

**From:** Daniel Hatab <daniel.hatab@ramapocom.com>  
**Sent:** Wednesday, March 17, 2021 9:52 AM  
**To:** CSC-DL Siting Council <Siting.Council@ct.gov>  
**Cc:** Andrew Jusino <andrew.jusino@ramapocom.com>; Matthew Schlosser <matthew.schlosser@ramapocom.com>; Joseph Vandegriff <joseph.vandegriff@ericsson.com>  
**Subject:** EM-CING-064-200716 (CSC AT&T CTL05127)

Good Morning,

The site below has been completed on 2/25, CSC letter is attached for reference. Site was built as per plans and structural analysis, no deviations

AT&T Site: CTL05127  
Address: 99 Meadow Street, Hartford CT

Thank You,

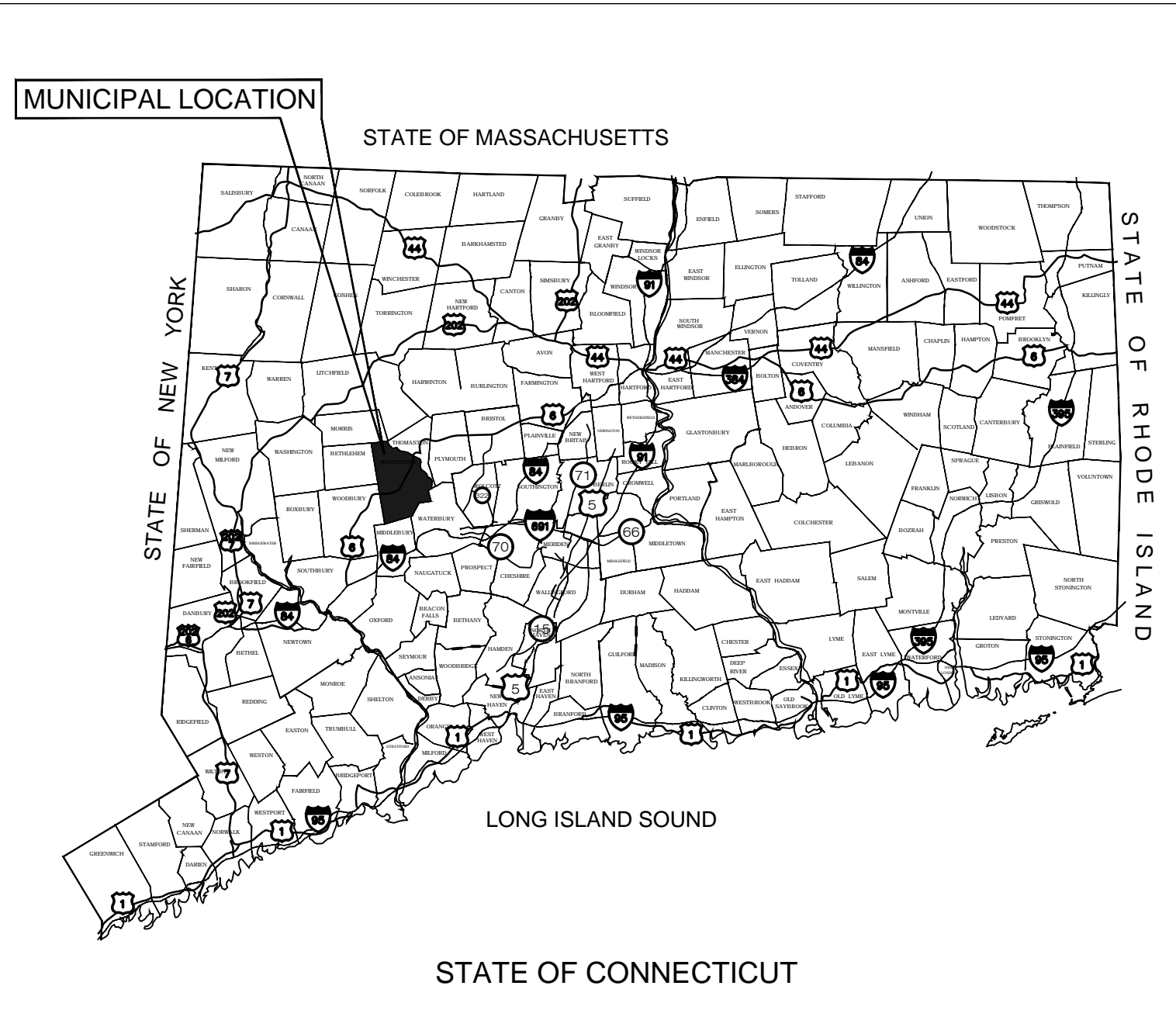
**Daniel Hatab**

[daniel.hatab@ramapocom.com](mailto:daniel.hatab@ramapocom.com)

*20 Romanelli Ave, S. Hackensack, NJ 07606*

Cell Phone: (201) 742-1070

Office Phone: (201) 343-2995



# WATERTOWN SOLAR ONE, LLC

## "WATERTOWN SOLAR ONE, LLC"

### HINMAN ROAD & PLATT ROAD WATERTOWN, CT 06795

## CSC D&M PLAN SET DECEMBER 30, 2020

**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103

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

**APPROVED FOR CONSTRUCTION**

NO	DATE	REVISION
0	12/30/20	D&M PLANS: BJP
1	03/17/21	CLIENT REVS: BJP
2		
3		
4		
5		
6		

**DESIGN PROFESSIONAL OF RECORD**

**PROF: BRADLEY J. PARSONS, P.E.**  
 COMP: ALL-POINTS TECHNOLOGY CORPORATION  
 ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385  
 OWNER: CATHOLIC CEMETERIES  
 ADDRESS: 669 PLATT ROAD  
 WATERTOWN, CT 06795

**WATERTOWN SOLAR ONE, LLC**

**SITE** HINMAN ROAD & PLATT ROAD  
**ADDRESS:** WATERTOWN, CT 06795  
**APT FILING NUMBER:** CT590240  
**DRAWN BY:** CSH  
**DATE:** 12/30/20 **CHECKED BY:** BJP

**SHEET TITLE:**  
**TITLE SHEET & INDEX**

**SHEET NUMBER:**  
**T-1**

**LIST OF DRAWINGS**

- T-1 TITLE SHEET & INDEX**
- 1 & 2 OF 2 PROPERTY AND TOPOGRAPHIC SURVEY**
- GN-1 GENERAL NOTES**
- GN-2 ENVIRONMENTAL NOTES RESOURCE PROTECTION MEASURES**
- OP-0 OVERALL LOCUS MAP**
- OP-1 PARTIAL SITE PLAN**
- EC-1 SEDIMENTATION & EROSION CONTROL NOTES**
- EC-2 SEDIMENTATION & EROSION CONTROL DETAILS**
- EC-3 TO EC-5 PHASE 1 SEDIMENTATION & EROSION CONTROL PLANS**
- EC-6 TO EC-8 PHASE 2 SEDIMENTATION & EROSION CONTROL PLANS**
- EC-9 TO EC-11 PHASE 3 FINAL GRADING & DRAINAGE PLANS**
- SP-1 TO SP-3 SITE & UTILITY PLANS**
- DN-1 SITE DETAILS**
- DN-2 SITE DETAILS**

**SITE INFORMATION**

**SITE NAME:** "WATERTOWN SOLAR ONE, LLC"  
**LOCATION:** HINMAN ROAD & PLATT ROAD  
 WATERTOWN, CT 06795

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

**PROPERTY OWNER:** CATHOLIC CEMETERIES  
 669 PLATT ROAD  
 WATERTOWN, CT 06795

**APPLICANT:** WATERTOWN SOLAR ONE, LLC  
 150 TRUMBULL STREET, 4TH FLOOR  
 HARTFORD, CT 06103

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

**LATITUDE:** 41°36'51.98" N  
**LONGITUDE:** 73°09'01.63" W  
**ELEVATION:** 800± AMSL

**MBLU:** 59-9-2 & 67-9-3  
**ZONE:** R-70  
**EXISTING LAND USE:** RESIDENTIAL - CEMETERY  
**PROPOSED LAND USE:** COMMUNICATIONS, TRANSPORTATION AND PUBLIC UTILITY USES  
 - LARGE SCALE GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS

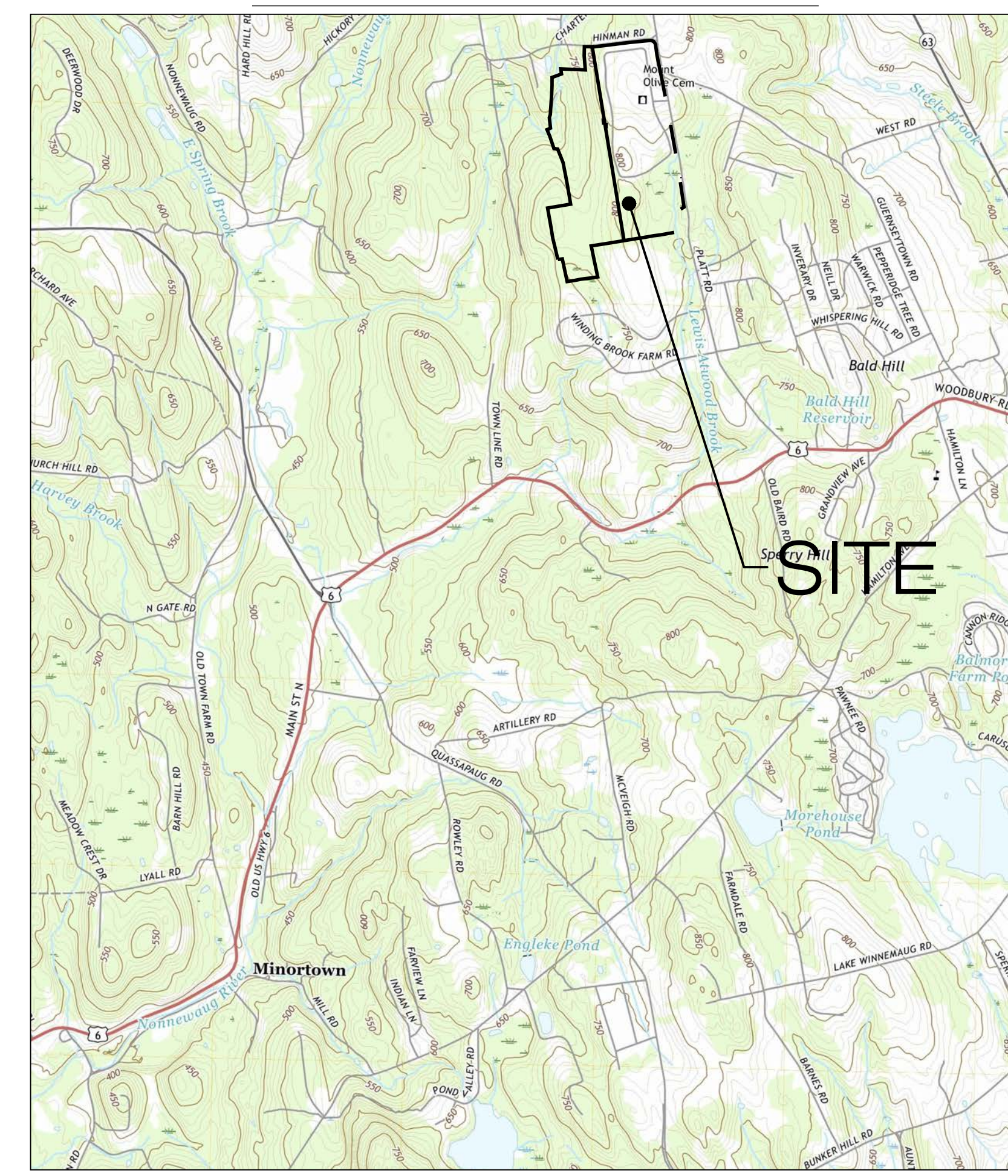
**TOTAL SITE ACERAGE:** 154.3± AC.  
**TOTAL DISTURBED AREA:** 16.70± AC.

**PROP. SITE GRADING**  
**APPROX. VOLUME OF CUT :** 14,015± CY  
**APPROX. VOLUME OF FILL:** 14,015± CY

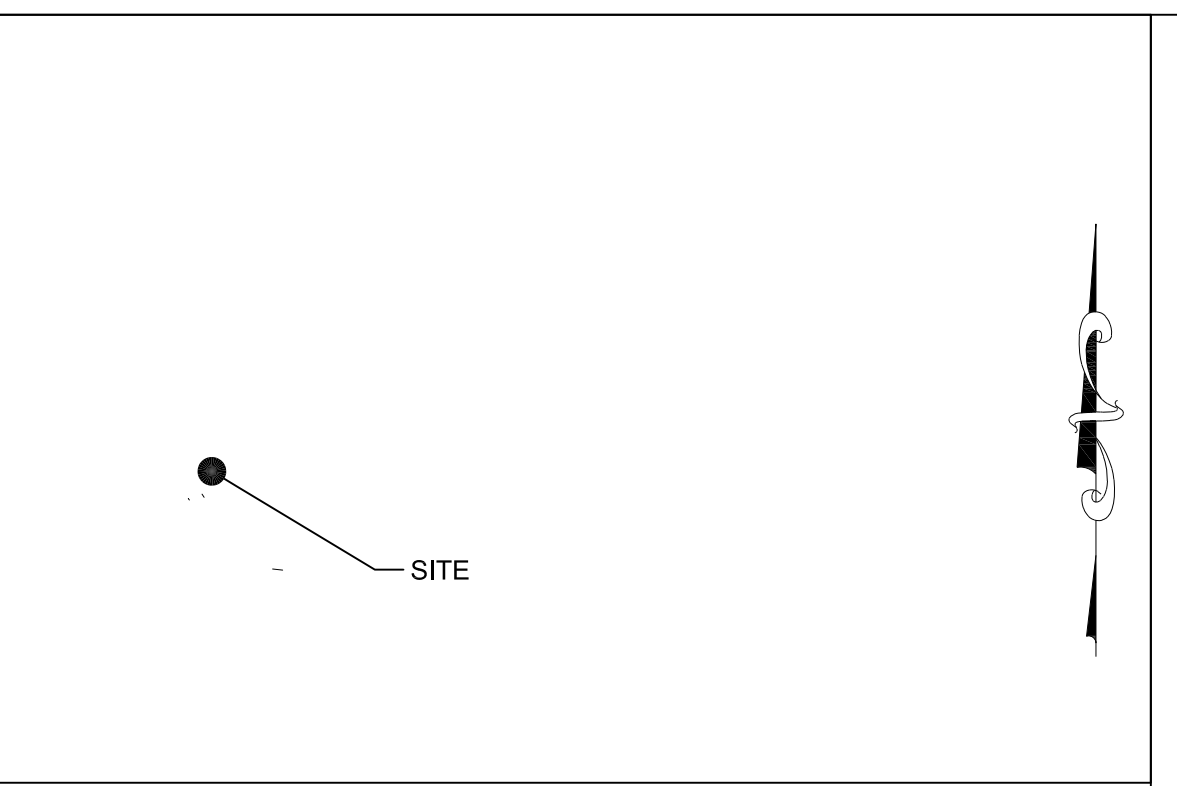
**APPROX. OVERALL NET VOLUME:** 0± CY OF FILL

**PROP. GRAVEL ACCESS ROAD:** 940± LINEAR FEET  
**PROP. FILTER SOCK:** 7,950± LINEAR FEET  
**TREE CLEARING AREA:** 14.16± ACRE  
**IMPERVIOUS AREA:** 15,817± SQUARE FEET

**USGS TOPOGRAPHIC MAP**



**SCALE :** 1" = 2000± **SOURCE:** USGS 7.5 BRISTOL QUADRANGLE, CT 2012



- MAP NOTES:**
- THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED JUNE 21, 1996; AMENDED OCTOBER 26, 2018.
  - THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY AND TOPOGRAPHIC SURVEY.
  - THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY. THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY. THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY.
  - THE PROPERTY/BOUNDARY LINES DEPICTED HEREON CONFORM TO A CLASS 'D' AND HAVE BEEN COMPILED FROM RECORD MAPS, LIMITED RESEARCH, AND LIMITED FIELD MEASUREMENTS. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE.
  - ACCESS TO PUBLIC RECORDS HAS BEEN LIMITED DUE TO THE COVID-19 PANDEMIC OF 2020. FURTHER RESEARCH AND A RE-EVALUATION OF THE BOUNDARY/PROPERTY LINES DEPICTED HEREON IS RECOMMENDED AT A LATER DATE WHEN SAID RECORDS BECOME AVAILABLE.
  - THE GROUND RELIEF CONTOURS AND SPOT ELEVATIONS DEPICTED HEREON ARE BASED UPON THE ORTHOPHOTOGRAPHY LIDAR DATA SET OF 2016 BY THE STATE OF CONNECTICUT AVAILABLE AT CTECO.UCONN.EDU
  - THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) USING GEOID 12B. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON MARCH 9, 2020, USING THE CT DOT RTK NETWORK KNOWN AS ACORN (CTBR BASE), HAVING THE FOLLOWING VALUES:  
 LATITUDE = N 41° 29' 49.86427"  
 LONGITUDE = W 73° 25' 05.67391"  
 ELLIPSOID HEIGHT = 53.32M
  - UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON ARE BASED UPON OBSERVABLE EVIDENCE WHILE CONDUCTING THE FIELD SURVEY. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE WHICH IS UNKNOWN TO MARTIN SURVEYING ASSOCIATES, LLC. ALL CONTRACTORS ARE REQUIRED TO CONTACT CALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.
  - THE WETLANDS DEPICTED HEREON ARE BASED UPON A DELINEATION CONDUCTED ON NOVEMBER 16, 2019 AND NOVEMBER 19, 2019 BY ALL-POINTS TECHNOLOGY CORPORATION.

- MAP REFERENCES:**
- "RECORD SUBDIVISION MAP, SCHIENDA FARM SUBDIVISION, HINMAN ROAD, WATERTOWN, CONNECTICUT" (SHEET 1 OF 5) SCALE: 1"=100'; DATED: JUNE 22, 2016; BY: ROBERT GREEN ASSOCIATES, LLC.
  - "PROPERTY SURVEY, MAP SHOWING REVISION TO LOT LINE, LANDED OWNED BY JOSEPH SCHIENDA AND LAND OWNED BY JOSEPH L. AND ROBERTA S. SCHIENDA, HINMAN ROAD, WATERTOWN, CONNECTICUT" (SHEET 2 OF 2) SCALE: 1"=100'; DATED: APRIL 25, 2014; BY ROBERT GREEN ASSOCIATES, LLC.

\*SEE NOTE 5

**SUBJECT PARCEL**  
 LAND OF  
 CATHOLIC CEMETERIES  
 VOLUME 350 PAGE: 54  
 VOLUME 846 PAGE 191



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

DEAN MARTIN  
 70147  
 LICENSE NO.

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED LICENSED PROFESSIONAL, UNAUTHORIZED ALTERATIONS TO THIS PLAN RENDER THE DECLARATION HEREON NULL AND VOID.

**LEGEND:**

○ IRON PIN (FOUND)	△ SIGN
● Rebar/Drill Hole (To Be Set)	○ POST
□ MONUMENT (FOUND)	○ LIGHT POLE
⊙ MANHOLE	○ GUY ANCHOR
⊕ DRAINAGE MANHOLE	○ UTILITY POLE
⊙ SANITARY MANHOLE	○ WATER GATE
⊙ ELEC. MANHOLE	○ WATER METER
⊙ TELE. MANHOLE	○ GAS VALVE
■ "C" CATCH BASIN	○ GAS METER
□ "C-L" CATCH BASIN	○ TRANSFORMER
○ DECIDUOUS TREES	○ ELEC. METER
★ EVERGREEN TREES	○ MAIL BOX
○ SHRUB/BUSH	○ HAND HOLE
○ FLAG POLE	○ BUTTON BOX
⊠ TRAFFIC CONTROL BOX	○ A.C. UNIT
○< TRAFFIC LIGHT POLE	○< TRAFFIC LIGHT POLE

---	BOUNDARY LINE
---	GUARD RAIL
---	UNDERGROUND PIPING (San.,Stm.)
---	U/G GAS LINE
---	U/G ELEC. LINE
---	WATER LINE
---	OVERHEAD UTILITIES
---	U/G TELE. LINE
---	CHAIN LINK FENCE
---	TREE LINE

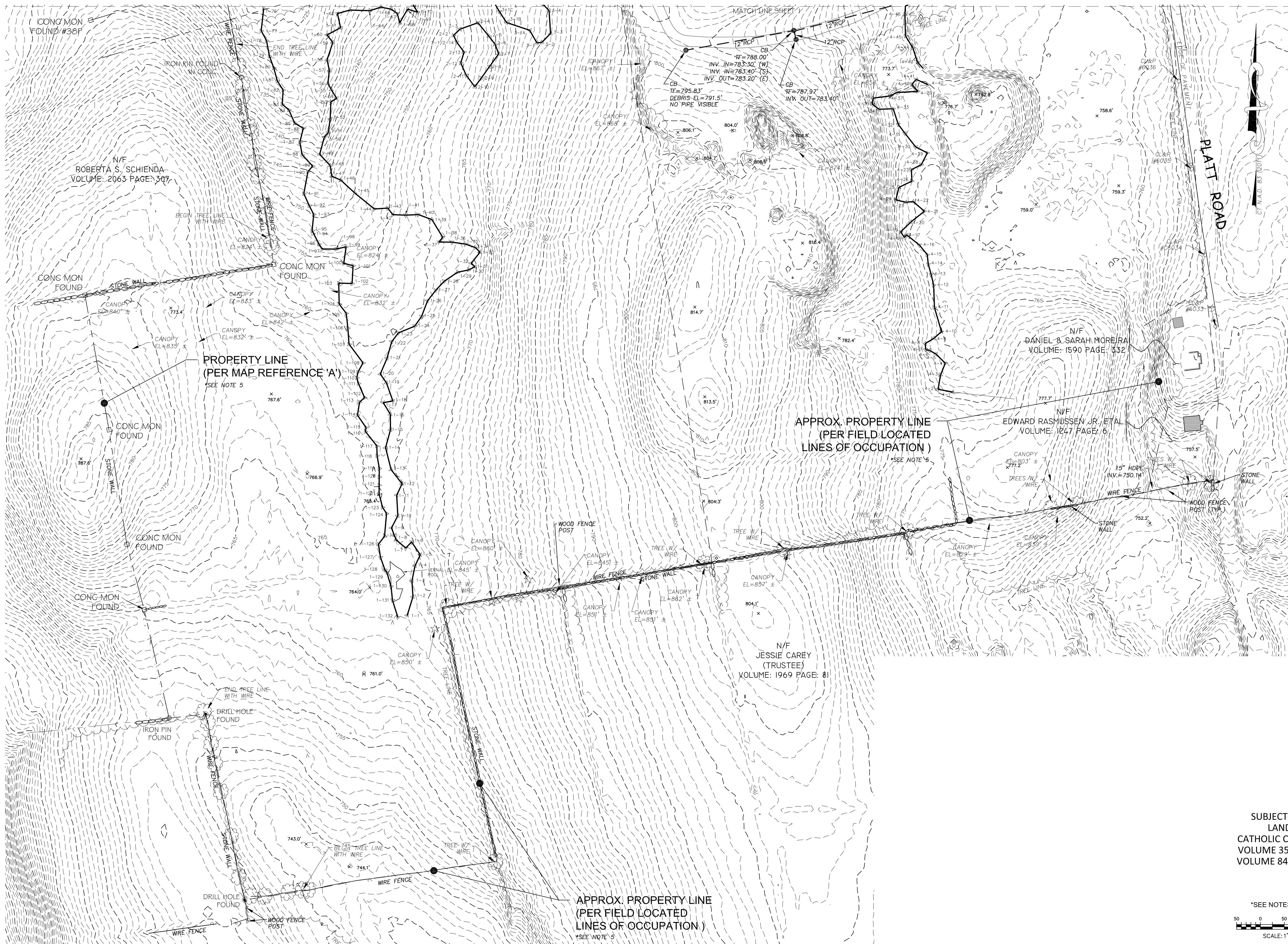
**Martin**  
 Surveying Associates, LLC

201 CHRISTIAN LANE BERLIN, CT 06037  
 860-832-9328 860-357-4604 (FAX)

**REVISIONS:**

**PROPERTY AND TOPOGRAPHIC SURVEY**  
**LAND OF**  
**CATHOLIC CEMETERIES ASSOCIATION OF THE**  
**ARCHDIOCESE OF HARTFORD, INC.**  
 PREPARED FOR  
**WATERTOWN SOLAR ONE, LLC**  
**HINMAN ROAD & PLATT ROAD**  
**WATERTOWN, CONNECTICUT**

MSA PROJECT NO: 20-016	
SCALE: 1"=100'	DRAWN BY: G.S.D.
DATE: 4/13/2020	CHECKED BY: D.G.M.
SHEET:	
1 OF 2	



- LEGEND:**
- IRON PIN (FOUND)      △ SIGN
  - Rebar/Drill Hole (To Be Set)      ○ POST
  - MONUMENT (FOUND)      ✕ LIGHT POLE
  - ⊙ MANHOLE      ✕ GUY ANCHOR
  - ⊕ DRAINAGE MANHOLE      ✕ UTILITY POLE
  - ⊕ SANITARY MANHOLE      WC WATER GATE
  - ⊕ ELEC. MANHOLE      WC WATER METER
  - ⊕ TELE. MANHOLE      GY GAS VALVE
  - "C" CATCH BASIN      GY GAS METER
  - "C-L" CATCH BASIN      ELEC. METER
  - DECIDUOUS TREES      Ⓜ TRANSFORMER
  - ★ EVERGREEN TREES      Ⓜ ELEC. METER
  - ☀ SHRUB/BUSH      Ⓜ MAIL BOX
  - ⚑ FLAG POLE      □ HAND HOLE
  - Ⓜ TRAFFIC CONTROL BOX      □ BUTTON BOX
  - ⚡ A.C. UNIT      Ⓜ A.C. UNIT
  - ⚡ TRAFFIC LIGHT POLE

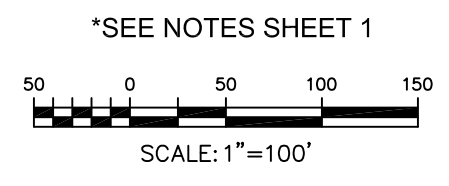
**M**  
**martin**  
**Surveying Associates, LLC**

201 CHRISTIAN LANE BERLIN, CT 06037  
860-832-9328 860-357-4604 (FAX)

REVISIONS:

**PROPERTY AND TOPOGRAPHIC SURVEY  
LAND OF  
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PREPARE FOR  
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VOLUME 350 PAGE: 54  
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TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

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MSA PROJECT NO: 20-016	
SCALE: 1"=100'	DRAWN BY: G.S.D.
DATE: 4/13/2020	CHECKED BY: D.G.M.
SHEET:	
<b>2 OF 2</b>	

## GENERAL NOTES

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

## SITE PLAN NOTES

- THE SURVEY WAS PROVIDED BY MARTIN SURVEYING ASSOCIATES, LLC DATED 04/13/20.
- THERE ARE WETLAND AREAS LOCATED ON THE SITE AS INDICATED ON THE PLANS. WETLAND AREA BOUNDARIES WERE FLAGGED AND LOCATED BY ALL POINTS TECHNOLOGY, IN NOVEMBER 2019.
- THERE WILL BE GRADING ON SITE FOR THE INSTALLATION OF STORMWATER MANAGEMENT FEATURES.
- THE CONTRACTOR SHALL FOLLOW THE RECOMMENDED SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN OR SUBMIT AN ALTERNATE PLAN FOR APPROVAL BY THE ENGINEER AND/OR PERMITTING AGENCIES PRIOR TO THE START CONSTRUCTION. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR BVWS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. IN ADDITION, THE CONTRACTOR SHALL ADHERE TO "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY GOVERNMENT AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
- ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK, SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8' LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
- ALL DISTURBANCE INCURRED TO PUBLIC, MUNICIPAL, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF WATERTOWN AND STATE OF CONNECTICUT.
- IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT.

## UTILITY NOTES

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

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

**WATERTOWN SOLAR ONE, LLC**  
**150 TRUMBULL STREET**  
**4TH FLOOR**  
**HARTFORD, CT, 06103**



567 VAUXHAUL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385 PHONE: (860)-663-1697  
 WWW.ALLPOINTSTECH.COM FAX: (860)-663-9355

### APPROVED FOR CONSTRUCTION

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1	03/17/21	CLIENT REVS: BJP
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6		

### DESIGN PROFESSIONAL OF RECORD

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

**OWNER: CATHOLIC CEMETERIES**  
**ADDRESS: 669 PLATT ROAD**  
**WATERTOWN, CT 06795**

### WATERTOWN SOLAR ONE, LLC

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**APT FILING NUMBER: CT590240**

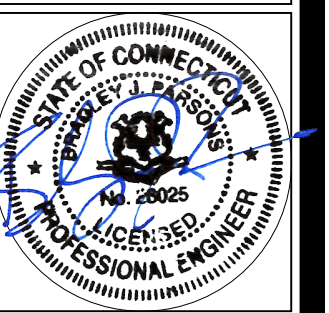
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**DATE: 12/30/20** **CHECKED BY: BJP**

### SHEET TITLE:

**GENERAL NOTES**

**SHEET NUMBER:**

**GN-1**



# ENVIRONMENTAL NOTES

## RESOURCE PROTECTION PLAN

### ENVIRONMENTAL NOTES

#### RESOURCE PROTECTION PLAN

AS A RESULT OF THE PROPOSED DEVELOPMENTS LOCATION IN THE VICINITY OF WETLANDS AND VERNAL POOL HABITATS, THE FOLLOWING BEST MANAGEMENT PRACTICES ("BMPS") ARE RECOMMENDED TO AVOID UNINTENTIONAL IMPACT TO WETLAND HABITATS OR MORTALITY TO VERNAL POOL HERPETOFAUNA (I.E., SPOTTED SALAMANDER, WOOD FROG, TURTLES, ETC.) DURING CONSTRUCTION ACTIVITIES. THIS PLAN INCLUDES ELEMENTS THAT WILL PROTECT HERPETOFAUNA SHOULD CONSTRUCTION ACTIVITIES OCCUR DURING PEAK AMPHIBIAN MOVEMENT PERIODS (EARLY SPRING BREEDING (MARCH 1ST TO MAY 15TH) AND LATE SUMMER DISPERSAL (JULY 15TH TO SEPTEMBER 15TH)) AS WELL AS WETLANDS REGARDLESS OF THE TIME OF YEAR. COMPLETE DETAILS OF THE RECOMMENDED BMPS ARE PROVIDED BELOW, WHICH WILL BE INCORPORATED INTO THE CONSTRUCTION DRAWINGS TO ENSURE THE CONTRACTOR IS FULLY AWARE OF THE PROJECT'S ENVIRONMENTALLY SENSITIVE SETTING.

A WETLAND SCIENTIST FROM ALL-POINTS TECHNOLOGY CORP. ("APT") EXPERIENCED IN COMPLIANCE MONITORING OF CONSTRUCTION ACTIVITIES WILL SERVE AS THE ENVIRONMENTAL MONITOR FOR THIS PROJECT TO ENSURE THAT THE FOLLOWING BMPS ARE IMPLEMENTED PROPERLY. THE PROPOSED RESOURCE PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS INCLUDING: ISOLATION OF THE PROJECT PERIMETER; PERIODIC INSPECTION AND MAINTENANCE OF EROSION CONTROLS AND ISOLATION STRUCTURES; HERPETOFAUNA SWEEPS; EDUCATION OF ALL CONTRACTORS AND SUB-CONTRACTORS PRIOR TO INITIATION OF WORK ON THE SITE; PROTECTIVE MEASURES; AND, REPORTING.

#### 1. EROSION AND SEDIMENTATION CONTROLS

- PLASTIC NETTING WITH LARGE MESH OPENINGS (> ¾") 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 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 WITH A MESH SIZE <¼" SUCH AS THAT TYPICALLY USED IN COMPOST FILTER SOCKS TO AVOID/MINIMIZE WILDLIFE ENTANGLEMENT.
- INSTALLATION OF EROSION AND SEDIMENTATION CONTROLS, REQUIRED FOR EROSION CONTROL COMPLIANCE AND CREATION OF A BARRIER TO POSSIBLE MIGRATING/DISPERSING HERPETOFAUNA, SHALL BE PERFORMED BY THE CONTRACTOR FOLLOWING CLEARING ACTIVITIES AND PRIOR TO ANY EARTHWORK. THE ENVIRONMENTAL MONITOR WILL INSPECT THE WORK ZONE AREA PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION TO ENSURE THE AREA IS FREE OF HERPETOFAUNA AND SATISFACTORILY INSTALLED. THE INTENT OF THE BARRIER IS TO SEGREGATE THE MAJORITY OF THE WORK ZONE FROM MIGRATING/DISPERSING HERPETOFAUNA. 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.
- IF A STAGING AREA FOR EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS IS REQUIRED FOR THIS PROJECT, SUCH AREA(S) SHALL BE LOCATED OUTSIDE OF ANY WETLAND RESOURCE BUFFER ZONE AND SURROUNDED BY SILT FENCE TO ISOLATE THE AREA FROM POSSIBLE MIGRATING HERPETOFAUNA.
- ALL EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF COMPLETION OF WORK AND PERMANENT STABILIZATION OF SITE SOILS SO THAT HERPETOFAUNA MOVEMENTS BETWEEN UPLANDS AND WETLANDS ARE NOT RESTRICTED.

#### 2. CONTRACTOR EDUCATION:

- 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 THE ENVIRONMENTAL MONITOR. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF INFORMATION SUCH AS, BUT NOT LIMITED TO: REPRESENTATIVE PHOTOGRAPHS OF TYPICAL HERPETOFAUNA THAT MAY BE ENCOUNTERED, RARE THAT COULD BE ENCOUNTERED (IF POSSIBLE), TYPICAL SPECIES BEHAVIOR, AND PROPER PROCEDURES TO PROTECT SUCH SPECIES IF THEY ARE ENCOUNTERED. THE MEETING WILL FURTHER EMPHASIZE THE NON-AGGRESSIVE NATURE OF THESE SPECIES, THE ABSENCE OF NEED TO DESTROY SUCH ANIMALS AND THE NEED TO FOLLOW PROTECTIVE MEASURES AS DESCRIBED IN SECTION 4 BELOW. THE CONTRACTOR WILL DESIGNATE ONE OF ITS WORKERS AS THE "PROJECT MONITOR", WHO WILL RECEIVE MORE INTENSE TRAINING ON THE IDENTIFICATION AND PROPER HANDLING OF HERPETOFAUNA.
- THE PROJECT MONITOR WILL BE RESPONSIBLE FOR THE DAILY "SWEEPS" FOR HERPETOFAUNA WITHIN THE WORK ZONE EACH MORNING, DURING ANY AND ALL TRANSPORTATION OF VEHICLES ALONG THE ACCESS DRIVE, AND FOR ANY GROUND DISTURBANCE WORK. THIS INDIVIDUAL WILL RECEIVE MORE INTENSE TRAINING FROM THE ENVIRONMENTAL MONITOR ON THE IDENTIFICATION AND PROTECTION OF HERPETOFAUNA IN ORDER TO PERFORM SWEEPS. ANY HERPETOFAUNA DISCOVERED WILL BE REPORTED TO THE ENVIRONMENTAL MONITOR, PHOTOGRAPHED IF POSSIBLE, AND RELOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED.
- THE ENVIRONMENTAL MONITOR WILL ALSO POST CAUTION SIGNS THROUGHOUT THE PROJECT SITE AND MAINTAIN THEM FOR THE DURATION OF CONSTRUCTION TO PROVIDE 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.
- THE CONTRACTOR WILL BE PROVIDED WITH THE ENVIRONMENTAL MONITOR'S CELL PHONE AND EMAIL CONTACT INFORMATION TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH HERPETOFAUNA.

#### 3. PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION

- 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 SENSITIVE WETLAND RESOURCES.
- 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.
- THE FOLLOWING PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING RESTRICTIONS AND SPILL RESPONSE PROCEDURES WILL BE ADHERED TO BY THE CONTRACTOR.
  - PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING
    - REFUELING OF VEHICLES OR MACHINERY SHALL TAKE PLACE ON AN IMPERVIOUS PAD WITH SECONDARY CONTAINMENT DESIGNED TO CONTAIN FUELS.
    - ANY REFUELING DRUMS/TANKS 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 OR WATERCOURSES.
  - INITIAL SPILL RESPONSE PROCEDURES
    - STOP OPERATIONS AND SHUT OFF EQUIPMENT.
    - REMOVE ANY SOURCES OF SPARK OR FLAME.
    - CONTAIN THE SOURCE OF THE SPILL.
    - DETERMINE THE APPROXIMATE VOLUME OF THE SPILL.
    - IDENTIFY THE LOCATION OF NATURAL FLOW PATHS TO PREVENT THE RELEASE OF THE SPILL TO SENSITIVE NEARBY WATERWAYS OR WETLANDS.
    - ENSURE THAT FELLOW WORKERS ARE NOTIFIED OF THE SPILL.
  - SPILL CLEAN UP & CONTAINMENT
    - OBTAIN SPILL RESPONSE MATERIALS FROM THE ON-SITE SPILL RESPONSE KIT. PLACE ABSORBENT MATERIALS DIRECTLY ON THE RELEASE AREA.
    - LIMIT THE SPREAD OF THE SPILL BY PLACING ABSORBENT MATERIALS AROUND THE PERIMETER OF THE SPILL.
    - ISOLATE AND ELIMINATE THE SPILL SOURCE.
    - CONTACT THE APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.
    - CONTACT A DISPOSAL COMPANY TO PROPERLY DISPOSE OF CONTAMINATED MATERIALS.
  - REPORTING
    - COMPLETE AN INCIDENT REPORT.
    - SUBMIT A COMPLETED INCIDENT REPORT TO LOCAL, STATE AND FEDERAL AGENCIES, AS REQUIRED.

#### 4. PROTECTIVE MEASURES

- A THOROUGH COVER SEARCH OF THE CONSTRUCTION AREA WILL BE PERFORMED BY THE ENVIRONMENTAL MONITOR FOR HERPETOFAUNA PRIOR TO AND FOLLOWING INSTALLATION OF EROSION CONTROL MEASURES/SILT FENCING BARRIERS TO REMOVE ANY SPECIES FROM THE WORK ZONE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. ANY HERPETOFAUNA DISCOVERED WOULD BE RELOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED. PERIODIC INSPECTIONS WILL BE PERFORMED BY THE ENVIRONMENTAL MONITOR THROUGHOUT THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR'S PROJECT MONITOR WILL INSPECT THE WORK AREA EACH MORNING AND ESCORT INITIAL VEHICLE ACCESS INTO THE SITE EACH MORNING ALONG THE ACCESS DRIVE TO VISUALLY INSPECT FOR ANY HERPETOFAUNA. ANY HERPETOFAUNA DISCOVERED WOULD BE RELOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED.
- ANY HERPETOFAUNA REQUIRING RELOCATION OUT OF THE WORK ZONE WILL BE CAPTURED WITH THE USE OF A NET OR CLEAN PLASTIC BAG THAT HAS BEEN MOISTENED WITH CLEAN WATER FOR CAREFUL HANDLING AND PLACEMENT OUT OF THE WORK ZONE IN THE GENERAL DIRECTION IT WAS OBSERVED HEADING.
- 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 VERNAL POOL "DECOY POOLS" THAT COULD INTERCEPT AMPHIBIANS MOVING TOWARD THE VERNAL POOL. 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.

#### REPORTING

- INSPECTION REPORTS (BRIEF NARRATIVE AND APPLICABLE PHOTOS) WILL BE PREPARED BY THE ENVIRONMENTAL MONITOR DOCUMENTING EACH INSPECTION AND SUBMITTED TO THE PERMITTEE FOR COMPLIANCE VERIFICATION. 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.
- ANY INCIDENTS OF RELEASE OF SEDIMENT OR OTHER MATERIALS INTO WETLAND RESOURCE AREAS SHALL BE REPORTED BY THE PERMITTEE WITHIN 24 HOURS TO THE PERMITTEE.
- ANY OBSERVATIONS OF RARE SPECIES WILL BE REPORTED TO THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION'S NATURAL DIVERSITY DATA BASE PROGRAM.
- FOLLOWING COMPLETION OF THE PROJECT, A SUMMARY REPORT WILL BE PREPARED BY THE ENVIRONMENTAL MONITOR DOCUMENTING COMPLIANCE WITH THE RESOURCE PROTECTION PLAN AND SUBMITTED TO THE PERMITTEE, WHO SHALL SUBMIT A COPY TO THE CONNECTICUT SITING COUNCIL.

**WATERTOWN SOLAR ONE, LLC**  
**150 TRUMBULL STREET**  
**4TH FLOOR**  
**HARTFORD, CT, 06103**



567 VAUXHAUL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-663-1697  
WWW.ALLPOINTSTECH.COM FAX: (860)-663-9395

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**WATERTOWN, CT 06795**

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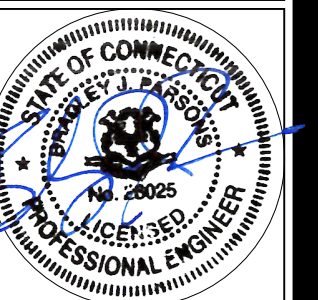
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<b>DATE: 12/30/20</b>	<b>CHECKED BY: BJP</b>

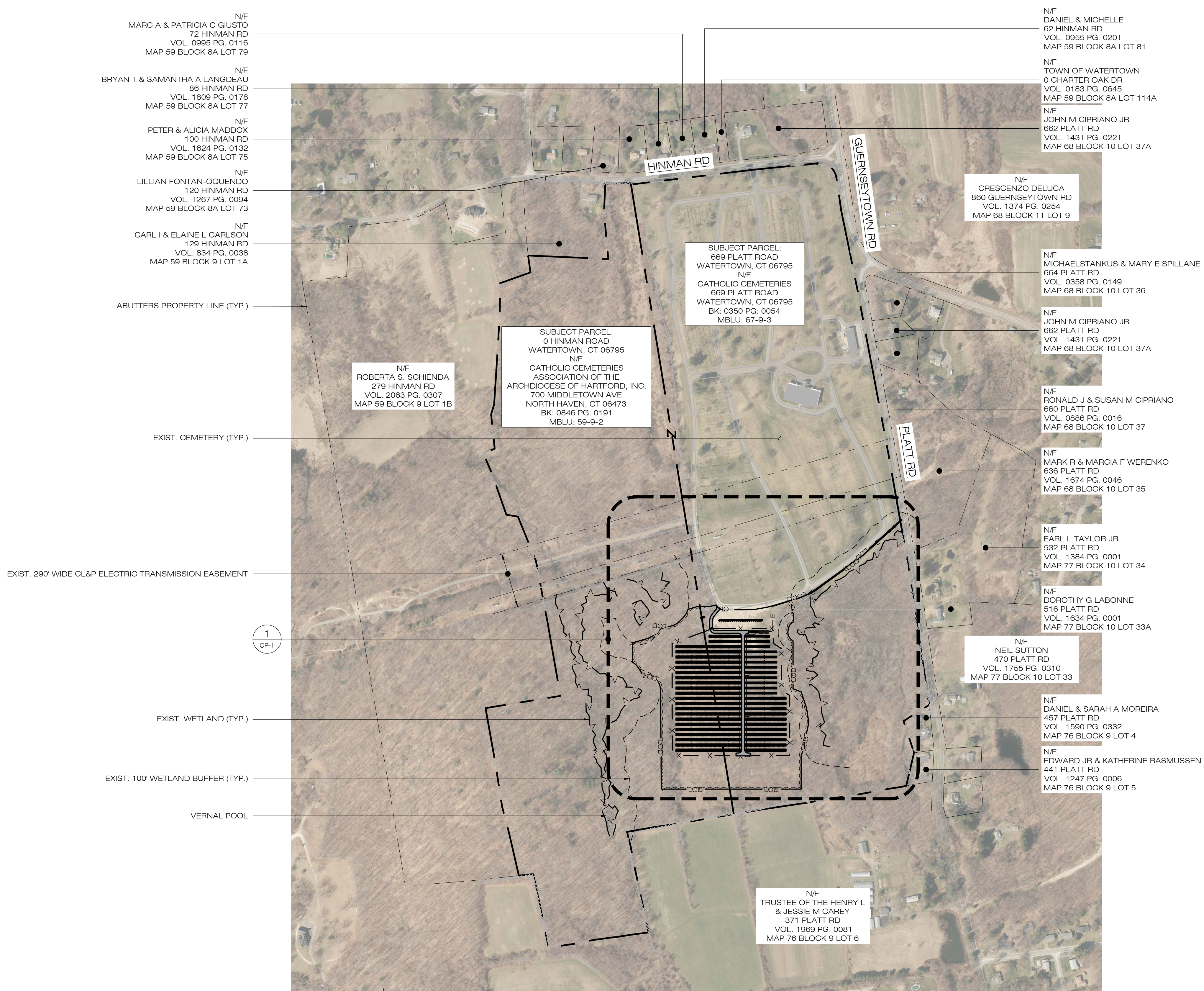
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**GENERAL NOTES**

**SHEET NUMBER:**

**GN-2**





N/F  
MARC A & PATRICIA C GIUSTO  
72 HINMAN RD  
VOL. 0995 PG. 0116  
MAP 59 BLOCK 8A LOT 79

N/F  
BRYAN T & SAMANTHA A LANGDEAU  
86 HINMAN RD  
VOL. 1809 PG. 0178  
MAP 59 BLOCK 8A LOT 77

N/F  
PETER & ALICIA MADDOX  
100 HINMAN RD  
VOL. 1624 PG. 0132  
MAP 59 BLOCK 8A LOT 75

N/F  
LILLIAN FONTAN-OQUEENDO  
120 HINMAN RD  
VOL. 1267 PG. 0094  
MAP 59 BLOCK 8A LOT 73

N/F  
CARL I & ELAINE L CARLSON  
129 HINMAN RD  
VOL. 834 PG. 0038  
MAP 59 BLOCK 9 LOT 1A

ABUTTERS PROPERTY LINE (TYP.)

N/F  
ROBERTA S. SCHIENDA  
279 HINMAN RD  
VOL. 2063 PG. 0307  
MAP 59 BLOCK 9 LOT 1B

SUBJECT PARCEL:  
0 HINMAN ROAD  
WATERTOWN, CT 06795  
N/F  
CATHOLIC CEMETERIES  
ASSOCIATION OF THE  
ARCHDIOCESE OF HARTFORD, INC.  
700 MIDDLETOWN AVE  
NORTH HAVEN, CT 06473  
BK: 0846 PG: 0191  
MBLU: 59-9-2

SUBJECT PARCEL:  
669 PLATT ROAD  
WATERTOWN, CT 06795  
N/F  
CATHOLIC CEMETERIES  
669 PLATT ROAD  
WATERTOWN, CT 06795  
BK: 0350 PG. 0054  
MBLU: 67-9-3

N/F  
DANIEL & MICHELLE  
62 HINMAN RD  
VOL. 0955 PG. 0201  
MAP 59 BLOCK 8A LOT 81

N/F  
TOWN OF WATERTOWN  
0 CHARTER OAK DR  
VOL. 0183 PG. 0645  
MAP 59 BLOCK 8A LOT 114A

N/F  
JOHN M CIPRIANO JR  
662 PLATT RD  
VOL. 1431 PG. 0221  
MAP 68 BLOCK 10 LOT 37A

N/F  
CRESCENZO DELUCA  
860 GUERNSEYTOWN RD  
VOL. 1374 PG. 0254  
MAP 68 BLOCK 11 LOT 9

N/F  
MICHAELSTANKUS & MARY E SPILLANE  
664 PLATT RD  
VOL. 0358 PG. 0149  
MAP 68 BLOCK 10 LOT 36

N/F  
JOHN M CIPRIANO JR  
662 PLATT RD  
VOL. 1431 PG. 0221  
MAP 68 BLOCK 10 LOT 37A

N/F  
RONALD J & SUSAN M CIPRIANO  
660 PLATT RD  
VOL. 0886 PG. 0016  
MAP 68 BLOCK 10 LOT 37

N/F  
MARK R & MARCIA F WERENKO  
636 PLATT RD  
VOL. 1674 PG. 0046  
MAP 68 BLOCK 10 LOT 35

N/F  
EARL L TAYLOR JR  
532 PLATT RD  
VOL. 1384 PG. 0001  
MAP 77 BLOCK 10 LOT 34

N/F  
DOROTHY G LABONNE  
516 PLATT RD  
VOL. 1634 PG. 0001  
MAP 77 BLOCK 10 LOT 33A

N/F  
NEIL SUTTON  
470 PLATT RD  
VOL. 1755 PG. 0310  
MAP 77 BLOCK 10 LOT 33

N/F  
DANIEL & SARAH A MOREIRA  
457 PLATT RD  
VOL. 1590 PG. 0332  
MAP 76 BLOCK 9 LOT 4

N/F  
EDWARD JR & KATHERINE RASMUSSEN  
441 PLATT RD  
VOL. 1247 PG. 0006  
MAP 76 BLOCK 9 LOT 5

N/F  
TRUSTEE OF THE HENRY L  
& JESSIE M CAREY  
371 PLATT RD  
VOL. 1969 PG. 0081  
MAP 76 BLOCK 9 LOT 6

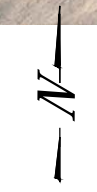
EXIST. 290' WIDE CL&P ELECTRIC TRANSMISSION EASEMENT

1  
OP-1

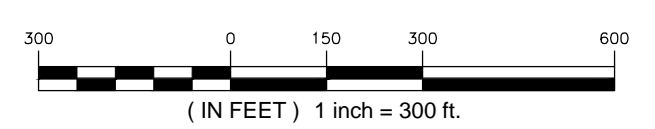
EXIST. WETLAND (TYP.)

EXIST. 100' WETLAND BUFFER (TYP.)

VERNAL POOL



1  
OP-0  
**OVERALL LOCUS MAP**  
SCALE : 1" = 300'-0"



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SHEET TITLE:  
**OVERALL LOCUS MAP**

SHEET NUMBER:  
**OP-0**

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**COMP: ALL-POINTS TECHNOLOGY CORPORATION**  
**ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385**

**OWNER: CATHOLIC CEMETERIES**  
**ADDRESS: 669 PLATT ROAD WATERFORD, CT 06795**

**WATERTOWN SOLAR ONE, LLC**

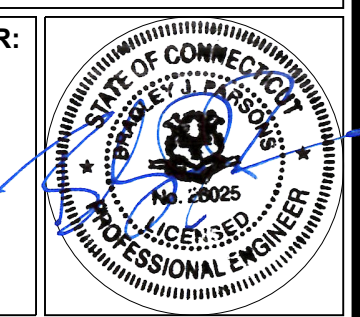
**SITE HINMAN ROAD & PLATT ROAD**  
**ADDRESS: WATERFORD, CT 06795**

**APT FILING NUMBER: CT590240**

**DRAWN BY: CSH**  
**DATE: 12/30/20** **CHECKED BY: BJP**

**SHEET TITLE:**  
**PARTIAL SITE PLAN**

**SHEET NUMBER:**  
**OP-1**



EXIST. 290' WIDE CL&P ELECTRIC TRANSMISSION EASEMENT

EXIST. TREE LINE (TYP.)

EXIST. PAVED CEMETERY ACCESS DRIVE (TYP.)

PROP. GRASS BERM LIMITS (TYP.)

PROP. LIMITS OF DISTURBANCE

PROP. SHADING LIMIT (TYP.)

PROP. STORMWATER BASIN (TYP.)

PROP. SOLAR ARRAY #2 (5,616 MODULES)  
 (APPROX. POWER GENERATION @400W/EA,  
 TOTAL ±2.246 MW DC)

PROP. GRAVEL ACCESS DRIVE (TYP.)

PROP. FENCE (TYP.)

PROP. STORMWATER GRASS SWALE (TYP.)

EXIST. WETLAND (TYP.)

EXIST. 100' WETLAND BUFFER (TYP.)

PROP. CLEARING LIMITS (TYP.)

VERNAL POOL

EXIST. UTILITY POLE (CL&P #C6040)

EXIST. CEMETERY (TYP.)

PROP. ELECTRICAL TRENCH TO ELECTRICAL INTERCONNECTION POINT (TYP.)

PROP. GRASS BERM LIMITS (TYP.)

PROP. STORMWATER BASIN (TYP.)

PROP. CONCRETE ELECTRICAL EQUIPMENT PAD

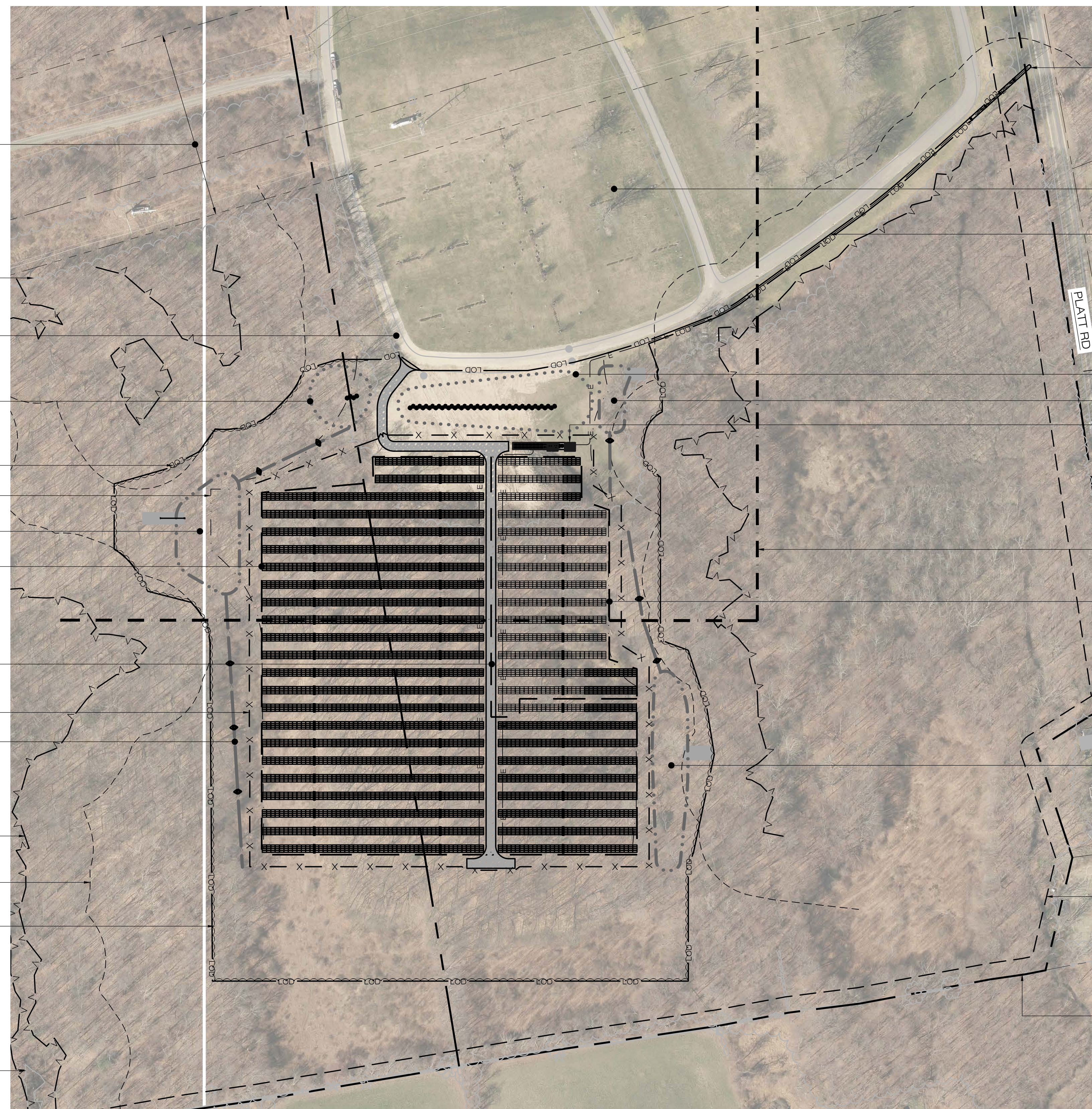
MATCHLINE - FOR 40 SCALE SHEETS

PROP. SOLAR SUBARRAY #1 (1,404 MODULES)  
 (APPROX. POWER GENERATION @380W/EA,  
 TOTAL ±0.533 MW DC)

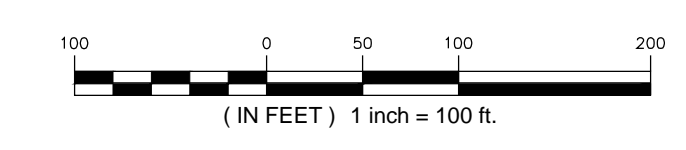
PROP. STORMWATER BASIN (TYP.)

ZONING BUILDING SETBACK LINE (TYP.)

PROPERTY LINE (TYP.)

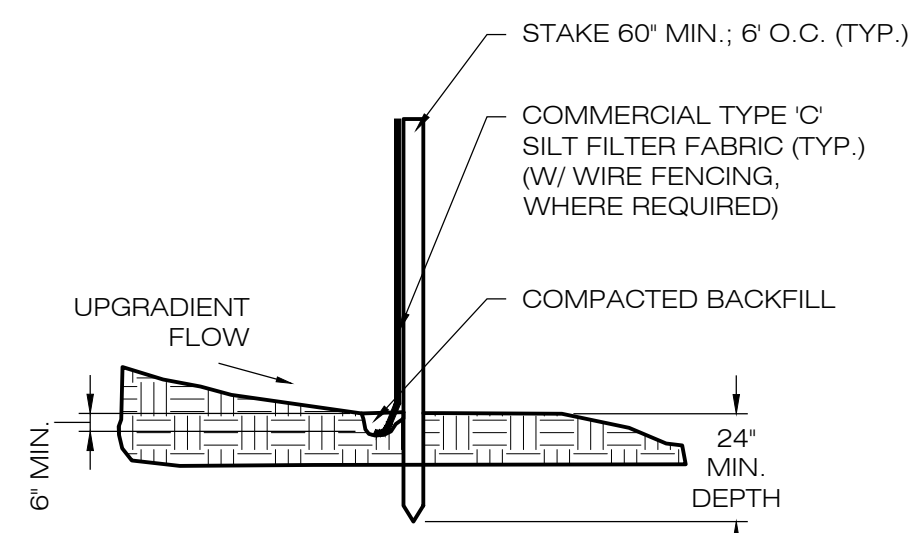


**1 PARTIAL SITE PLAN**  
 OP-1 SCALE: 1" = 100'-0"



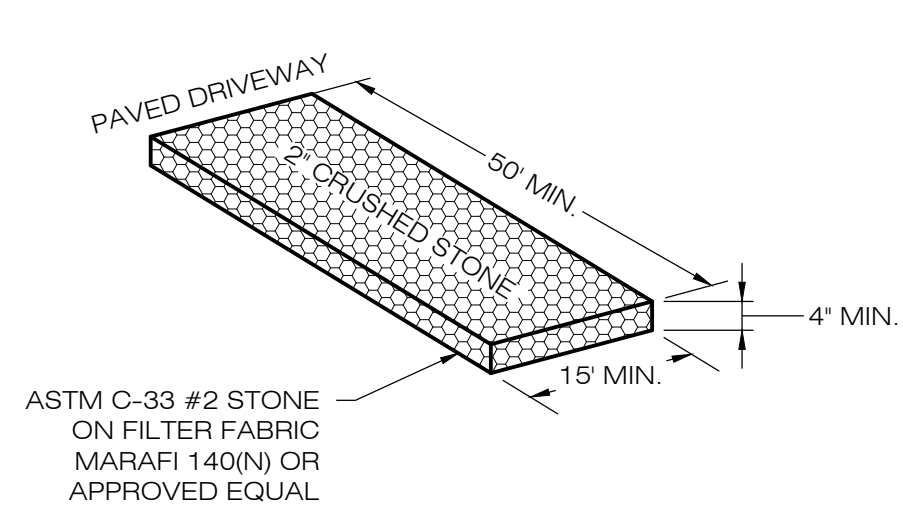




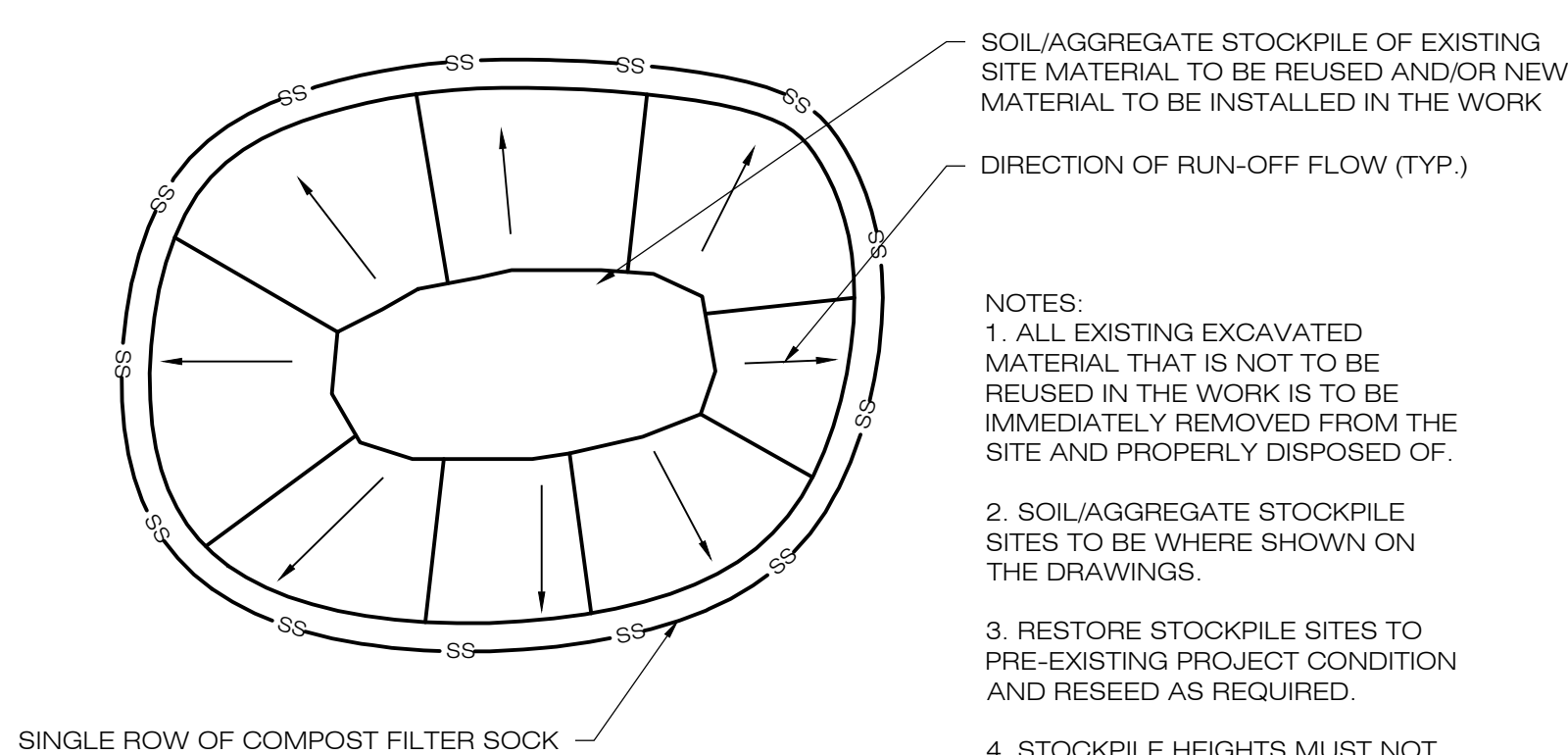


NOTE:  
SILT FENCE SHALL BE LAPPED ONLY  
WHEN NECESSARY PER THE  
MANUFACTURER RECOMMENDATIONS.

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



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

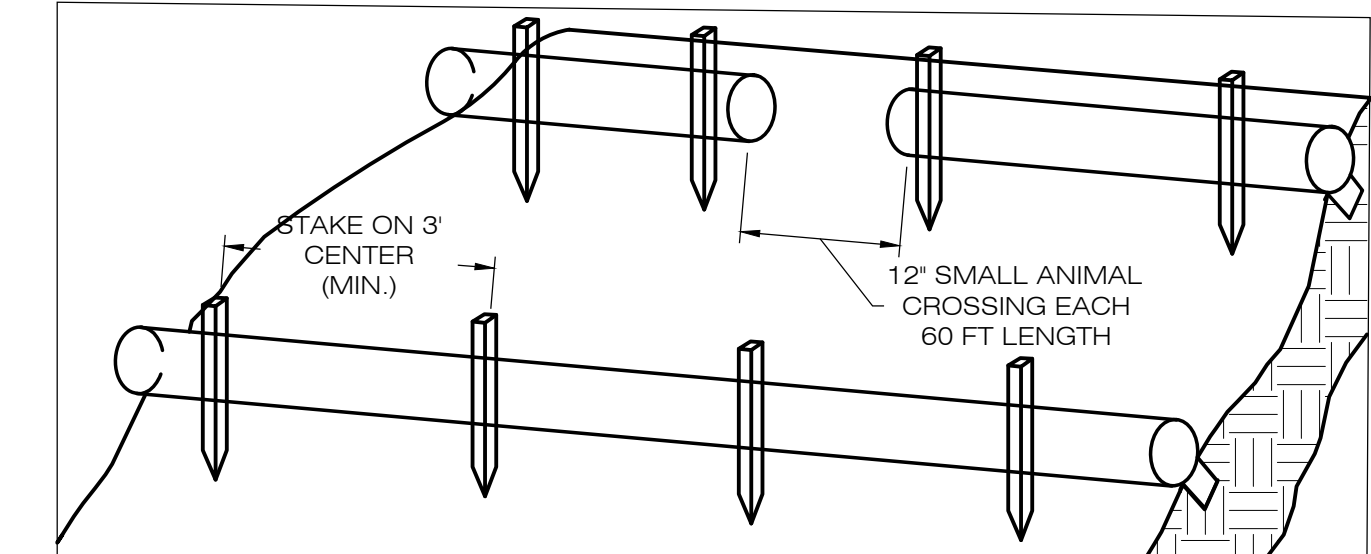


SOIL/AGGREGATE STOCKPILE OF EXISTING  
SITE MATERIAL TO BE REUSED AND/OR NEW  
MATERIAL TO BE INSTALLED IN THE WORK

DIRECTION OF RUN-OFF FLOW (TYP.)

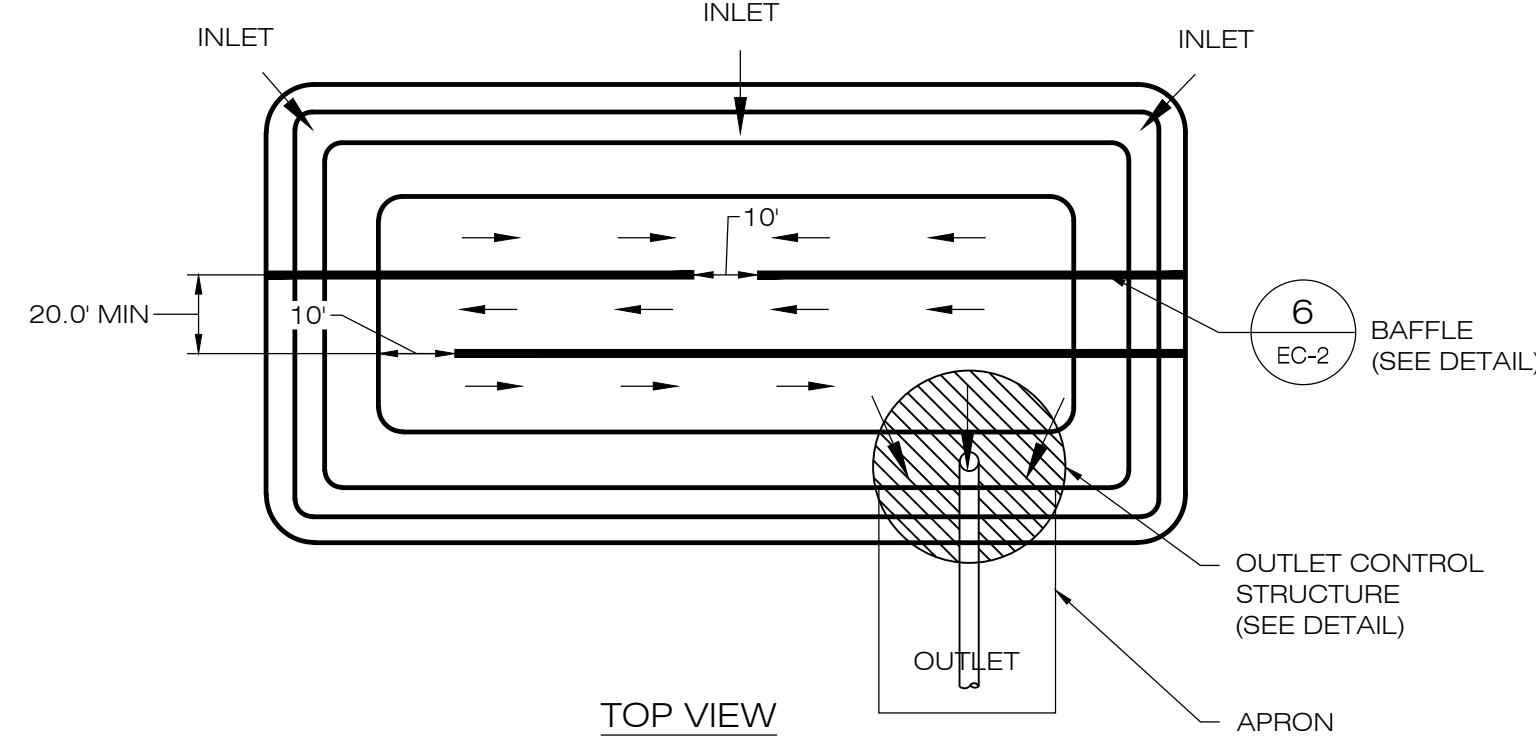
NOTES:  
1. ALL EXISTING EXCAVATED  
MATERIAL THAT IS NOT TO BE  
REUSED IN THE WORK IS TO BE  
IMMEDIATELY REMOVED FROM THE  
SITE AND PROPERLY DISPOSED OF.  
2. SOIL/AGGREGATE STOCKPILE  
SITES TO BE WHERE SHOWN ON  
THE DRAWINGS.  
3. RESTORE STOCKPILE SITES TO  
PRE-EXISTING PROJECT CONDITION  
AND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

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

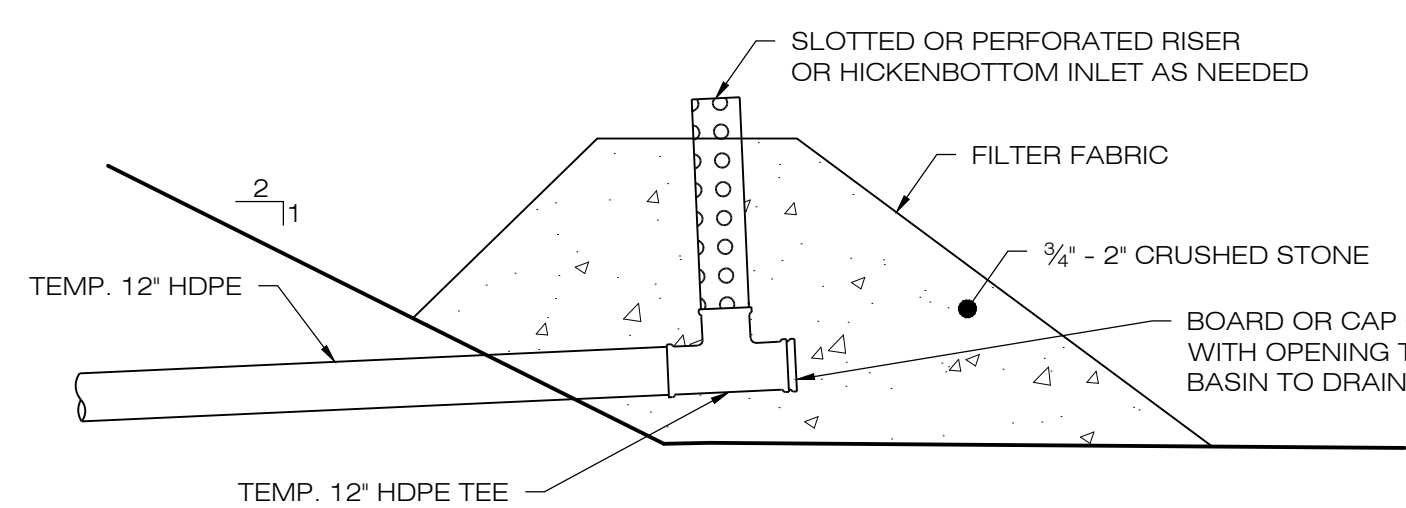


1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UPSLOPE FROM THE ANCHOR TRENCH.  
2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPSLOPE 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.

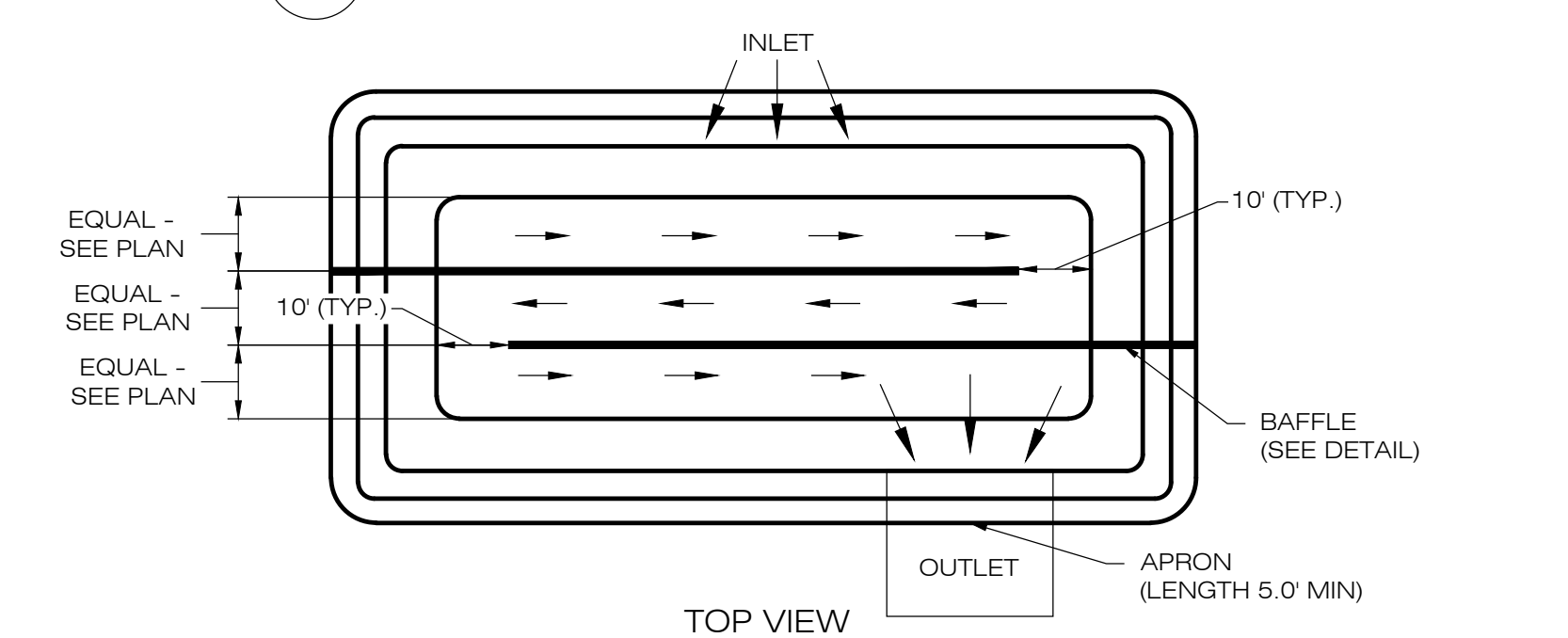
**4 COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER**  
EC-2 SCALE: N.T.S.



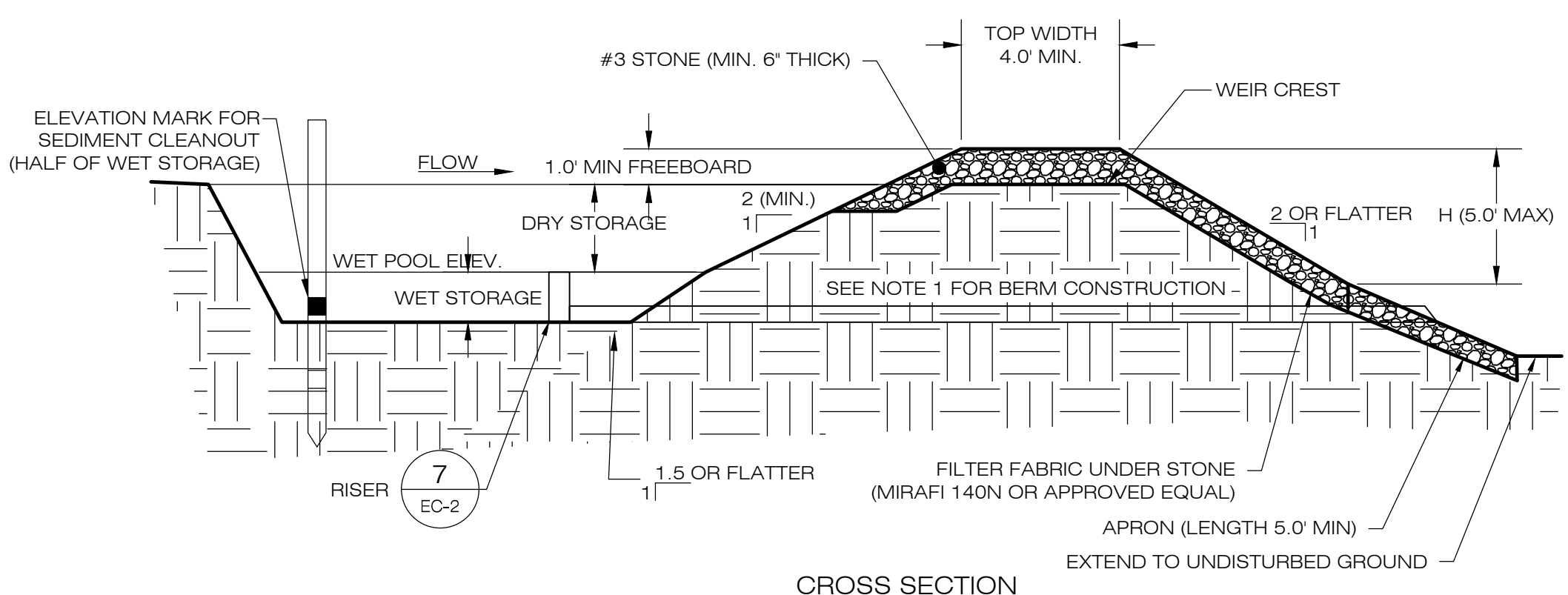
TOP VIEW



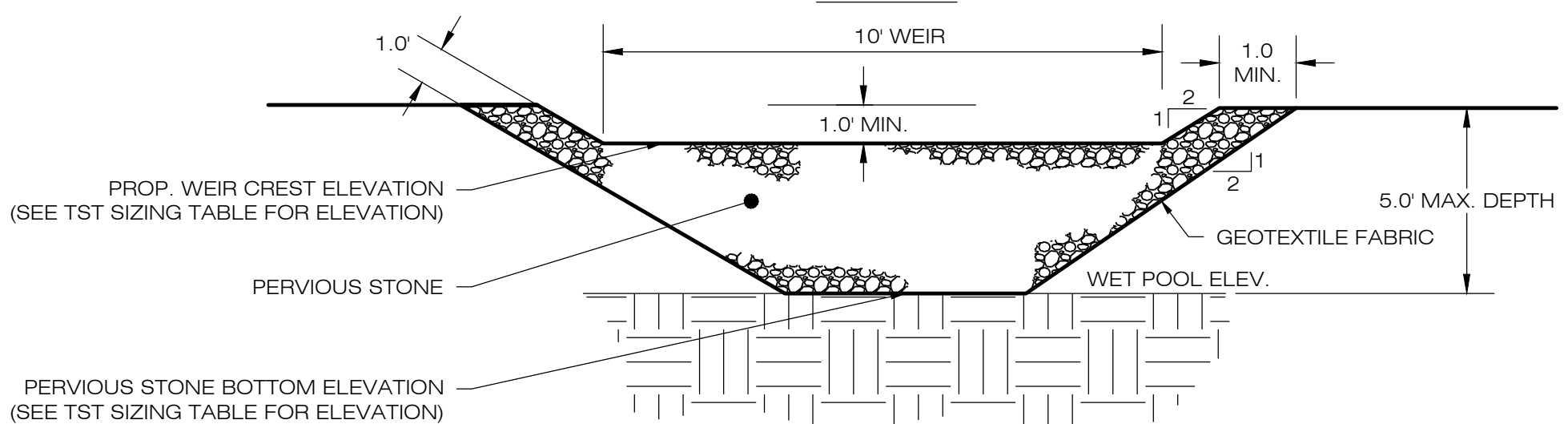
**7 RISER DETAIL**  
EC-2 SCALE: N.T.S.



TOP VIEW



CROSS SECTION

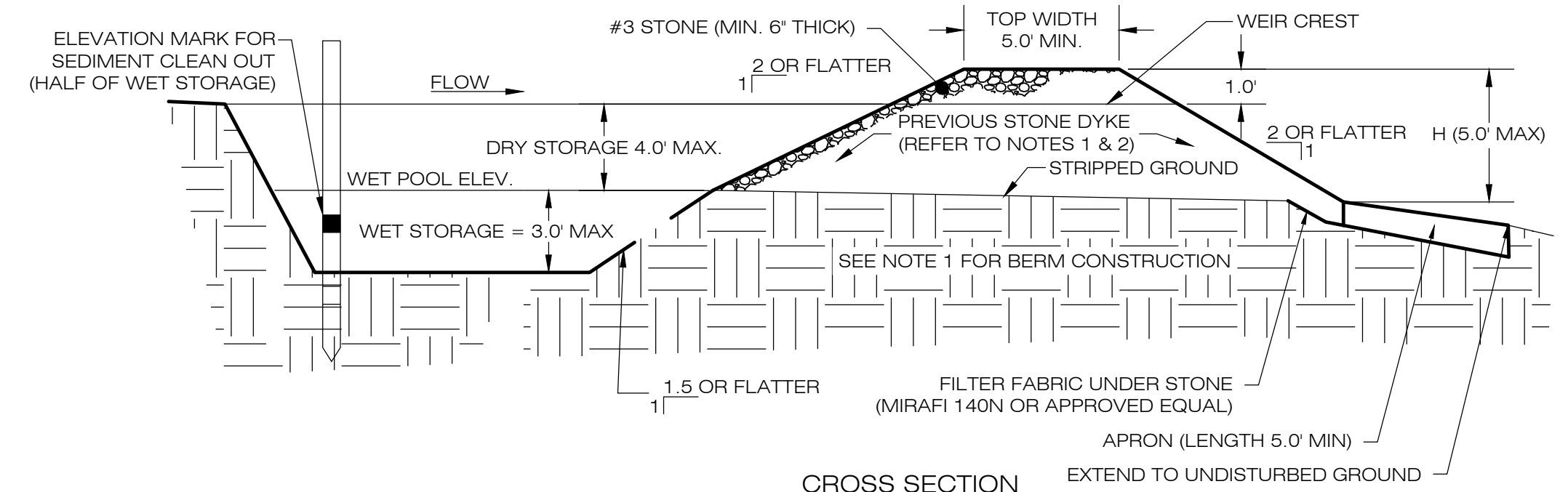


OUTLET ELEVATION

NOTES:  
1. CONSTRUCT TEMPORARY SEDIMENT BASIN BERMS AND SIDEWALLS PER THE INFILTRATION BASIN DETAIL.  
2. SEDIMENT BAFFLES SHALL BE INSTALLED AS SHOWN ON EC-3 & EC-4.  
3. SEE TSB SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

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

NAME	DRAINAGE AREA (AC)	REQ. DRY VOLUME (CF)	REQ. WET VOLUME (CF)	PROP. BTM. ELEV. (FT)	PROP. OUTLET RIM ELEV. (FT)	PROP. WEIR CREST ELEV. (FT)	PROP. TOP ELEV. (FT)	WET VOL. PROVIDED (CF)	DRY VOL. PROVIDED (CF)	TOTAL VOL. PROVIDED (CF)
TSB-3	5.617	4,494	8,987	777.00	778.60	779.00	781.00	11,293	10,389	21,682

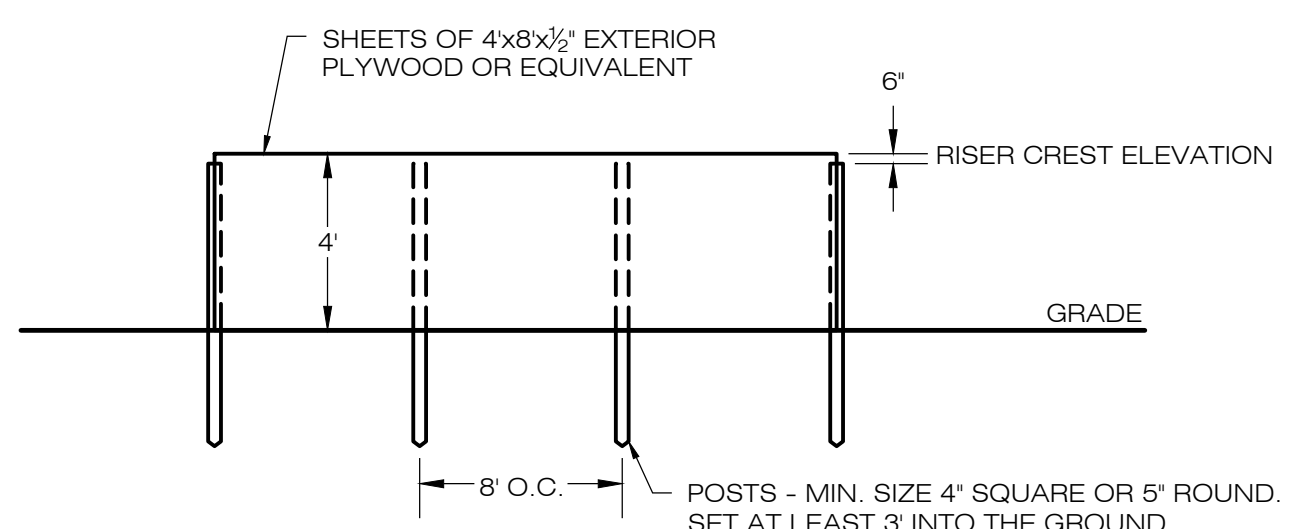


CROSS SECTION

NOTES:  
1. CONSTRUCT TEMPORARY SEDIMENT TRAP BERMS AND SIDEWALLS PER THE INFILTRATION BASIN DETAIL.  
2. PERVIOUS STONE DIKE SHALL BE CONSTRUCTED OF CT DOT MODIFIED RIP-RAP WITH #3 STONE ON FACE.  
3. SEDIMENT TRAP BAFFLES SHALL BE INSTALLED AS SHOWN ON EC-3 AND EC-4.  
4. SEE TSB SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

**8 TEMPORARY SEDIMENT TRAP**  
EC-2 SCALE: N.T.S.

NAME	DRAINAGE AREA (AC)	SEDIMENT VOLUME/ACRE AREA (CY)	REQ. VOLUME (CY)	REQ. WET VOLUME (CY)	PROP. BTM. ELEV. (FT)	PROP. STONE DIKE BTM. ELEV. (FT)	PROP. WEIR CREST ELEV. (FT)	PROP. TOP ELEV. (FT)	WET VOL. PROVIDED (CY)	TOTAL VOL. PROVIDED (CY)
TST-1	1.38	134 CYD	185	93	783.00	785.00	786.00	787.00	148	197
TST-2	3.83	134 CYD	514	257	779.00	781.50	782.50	783.50	475	818



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

**WATERTOWN SOLAR ONE, LLC**  
150 TRUMBULL STREET  
4TH FLOOR  
HARTFORD, CT, 06103

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

APPROVED FOR CONSTRUCTION		
NO	DATE	REVISION
0	12/30/20	D&M PLANS: BJP
1	03/17/21	CLIENT REVS: BJP
2		
3		
4		
5		
6		

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

**OWNER: CATHOLIC CEMETERIES**  
ADDRESS: 669 PLATT ROAD  
WATERTOWN, CT 06795

**WATERTOWN SOLAR ONE, LLC**  
SITE HINMAN ROAD & PLATT ROAD  
ADDRESS: WATERTOWN, CT 06795  
APT FILING NUMBER: CT590240  
DRAWN BY: CSH  
DATE: 12/30/20 CHECKED BY: BJP

**SEDIMENTATION & EROSION CONTROL DETAILS**

**EC-2**

STATE OF CONNECTICUT  
REGISTERED PROFESSIONAL ENGINEER  
14-06005

**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



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 WATERFORD, CT 06385

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SITE HINMAN ROAD & PLATT ROAD  
 ADDRESS: WATERTOWN, CT 06795

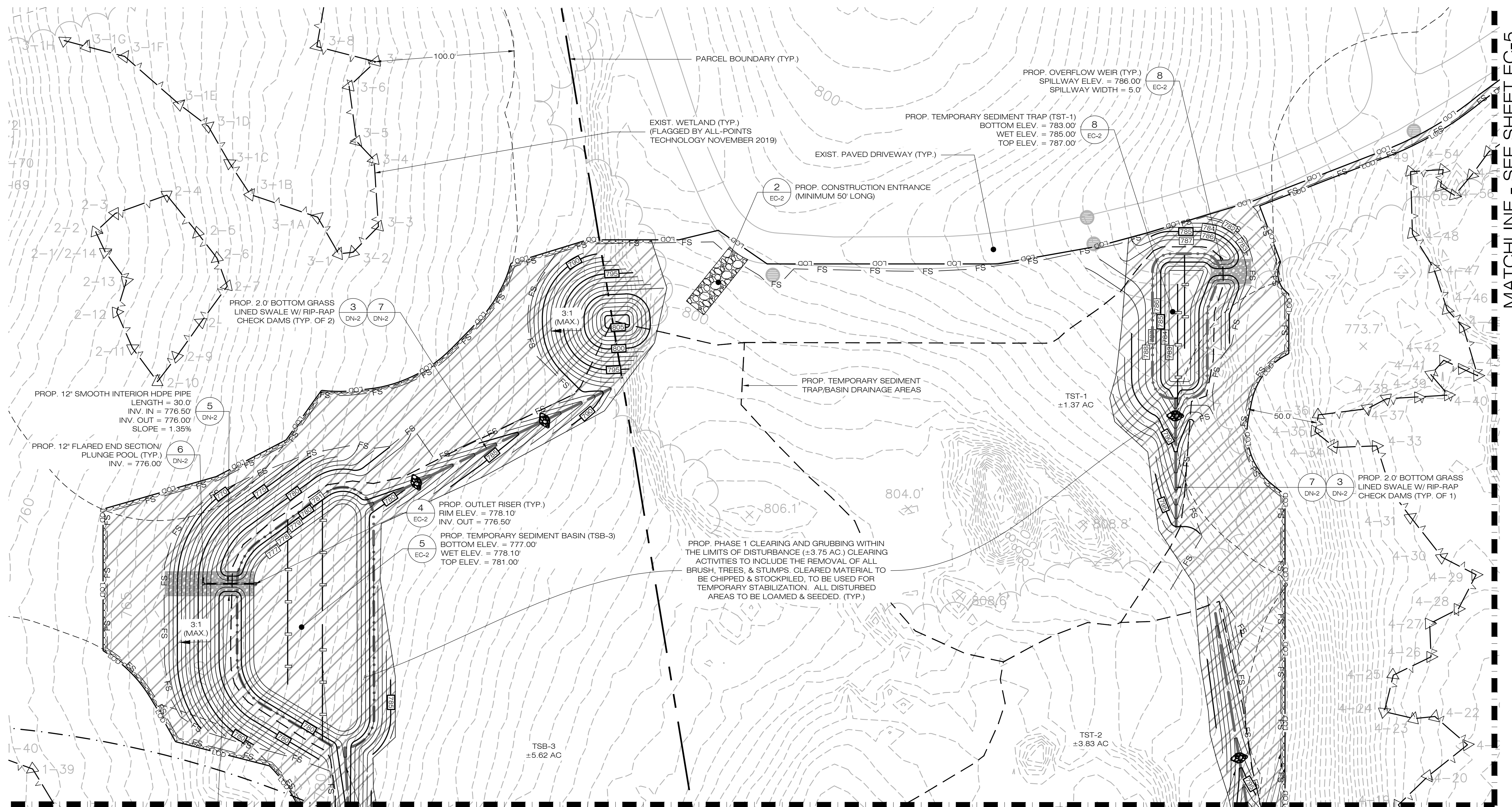
APT FILING NUMBER: CT590240

DRAWN BY: CSH  
 CHECKED BY: BJP

DATE: 12/30/20

**PHASE 1  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

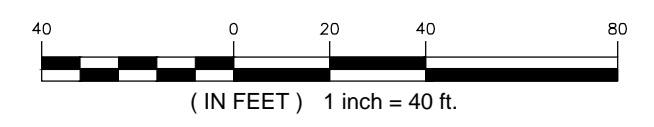
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**EC-3**

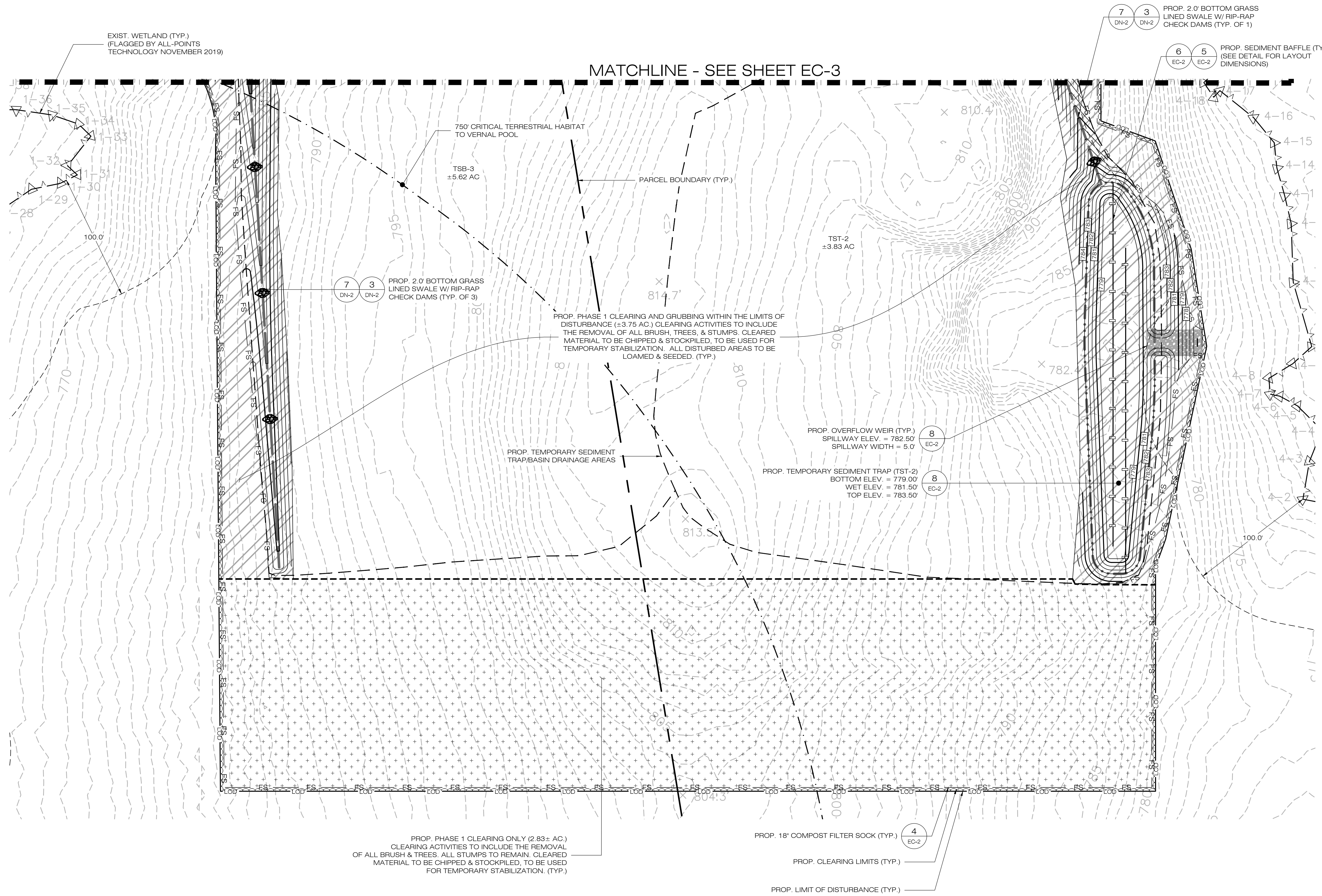


MATCHLINE - SEE SHEET EC-5

MATCHLINE - SEE SHEET EC-4

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





**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
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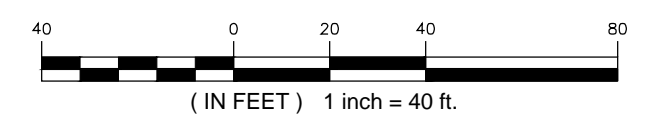
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 WATERFORD, CT 06385  
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 WATERTOWN, CT 06795

**WATERTOWN SOLAR ONE, LLC**  
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 ADDRESS: WATERTOWN, CT 06795  
 APT FILING NUMBER: CT590240  
 DRAWN BY: CSH  
 DATE: 12/30/20  
 CHECKED BY: BJP

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

**SHEET NUMBER:**  
 EC-4

**1 PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN**  
 EC-4 SCALE: 1" = 40'-0"



WATERTOWN SOLAR ONE, LLC  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



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 EXTENSION - SUITE 311  
 WATERFORD, CT 06385

OWNER: CATHOLIC CEMETERIES  
 ADDRESS: 669 PLATT ROAD  
 WATERTOWN, CT 06795

WATERTOWN SOLAR ONE, LLC

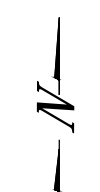
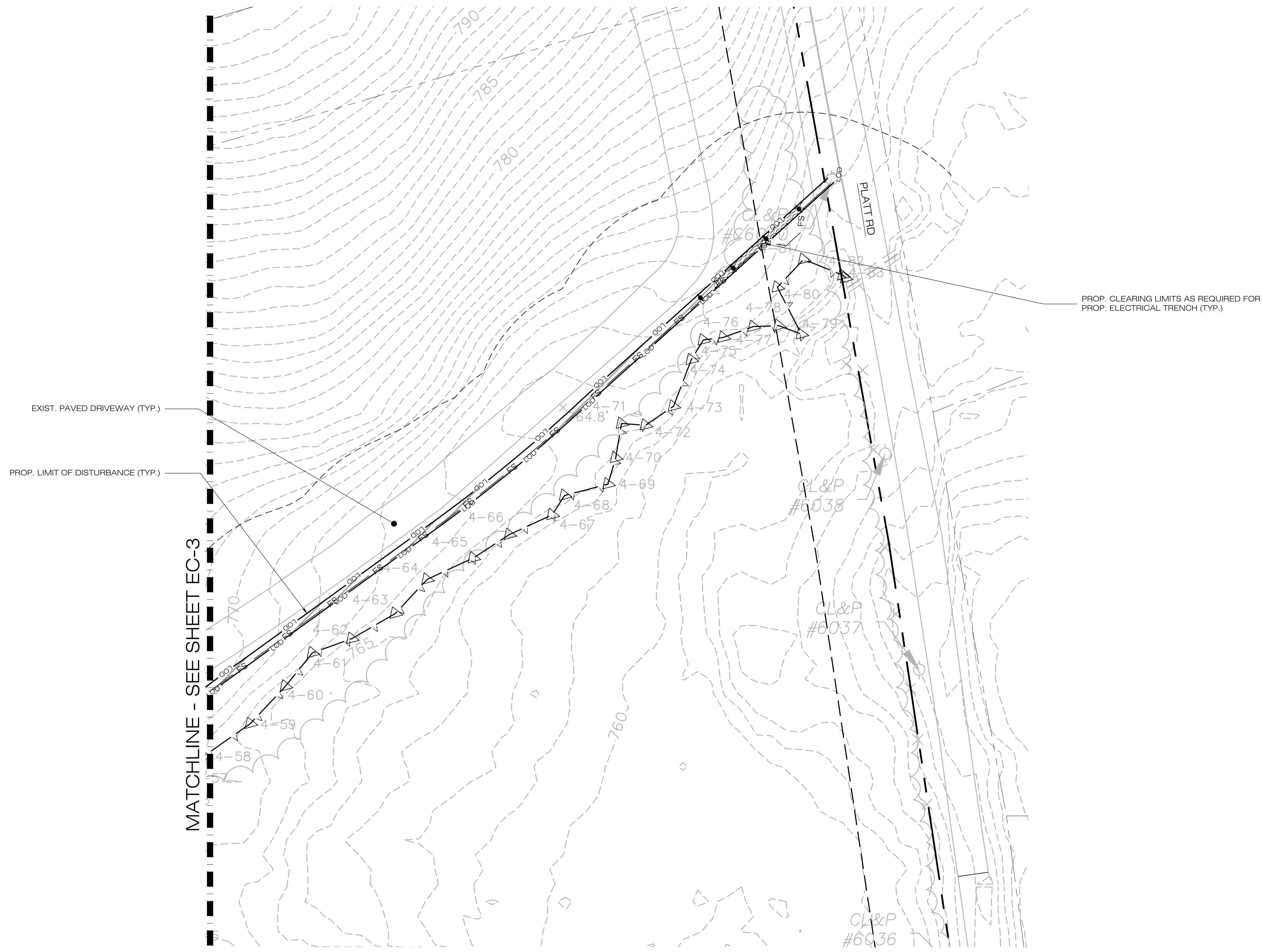
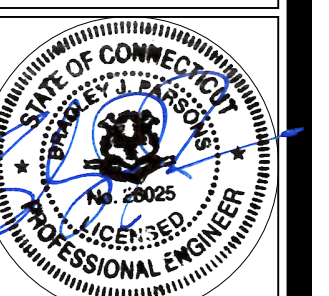
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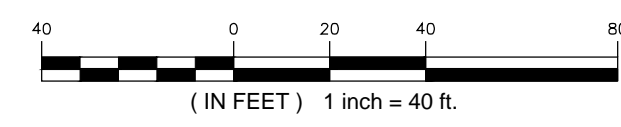
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SHEET TITLE:  
**PHASE 1  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

SHEET NUMBER:  
**EC-5**



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



**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



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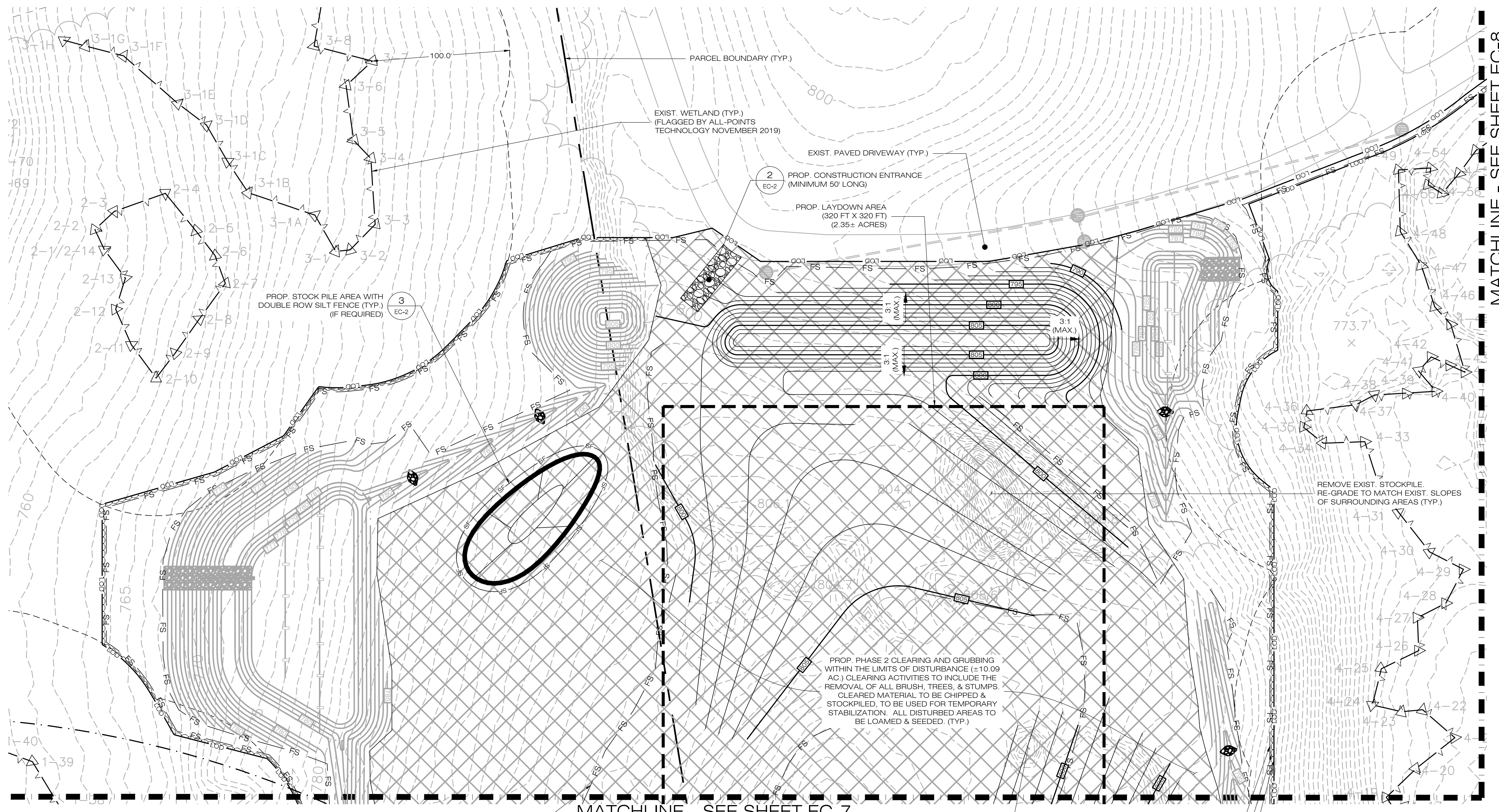
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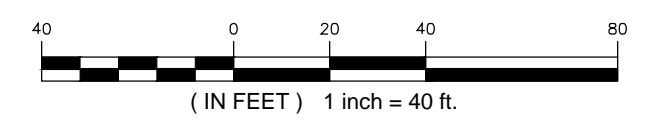
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**SHEET TITLE:**  
**PHASE 2  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

SHEET NUMBER:  
**EC-6**



**1 EC-6 PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN**  
 SCALE: 1" = 40'-0"



MATCHLINE - SEE SHEET EC-8

MATCHLINE - SEE SHEET EC-7

WATERTOWN SOLAR ONE, LLC  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



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

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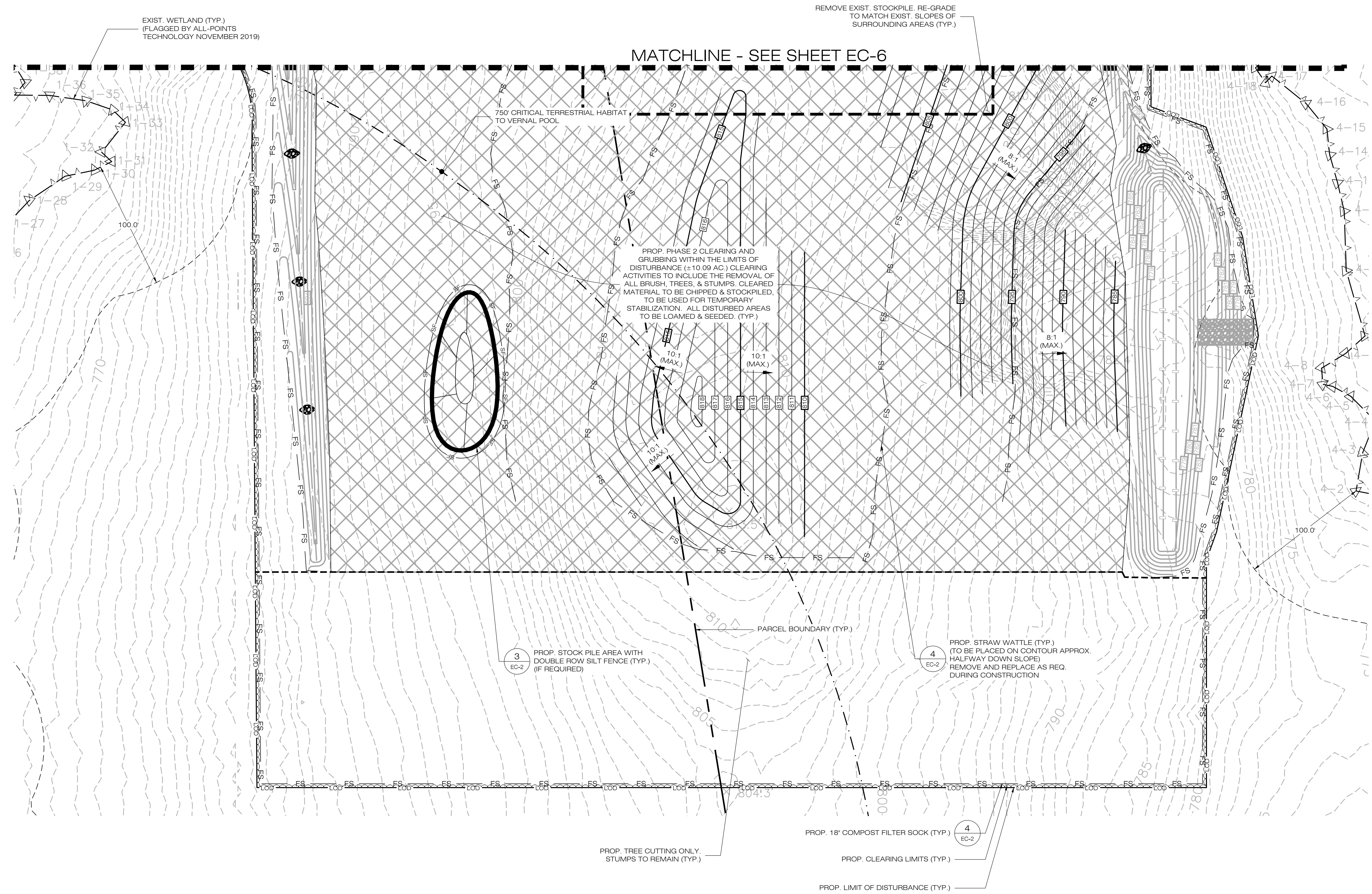
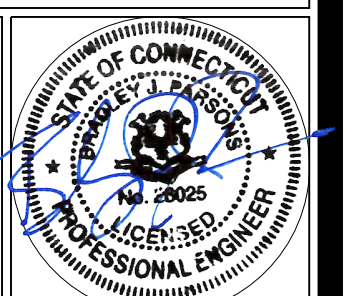
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SHEET TITLE:  
**PHASE 2  
 SEDIMENTATION &  
 EROSION CONTROL PLAN**

SHEET NUMBER:  
**EC-7**



EXIST. WETLAND (TYP.)  
 (FLAGGED BY ALL-POINTS  
 TECHNOLOGY NOVEMBER 2019)

REMOVE EXIST. STOCKPILE, RE-GRADE  
 TO MATCH EXIST. SLOPES OF  
 SURROUNDING AREAS (TYP.)

MATCHLINE - SEE SHEET EC-6

750' CRITICAL TERRESTRIAL HABITAT  
 TO VERNAL POOL

PROP. PHASE 2 CLEARING AND  
 GRUBBING WITHIN THE LIMITS OF  
 DISTURBANCE (±10.09 AC.) CLEARING  
 ACTIVITIES TO INCLUDE THE REMOVAL OF  
 ALL BRUSH, TREES, & STUMPS. CLEARED  
 MATERIAL TO BE CHIPPED & STOCKPILED,  
 TO BE USED FOR TEMPORARY  
 STABILIZATION. ALL DISTURBED AREAS  
 TO BE LOAMED & SEEDDED. (TYP.)

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

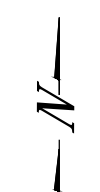
4  
 EC-2  
 PROP. STRAW WATTLE (TYP.)  
 (TO BE PLACED ON CONTOUR APPROX.  
 HALFWAY DOWN SLOPE)  
 REMOVE AND REPLACE AS REQ.  
 DURING CONSTRUCTION

PROP. TREE CUTTING ONLY.  
 STUMPS TO REMAIN (TYP.)

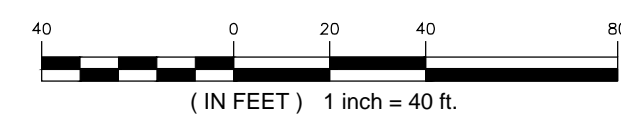
PROP. 18" COMPOST FILTER SOCK (TYP.)

PROP. CLEARING LIMITS (TYP.)

PROP. LIMIT OF DISTURBANCE (TYP.)



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



WATERTOWN SOLAR ONE, LLC  
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WATERTOWN SOLAR ONE, LLC

SITE: HINMAN ROAD & PLATT ROAD  
 ADDRESS: WATERTOWN, CT 06795

APT FILING NUMBER: CT590240

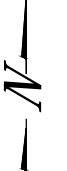
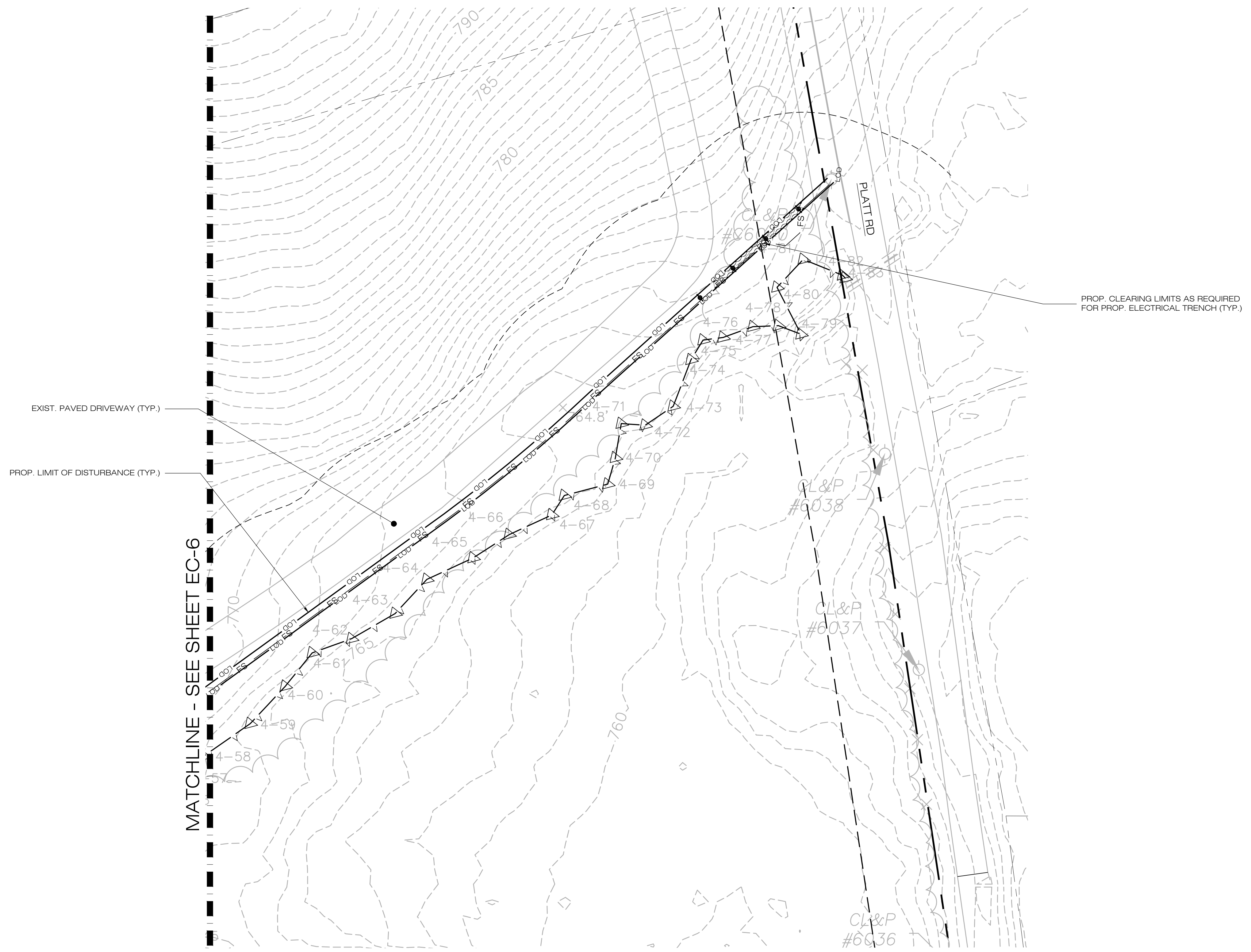
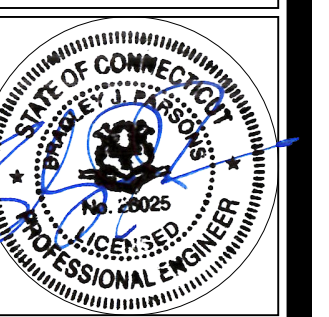
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 DATE: 12/30/20 CHECKED BY: BJP

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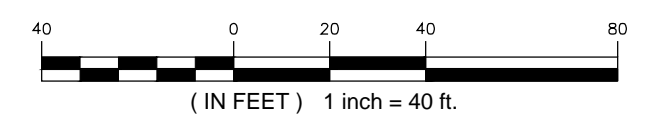
PHASE 2  
 SEDIMENTATION &  
 EROSION CONTROL PLAN

SHEET NUMBER:

EC-8



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





**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



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

**APPROVED FOR CONSTRUCTION**

NO	DATE	REVISION
0	12/30/20	D&M PLANS: BJP
1	03/17/21	CLIENT REVS: BJP
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**DESIGN PROFESSIONAL OF RECORD**

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

OWNER: CATHOLIC CEMETERIES  
 ADDRESS: 669 PLATT ROAD  
 WATERTOWN, CT 06795

**WATERTOWN SOLAR ONE, LLC**

SITE: HINMAN ROAD & PLATT ROAD  
 ADDRESS: WATERTOWN, CT 06795

APT FILING NUMBER: CT590240

DRAWN BY: CSH  
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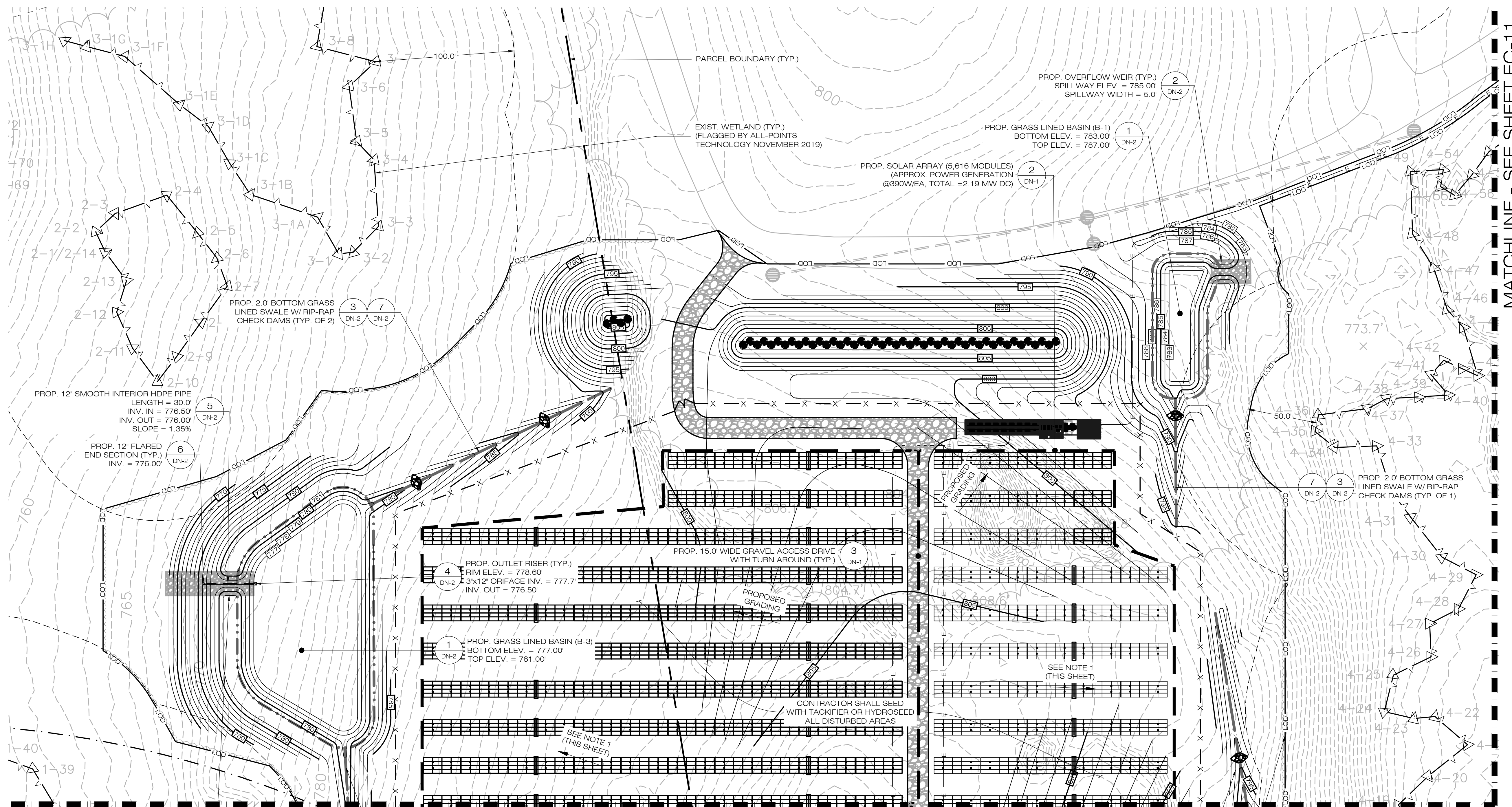
DATE: 12/30/20

**SHEET TITLE:**

**PHASE 3  
 FINAL GRADING &  
 DRAINAGE PLAN**

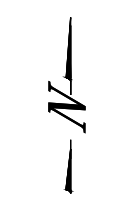
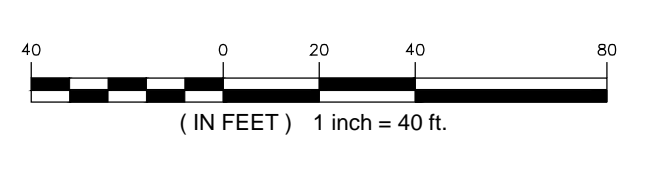
**SHEET NUMBER:**

**EC-9**



- NOTES:**
- GRADE/SHAPE AREA TO MAINTAIN EXIST. DRAINAGE PATTERNS.
  - CONTRACTOR SHALL REMOVE ALL BAFFLES AND SEDIMENT BASINS AND SWALES.
  - CONTRACTOR SHALL REPLACE TEMPORARY SEDIMENT BASIN OUTLET WITH GRAVEL OVERFLOW WEIR UPON THE SITE OR DRAINAGE AREA BEING DEEMED STABILIZED PER THE SWPCP.
  - CONTRACTOR SHALL MODIFY/REPLACE THE TEMPORARY SEDIMENT BASIN RISER AS NEEDED UPON THE SITE OR DRAINAGE AREA BEING DEEMED STABILIZED PER THE SWPCP.

**1 PHASE 3 - FINAL GRADING & DRAINAGE PLAN**  
 EC-9 SCALE: 1" = 40'-0"



MATCHLINE - SEE SHEET EC-11

MATCHLINE - SEE SHEET EC-10

**WATERTOWN SOLAR ONE, LLC**  
**150 TRUMBULL STREET**  
**4TH FLOOR**  
**HARTFORD, CT, 06103**



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

**APPROVED FOR CONSTRUCTION**

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

OWNER: CATHOLIC CEMETERIES  
 ADDRESS: 669 PLATT ROAD  
 WATERTOWN, CT 06795

**WATERTOWN SOLAR ONE, LLC**

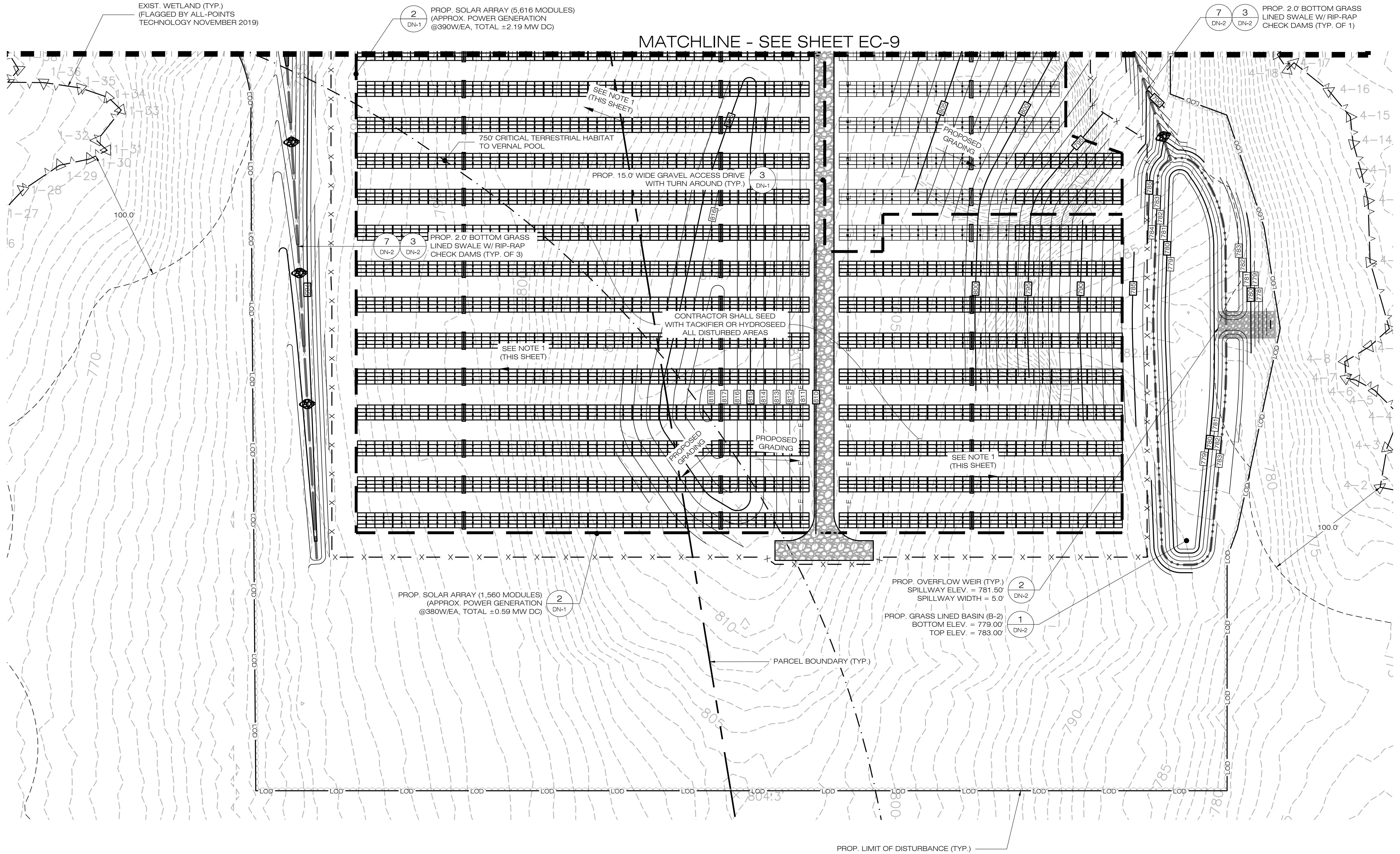
SITE: HINMAN ROAD & PLATT ROAD  
 ADDRESS: WATERTOWN, CT 06795

APT FILING NUMBER: CT590240

DRAWN BY: CSH  
 DATE: 12/30/20  
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**SHEET TITLE:**  
**PHASE 3**  
**FINAL GRADING & DRAINAGE PLAN**

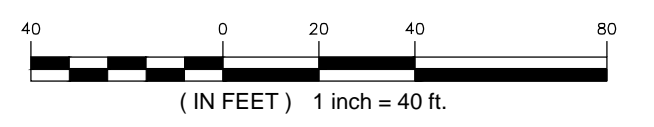
SHEET NUMBER:  
**EC-10**



- NOTES:**
- GRADE/SHAPE AREA TO MAINTAIN EXIST. DRAINAGE PATTERNS.
  - CONTRACTOR SHALL REMOVE ALL BAFFLES AND SEDIMENT BASINS AND SWALES.
  - CONTRACTOR SHALL REPLACE TEMPORARY SEDIMENT BASIN OUTLET WITH GRAVEL OVERFLOW WEIR UPON THE SITE OR DRAINAGE AREA BEING DEEMED STABILIZED PER THE SWPCP.
  - CONTRACTOR SHALL MODIFY/REPLACE THE TEMPORARY SEDIMENT BASIN RISER AS NEEDED UPON THE SITE OR DRAINAGE AREA BEING DEEMED STABILIZED PER THE SWPCP.



**1 PHASE 3 - FINAL GRADING & DRAINAGE PLAN**  
 EC-10 SCALE: 1" = 40'-0"



WATERTOWN SOLAR ONE, LLC  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



567 VAUXHAUL STREET EXTENSION - SUITE 311  
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 WATERFORD, CT 06385

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 WATERTOWN, CT 06795

WATERTOWN SOLAR ONE, LLC

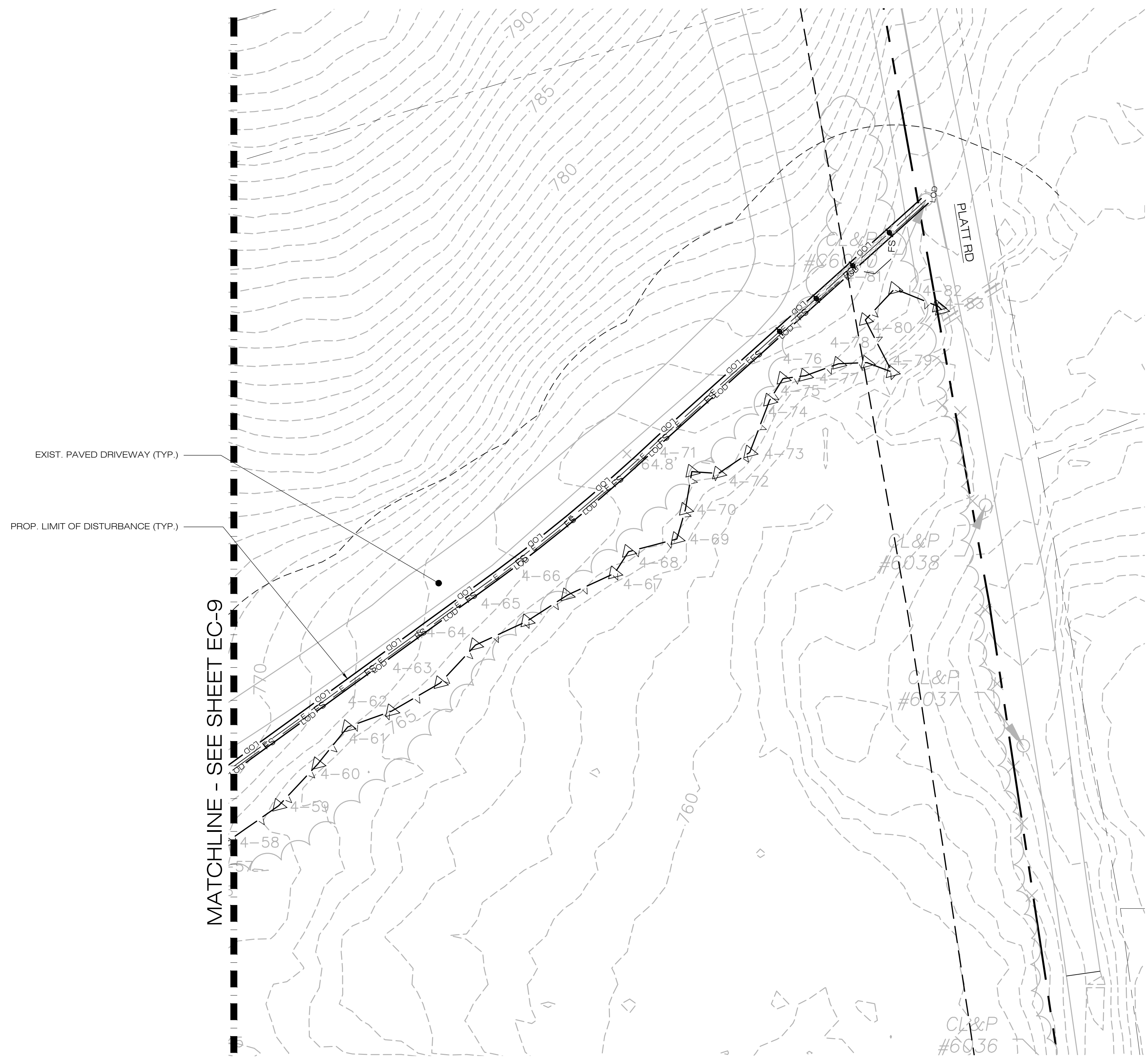
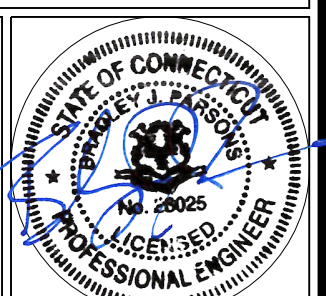
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 ADDRESS: WATERTOWN, CT 06795

APT FILING NUMBER: CT590240

DRAWN BY: CSH  
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SHEET TITLE:  
**PHASE 3  
 FINAL GRADING &  
 DRAINAGE PLAN**

SHEET NUMBER:  
**EC-11**



**1 PHASE 3 - FINAL GRADING & DRAINAGE PLAN**  
 SCALE: 1" = 40'-0"  
 (IN FEET) 1 inch = 40 ft.

**WATERTOWN SOLAR ONE, LLC**  
**150 TRUMBULL STREET**  
**4TH FLOOR**  
**HARTFORD, CT, 06103**



567 VAUXHAUL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385 PHONE: (860)-663-1697  
 WWW.ALLPOINTSTECH.COM FAX: (860)-663-9335

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**ADD: 567 VAUXHAUL STREET**  
**EXTENSION - SUITE 311**  
**WATERFORD, CT 06385**

**OWNER: CATHOLIC CEMETERIES**  
**ADDRESS: 669 PLATT ROAD**  
**WATERTOWN, CT 06795**

**WATERTOWN SOLAR ONE, LLC**

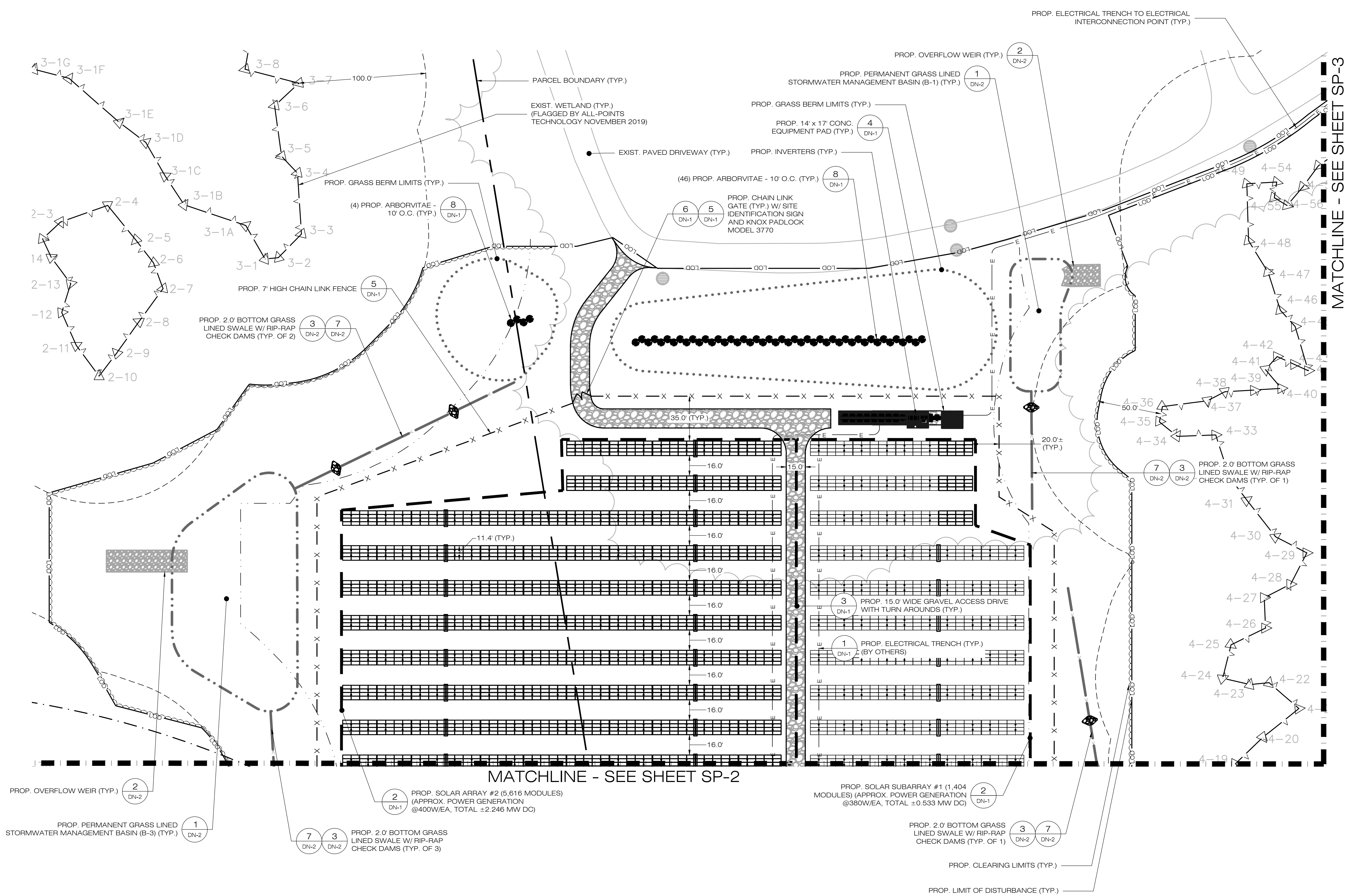
**SITE HINMAN ROAD & PLATT ROAD**  
**ADDRESS: WATERFORD, CT 06795**

**APT FILING NUMBER: CT590240**

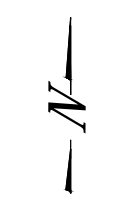
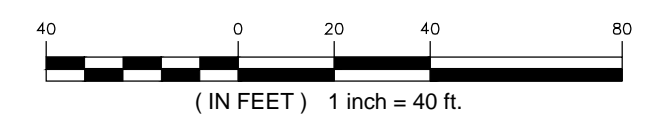
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**DATE: 12/30/20**  
**CHECKED BY: BJP**

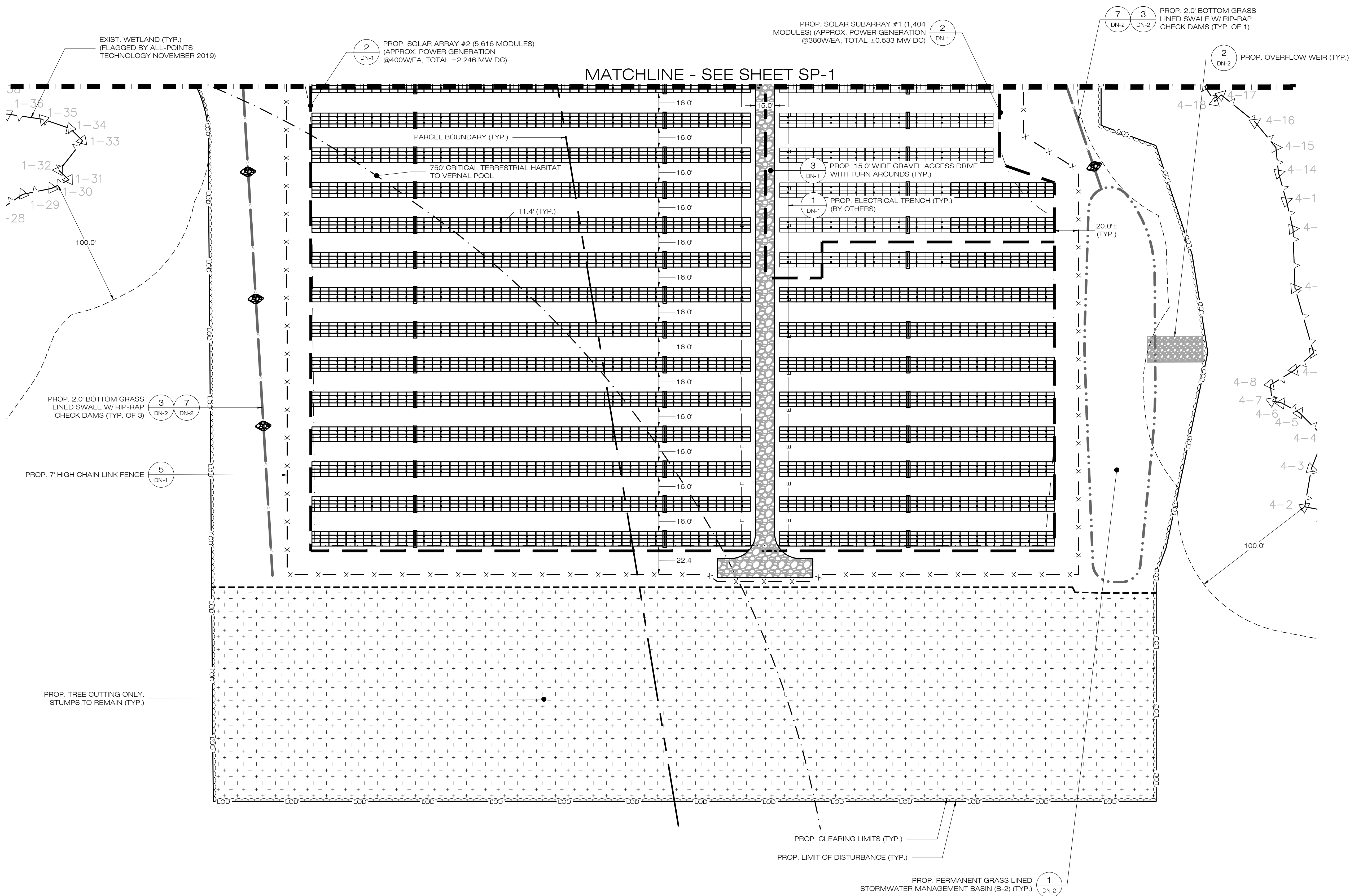
**SHEET TITLE:**  
**SITE & UTILITY PLAN**

**SHEET NUMBER:**  
**SP-1**



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





**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103

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

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 WATERFORD, CT 06385

OWNER: CATHOLIC CEMETERIES  
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**WATERTOWN SOLAR ONE, LLC**

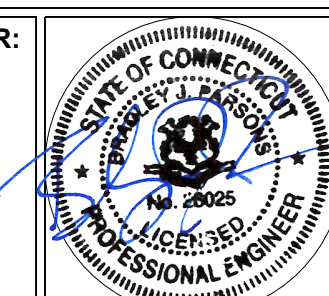
SITE: HINMAN ROAD & PLATT ROAD  
 ADDRESS: WATERFORD, CT 06795

APT FILING NUMBER: CT590240

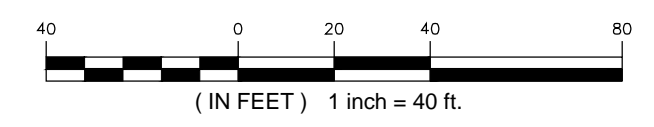
DATE: 12/30/20 DRAWN BY: CSH  
 CHECKED BY: BJP

**SHEET TITLE:**  
 SITE & UTILITY PLAN

SHEET NUMBER:  
**SP-2**



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



**WATERTOWN SOLAR ONE, LLC**  
 150 TRUMBULL STREET  
 4TH FLOOR  
 HARTFORD, CT, 06103



567 VAUXHAUL STREET EXTENSION - SUITE 311  
 WATERFORD, CT 06385 PHONE: (860)-663-1697  
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 WATERFORD, CT 06385

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**WATERTOWN SOLAR ONE, LLC**

SITE: HINMAN ROAD & PLATT ROAD  
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APT FILING NUMBER: CT590240

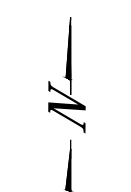
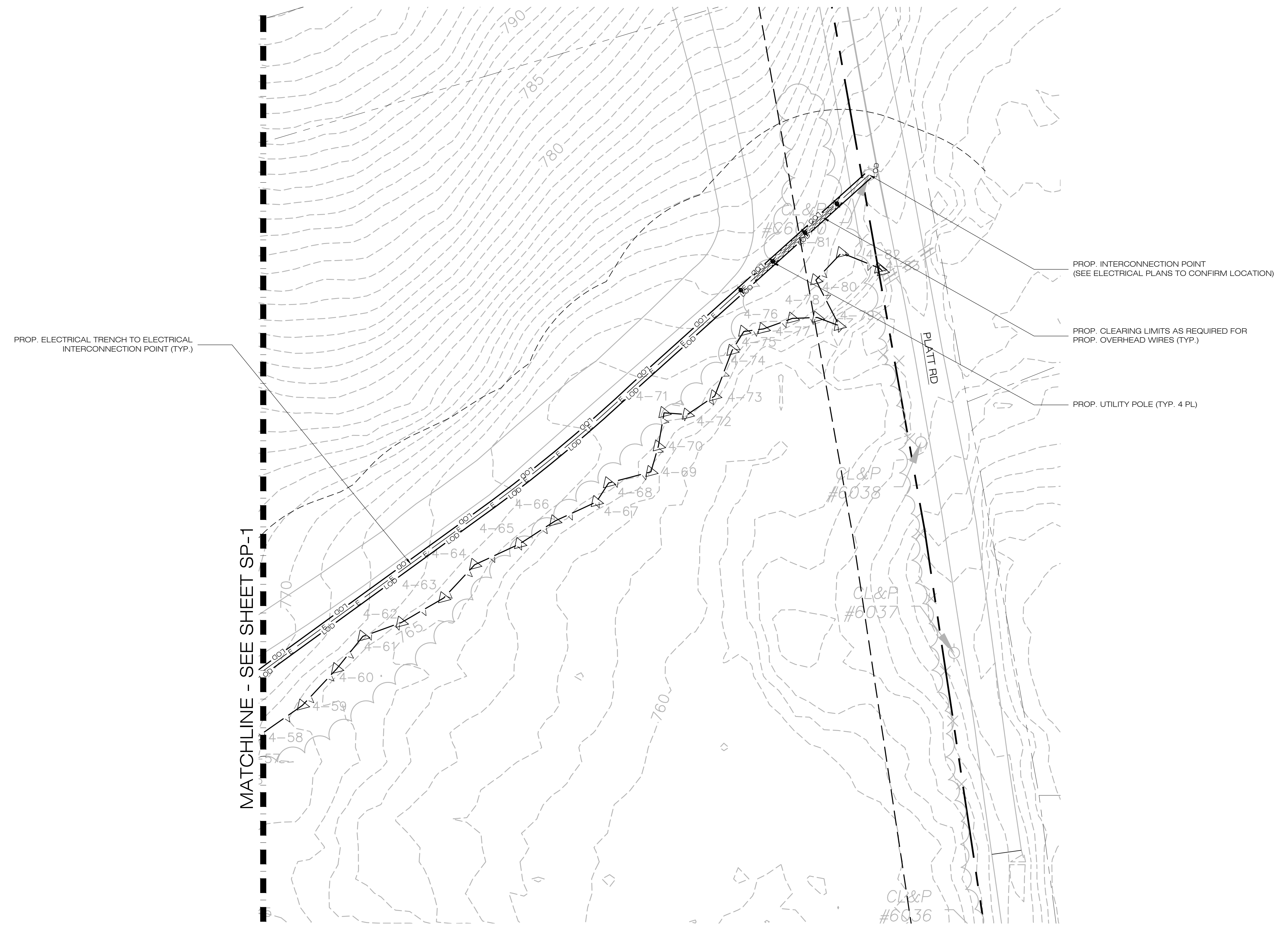
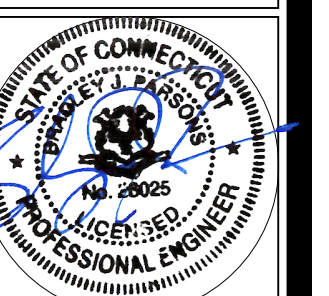
DRAWN BY: CSH  
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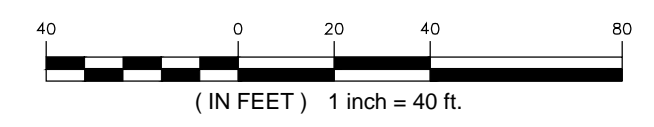
**SITE & UTILITY PLAN**

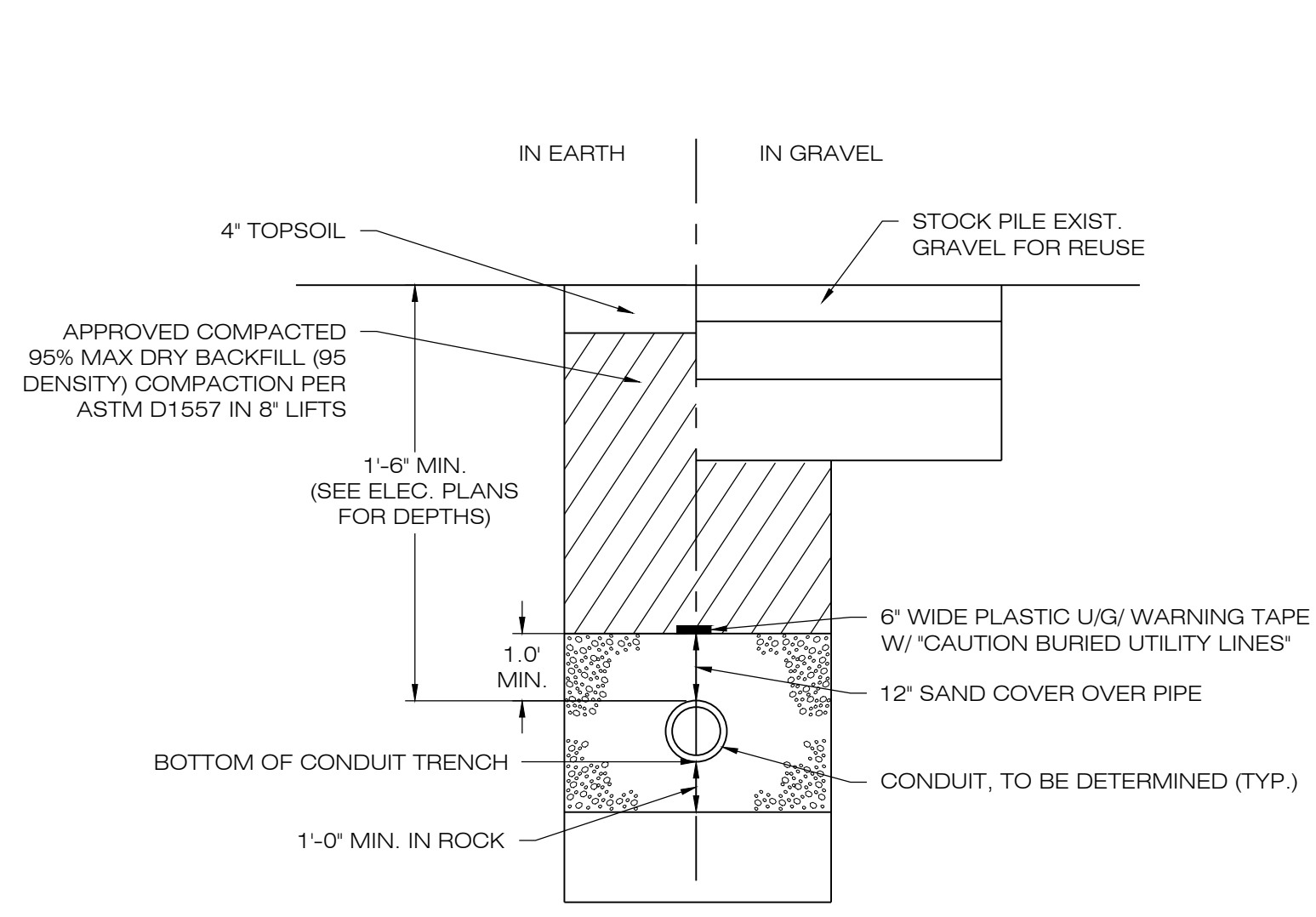
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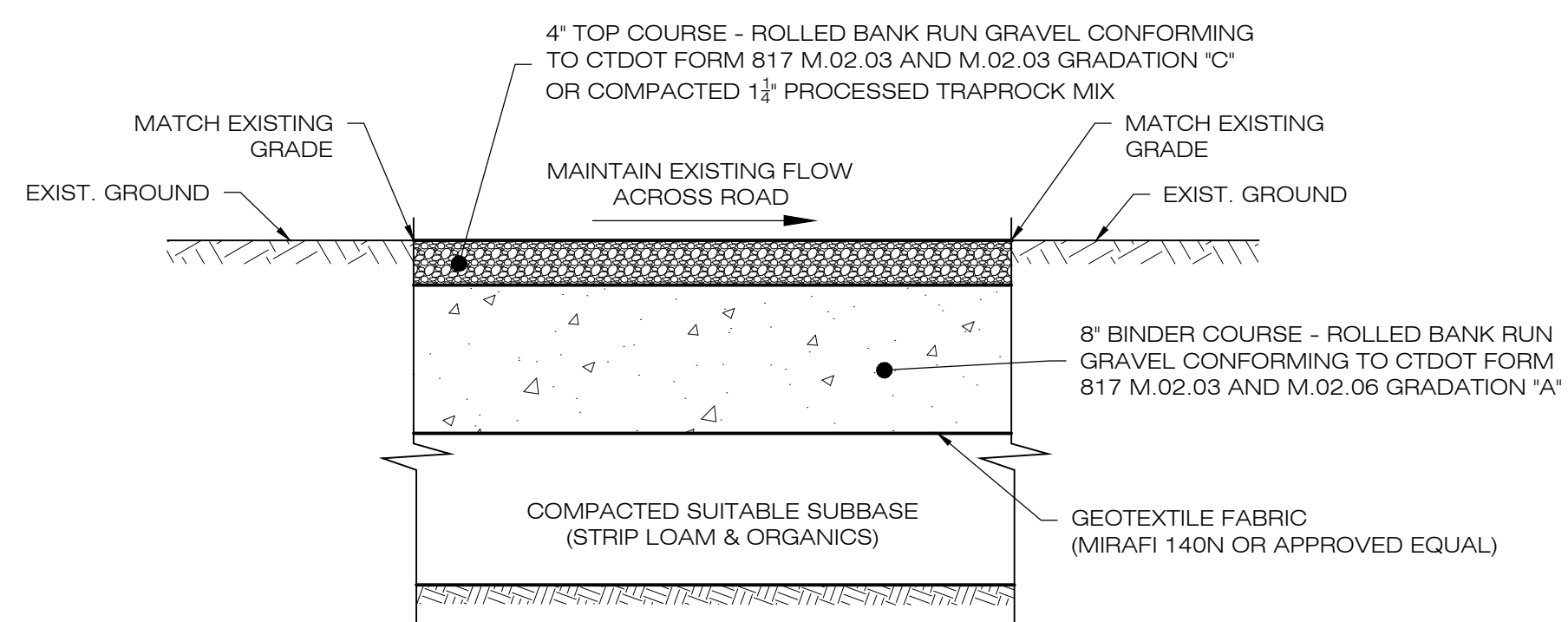


**1 SITE & UTILITY PLAN**  
 SP-3 SCALE: 1" = 40'-0"



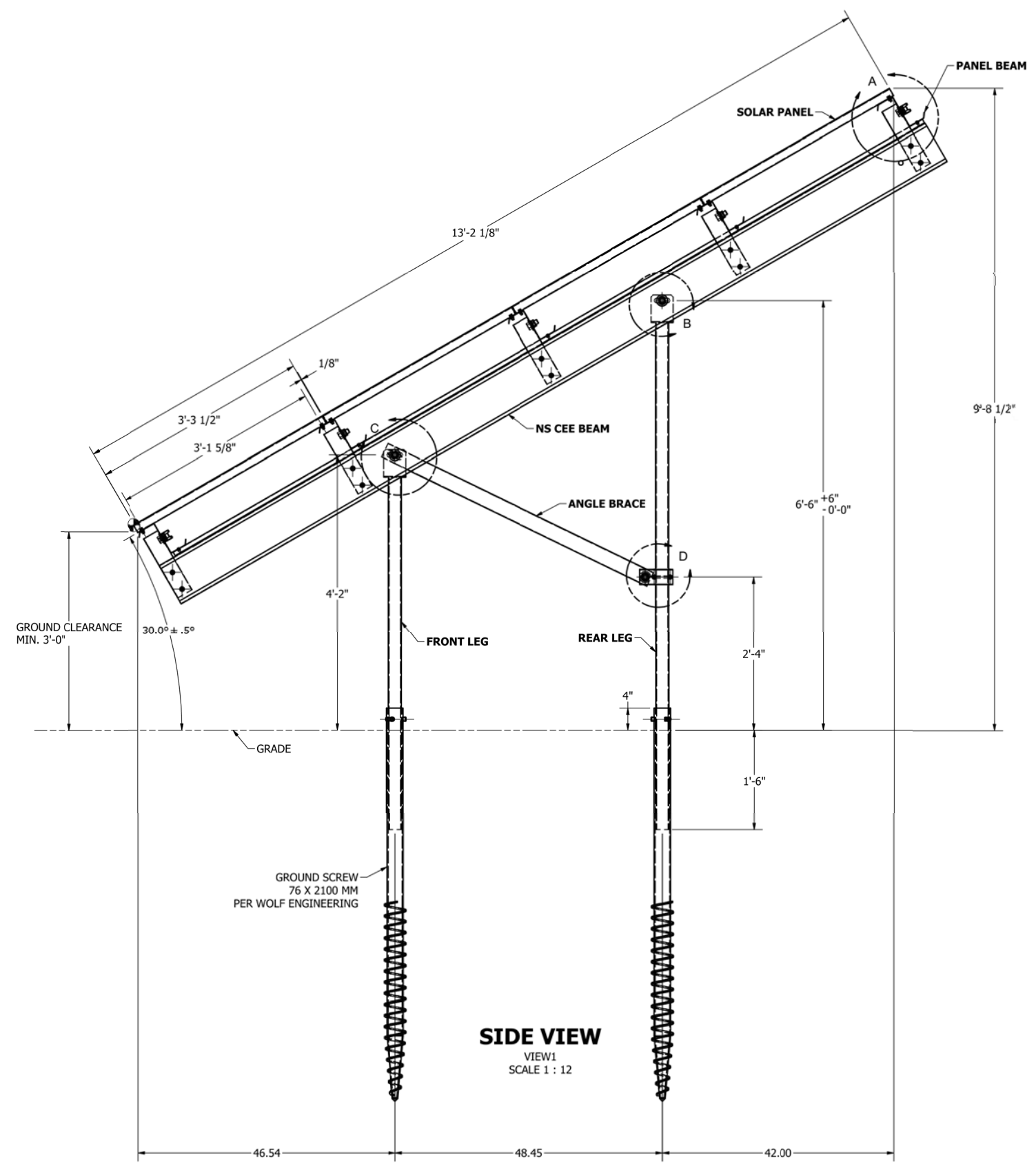


**1 ELECTRICAL TRENCH DETAIL**  
DN-1 SCALE : N.T.S.



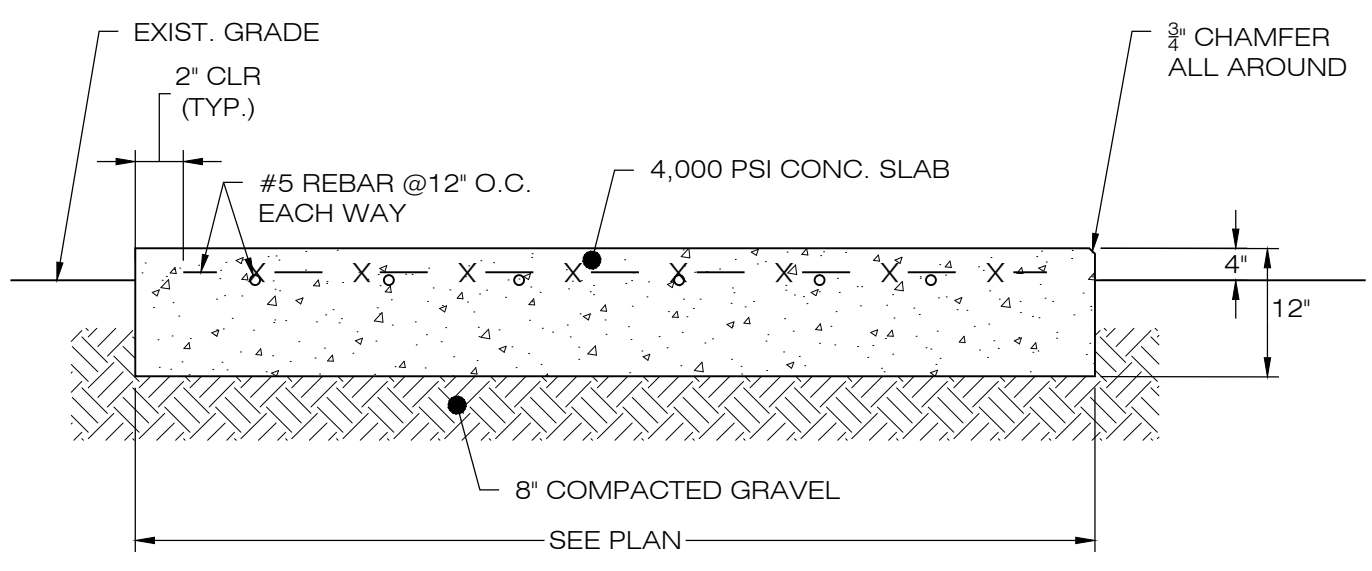
- NOTES:
- SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY.
  - SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE MATERIALS.
  - CONTRACTOR SHALL INSTALL ACCESS ROAD FLUSH WITH EXISTING GRADE TO ENSURE DRAINAGE FLOW PATHS ARE MAINTAINED.
  - SEE PLAN VIEW SHEETS FOR ROAD WIDTH.

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

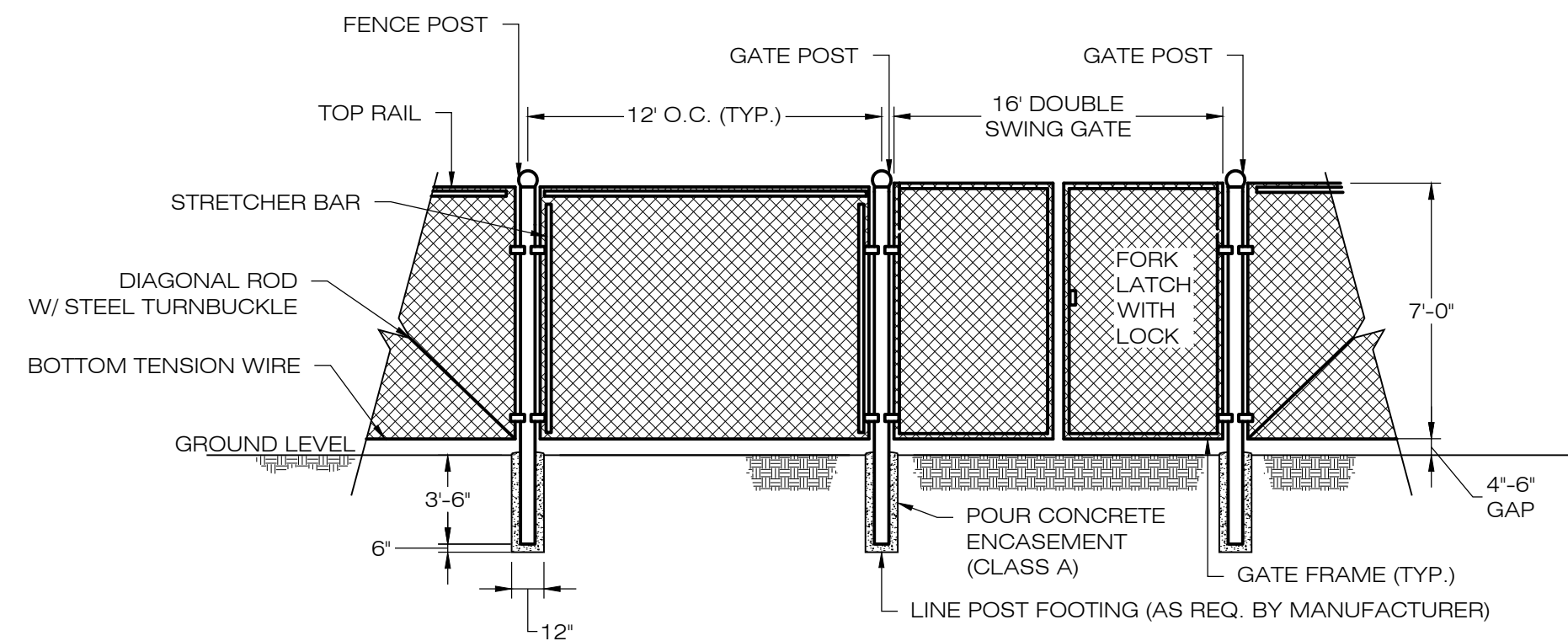


NOTES:  
SEE MANUFACTURER'S DETAIL SHEETS FOR ADDITIONAL INFORMATION REGARDING RACKING SYSTEM REQUIREMENTS AND INSTALLATION PROCEDURES. RACKING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

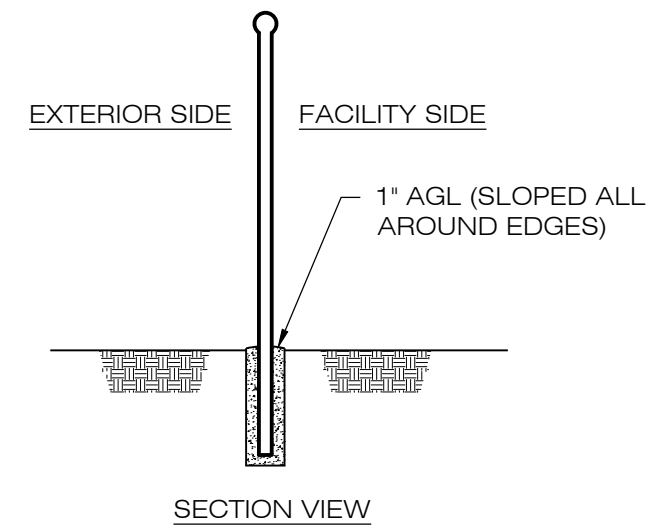
**2 TYPICAL POST MOUNTED RACKING SYSTEM**  
DN-1 SCALE : N.T.S.



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



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



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

WATERTOWN SOLAR ONE, LLC  
IN CASE OF EMERGENCY  
CALL T.B.D.

NOTES:  
EMERGENCY CALL NUMBER TO BE PROVIDED ONCE DETERMINED.



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

Date: June 28, 2020

**Showy Northeast Native Wildflower Mix - ERNMX-153-1**

Botanical Name	Common Name	Price/lb
20.10 % <i>Echinacea purpurea</i>	Purple Coneflower	39.60
12.00 % <i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis	26.40
12.00 % <i>Rudbeckia hirta</i> , Coastal Plain NC Ecotype	Blackeyed Susan, Coastal Plain NC Ecotype	22.00
10.00 % <i>Chamaecrista fasciculata</i> , PA Ecotype	Partridge Pea, PA Ecotype	6.60
7.00 % <i>Heliopsis helianthoides</i> , PA Ecotype	Oxeye Sunflower, PA Ecotype	30.80
6.40 % <i>Tradescantia ohiensis</i> , PA Ecotype	Ohio Spiderwort, PA Ecotype	231.00
5.00 % <i>Liatris spicata</i>	Marsh Blazing Star	231.00
3.50 % <i>Aster oblongifolius</i> , PA Ecotype	Aromatic Aster, PA Ecotype	396.00
3.50 % <i>Aster prenanthoides</i> , PA Ecotype	Zigzag Aster, PA Ecotype	396.00
3.00 % <i>Zizia aurea</i> , PA Ecotype	Golden Alexanders, PA Ecotype	264.00
2.00 % <i>Aster laevis</i> , NY Ecotype	Smooth Blue Aster, NY Ecotype	396.00
2.00 % <i>Aster novae-angliae</i> , PA Ecotype	New England Aster, PA Ecotype	396.00
2.00 % <i>Baptisia australis</i> , Southern WV Ecotype	Blue False Indigo, Southern WV Ecotype	88.00
1.50 % <i>Asclepias tuberosa</i>	Butterfly Milkweed	396.00
1.50 % <i>Pycnanthemum tenuifolium</i>	Narrowleaf Mountainmint	154.00
1.50 % <i>Senna hebecarpa</i> , VA & WV Ecotype	Wild Senna, VA & WV Ecotype	26.40
1.20 % <i>Monarda fistulosa</i> , Fort Indiantown Gap-PA Ecotype	Wild Bergamot, Fort Indiantown Gap-PA Ecotype	105.60
1.10 % <i>Solidago nemoralis</i> , PA Ecotype	Gray Goldenrod, PA Ecotype	396.00
1.00 % <i>Eupatorium coelestinum</i> , VA Ecotype	Mistflower, VA Ecotype	281.60
1.00 % <i>Geum canadense</i> , PA Ecotype	White Avena, PA Ecotype	176.00
1.00 % <i>Penstemon digitalis</i> , PA Ecotype	Tall White Beardtongue, PA Ecotype	176.00
0.60 % <i>Coreopsis tripteris</i> , PA Ecotype	Tall Coreopsis, PA Ecotype	308.00
0.50 % <i>Senna maillandica</i>	Maryland Senna	26.40
0.20 % <i>Oenothera fruticosa</i> var. <i>fruticosa</i>	Sundrops	330.00
0.20 % <i>Solidago odora</i> , PA Ecotype	Licorice Scented Goldenrod, PA Ecotype	352.00
0.10 % <i>Penstemon hirsutus</i>	Hairy Beardtongue	440.00
0.10 % <i>Rudbeckia fulgida</i> var. <i>fulgida</i> , Northern VA Ecotype	Orange Coneflower, Northern VA Ecotype	352.00

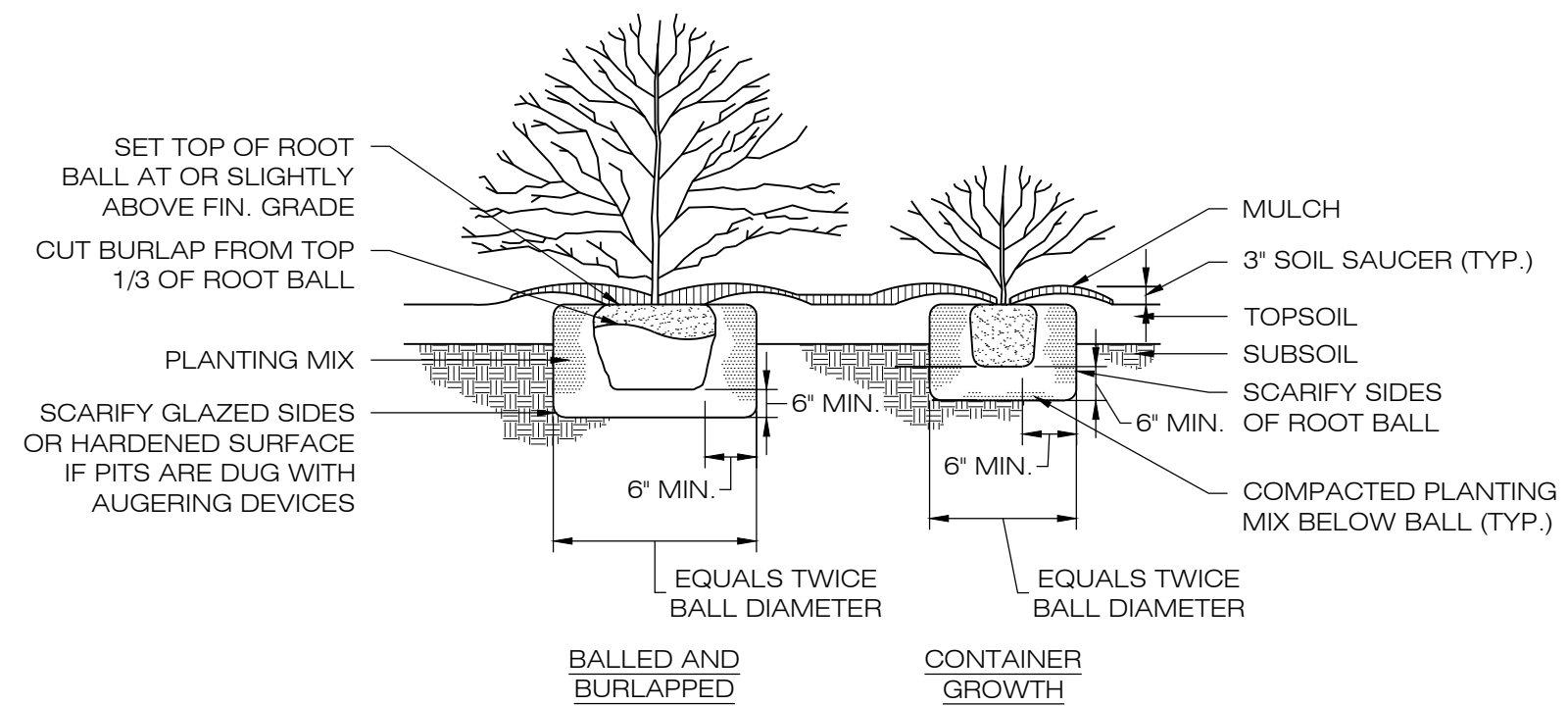
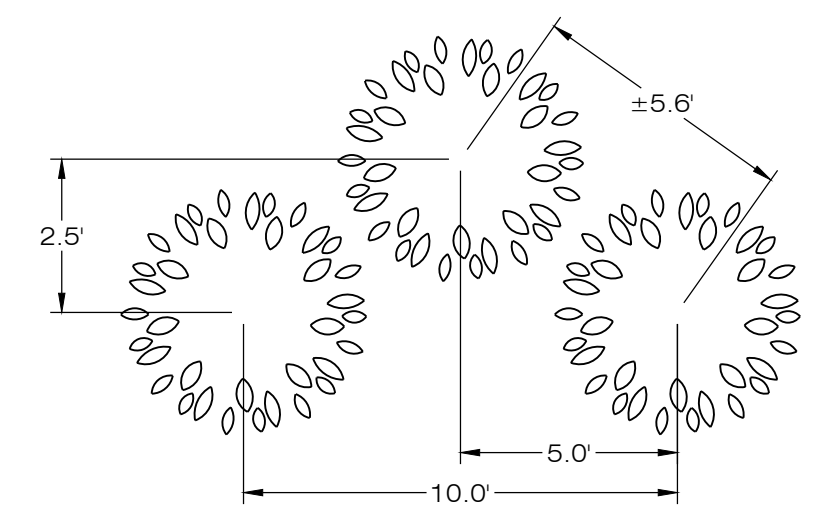
**100.00 %** **Mix Price/lb Bulk: \$120.90**

**Seeding Rate:** 5-10 lb per acre with 20 lb per acre of a cover crop (grain oats, Jan 1-Aug 1; grain rye, Aug 1-Jan 1)

Pollinator Favorites; Uplands & Meadows

Contains the showiest native forbs common in the Northeast. Excellent for wildlife food and shelter, including pollinators. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.

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



NOTES:  
IN AREAS OF MASS PLANTINGS, CONTINUOUSLY EXCAVATE AND MULCH ENTIRE BED..

**8 TYPICAL PLANTING DETAIL**  
DN-1 SCALE : N.T.S.

**WATERTOWN SOLAR ONE, LLC**  
150 TRUMBULL STREET  
4TH FLOOR  
HARTFORD, CT, 06103



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WATERFORD, CT 06385

OWNER: CATHOLIC CEMETERIES  
ADDRESS: 669 PLATT ROAD  
WATERTOWN, CT 06795

**WATERTOWN SOLAR ONE, LLC**

SITE HINMAN ROAD & PLATT ROAD  
ADDRESS: WATERTOWN, CT 06795

APT FILING NUMBER: CT590240

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CHECKED BY: BJP

**SITE DETAILS**

SHEET NUMBER: **DN-1**

**WATERTOWN SOLAR ONE, LLC**  
**150 TRUMBULL STREET**  
**4TH FLOOR**  
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**ADD: 567 VAUXHAUL STREET**  
**EXTENSION - SUITE 311**  
**WATERFORD, CT 06385**

**OWNER: CATHOLIC CEMETERIES**  
**ADDRESS: 669 PLATT ROAD**  
**WATERTOWN, CT 06795**

**WATERTOWN SOLAR ONE, LLC**

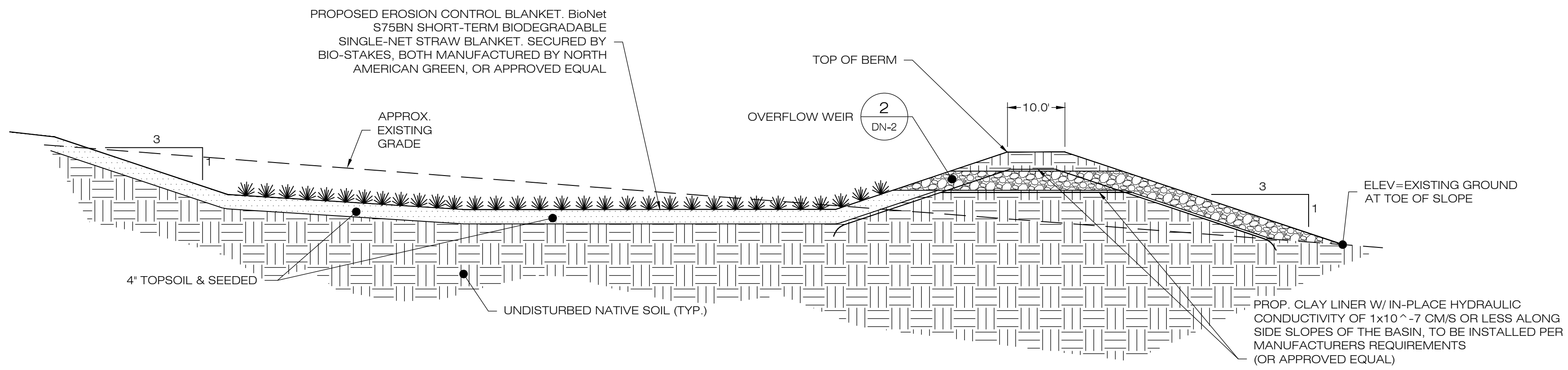
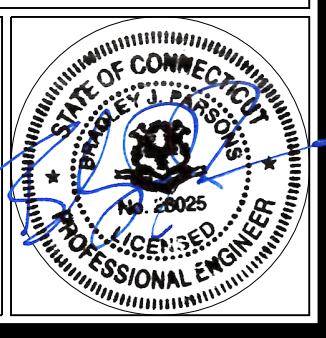
**SITE HINMAN ROAD & PLATT ROAD**  
**ADDRESS: WATERTOWN, CT 06795**

**APT FILING NUMBER: CT590240**

**DRAWN BY: CSH**  
**DATE: 12/30/20**  
**CHECKED BY: BJP**

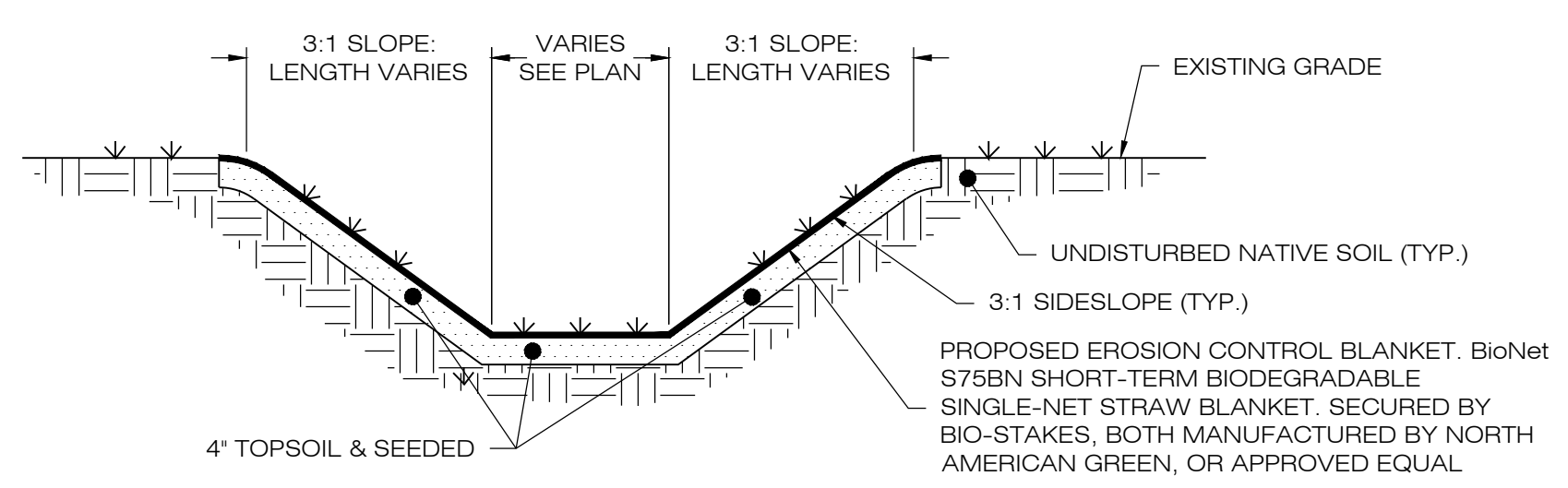
**SHEET TITLE:**  
**SITE DETAILS**

**SHEET NUMBER:**  
**DN-2**



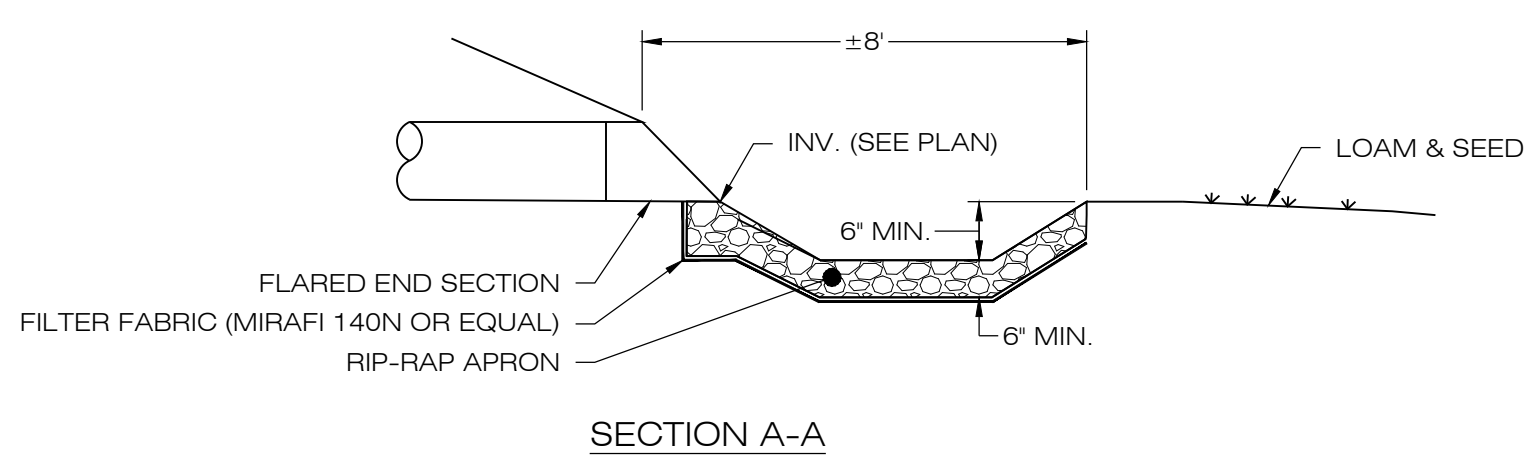
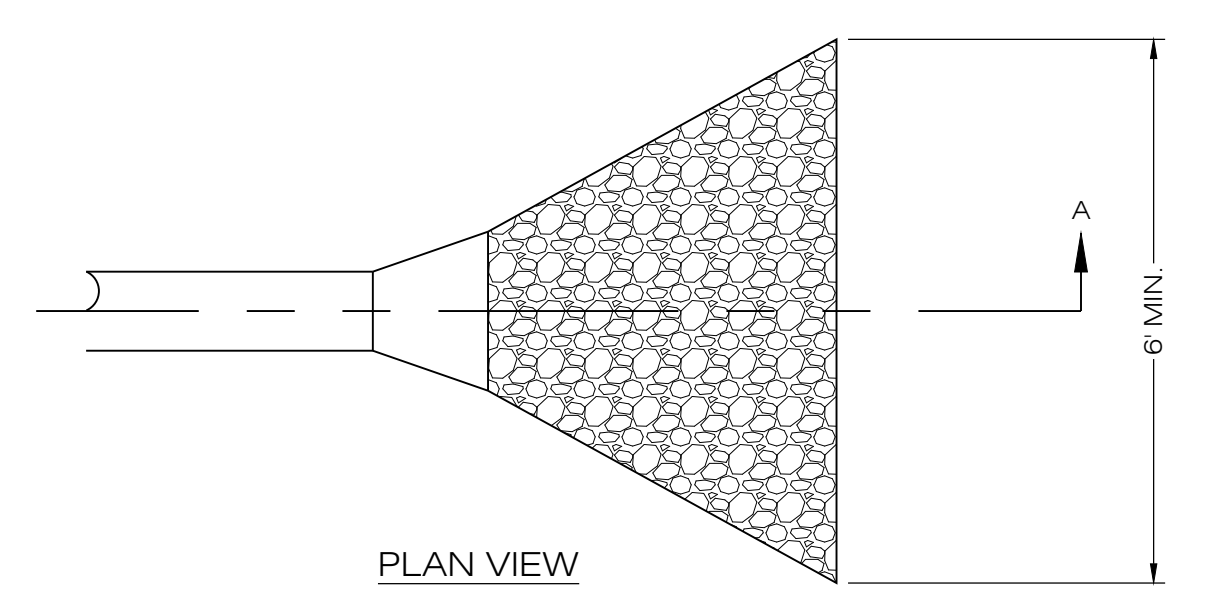
- NOTES:**
- SEED MIX TO BE NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND NEW ENGLAND EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.
  - FOR CONVERTING TSB TO INFILTRATION BASIN, REMOVE BAFFLES, CLEAN OUT SEDIMENT, RESHAPE AS REQUIRED.
  - INSPECT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

**1 GRASS LINED 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.

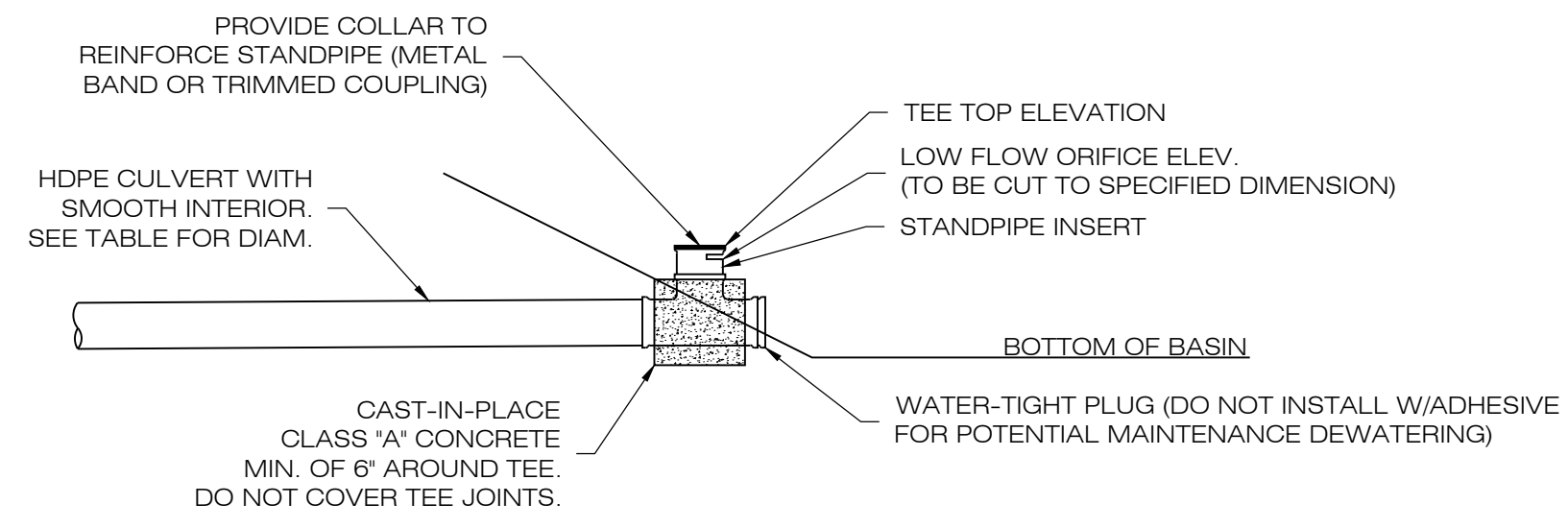
**3 GRASS LINED SWALE**  
 DN-2 SCALE: N.T.S.



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

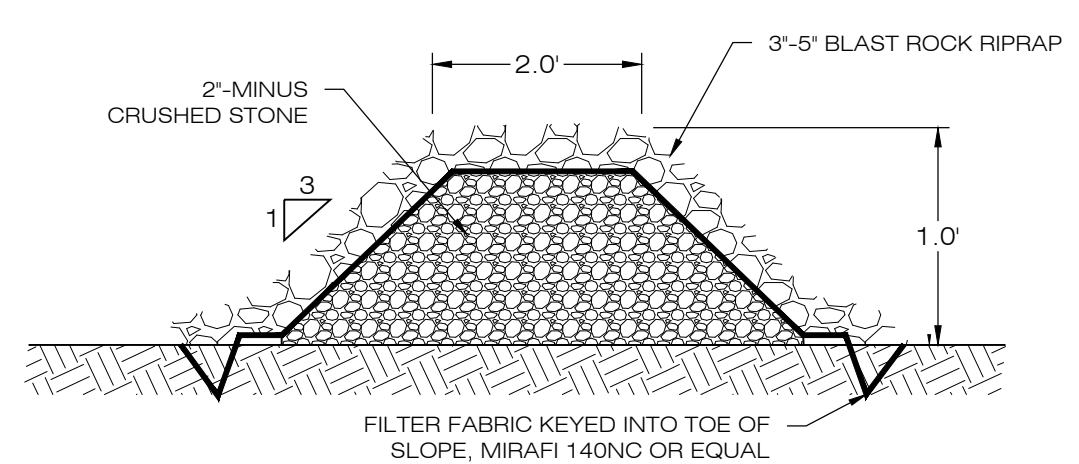
**HDPE OUTLET RISER SIZING TABLE**

BASIN	TEE TOP ELEV. (FT)	LOW FLOW ORIFICE ELEV. (FT)	LOW FLOW ORIFICE DIMENSION (FT)	OUTLET PIPE SIZE (IN.)	OUTLET PIPE LENGTH (FT)	OUTLET PIPE SLOPE (%)	OUTLET PIPE INV. ELEV. AT STRUCTURE (FT)	OUTLET PIPE INV. AT OUTFALL (FT)
B-3	778.60	777.70	WIDTH = 12.0' HEIGHT = 3.0'	12	37.0	1.35	776.50	776.00



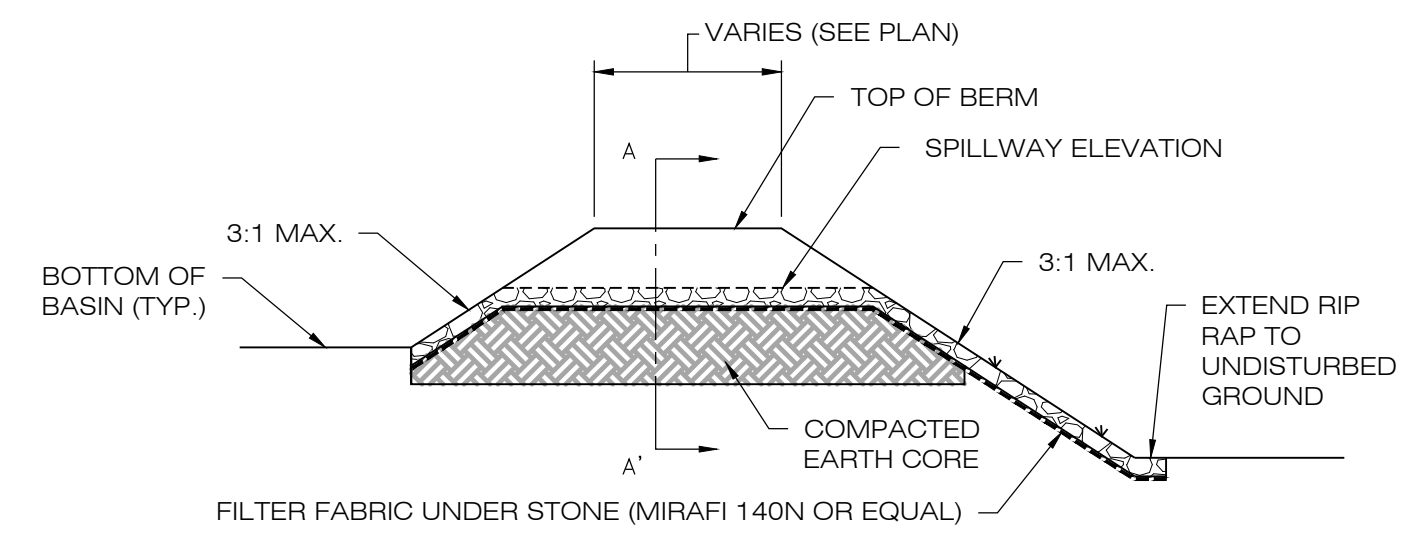
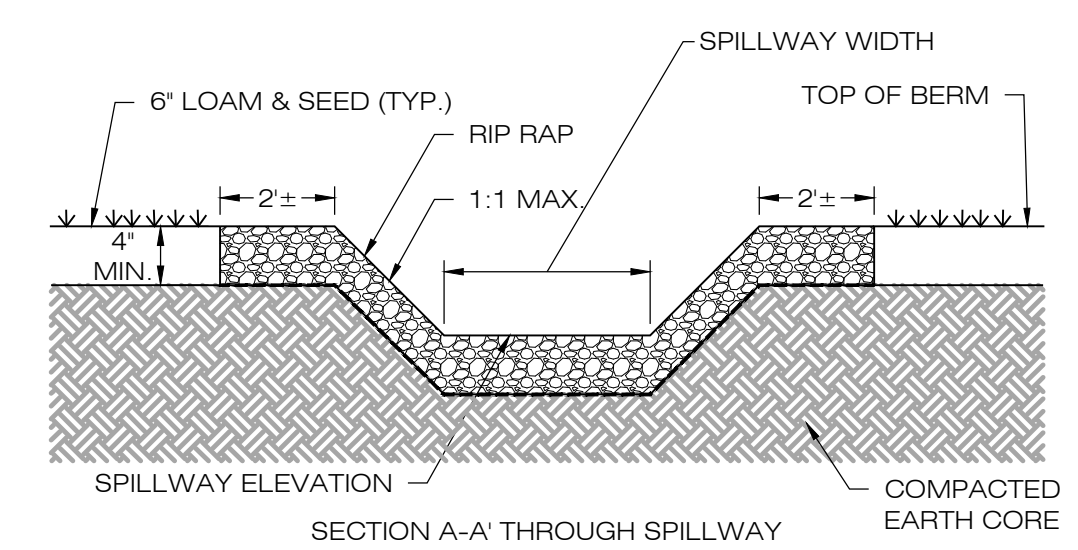
- NOTES:**
- TEE TO BE ADS ADVANEDGE (TM) FABRICATED TEE OR APPROVED EQUAL. CONTRACTOR TO MODIFY TEE AS NEEDED.

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

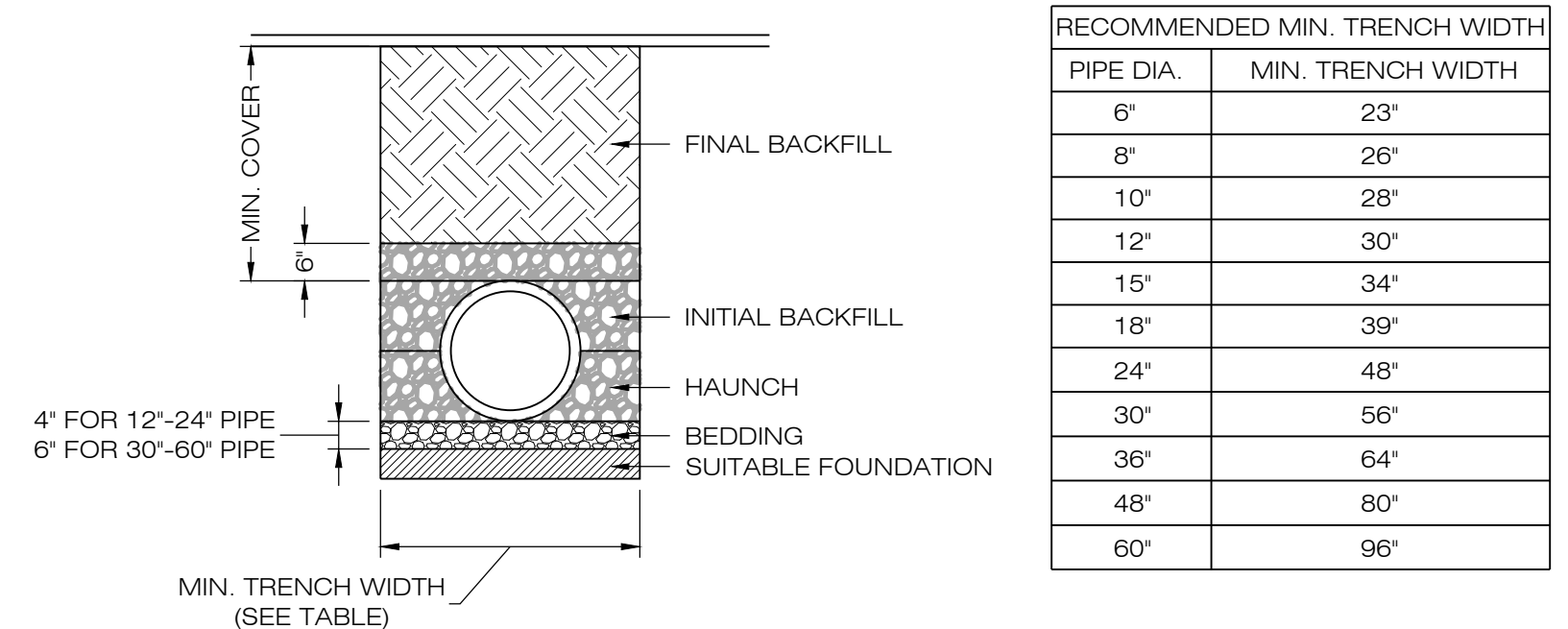


- NOTES:**
- STONE SHALL BE PLACED MECHANICALLY OR BY HAND. STONE SHALL NOT BE DUMPED DIRECTLY INTO FOREBAY. SEE GRADING AND DRAINAGE PLAN.

**7 STONE CHECK DAM**  
 DN-2 SCALE: N.T.S.



**2 OVERFLOW WEIR DETAIL**  
 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 FLOATATION. 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.