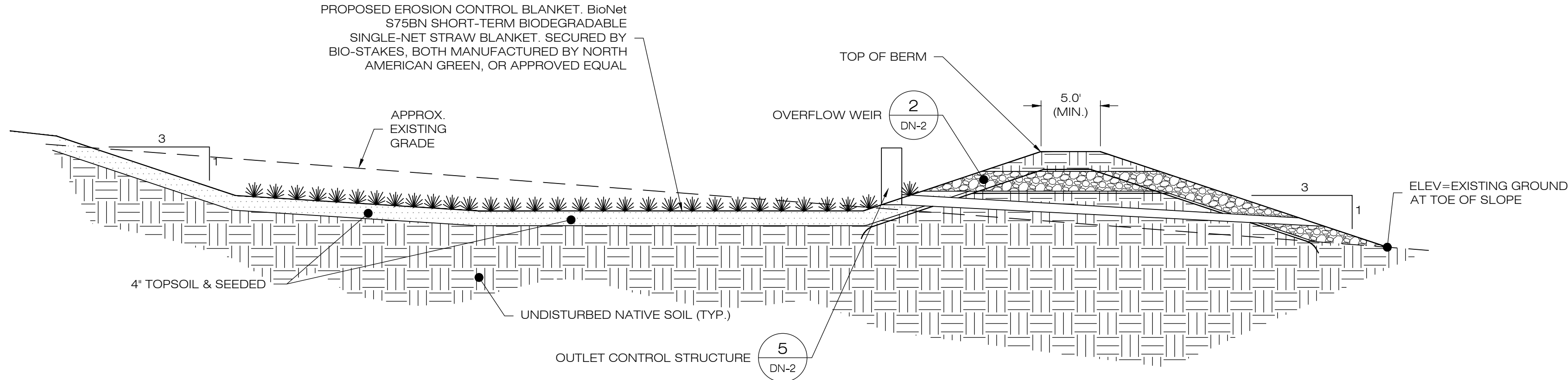
ELLINGTON SOLAR  
SITE 24 MIDDLE ROAD  
ADDRESS: ELLINGTON, CT  
APT FILING NUMBER: CT481690  
DRAWN BY: CSH  
DATE: 12/20/22  
CHECKED BY: TEL

SHEET TITLE:  
**SITE DETAILS**

SHEET NUMBER:  
**DN-1**

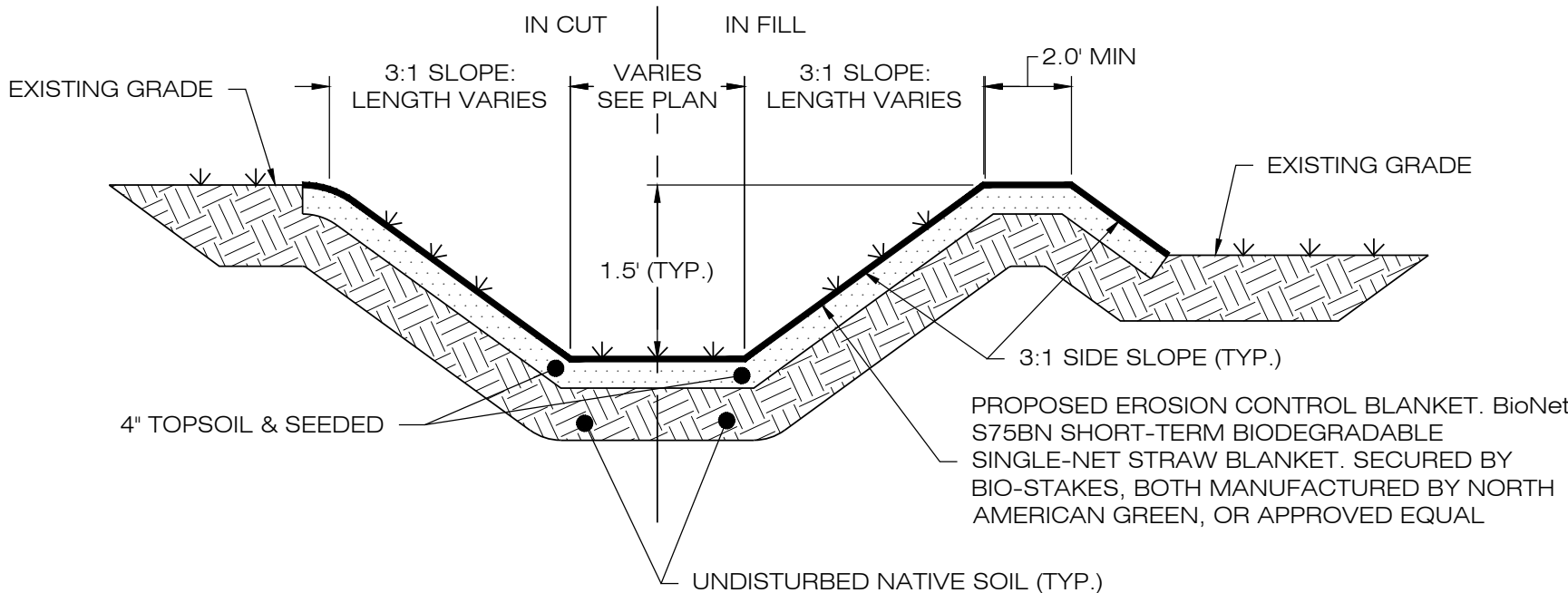






- NOTES:
- SEED MIX TO BE NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND NEW ENGLAND EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.
  - FOR CONVERTING TEMPORARY SEDIMENT BASIN TO INFILTRATION BASIN, REMOVE BAFFLES, CLEAN OUT SEDIMENT, RESHAPE AS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

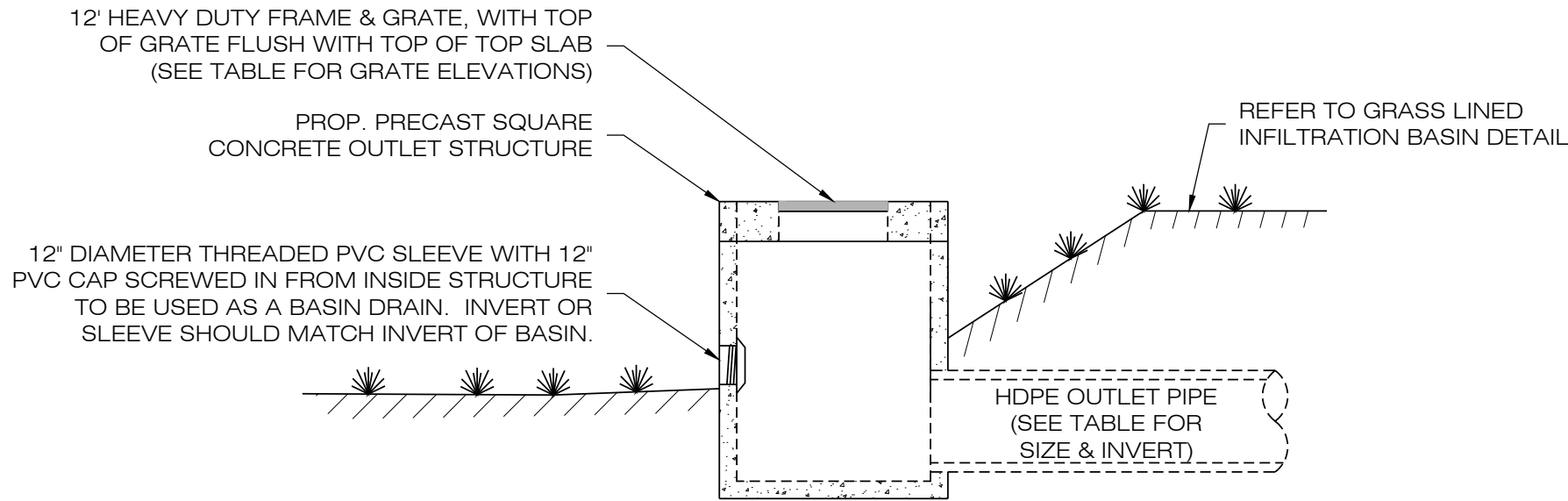
1 **GRASS LINED INFILTRATION BASIN**  
DN-2 SCALE : N.T.S.



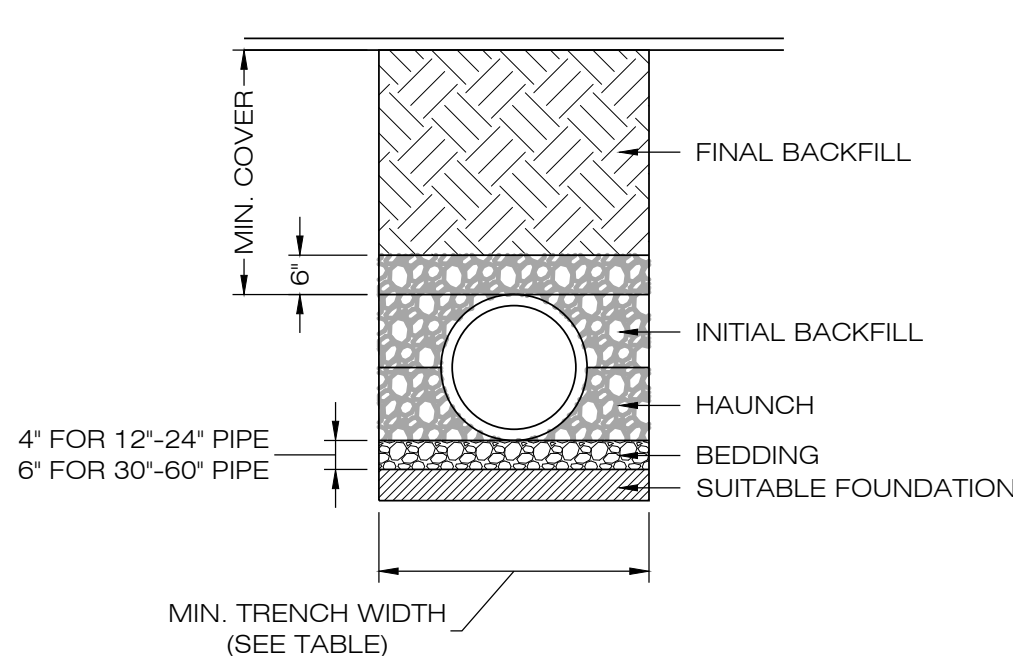
- NOTES:
- SEED MIX TO BE NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND NEW ENGLAND EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.
  - IF DEPTH VARIES FROM 1.5', SEE PLAN CALLOUTS.

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

| HDPE OUTLET PIPE SIZING TABLE |                  |                        |                         |                       |  |                                  |
|-------------------------------|------------------|------------------------|-------------------------|-----------------------|--|----------------------------------|
| BASIN                         | GRATE 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) |
| WESTERN                       | 253.0'           | 12"                    | 23.0'                   | 2.17%                 | 251.5'                                   | 251.0'                           |
| EASTERN                       | 248.0'           | 12"                    | 23.0'                   | 2.17%                 | 246.5'                                   | 246.0'                           |



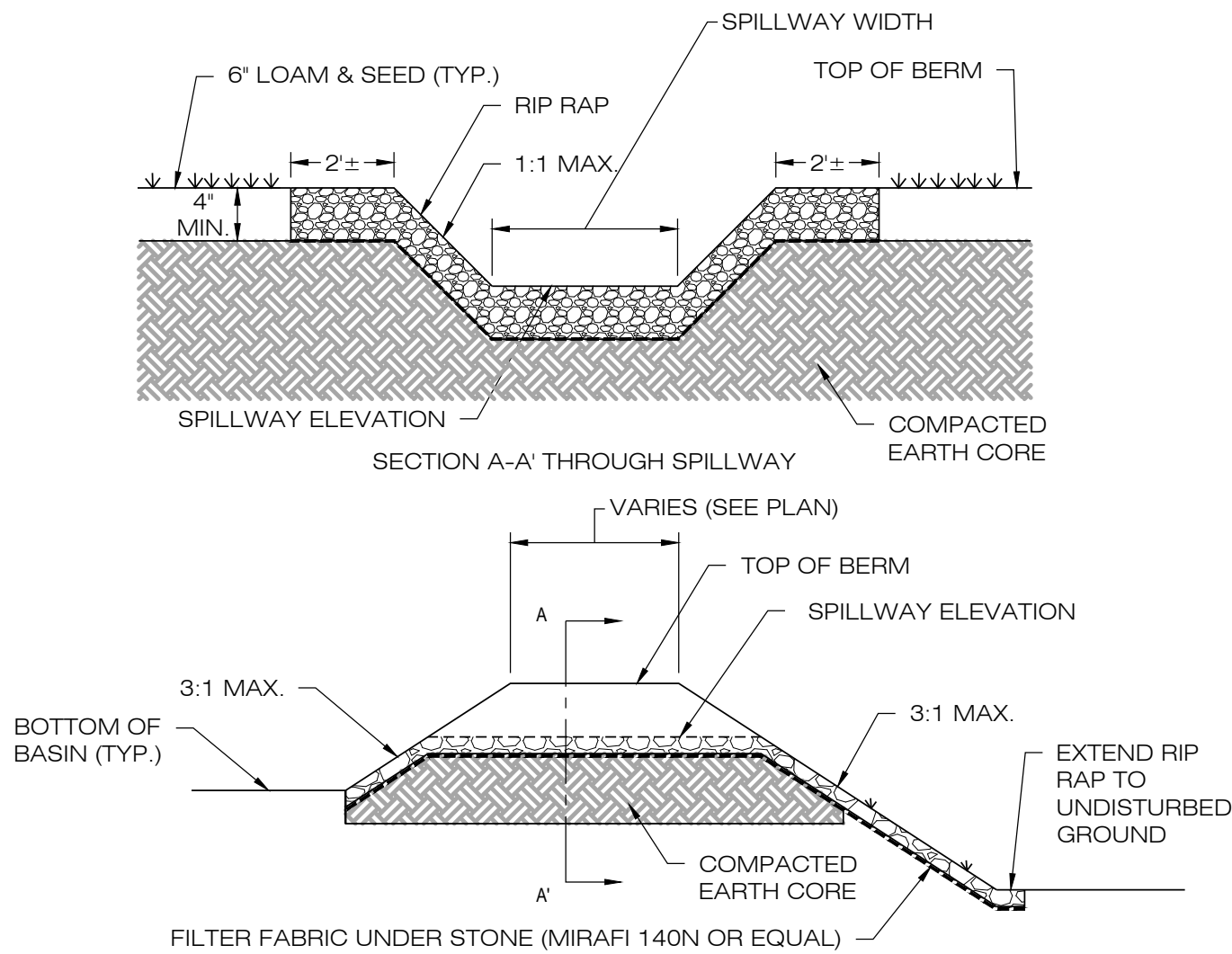
4 **OUTLET CONTROL STRUCTURE**  
DN-2 SCALE : N.T.S.



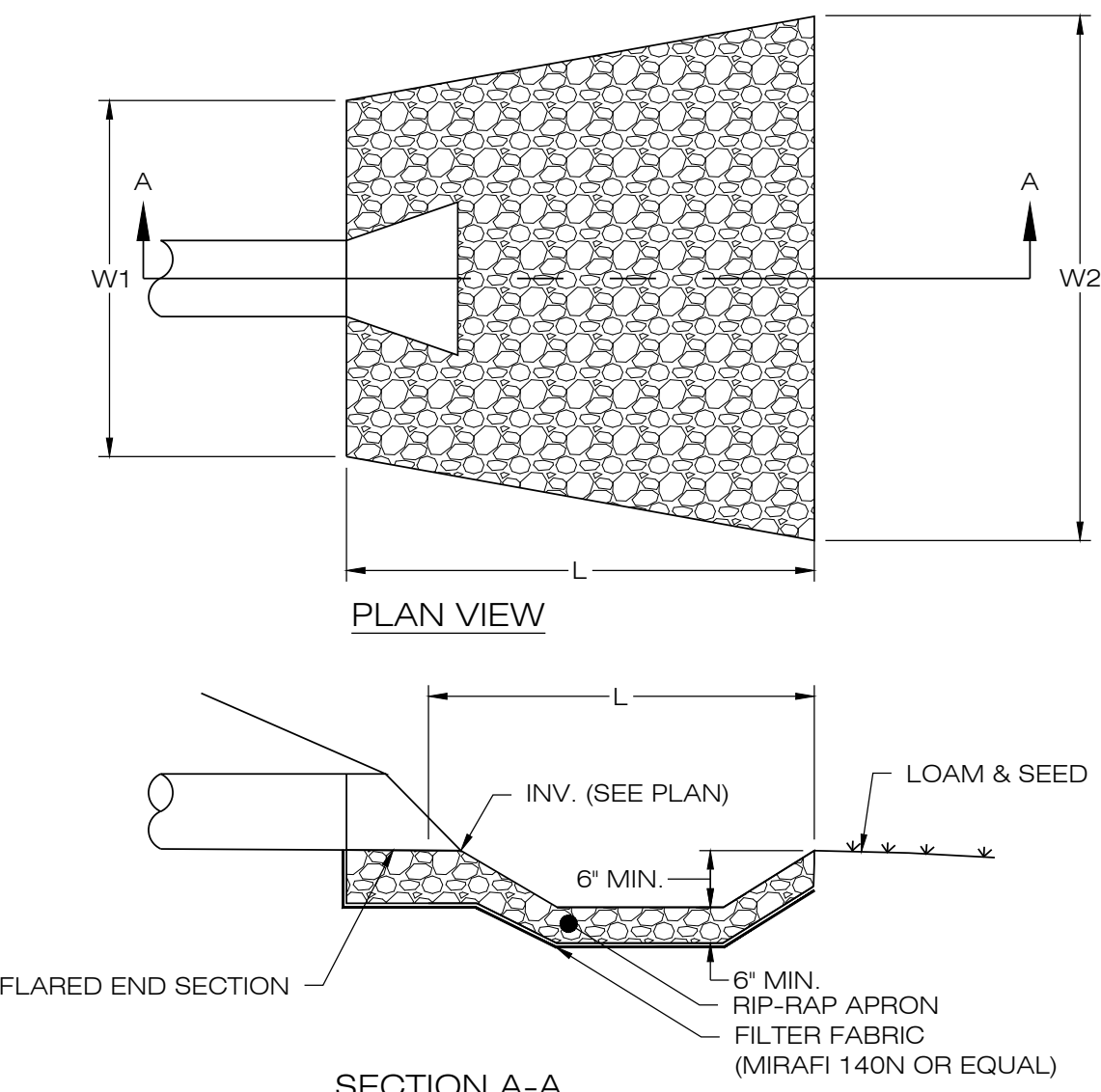
| RECOMMENDED MIN. TRENCH WIDTH |                   |
|-------------------------------|-------------------|
| PIPE DIA.                     | MIN. TRENCH WIDTH |
| 6"                            | 23"               |
| 8"                            | 26"               |
| 10"                           | 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 ADDITION.
  - 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.

| FLARED END SECTION SIZING |             |              |             |
|---------------------------|-------------|--------------|-------------|
| BASIN                     | MIN. L (FT) | MIN. W1 (FT) | MIN W2 (FT) |
| WESTERN                   | 15          | 3.75         | 9.7         |
| EASTERN                   | 7.4         | 3.0          | 8.2         |

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PERMIT SET

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ELLINGTON SOLAR

SITE ADDRESS: 24 MIDDLE ROAD  
ELLINGTON, CT

APT FILING NUMBER: CT481690

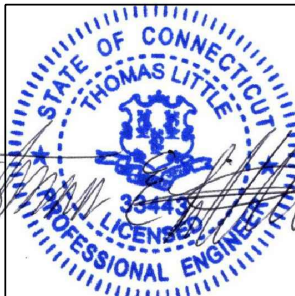
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DATE: 12/20/22  
CHECKED BY: TEL

SHEET TITLE:

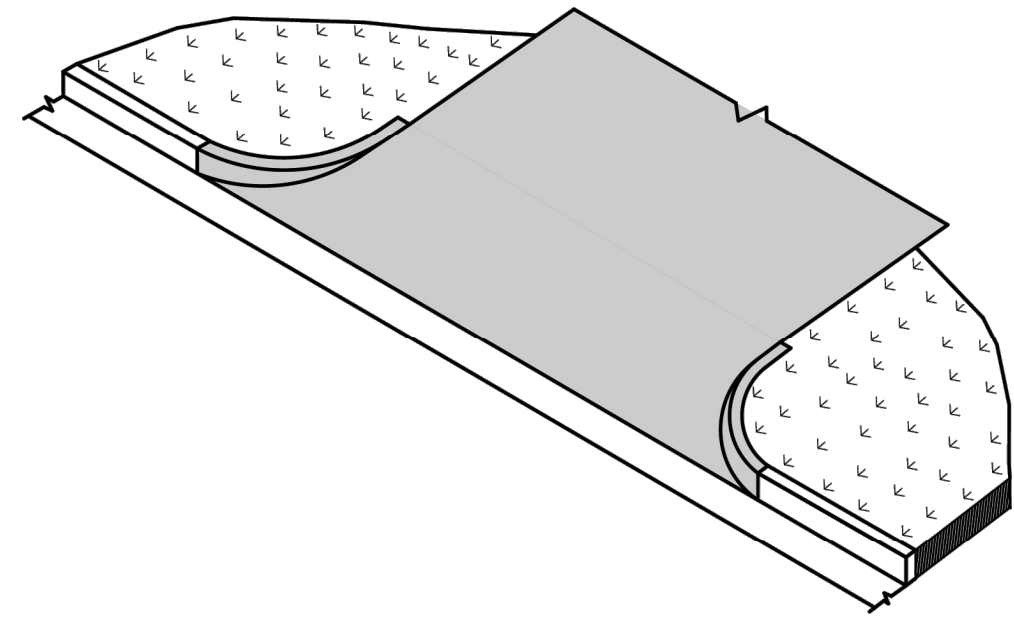
SITE DETAILS

SHEET NUMBER:

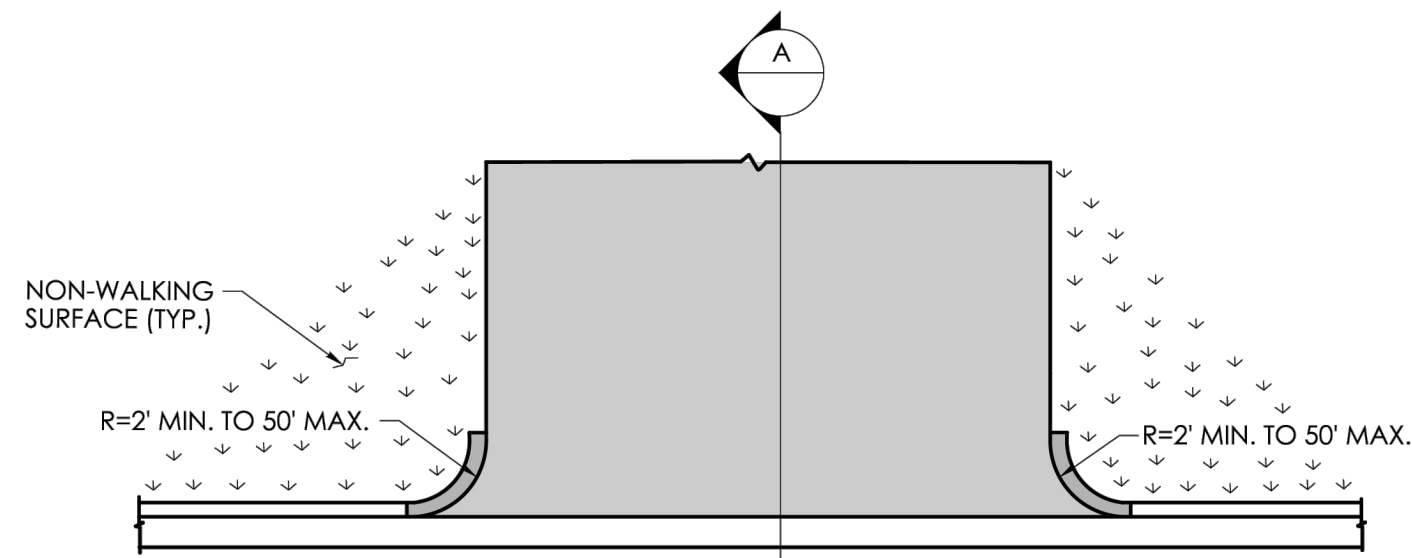
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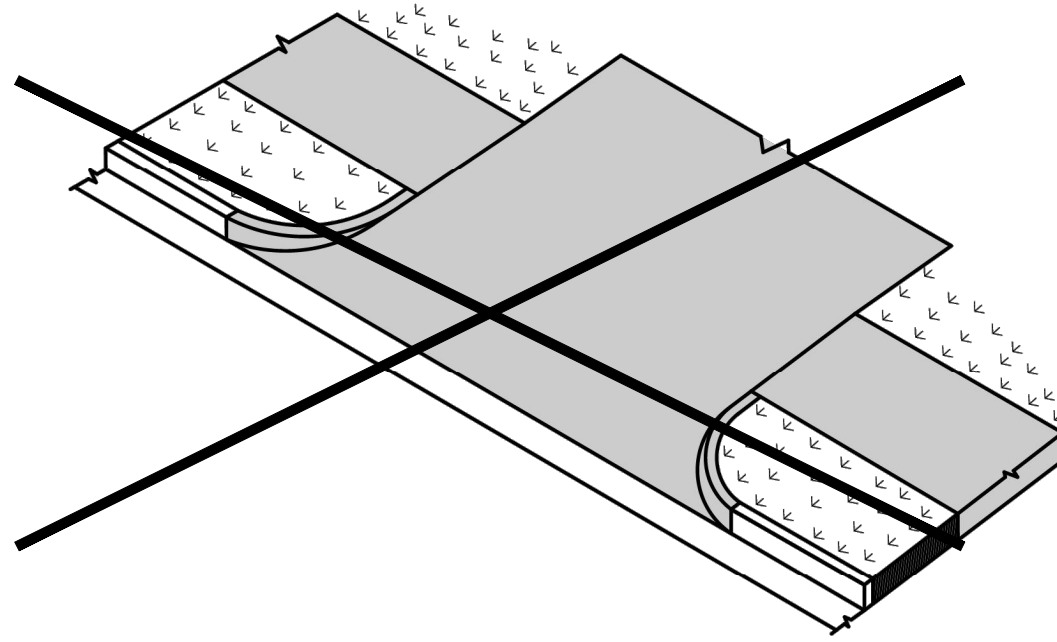




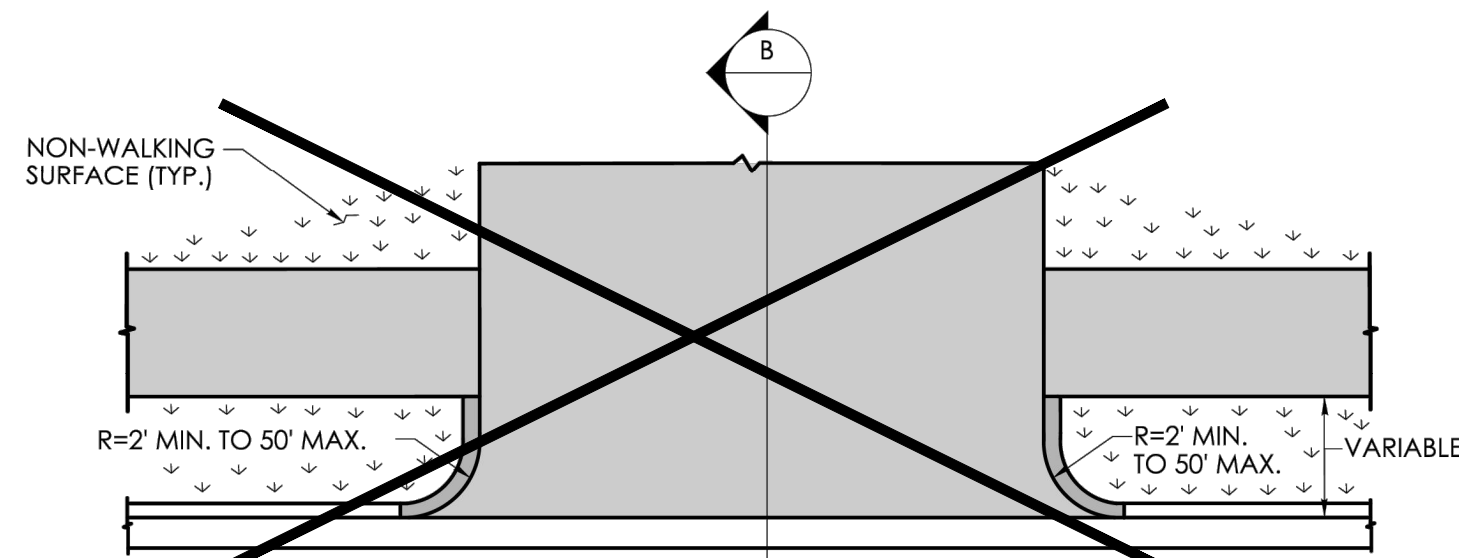
BITUMINOUS CONCRETE DRIVEWAY



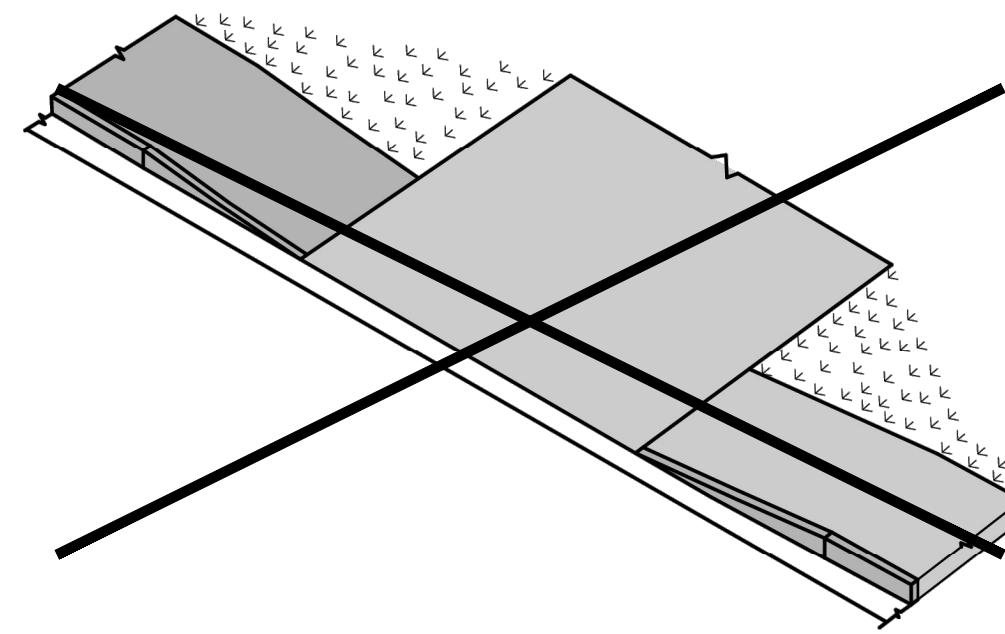
PLAN



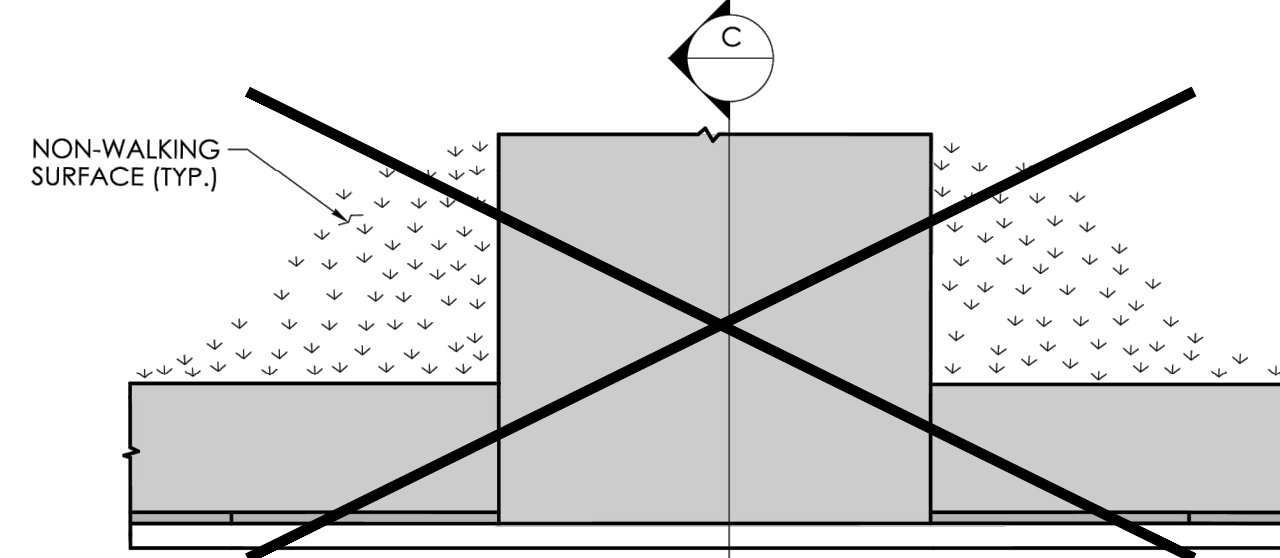
BITUMINOUS CONCRETE DRIVEWAY  
WITH A PEDESTRIAN SIDEWALK SETBACK



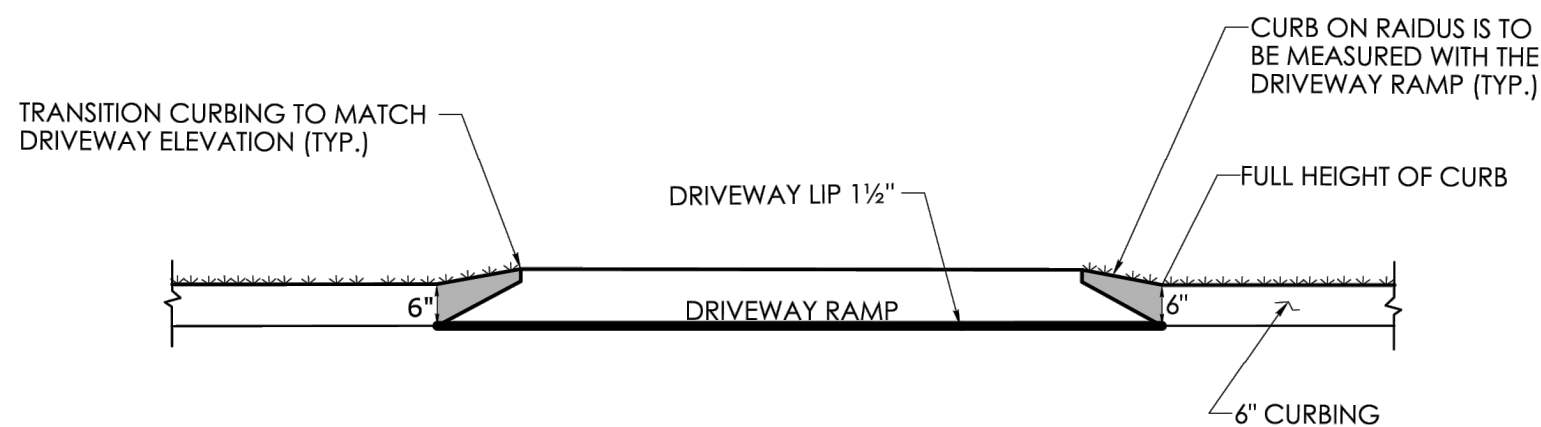
PLAN



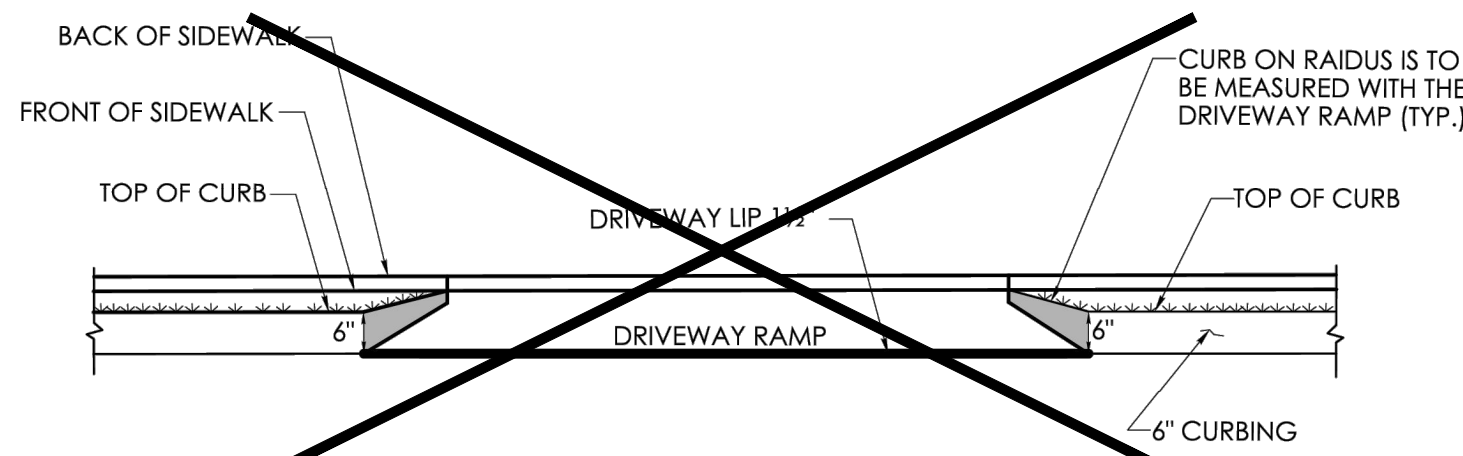
BITUMINOUS CONCRETE DRIVEWAY  
WITH PEDESTRIAN SIDEWALK AT THE CURB



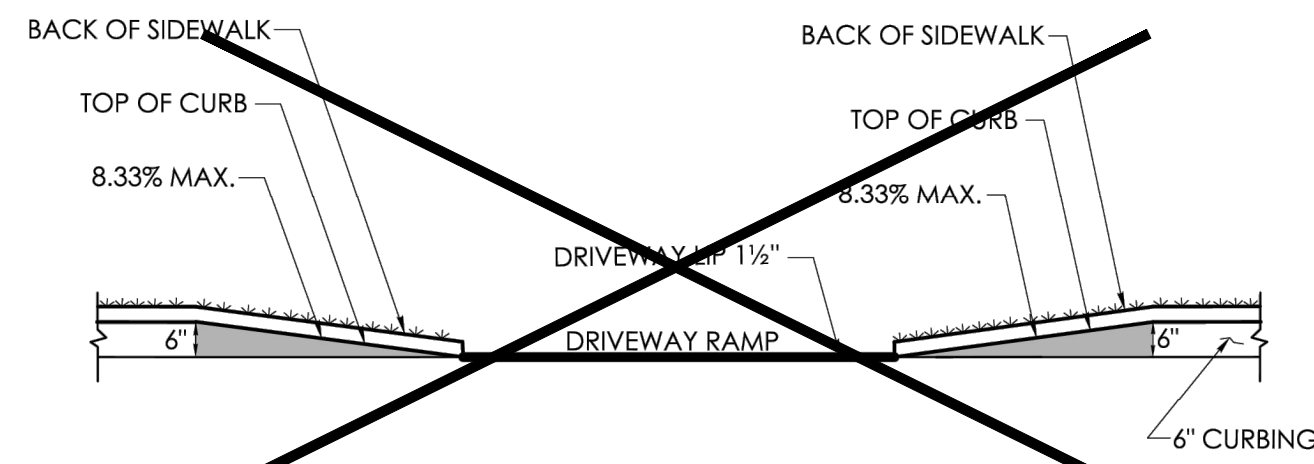
PLAN



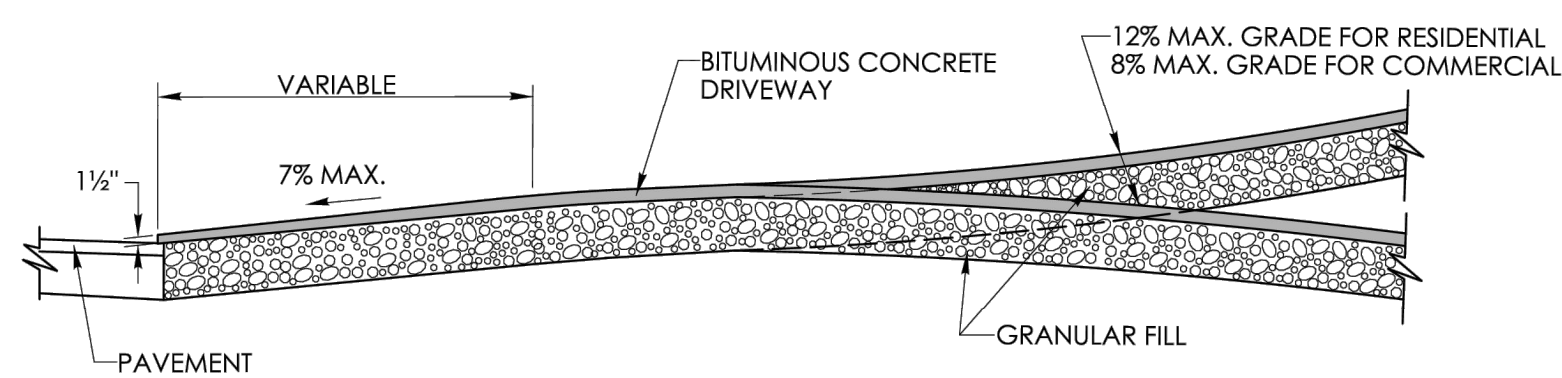
ELEVATION



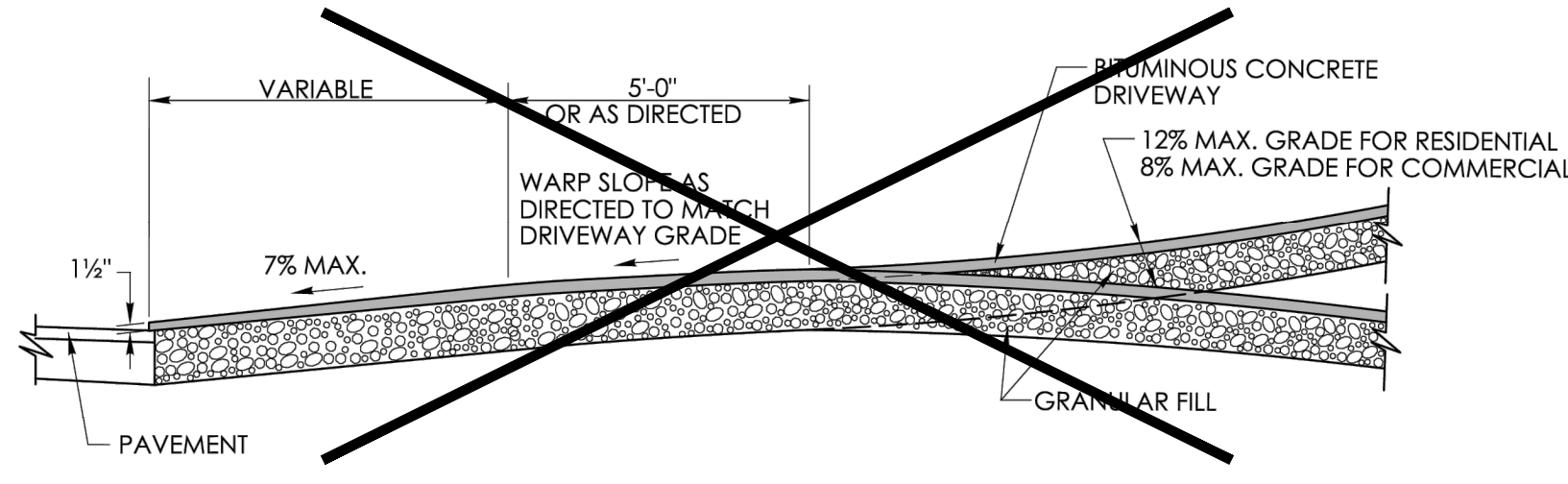
ELEVATION



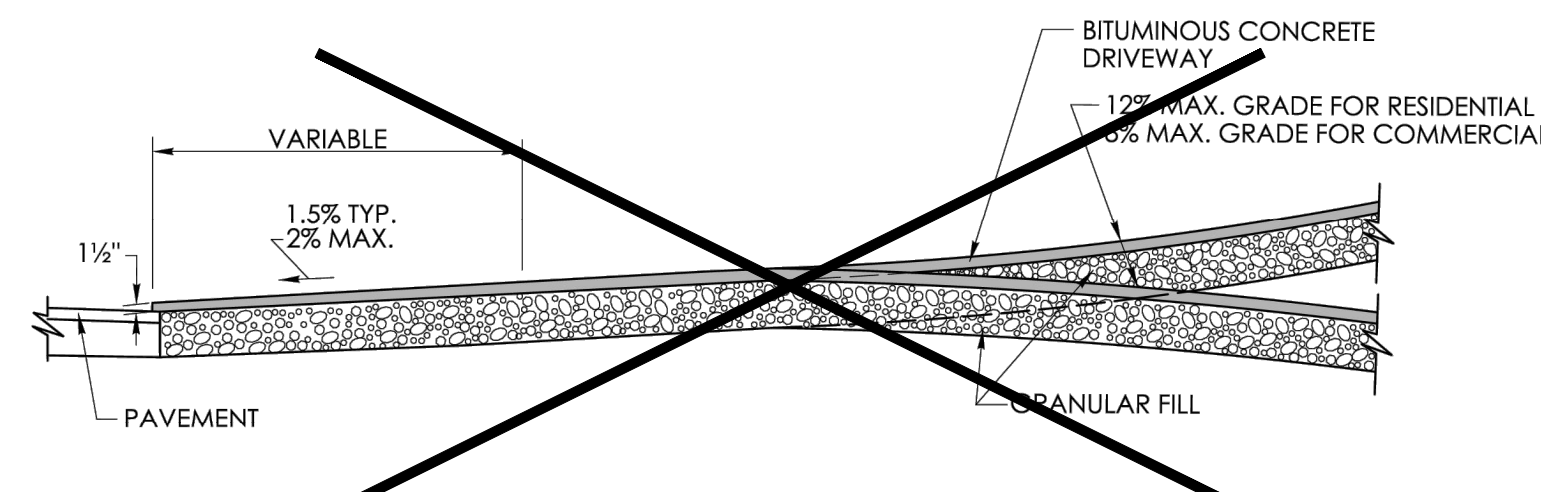
ELEVATION



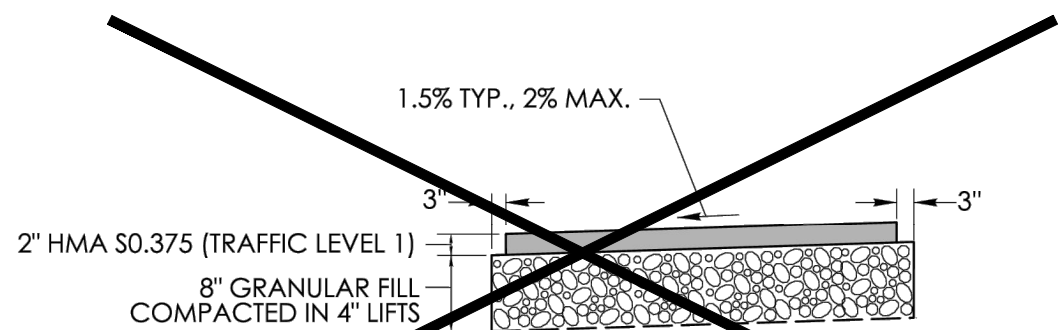
SECTION A



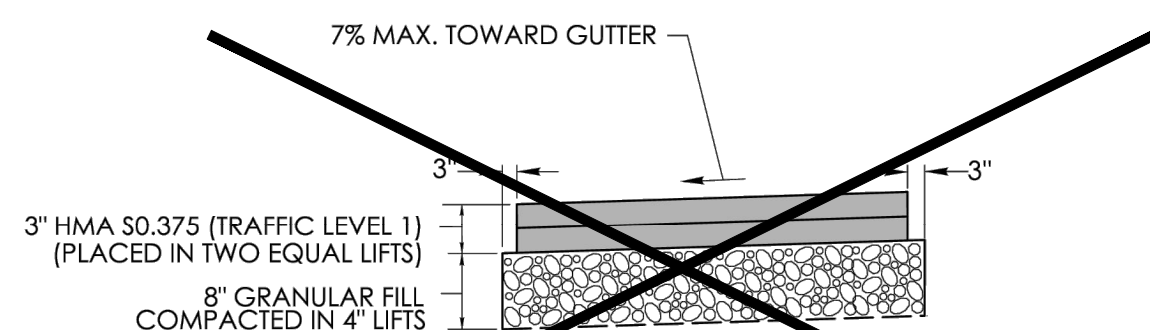
SECTION B



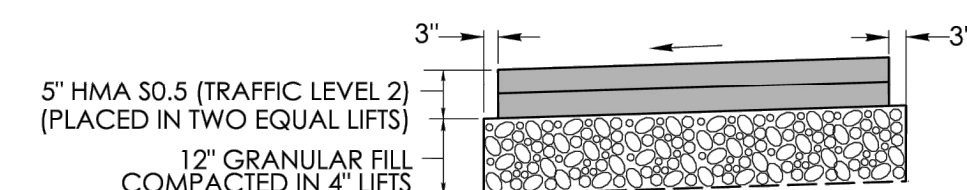
SECTION C



BITUMINOUS CONCRETE SIDEWALK



BITUMINOUS CONCRETE DRIVEWAY



COMMERCIAL  
BITUMINOUS CONCRETE DRIVEWAY

NOT TO SCALE

SIGNATURE BLOCK:  
OFFICE OF ENGINEERING  
2800 BERLIN TURNPIKE  
NEWINGTON, CT 06111

SUBMITTED BY:  
Digitally signed by  
Leo Fontaine, P.E.  
Date: 2024.12.19  
15:11:01-05'00'

APPROVED BY:  
Digitally signed by  
Michael N. Calabrese, P.E.  
Date: 2025.01.29  
12:47:54-05'00'



CONNECTICUT  
DEPARTMENT OF  
TRANSPORTATION

CTDOT  
STANDARD SHEET

STANDARD SHEET TITLE:  
BITUMINOUS CONCRETE SIDEWALK AND  
BITUMINOUS CONCRETE DRIVEWAY

STANDARD SHEET NO.:  
HW-922\_01

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



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-863-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-863-0935

PERMIT SET

| NO | DATE     | REVISION                  |
|----|----------|---------------------------|
| 0  | 12/20/22 | FOR REVIEW: KAM           |
| 1  | 05/03/23 | REV. POLE LAYOUT: RCB     |
| 2  | 11/14/24 | REV. ARRAY & POLES: UKA   |
| 3  | 01/09/25 | REV. EQUIP. & POLES: UKA  |
| 4  | 02/17/25 | REV. EQUIP. & ACCESS: UKA |
| 5  | 03/06/25 | REV. EQUIP. & POLES: UKA  |
| 6  | 03/20/25 | REV. PER DOT: UKA         |
| 7  | 04/07/25 | CSC INTERROGATORIES: UKA  |

DESIGN PROFESSIONAL OF RECORD

PROF: THOMAS E. LITTLE, 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: CT481690

DRAWN BY: CSH  
DATE: 12/20/22  
CHECKED BY: TEL

SHEET TITLE:

CTDOT  
DETAILS

SHEET NUMBER:

DN-3

