

# LSE SEXTANS LLC & LSE SEXTANS II LLC

## "LOVERS LANE SOLAR"

### LOVERS LANE TORRINGTON, CT

#### LIST OF DRAWINGS

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- 1 OF 1 PROPERTY/BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY MARTIN SURVEYING ASSOCIATES, LLC**
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- DN-2 SITE DETAILS**

#### SITE INFORMATION

SITE NAME: "LOVERS LANE SOLAR"

LOCATION: LOVERS LANE  
TORRINGTON, CT

SITE TYPE/DESCRIPTION: ADD (2) GROUND MOUNTED SOLAR PANEL ARRAY W/  
ASSOCIATED EQUIPMENT. GRAVEL ACCESS DRIVE.  
NORTHERN ARRAY - 2,824 540W MODULES, 1.0 MW AC  
SOUTHERN ARRAY - 4,746 540W MODULES, 2.0 MW AC  
TOTAL MW AC - 3.0 MW AC.

PROPERTY OWNER: CLOVER RIDGE LLC  
40 TOWER LANE STE 201  
AVON, CT 06001

APPLICANTS: LSE SEXTANS LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001

LSE SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001

ENGINEER CONTACT: THOMAS E. LITTLE, P.E.  
(860) 552-2046

LATITUDE: N 41° 48' 47.17"  
LONGITUDE: W 73° 09' 16.07"

MBLU: 221-3-1 & 222-4-26  
ZONE: R40 & RRC

TOTAL SITE ACREAGE: 54.08± AC.  
TOTAL DISTURBED AREA: 17.19± AC.

APPROX. VOLUME OF CUT: 8,348± CY  
APPROX. VOLUME OF FILL: 1,467± CY  
APPROX. NET VOLUME: 6,881± CY OF CUT

#### USGS TOPOGRAPHIC MAP



SOURCE: USGS 7.5 WEST TORRINGTON QUADRANGLE, CT 2021

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

#### CSC PERMIT SET

NO	DATE	REVISION
1	07/26/24	CSC SUBMISSION
2		
3		
4		
5		
6		
7		

#### 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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

#### LOVERS LANE SOLAR

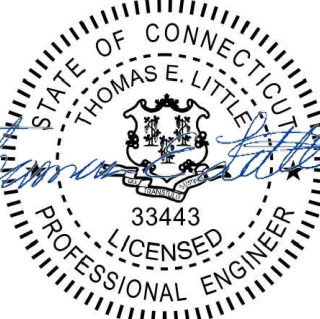
SITE	LOVERS LANE
ADDRESS:	TORRINGTON, CT
APT FILING NUMBER:	CT606190
	DRAWN BY: TEL
DATE: 04/22/2024	CHECKED BY: RCB

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1



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/BOUNDARY AND TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT EXISTING CONDITIONS UPON THE SUBJECT PARCELS AS THEY RELATE TO THE ADJACENT PROPERTY/BOUNDARY LINES.
- THE PROPERTY/BOUNDARY DETERMINATION/OPINION DEPICTED HEREON CONFORMS TO A CLASS A-2 ACCURACY. PARCEL, 222-4-26 IS BASED UPON A RESURVEY OF MAP REFERENCE 'A'. PARCEL 221-3-1 IS BASED UPON A FIRST 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-3 ACCURACY.
- 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 18. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON MARCH 13, 2023, USING THE CT DOT RTK NETWORK KNOWN AS ACORN (CTWI BASE), HAVING THE FOLLOWING VALUES:

LATITUDE = N 41° 53' 51.90745"  
LONGITUDE = W 73° 04' 10.96847"  
ELLIPSOID HEIGHT = 192.098M

MAP NOTES (CONTINUED):

- CONTOURS AND GROUND RELIEF ELEVATIONS DEPICTED HEREON ARE BASED UPON THE LIDAR DATA SET OF 2016 COMPILED BY THE STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, QUALITY LEVEL 2, AVAILABLE AT CTeco.UCONN.EDU. SAID DATA SET WAS FIELD VERIFIED AT VARIOUS LOCATIONS.
- THE FIELD SURVEY WAS COMPLETED ON APRIL 12, 2023.
- UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON ARE BASED UPON OBSERVABLE SURFACE 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 WETLAND DELINEATION DEPICTED HEREON IS BASED UPON AN ELECTRONIC DRAWING FILE PROVIDE BY THE CLIENT "3995 FOR LODESTAR-UPDATED WETLAND.DWG"

N/F  
GEORGE W. & EATON KLUG  
MBL: 216/003/001/2

MAP REFERENCES:

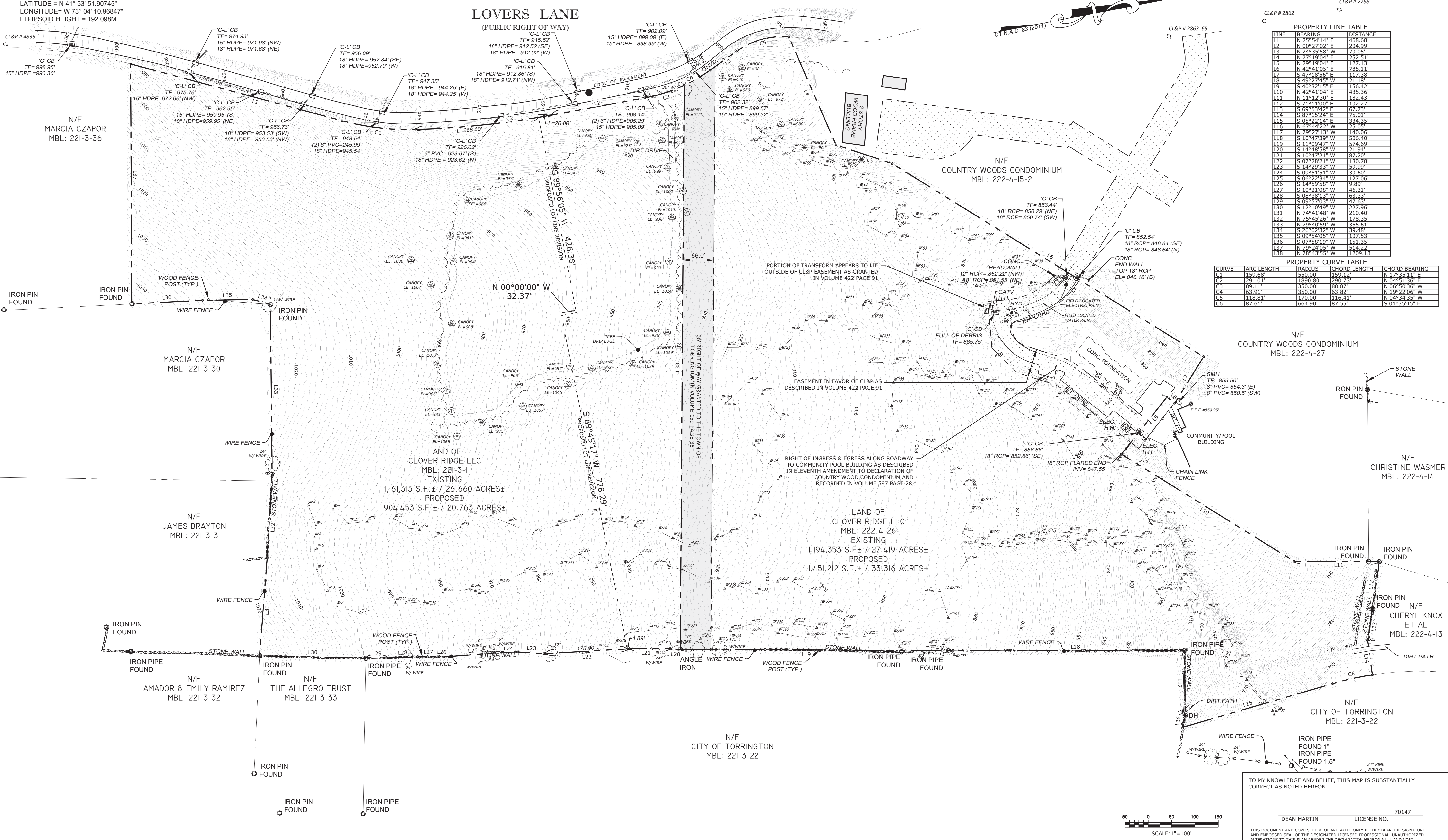
- "PROPERTY OF FIFTH BRT DEVELOPMENT CORPORATION LOVERS LANE TORRINGTON, CONNECTICUT" SCALE: 1"=100'; DATED: SEPTEMBER, 1986; BY: WILLIAM A. BERGLUND.
- "SURVEY OF PROPERTY BELONGING TO JAMES A & HARRIET M. HANDS TORRINGTON, CONNECTICUT" SCALE: 1"=50'; DATED: DECEMBER 30, 1983; BY: DOUGLAS G. LITTLE.
- "WESTLEDGE PROPERTY OF J.F.C. ASSOCIATES RESUBDIVISION TORRINGTON CONNECTICUT" SCALE: 1"=40'; DATED: MAY, 1984; BY: DONALD DUFFY.
- "MAP PREPARED FOR FIFTH DEVELOPMENT CORPORATION ROUTE 4 & LOVERS LANE TORRINGTON, CONNECTICUT" SCALE: 1" 50'; DATED: JULY, 1986; BY: WILLIAM A. BERGLUND.

MAP REFERENCES (CONTINUED):

- "MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE CONNECTICUT LIGHT AND POWER COMPANY ACROSS THE PROPERTY OF REI IV LIMITED PARTNERSHIP LOVERS LANE TORRINGTON, CONNECTICUT" SCALE: 1"=40'; DATED: AUGUST, 1987; BY: WILLIAM A. BERLUND.
- "SUBDIVISION OF A PORTION OF THE GEORGE E. KLUG [PROPERTY TO BE CONVEYED TO ROBERT A & JACQUELINE C. MACKENZIE TORRINGTON, CONNECTICUT" SCALE: 1"=40'; DATED: JULY 27, 1987.
- "COUNTRY WOODS CONDOMINIUMS PHASES A,B,C,D,E,F & G LOVERS LANE TORRINGTON, CONNECTICUT" SCALE: 1"=100'; DATED: FEBRUARY, 1990; BY: WILLIAM A. BERLUND.
- "COUNTRY WOODS CONDOMINIUMS PHASE 'H' LOVERS LANE TORRINGTON, CONNECTICUT" SCALE: 1"100'; DATED: MARCH 1994; BY: WILLIAM BERLUND.



SITE LOCATION MAP (NOT TO SCALE)



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



**Surveying Associates, LLC**  
201 CHRISTIAN LANE, BERLIN, CT 06037  
860-832-9328  
WWW.MARTINSURVEY.COM

REVISIONS:  
2024-04-10: REVISED PROPOSED LOT LINE LOCATION

**PROPERTY/BOUNDARY & TOPOGRAPHIC SURVEY**  
**LAND OF CLOVER RIDGE LLC**  
**MAP: 221 BLOCK: 3 LOT: 1**  
**&**  
**MAP: 222 BLOCK: 4 LOT: 26**  
**LOVERS LANE**  
**TORRINGTON, CONNECTICUT**

MSA PROJECT NO: 22-123

SCALE: 1"=100'  
DATE: 2024-04-13

DRAWN BY: G.S.D.  
CHECKED BY: D.G.M.

SHEET:

1 OF 1

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

DEAN MARTIN LICENSE NO. 70147

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.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH PROJECT DEVELOPER STANDARDS, CITY OF TORRINGTON 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, CITY OF TORRINGTON, 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 CITY OF TORRINGTON 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 CITY OF TORRINGTON.
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.

SITE PLAN NOTES

1. THE SURVEY WAS PROVIDED BY MARTIN SURVEYING ASSOCIATES DATED APRIL 13, 2023.
2. THERE ARE BORDERING VEGETATED WETLANDS (BVW/S) LOCATED ON THE SITE AS INDICATED ON THE PLANS. BVW BOUNDARIES WERE FLAGGED AND LOCATED BY IAN T. COLE, LLC IN NOVEMBER 2022 AND MODIFIED AND VERIFIED BY ALL-POINTS TECHNOLOGY CORPORATION, IN FEBRUARY 2023.
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 'SEDIMENTATION 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 CITY OF TORRINGTON 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 CITY OF TORRINGTON 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 CITY OF TORRINGTON.
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 CITY OF TORRINGTON.
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, CITY OF TORRINGTON, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.

GENERAL LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	=====	=====
BUILDING SETBACK	-- -- -- -- --	-- -- -- -- --
SOLAR SETBACK	--- . --- . ---	---
EASEMENT	=====	
TREE LINE		~~~~~
WETLAND	-----v-----v-----v-----	
WETLAND BUFFER	-----	
VERNAL POOL	=====	
VERNAL POOL BUFFER	----- . ----- . -----	
WATERCOURSE	=====	
WATERCOURSE BUFFER	-----	
MAJOR CONTOUR	-----	=====
MINOR CONTOUR	-----	=====
UNDERGROUND ELECTRIC		-----E-----E-----
OVERHEAD ELECTRIC		-----OH-----OH-----
BASIN		----- . ----- . -----
SWALE		----->----->-----
FENCE		-----X-----X-----X-----
LIMIT OF DISTURBANCE		-----LOD-----
FILTER SOCK		-----FS-----FS-----
SILT FENCE		-----SF-----SF-----
BAFFLE		----- ----- ----- -----

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

CSC PERMIT SET

NO	DATE	REVISION
1	07/26/24	CSC SUBMISSION
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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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

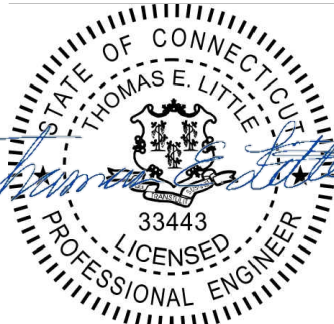
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DATE: 04/22/2024	CHECKED BY: RCB

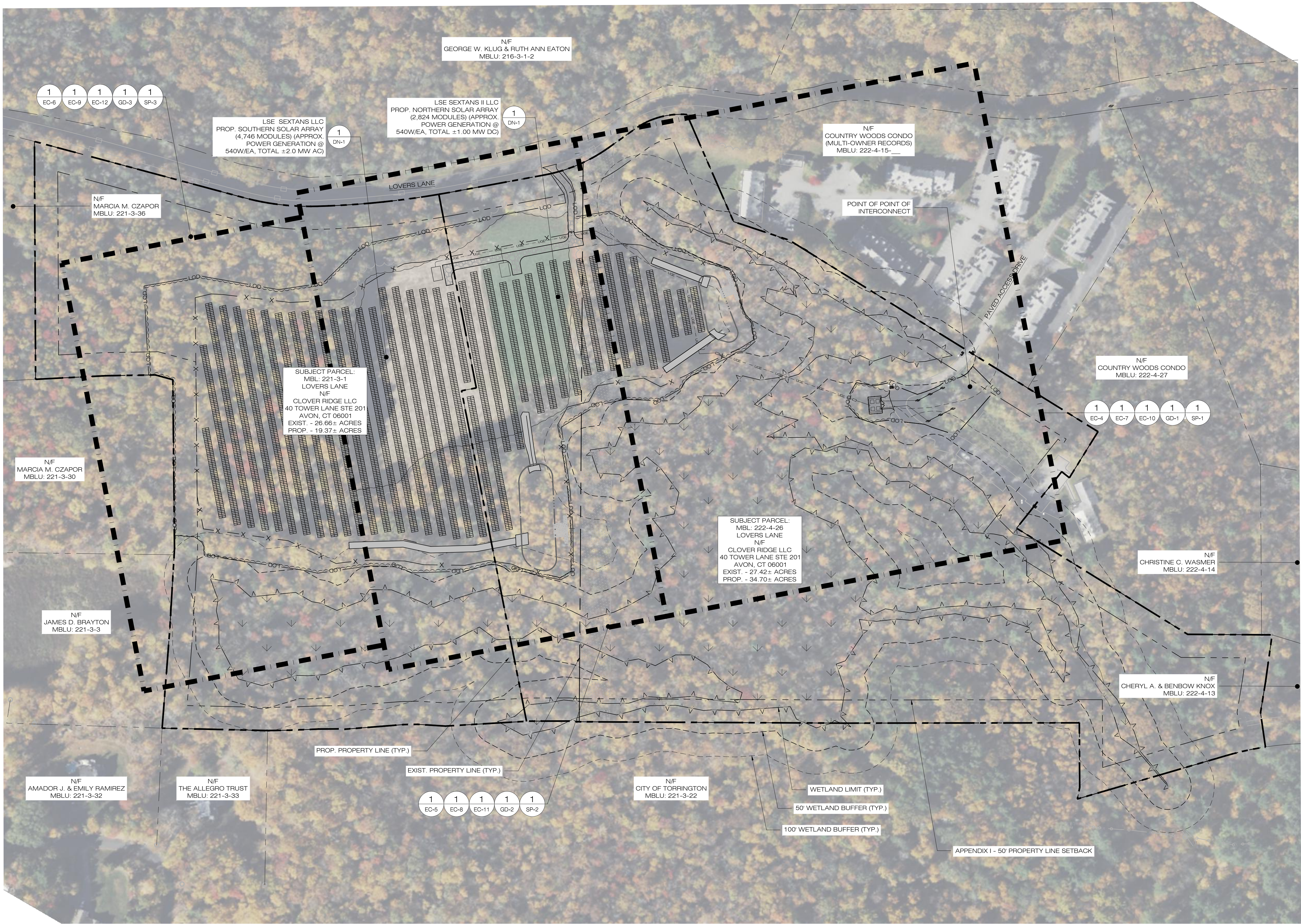
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GENERAL NOTES

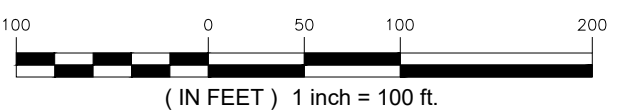
SHEET NUMBER:

GN-1





1  
OP-1  
**OVERALL LOCUS MAP**  
SCALE: 1" = 100'-0"



LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

**CSC PERMIT SET**

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**LOVERS LANE SOLAR**

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

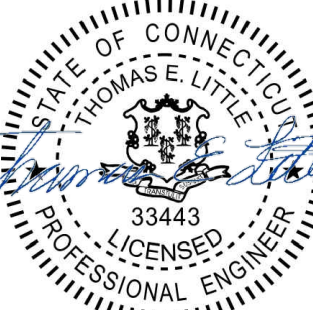
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DATE: 04/22/2024 CHECKED BY: RCB

SHEET TITLE:

**OVERALL LOCUS MAP**

SHEET NUMBER:

**OP-1**



LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
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LOVERS LANE SOLAR

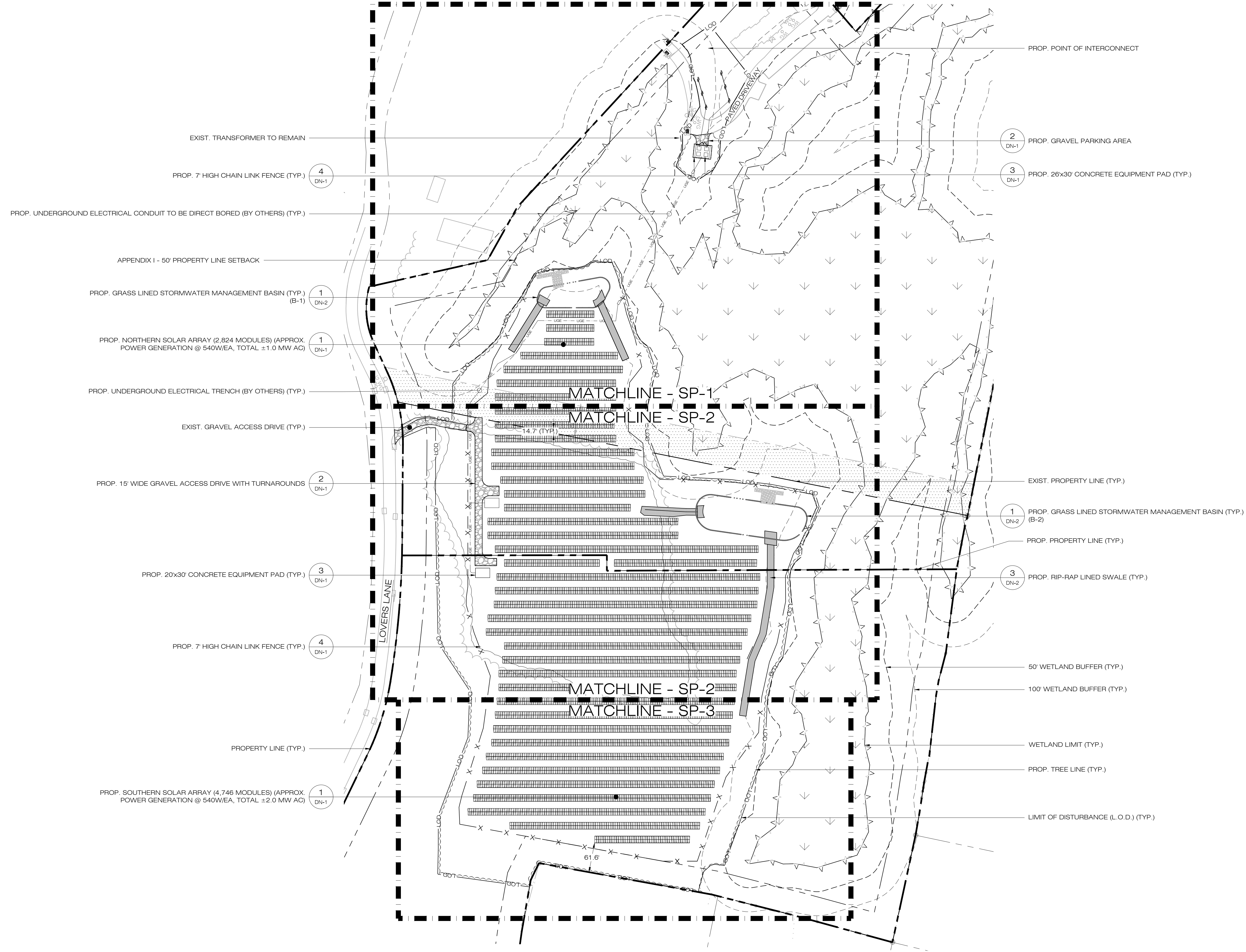
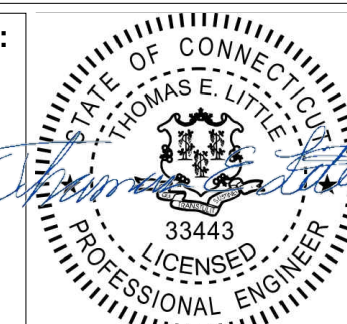
SITE	LOVERS LANE
ADDRESS:	TORRINGTON, CT
APT FILING NUMBER:	CT606190
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DATE:	04/22/2024
	CHECKED BY: RCB

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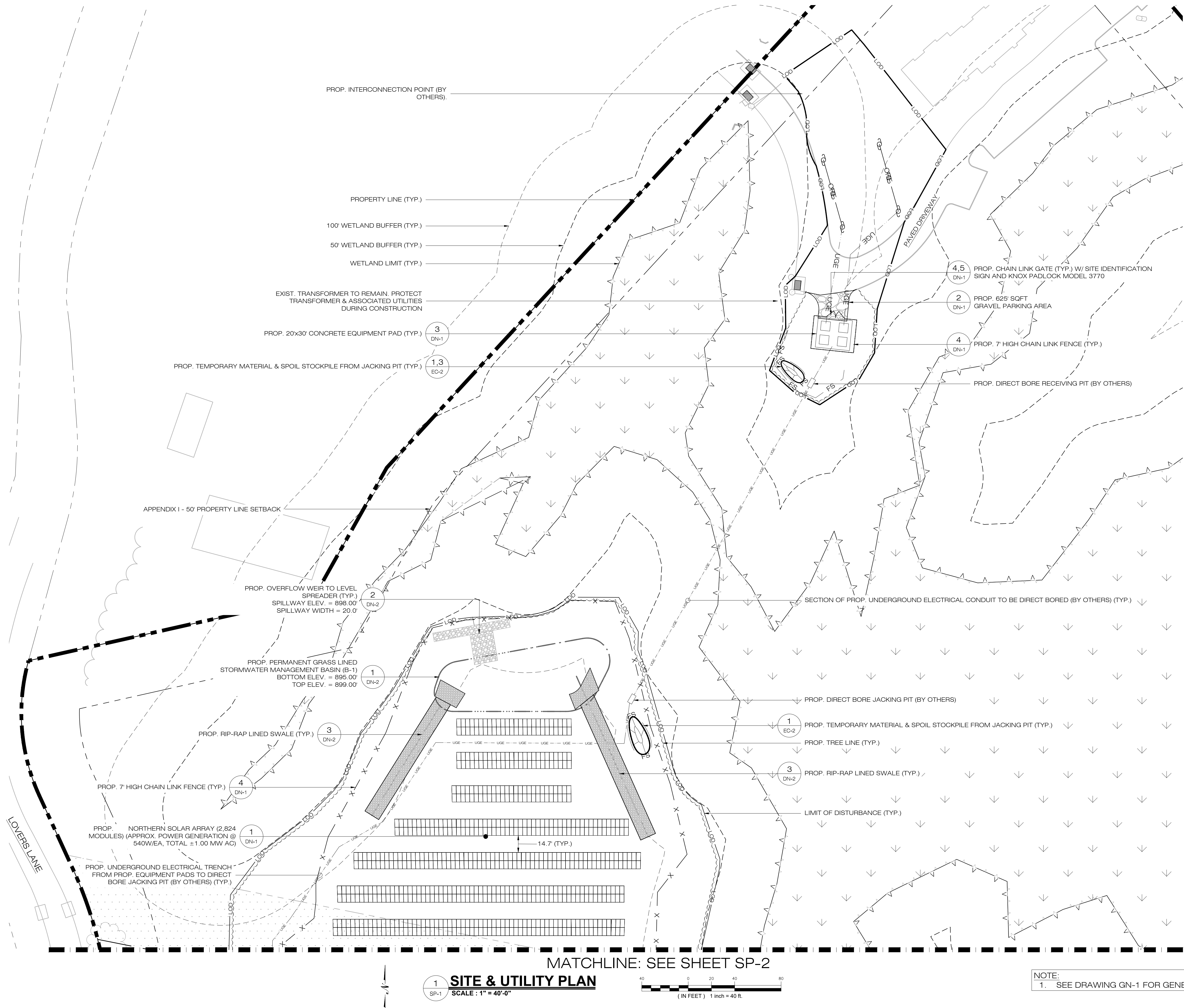
OVERALL SITE &  
UTILITY PLAN

SHEET NUMBER:

SP-0



1 OVERALL SITE & UTILITY PLAN  
SP-0  
SCALE : 1" = 100'-0"  
( IN FEET ) 1 inch = 100 ft.



LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
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AVON, CT 06001



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LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

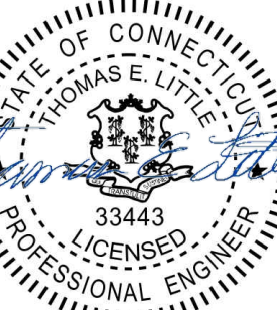
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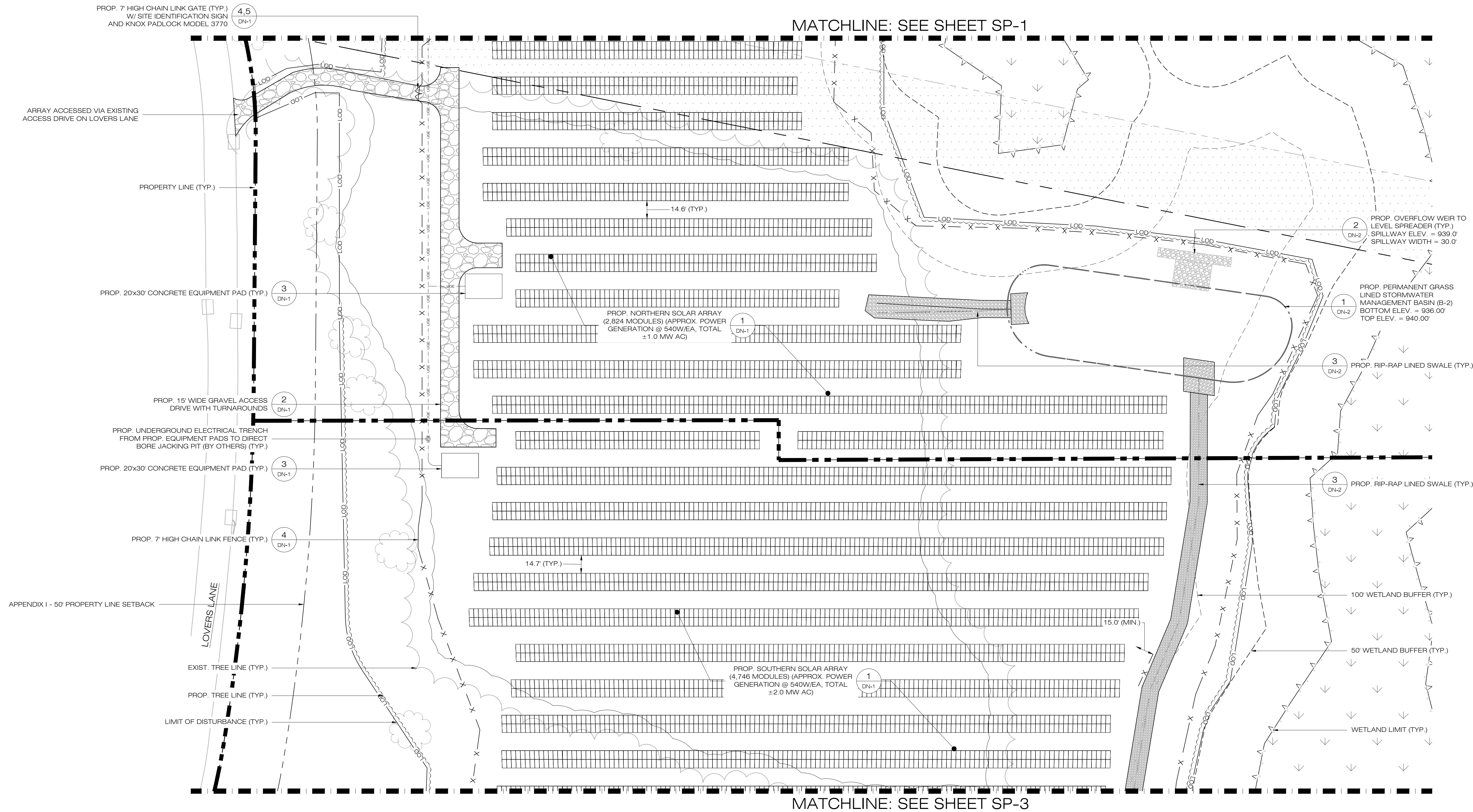
SHEET TITLE:

SITE & UTILITY PLAN

SHEET NUMBER:

SP-1





PROP. 7' HIGH CHAIN LINK GATE (TYP.)  
W/ SITE IDENTIFICATION SIGN  
AND KNOX PADLOCK MODEL 3770

ARRAY ACCESSED VIA EXISTING  
ACCESS DRIVE ON LOVERS LANE

PROPERTY LINE (TYP.)

PROP. 20'x30' CONCRETE EQUIPMENT PAD (TYP.)

PROP. 15' WIDE GRAVEL ACCESS  
DRIVE WITH TURNAROUNDS

PROP. UNDERGROUND ELECTRICAL TRENCH  
FROM PROP. EQUIPMENT PADS TO DIRECT  
BORE JACKING PIT (BY OTHERS) (TYP.)

PROP. 20'x30' CONCRETE EQUIPMENT PAD (TYP.)

PROP. 7' HIGH CHAIN LINK FENCE (TYP.)

APPENDIX I - 50' PROPERTY LINE SETBACK

LOVERS LANE

EXIST. TREE LINE (TYP.)

PROP. TREE LINE (TYP.)

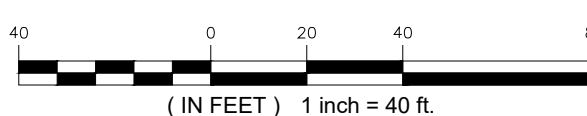
LIMIT OF DISTURBANCE (TYP.)

MATCHLINE: SEE SHEET SP-1

MATCHLINE: SEE SHEET SP-3



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



NOTE:  
1. SEE DRAWING GN-1 FOR GENERAL LEGEND.

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
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AVON, CT 06001



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EXTENSION - SUITE 311  
WATERFORD, CT 06385

OWNER: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

**LOVERS LANE SOLAR**

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

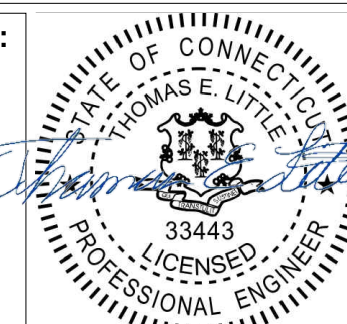
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DATE: 04/22/2024	CHECKED BY: RCB

SHEET TITLE:

**SITE & UTILITY PLAN**

SHEET NUMBER:

**SP-2**





ALL-POINTS  
TECHNOLOGY CORPORATION

CSC PERMIT SET

DESIGN PROFESSIONAL OF RECORD

OWNER: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

**SITE**            **LOVERS LANE**  
**ADDRESS:** **TORRINGTON, CT**

APT FILING NUMBER: CT606190

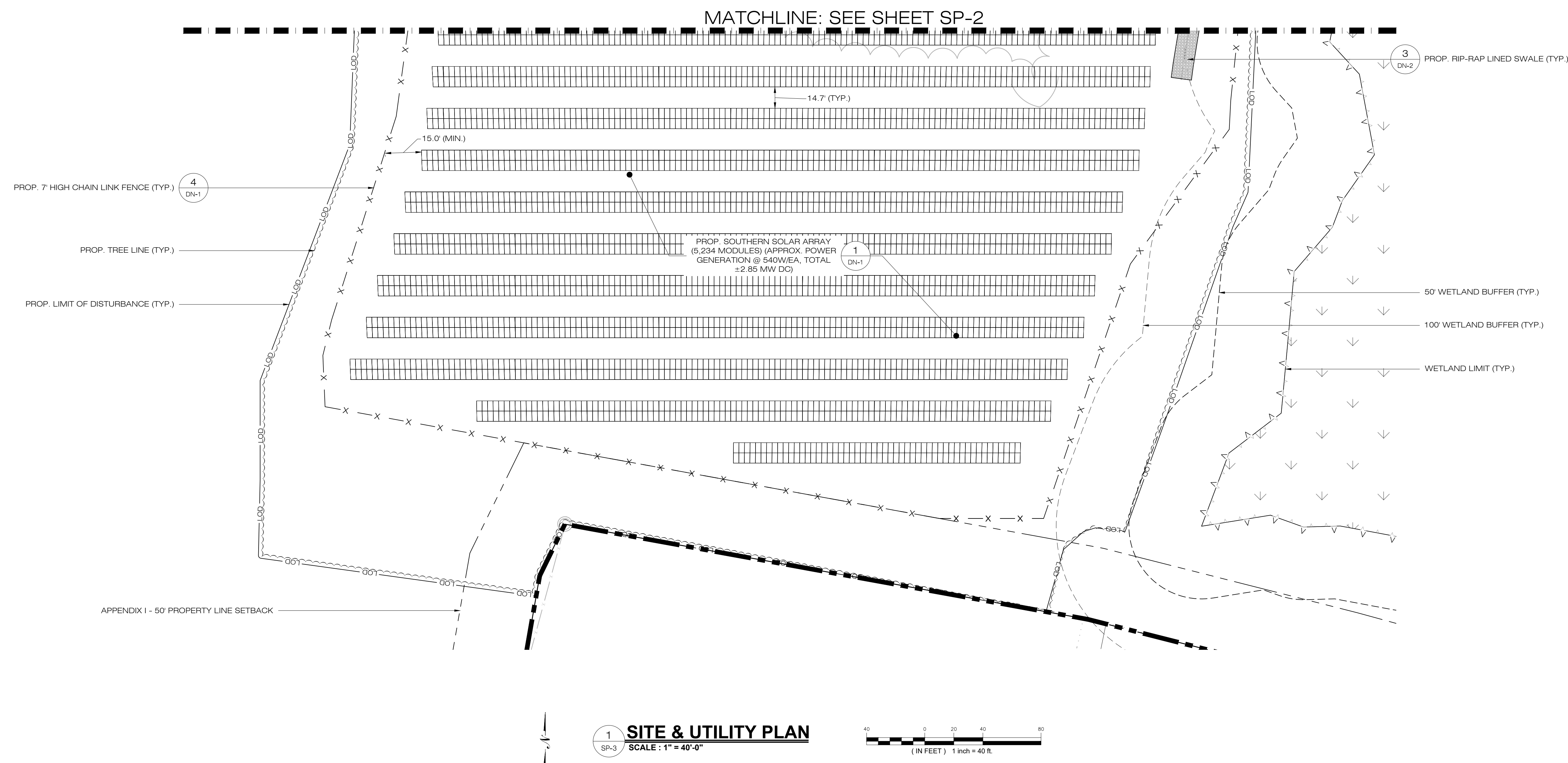
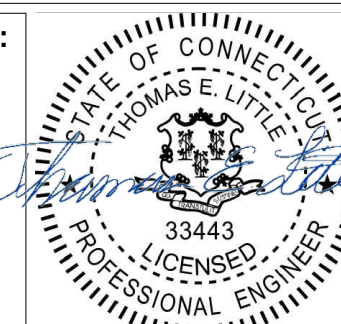
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DATE: 04/22/2024	CHECKED BY: RCE
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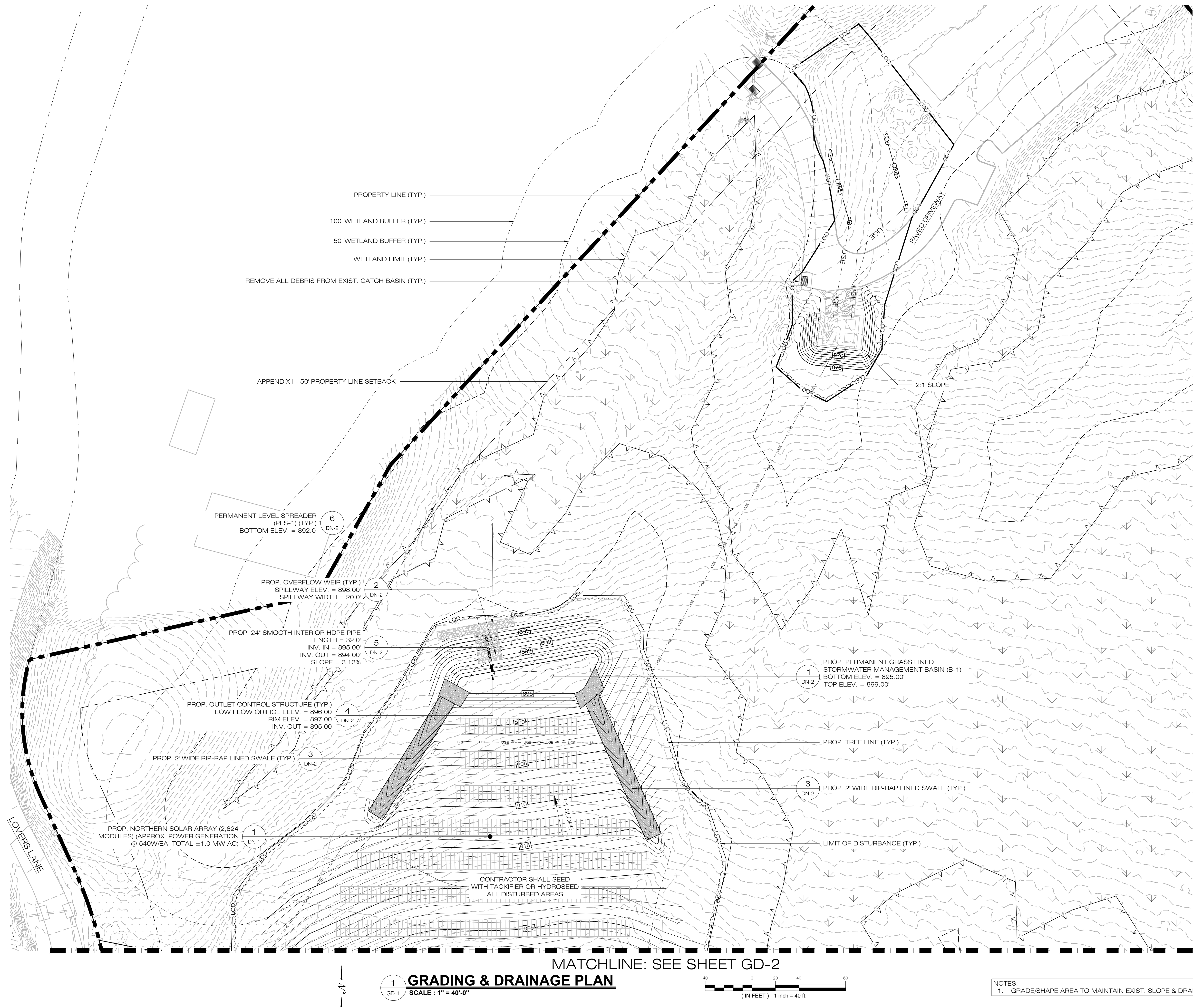
**SHEET TITLE:**

**SHEET NUMBER:**

**SP-3**



**NOTE:**  
1. SEE DRAWING GN-1 FOR GENERAL LEGEND.



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#### LOVERS LANE SOLAR

SITE: LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

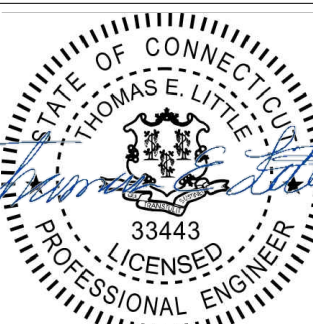
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CHECKED BY: RCB

SHEET TITLE:

GRADING &  
DRAINAGE PLAN

SHEET NUMBER:

GD-1



NOTES:  
1. GRADE/SHAPE AREA TO MAINTAIN EXIST. SLOPE & DRAINAGE PATTERNS.

LSE SEXTANS LLC & LSE  
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LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

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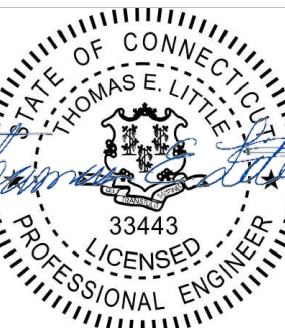
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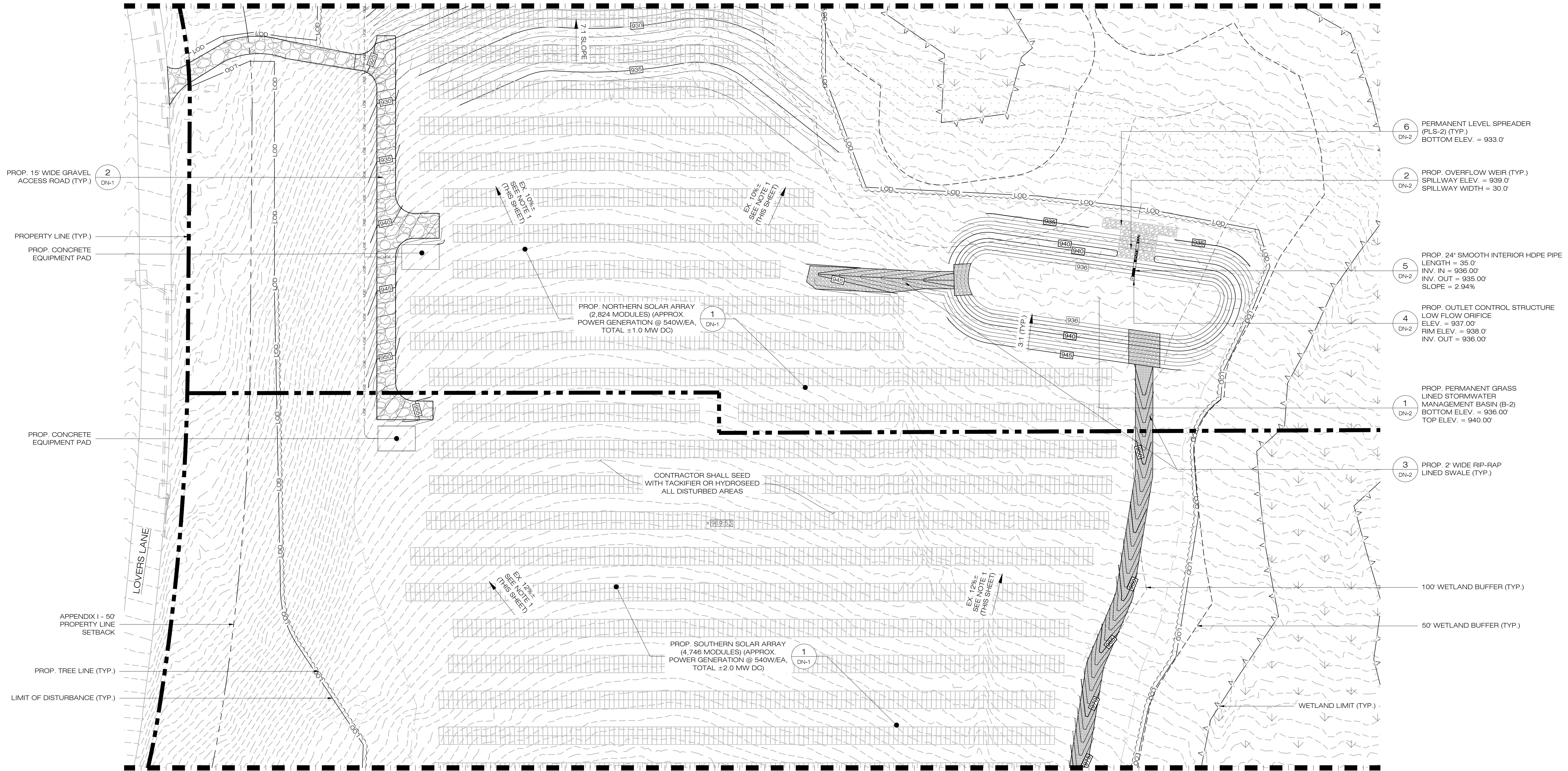
GRADING &  
DRAINAGE PLAN

SHEET NUMBER:

GD-2



MATCHLINE: SEE SHEET GD-1

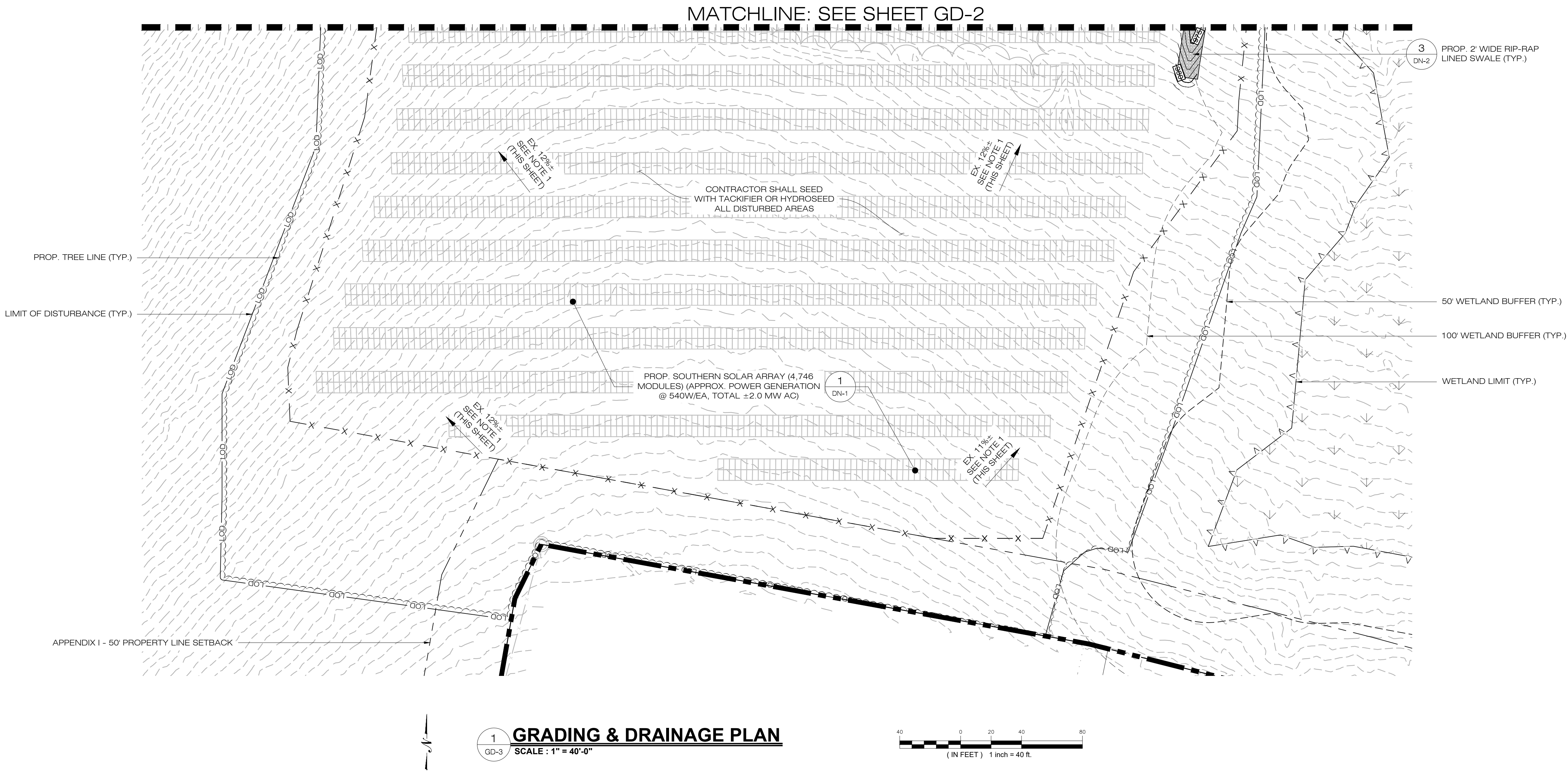


MATCHLINE: SEE SHEET GD-3

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

40 0 20 40 80  
(IN FEET) 1 inch = 40 ft.

NOTES:  
1. GRADE/SHAPE AREA TO MAINTAIN EXIST. SLOPE & DRAINAGE PATTERNS.



NOTES:  
1. GRADE/SHAPE AREA TO MAINTAIN EXIST. SLOPE & DRAINAGE PATTERNS.

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SEXTANS II LLC  
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GRADING &  
DRAINAGE PLAN

SHEET NUMBER:

GD-3



EROSION CONTROL NOTES

EROSION AND SEDIMENT CONTROL PLAN NOTES

1. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE CITY OF TORRINGTON, 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 PLANS 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 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 HYDROSEEDDED 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 FLOCULANTS 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 FUZZ & BUZZ MIX - ERMXX-147, OR APPROVED EQUAL BY OWNER, IN ALL DISTURBED AREAS OTHER THAN THE STORMWATER MANAGEMENT BASINS NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES WILL BE USED WITHIN THE STORMWATER MANAGEMENT BASINS, OR APPROVED EQUAL BY OWNER. SEE 6/DN-1 & 7/DN-1 FOR SEE MIXTURES.

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

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 17.18± ACRES OF EXISTING LOT.

THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

- A. CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.  
B. CONSTRUCTION OF 7,570 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.  
B. THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.

2. FOR THIS PROJECT, THERE ARE APPROXIMATELY 16.64± ACRES OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE, AS ALL ACCESS THROUGH THE SITE WILL BE GRAVEL. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT.

3. THE PROJECT SITE, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 22, SEP 12, 2022), CONTAINS TYPE 84B, 84C AND 86C (HYDROLOGIC SOIL GROUP C), 47C (HYDROLOGIC SOIL GROUP C/D), AND 52C (HYDROLOGIC SOIL GROUP B/D) SOILS. A GEOTECHNICAL ENGINEERING REPORT HAS NOT BEEN COMPLETED.

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 2004 CONNECTICUT STORMWATER QUALITY MANUAL AND THE CITY OF TORRINGTON 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 APRIL 2024.  
B. SWPCP DATED APRIL 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 ENTRANCES.

5. CLEAR ONLY AS NEEDED TO INSTALL THE PERIMETER EROSION AND SEDIMENTATION CONTROL MEASURES, SWALES, SEDIMENT TRAPS/BASIN AND, IF APPLICABLE, TREE PROTECTION. ALL WETLAND AREAS SHALL BE PROTECTED BEFORE MAJOR CONSTRUCTION BEGINS.

6. INSTALL PERIMETER EROSION CONTROL AS SHOWN ON PLANS, INCLUDING SILT FENCE, SILT FENCE WINGS, AND COMPOST FILTER SOCKS.

7. INSTALL TEMPORARY SEDIMENT TRAP TST-1 AND ASSOCIATED SWALES & PLUG OUTLET PIPE. UPON COMPLETED INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 & PHASE 3 WORK UP GRADIENT CAN PROCEED.

8. INSTALL TEMPORARY SEDIMENT BASIN TSB-2 AND ASSOCIATED SWALES. PLUG OUTLET PIPE. UPON COMPLETED INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 & PHASE 3 WORK UP GRADIENT CAN PROCEED.

PHASE 2

9. UPON COMPLETION OF THE INSTALLATION OF TEMPORARY SEDIMENT BASINS, COMPLETE THE CLEARING & GRUBBING OF THE REMAINING SOUTHERN WOODED AREA AS REQUIRED, IN 5 ACRE MAXIMUM INCREMENTS. REMOVE CUT WOOD AND STOCKPILE FOR FUTURE USE OR REMOVE OFF-SITE. REMOVE AND DISPOSE OF DEMOLITION DEBRIS OFF-SITE IN ACCORDANCE WITH APPLICABLE LAWS.

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

PHASE 3

12. WORKING FROM SOUTH TO NORTH, COMPLETE THE CLEARING & GRUBBING OF THE REMAINING WOODED AREA AS REQUIRED, IN 5 ACRE MAXIMUM INCREMENTS. REMOVE CUT WOOD AND STOCKPILE FOR FUTURE USE OR REMOVE OFF-SITE. REMOVE AND DISPOSE OF DEMOLITION DEBRIS OFF-SITE IN ACCORDANCE WITH APPLICABLE LAWS.

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

FINAL GRADING & DRAINAGE PLAN

14. INSTALL CONCRETE EQUIPMENT PAD.

15. INSTALL ELECTRICAL CONDUITS.

16. INSTALL RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS.

17. INSTALL GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION.

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

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

20. AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE, REMOVE REMAINING EROSION AND SEDIMENTATION CONTROLS AND CLEAN & CONVERT TEMPORARY SEDIMENT TRAPS/BASIN TO FINAL GRASS LINED STORMWATER BASINS. RESHAPE AND RESEED BASINS AS NECESSARY, UNPLUG OUTLET PIPES AND INSTALL LOW FLOW ORIFICES PER PLANS AND DETAIL 4/DN-2. ANY AREAS DISTURBED DURING CLEAN UP SHALL BE PERMANENTLY SEEDED.

21. THE SITE SHALL BE MONITORED EVERY MONTH OF THE YEAR FOR TWO (2) FULL GROWING SEASONS (GROWING SEASONS ARE APRIL-OCTOBER).

22. ISSUE NOTICE OF TERMINATION UPON COMPLETION OF MONITORING REQUIRED PER CT DEEP CONSTRUCTION GENERAL PERMIT APPENDIX I.

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
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CSC PERMIT SET

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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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

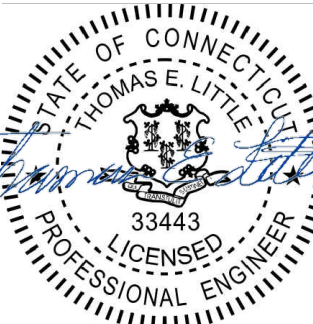
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DATE: 04/22/2024	CHECKED BY: RCB

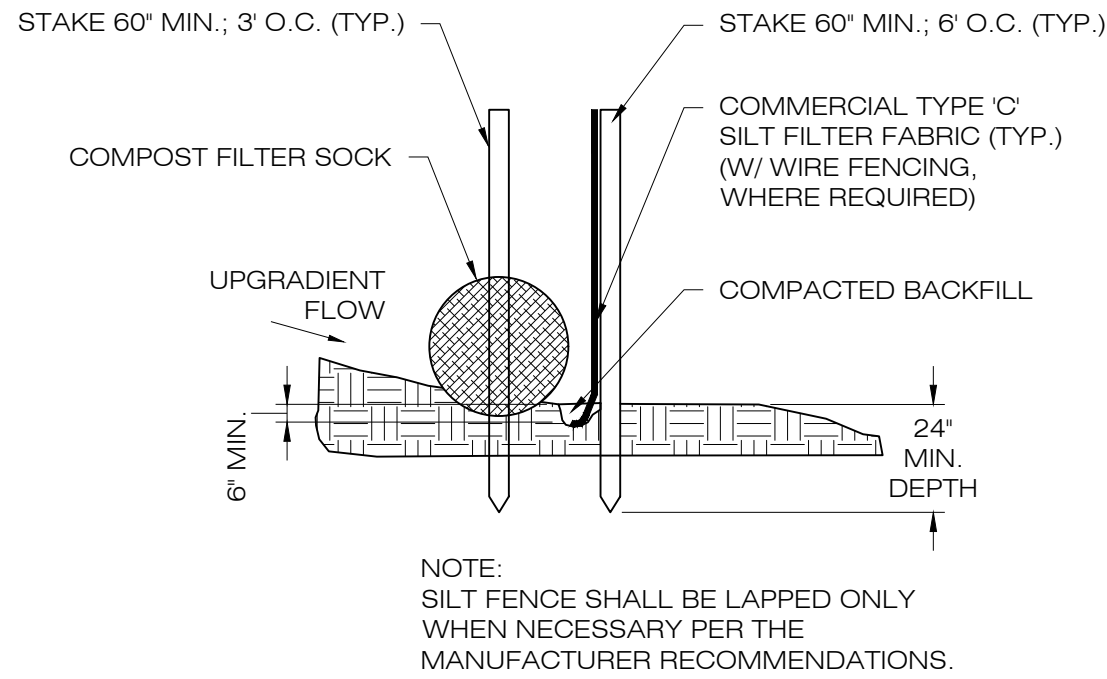
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SEDIMENTATION & EROSION  
CONTROL NOTES

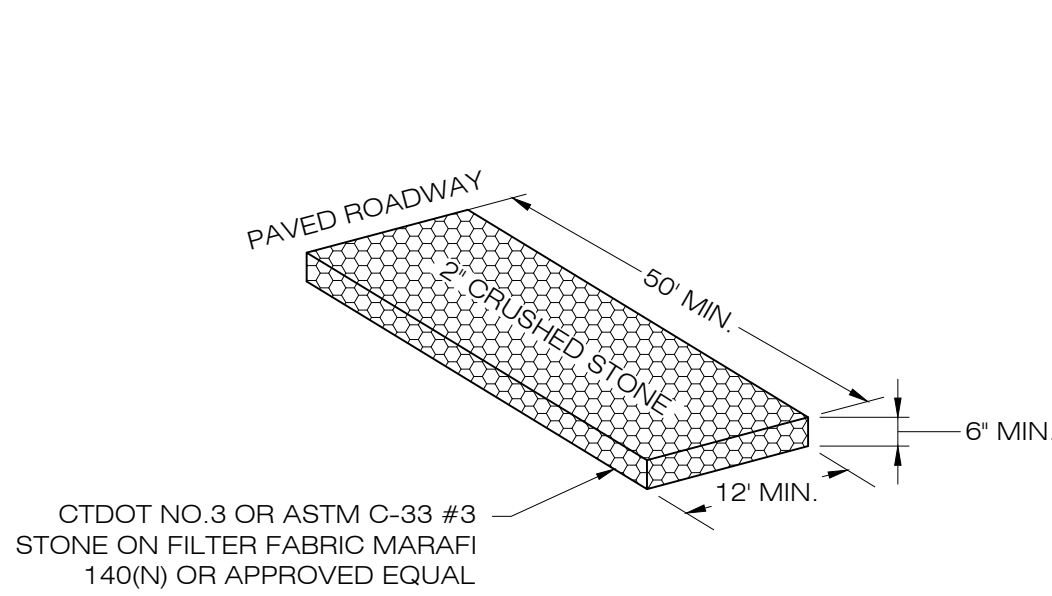
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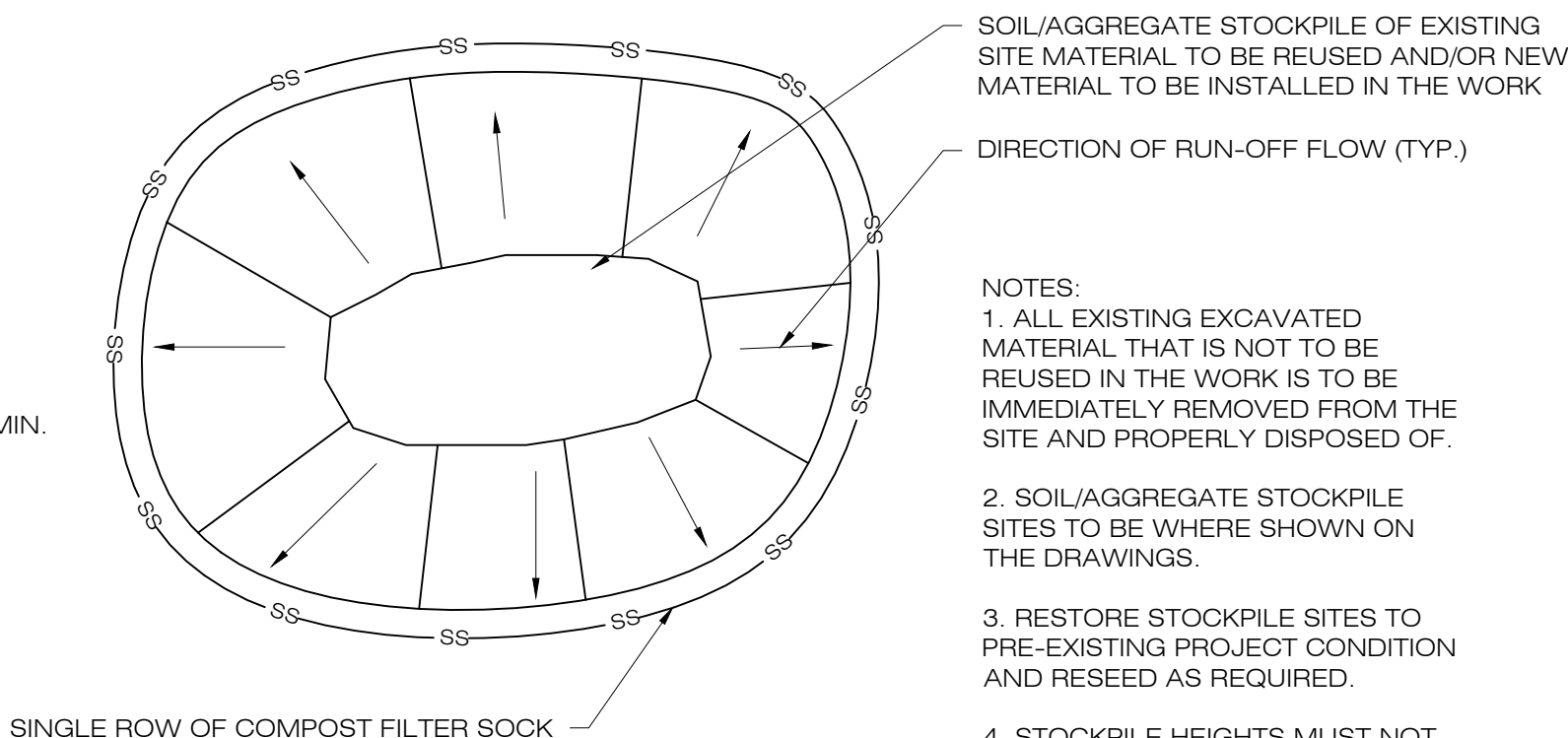




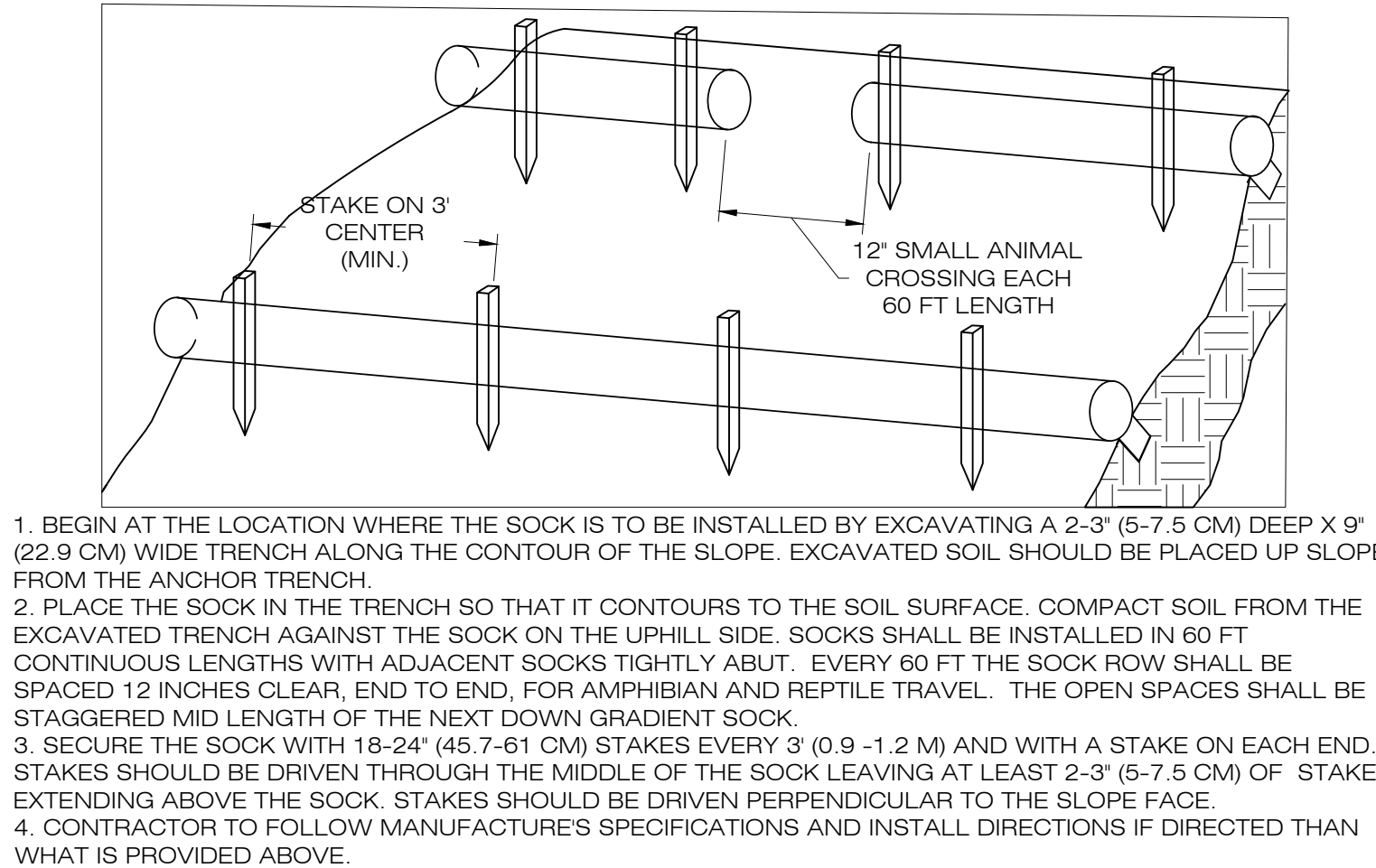
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EC-2  
**SILT FENCE W/ COMPOST FILTER SOCK DETAIL**  
SCALE : N.T.S.



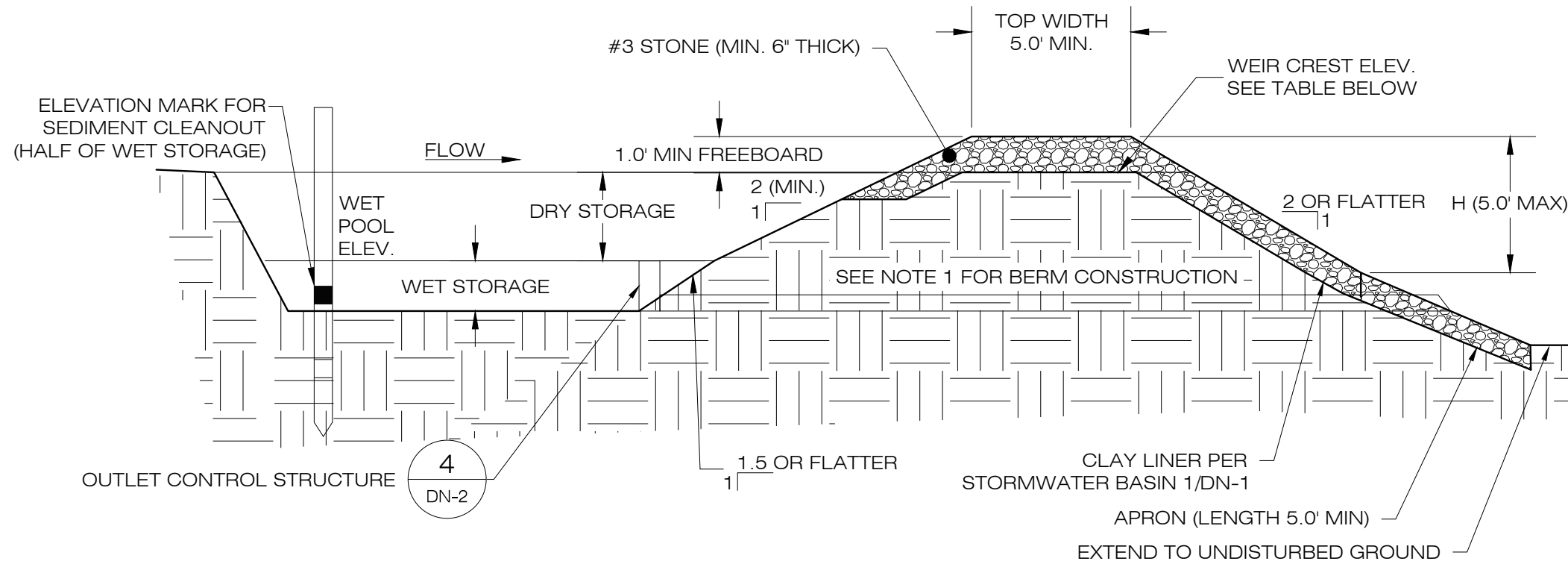
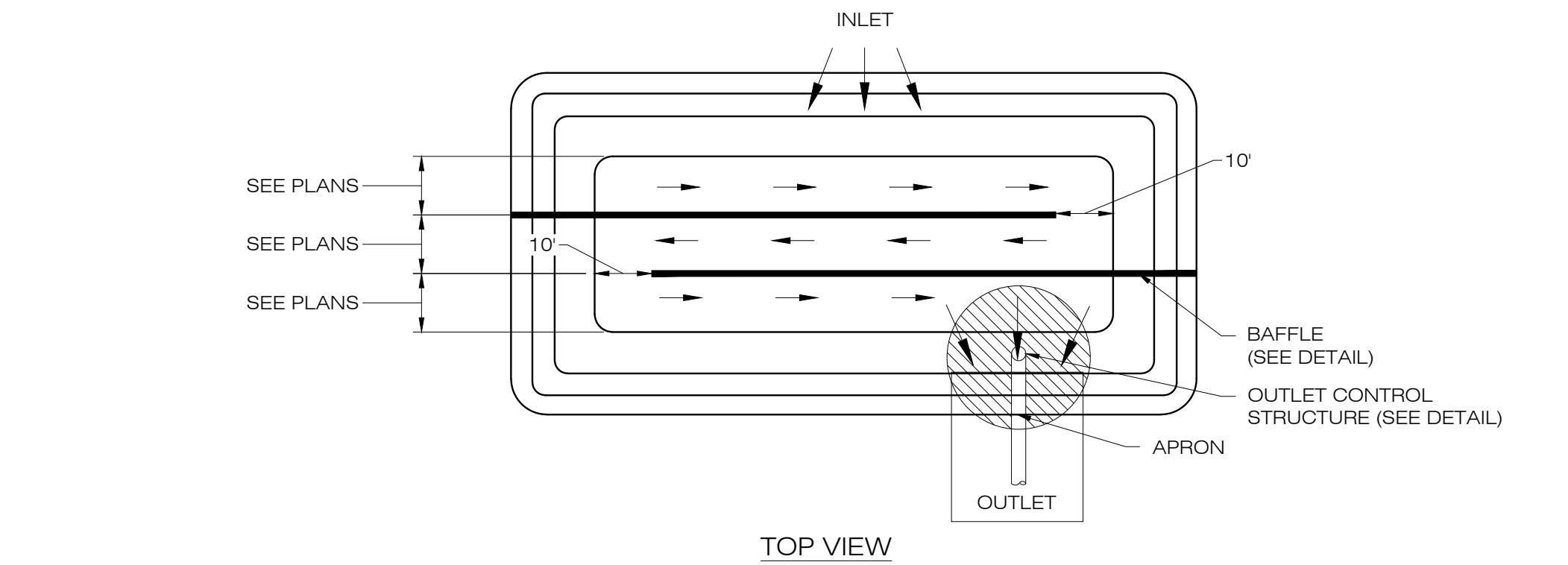
**2**  
EC-2  
**CONSTRUCTION ENTRANCE DETAIL**  
SCALE : N.T.S.



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



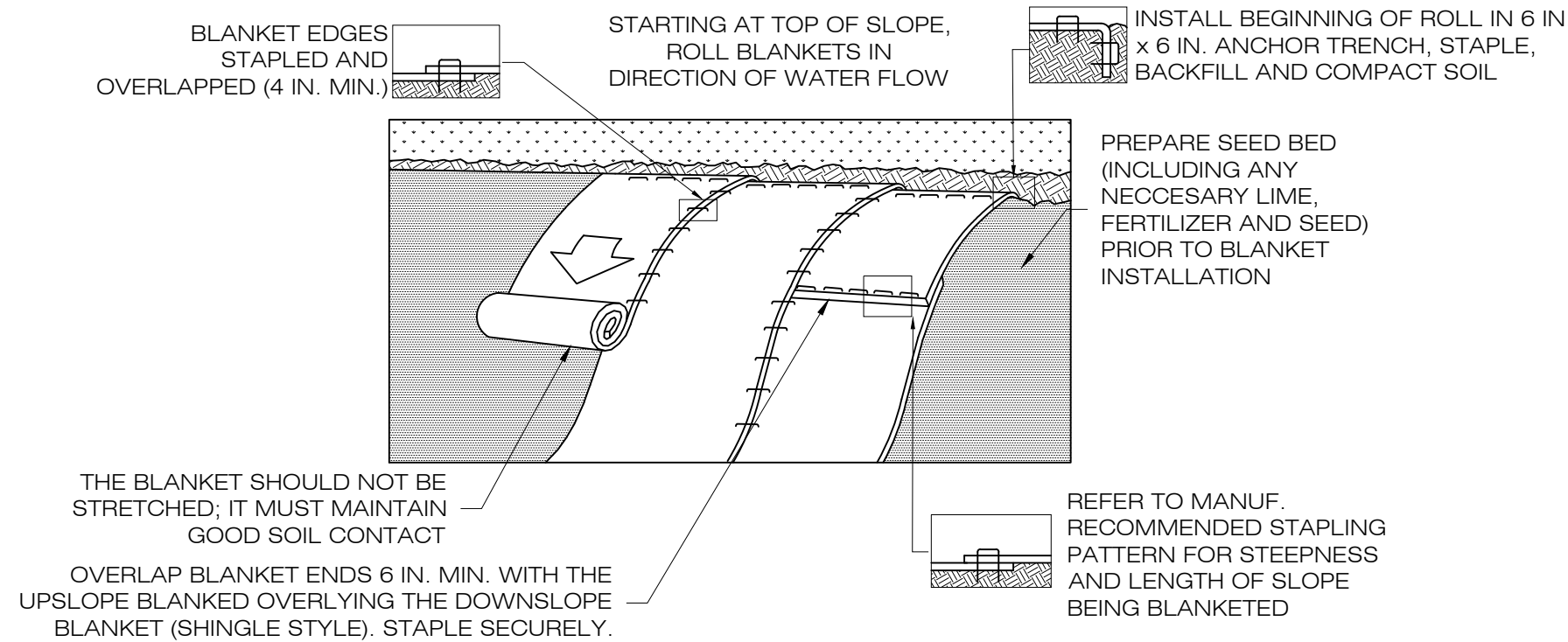
**4**  
EC-2  
**COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER**  
SCALE : N.T.S.



- NOTES:  
1. CONSTRUCT TEMPORARY SEDIMENT BASIN BERMS AND SIDEWALLS PER THE GRASS LINED BASIN DETAIL.  
2. SEDIMENT BAFFLES SHALL BE INSTALLED AS SHOWN ON EC-4 & EC-5.  
3. SEE TSB SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

TEMPORARY SEDIMENT BASIN SIZING TABLE											
NAME	DRAINAGE AREA (AC)	REQ. WET VOLUME (CF)	REQ. RESIDENCE TIME VOLUME (CF)	TOTAL VOLUME REQ. (CF)	PROP. BTM. ELEV. (FT)	PROP. OUTLET RIM ELEV. (FT)	PROP. WEIR CREST ELEV. (FT)	PROP. TOP ELEV. (FT)	WET VOL. PROVIDED (CF)	RESIDENCE TIME VOLUME PROVIDED (CF)	TOTAL VOL. PROVIDED (CF)
TSB-2	5.70 AC	11,225	10,346	27,182	936.00'	938.00	939.00	940.00'	19,873	12,138	32,011

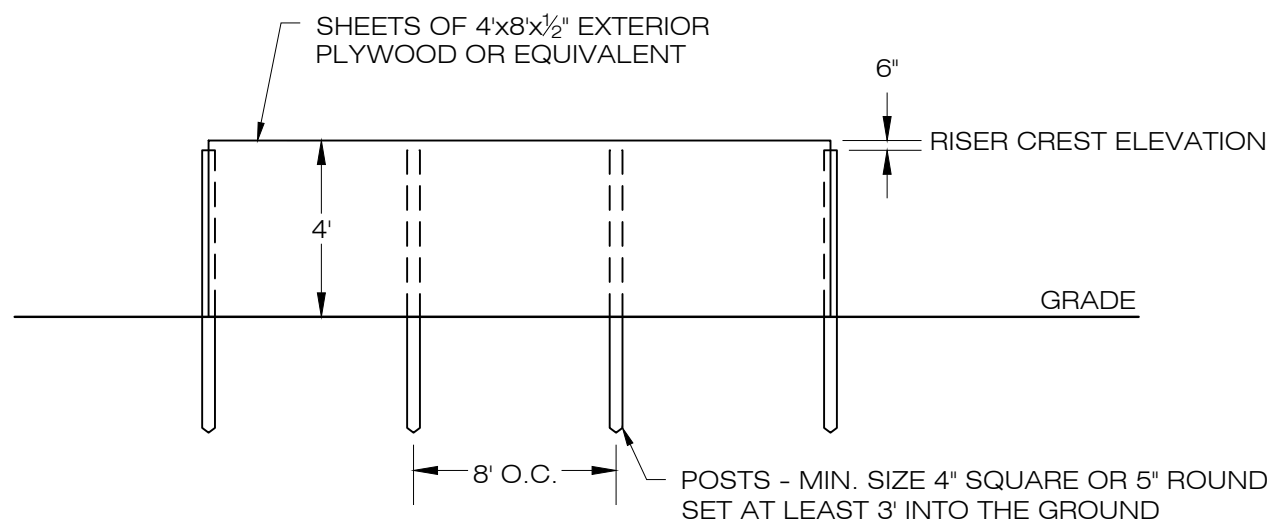
**5**  
EC-2  
**TEMPORARY SEDIMENT BASIN**  
SCALE : N.T.S.



- EROSION CONTROL BLANKET INSTALLATION  
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.  
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6\"/>

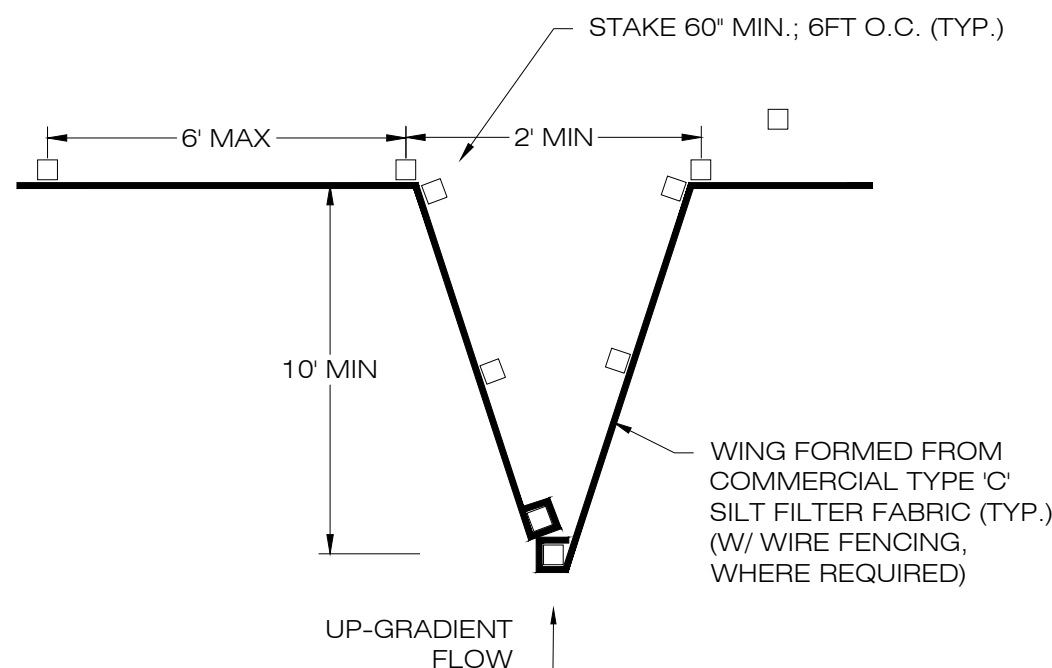
- NOTES:  
1. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.  
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS, AND GRASS.  
3. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.  
4. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.  
5. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

**9**  
EC-2  
**EROSION CONTROL BLANKET STEEP SLOPES**  
SCALE : N.T.S.



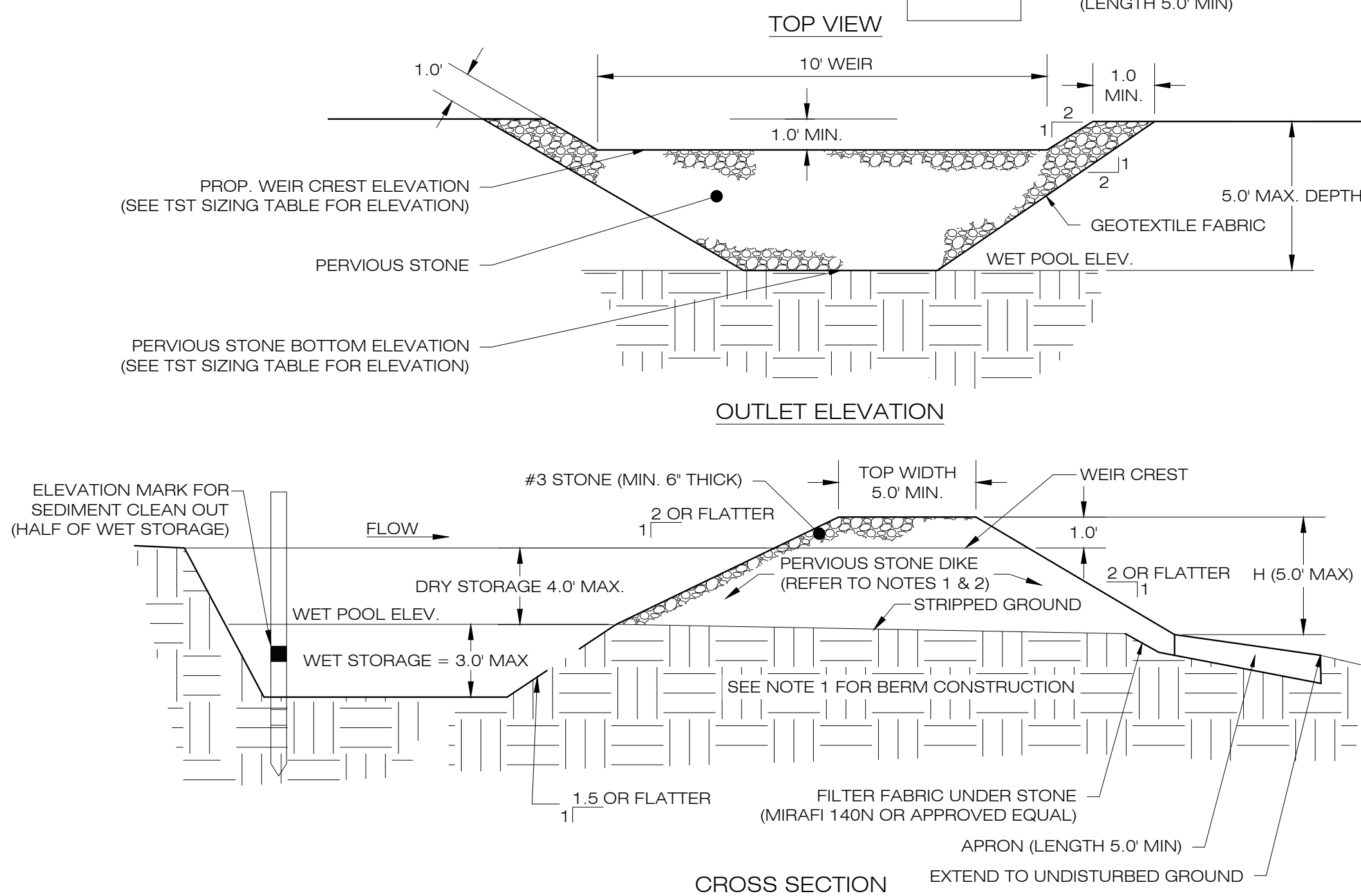
- NOTES:  
1. FILL ANY VOIDS BETWEEN THE BOTTOM OF THE BASIN AND BAFFLE.

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



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

**8**  
EC-2  
**SILT FENCE WING DETAIL**  
SCALE : N.T.S.



- 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-4.  
4. SEE TST SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

TEMPORARY SEDIMENT TRAP SIZING TABLE										
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	2.40	134	322	161	895.00	897.00	898.00	899.00	263	446

**7**  
EC-2  
**TEMPORARY SEDIMENT TRAP**  
SCALE : N.T.S.

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SEDIMENTATION & EROSION CONTROL NOTES

SHEET NUMBER:

EC-2



ENVIRONMENTAL NOTES - RESOURCE PROTECTION PROGRAM

WETLAND AND RARE SPECIES PROTECTION MEASURES

AS A RESULT OF THE PROJECTS LOCATION IN THE VICINITY OF SENSITIVE HABITATS INCLUDING WETLAND RESOURCES AND RARE SPECIES, THE FOLLOWING PROTECTION PROGRAM SHALL BE IMPLEMENTED BY THE CONTRACTOR TO AVOID UNINTENTIONAL IMPACTS TO PROXIMATE WETLAND RESOURCES AND RARE SPECIES DURING CONSTRUCTION ACTIVITIES.

WOOD TURTLE (GLYPTEMYS INSCULPTA), A STATE SPECIAL CONCERN SPECIES AFFORDED PROTECTION UNDER THE CONNECTICUT ENDANGERED SPECIES ACT, IS KNOWN TO OCCUR ON OR PROXIMITY TO THE PROPOSED FACILITY. THESE RARE SPECIES PROTECTION MEASURES ARE SIMILAR TO PROTECTION MEASURES PREVIOUSLY APPROVED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION ("DEEP") WILDLIFE DIVISION ON OTHER COMPARABLE PROJECTS. DETAILS OF PROTECTION MEASURES TO BE IMPLEMENTED IN ASSOCIATION WITH CONSTRUCTION AND MAINTENANCE OF THE FACILITY ARE PROVIDED BELOW.

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.

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 WETLANDS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. 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, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF AN INTRODUCTORY MEETING WITH APT TO EMPHASIZE THE ENVIRONMENTALLY SENSITIVE NATURE OF THE PROJECT, THE VARIOUS WETLAND AND RARE SPECIES RESOURCES, AND THE REQUIREMENT TO DILIGENTLY FOLLOW THE PROTECTIVE MEASURES AS DESCRIBED IN SECTIONS BELOW. WORKERS WILL ALSO BE PROVIDED INFORMATION REGARDING THE IDENTIFICATION OF OTHER TURTLES, SNAKES, COMMON HERPETOFAUNA THAT COULD BE 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 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 WOOD TURTLES.

b. THE EDUCATION SESSION WILL ALSO FOCUS ON MEANS TO DISCRIMINATE BETWEEN THE SPECIES OF CONCERN AND OTHER NATIVE SPECIES TO AVOID UNNECESSARY "FALSE ALARMS". ENCOUNTERS WITH ANY SPECIES OF TURTLES, SNAKES AND AMPHIBIANS WILL BE DOCUMENTED.

c. THE CONTRACTOR WILL DESIGNATE A MEMBER OF ITS CREW AS THE PROJECT MONITOR TO BE RESPONSIBLE FOR THE PERIODIC "SWEEPS" FOR TURTLES AND OTHER HERPETOFAUNA 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 WOOD TURTLES AND OTHER HERPETOFAUNA IN ORDER TO PERFORM SWEEPS. ANY HERPETOFAUNA DISCOVERED WOULD BE TRANSLOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED.

d. THE CONTRACTORS PROJECT MONITOR WILL BE PROVIDED WITH CELL, PHONE AND EMAIL CONTACTS FOR APT PERSONNEL. 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.

f. IF ANY RARE SPECIES ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL WORK, AVOID ANY DISTURBANCE TO THE SPECIES, AND CONTACT APT.

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. EXCLUSIONARY FENCING SHALL BE AT LEAST 20 INCHES TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND AND BE REGULARLY MAINTAINED BY THE CONTRACTOR (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMAL PASS THROUGH.

c. 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.

d. INSTALLATION OF SEDIMENTATION AND EROSION CONTROLS, REQUIRED FOR EROSION CONTROL COMPLIANCE AND CREATION OF A BARRIER TO POSSIBLE MIGRATING/DISPERSING TURTLES, 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 WOOD TURTLE (ALONG WITH OTHER AMPHIBIANS AND REPTILES THAT MAY BE ENCOUNTERED) AND DOCUMENT BARRIERS HAVE BEEN SATISFACTORILY INSTALLED. THE INTENT OF THE BARRIER IS TO SEGREGATE THE MAJORITY OF THE WORK ZONE AND ISOLATE IT FROM NESTING/FORAGING/MIGRATING/DISPERSING TURTLES, SNAKES AND OTHER HERPETOFAUNA. OFTENTIMES COMPLETE ISOLATION OF A WORK ZONE IS NOT FEASIBLE DUE TO ACCESSIBILITY NEEDS AND LOCATIONS OF STAGING/MATERIAL STORAGE AREAS, ETC. ALTHOUGH THE BARRIERS MAY NOT COMPLETELY ISOLATE THE WORK ZONE, THEY WILL BE POSITIONED TO DEFLECT MIGRATING/DISPERSAL ROUTES AWAY FROM THE WORK ZONE TO MINIMIZE POTENTIAL ENCOUNTERS WITH TURTLES, SNAKES AND OTHER HERPETOFAUNA.

e. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS OF THE SEDIMENTATION AND EROSION CONTROLS FOR TEARS OR BREACHES AND ACCUMULATION LEVELS OF SEDIMENT, PARTICULARLY FOLLOWING STORM EVENTS THAT GENERATE A DISCHARGE, AS DEFINED BY AND IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE APT ENVIRONMENTAL MONITOR WITHIN 24 HOURS OF ANY BREACHES OF THE SEDIMENTATION AND EROSION CONTROLS AND ANY SEDIMENT RELEASES BEYOND THE PERIMETER CONTROLS THAT IMPACT WETLANDS, WATERCOURSES, 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.

f. 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.

g. NO EQUIPMENT, VEHICLES OR CONSTRUCTION MATERIALS SHALL BE STORED WITHIN 100 FEET OF WETLAND OR WATERCOURSE RESOURCES.

h. 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 PROJECTS LOCATION IN PROXIMITY TO WETLAND RESOURCES.

b. IF A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THIS PROJECT, PER THE REQUIREMENTS OF 40 CFR 112, HAS

- BEEN DEVELOPED FOR THIS FACILITY, PLEASE REFER TO THE SPCC FOR SPECIFIC REQUIREMENTS. BASIC REQUIREMENTS FOR PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION ARE PROVIDED BELOW. IN THE EVENT THESE BASIC REQUIREMENTS CONTRADICT THE SPCC, THE CONTRACTOR SHALL RELY ON REQUIREMENTS PROVIDED IN THE SPCC.
- c. 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.
- d. THE SERVICE OF MACHINERY SHALL NOT OCCUR WITHIN 100 FEET OF WETLANDS OR WATERCOURSES.
- e. 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.
- 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. 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 MINIMIZE THE APPLICATION OF SALT OR SIMILAR PRODUCTS FOR MELTING SNOW OR ICE. NON-CHLORIDE BASED DEICING PRODUCTS ARE RECOMMENDED.
5. WOOD TURTLE PROTECTION MEASURES - CONSTRUCTION PHASE
- a. PRIOR TO CONSTRUCTION AND FOLLOWING INSTALLATION OF ISOLATION BARRIERS, THE CONSTRUCTION AREA WILL BE SWEEPED BY APT AND ANY TURTLES OCCURRING WITHIN THE WORK AREA WILL BE RELOCATED TO SUITABLE HABITAT OUTSIDE OF THE ISOLATION BARRIERS.
- b. PRIOR TO THE START OF CONSTRUCTION EACH DAY, THE CONTRACTOR SHALL SEARCH THE ENTIRE WORK AREA FOR TURTLES.
- c. IF A TURTLE IS FOUND DURING THE ACTIVE PERIOD, IT SHALL BE IMMEDIATELY MOVED, UNHARMED, BY BEING CAREFULLY GRASPED IN BOTH HANDS, ONE ON EACH SIDE OF THE SHELL, BETWEEN THE TURTLE'S FORELIMBS AND THE HIND LIMBS, AND PLACED JUST OUTSIDE OF THE ISOLATION BARRIER IN THE SAME APPROXIMATE DIRECTION IT WAS HEADING. THESE ANIMALS ARE PROTECTED BY LAW AND NO TURTLES SHOULD BE RELOCATED FROM THE PROPERTY.
- d. SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR DURING EARLY MORNING AND EVENING HOURS SO THAT POSSIBLE BASKING OR FORAGING TURTLES ARE NOT HARMED BY CONSTRUCTION ACTIVITIES.
- e. THE CONTRACTOR SHALL BE PARTICULARLY DILIGENT DURING THE MONTHS OF MAY AND JUNE WHEN TURTLES ARE ACTIVELY SELECTING NESTING SITES WHICH RESULTS IN AN INCREASE IN TURTLE MOVEMENT ACTIVITY.
- f. NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY TURTLE HABITAT.
- g. AVOID AND LIMIT ANY EQUIPMENT USE WITHIN 100 FEET OF WETLANDS AND NO HEAVY MACHINERY OR VEHICLES MAY BE PARKED IN ANY TURTLE HABITAT OR WITHIN 100 FEET OF WETLANDS.
- h. SPECIAL PRECAUTIONS MUST BE TAKEN TO AVOID DEGRADATION OF WETLAND HABITATS, PARTICULARLY ALONG AN PERENNIAL STREAM RIPARIAN CORRIDORS.
6. TURTLE PROTECTION MEASURES - FACILITY MAINTENANCE (MOWING RECOMMENDATIONS)
- a. PERFORM MOWING DURING THE TURTLE DORMANT PERIOD - NOVEMBER 1<sup>ST</sup> THROUGH MARCH 31<sup>ST</sup> WHEN POSSIBLE.
- b. IF MOWING IS REQUIRED OUTSIDE OF THE TURTLE DORMANT PERIOD, AVOID MOWING DURING MAY 15<sup>TH</sup> THROUGH AUGUST 30<sup>TH</sup> WHEN TURTLES MAY BE LOCATED WITHIN THE FACILITY (AND AWAY FROM FORESTED HABITAT), IF POSSIBLE, UNDERSTANDING THAT SOME VEGETATION MAINTENANCE IS NECESSARY FOR OPERATIONAL AND ELECTRICAL SAFETY PURPOSES.
- c. VEGETATION MAINTENANCE WITHIN THE FENCED SOLAR FACILITY MAY BE ACCOMPLISHED THROUGH SHEEP GRAZING. SHOULD THAT TECHNIQUE BE USED, MOWING RESTRICTIONS WOULD NOT APPLY; MOWING RECOMMENDATIONS OUTSIDE OF THE FENCED FACILITY WOULD STILL APPLY.
- d. IF MOWING IS REQUIRED DURING THE TURTLE ACTIVE SEASON (APRIL 1<sup>ST</sup> THROUGH OCTOBER 31<sup>ST</sup>), MOWING SHOULD BE PERFORMED AS FOLLOWS.
- i. MOWING STYLE: AVOID FLAIL MOWER HEADS WITH GUIDE BARS THAT RIDE ALONG THE GROUND. SICKLE BAR MOWERS WILL HAVE THE LEAST IMPACT IF MOWING EVERY 1-5 YEARS. IN AREAS WITH MORE WOODY VEGETATION >1-2" DIAMETER BRONTOSAURUS-STYLE MOWER WILL LIKELY HAVE THE LEAST IMPACT ON TURTLES.
- ii. MOWING HEIGHT: IF MOWING DURING ACTIVE SEASON, RETENTION OF MOWING STUBBLE TO 7-12 INCHES WILL REDUCE MORTALITY, REDUCE BLADE WEAR, AND WILL LEAVE IMPORTANT COVER FOR ANIMALS.
- iii. DIRECTIONALITY: IF MOWING DURING THE ACTIVE SEASON IS NECESSARY, START MOWING FROM THE CENTER OF THE FIELD AND USE A BACK-AND-FORTH APPROACH, OR LARGE CIRCULAR PATTERN, TO AVOID CONCENTRATING FLEEING ANIMALS WHERE THEY MAY BE KILLED OR STRANDED. IN ADDITION, LEAVE AN UN-MOWED 30 FT STRIP AROUND THE PERIMETER OF THE FIELD AND MOW THIS AREA LAST. MOST TURTLES ARE FOUND IN THESE AREAS, AND THIS PROVIDES TIME FOR THEM TO REACT TO THE MOWING ACTIVITY AND MOVE OUT OF THE AREA.
- iv. MOWER SPEED: MOWING IN LOW GEAR OR AT SLOW SPEEDS WILL ALLOW TURTLES TO REACT AND MOVE OUT OF THE FIELD.
- v. UN-MOWED EDGE: LEAVING AN UN-MOWED FIELD EDGE IN HIGH TURTLE USE AREAS UNTIL AFTER SEPTEMBER 15<sup>TH</sup>. WOOD TURTLES ARE OFTEN IN FIELD EDGES CLOSEST TO NEARBY STREAMS.
7. REPORTING
- a. A COMPLIANCE MONITORING REPORT (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. ANY OBSERVATIONS OF RARE SPECIES, RESOURCE IMPACTS, OR CORRECTIVE ACTIONS WILL BE INCLUDED IN THE REPORTS.
- b. FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A FINAL COMPLIANCE MONITORING REPORT TO THE PERMITTEE DOCUMENTING IMPLEMENTATION OF THIS WETLAND AND RARE SPECIES 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 DEEP BY APT ON THE APPROPRIATE SPECIAL ANIMAL REPORTING FORM, WITH PHOTO-DOCUMENTATION (IF POSSIBLE) AND SPECIFIC INFORMATION ON THE LOCATION AND DISPOSITION OF THE ANIMAL.

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COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.  
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EXTENSION - SUITE 311  
WATERFORD, CT 06385  
OWNER: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

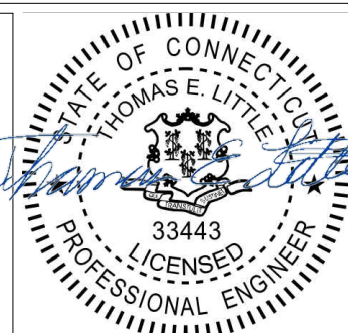
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DATE: 04/22/2024	CHECKED BY: RCB

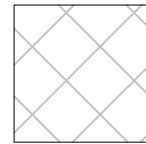
SHEET TITLE:

ENVIRONMENTAL NOTES -  
RESOURCE PROTECTION

SHEET NUMBER:

EC-3





PHASE 1 CLEARING AND GRUBBING AREA

PROPERTY LINE (TYP.)

100' WETLAND BUFFER (TYP.)

50' WETLAND BUFFER (TYP.)

WETLAND LIMIT (TYP.)

PROP. 12" FILTER SOCK TO BE INSTALLED AROUND JACKING PIT & STOCKPILE FOR JACKING OPERATIONS.

PROP. TEMPORARY MATERIAL & SPOIL STOCKPILE FROM JACKING PIT (TYP.)

PROP. EROSION CONTROL BLANKETS ON ALL SLOPES 3:1 7:1 GREATER.

PROP. OVERFLOW WEIR (TYP.)  
SPILLWAY ELEV. = 898.00'  
SPILLWAY WIDTH = 20.0'

PERMANENT LEVEL SPREADER (PLS-1) (TYP.)  
BOTTOM ELEV. = 892'

PROP. 24" SMOOTH INTERIOR HDPE PIPE  
LENGTH = 35.0'  
INV. IN = 895.00'  
INV. OUT = 894.00'  
SLOPE = 3.13%

PROP. OUTLET CONTROL STRUCTURE (TYP.) ORIFICE TO BE PLUGGED UNTIL SEDIMENT TRAP IS CONVERTED TO STORMWATER BASIN.  
RIM ELEV. = 896.00'  
INV. OUT = 896.00'

PROP. 2' WIDE RIP-RAP LINED SWALE (TYP.)

PROP. TEMPORARY SEDIMENT TRAP (TST-1)  
BOTTOM ELEV. = 895.00'  
WET ELEV. = 897.00'  
TOP ELEV. = 899.00'

PROP. TEMPORARY SEDIMENT BAFFLE (TYP.)

PROP. STOCK PILE AREA WITH SINGLE ROW COMPOST FILTER SOCK (TYP.) (IF REQUIRED)

TST-1  
±2.04 AC

PERIMETER CONTROL AREA  
±0.76 AC

EROSION CONTROL DRAINAGE AREA LIMITS (TYP.)

PERIMETER CONTROL AREA  
±0.96 AC

PROP. PHASE 1 CLEARING AND GRUBBING (±3.95 AC) TO FACILITATE INSTALLATION OF PERIMETER CONTROLS, SWALES & SEDIMENT TRAPS. 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 STABILIZED, LOAMED & SEEDED. (TYP.)

PROP. SILT FENCE W/ 12" COMPOST FILTER SOCK (TYP.)

PROP. DIRECT BORE RECEIVING PIT. DEWATERING OF PIT TO OCCUR AS NECESSARY DURING JACKING OPERATIONS (BY OTHERS)

PROP. 12" COMPOST FILTER SOCK TO BE INSTALLED AROUND STOCKPILE FOR JACKING OPERATIONS.

PROP. DIRECT BORE JACKING PIT. DEWATERING OF PIT TO OCCUR AS NECESSARY DURING JACKING OPERATIONS (BY OTHERS)

PROP. TEMPORARY MATERIAL & SPOIL STOCKPILE FROM JACKING PIT (TYP.)

PROP. 2' WIDE RIP-RAP LINED SWALE (TYP.)

PROP. TREE LINE (TYP.)

PROP. SILT FENCE WING TO BE INSTALLED ALONG SILT FENCE AT DRAINAGE AREA LIMITS

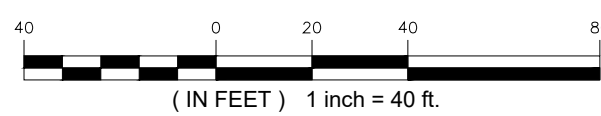
LIMIT OF DISTURBANCE (TYP.)

PROP. SILT FENCE W/ 12" COMPOST FILTER SOCK (TYP.)

PROP. SILT FENCE WING TO BE INSTALLED ALONG SILT FENCE AT DRAINAGE AREA LIMITS

MATCHLINE: SEE SHEET EC-5

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



NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND

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AVON, CT 06001

LOVERS LANE SOLAR

SITE: LOVERS LANE  
ADDRESS: TORRINGTON, CT

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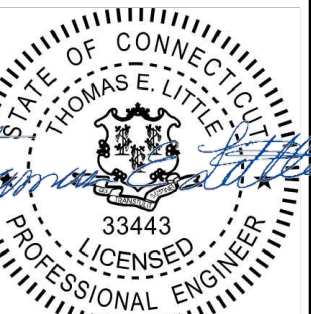
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SHEET TITLE:

PHASE 1  
SEDIMENTATION & EROSION  
CONTROL PLAN

SHEET NUMBER:

EC-4



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AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

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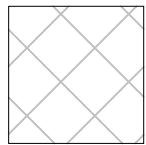
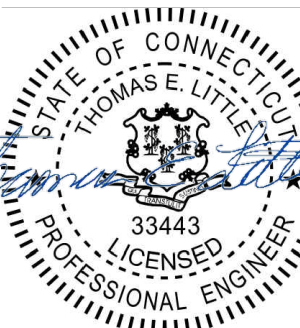
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SHEET TITLE:  
**PHASE 1  
SEDIMENTATION & EROSION  
CONTROL PLAN**

SHEET NUMBER:

EC-5

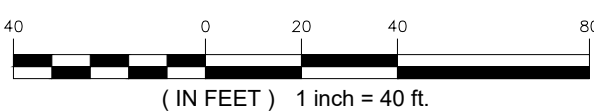


PHASE 1 CLEARING AND GRUBBING AREA

MATCHLINE: SEE SHEET EC-4

MATCHLINE: SEE SHEET EC-6

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



NOTES:  
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LOVERS LANE SOLAR

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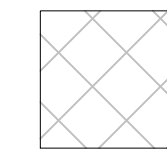
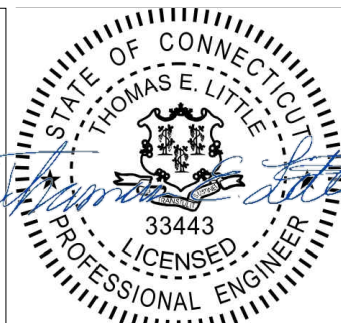
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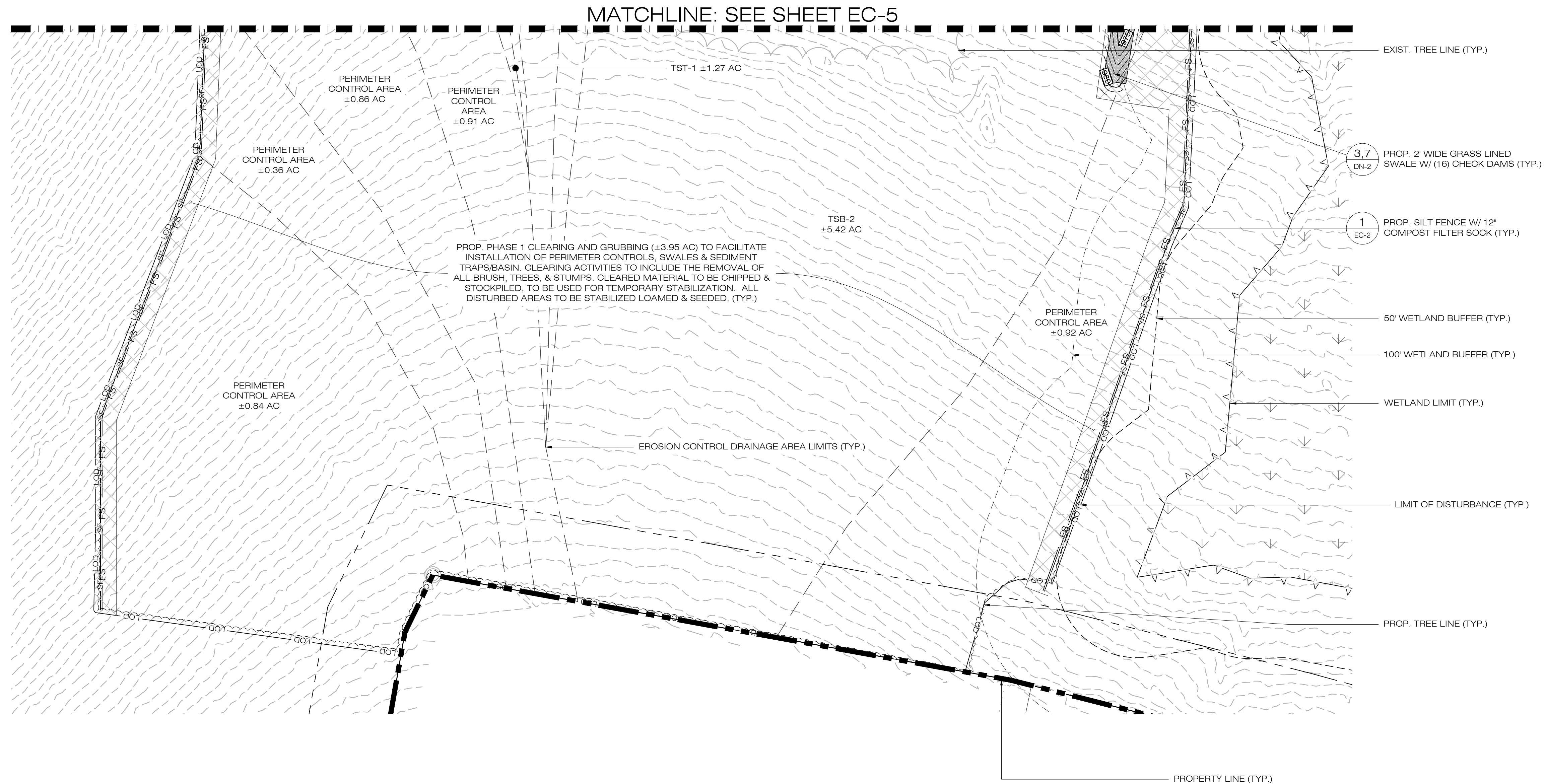
PHASE 1  
SEDIMENTATION & EROSION  
CONTROL PLAN

SHEET NUMBER:

EC-6



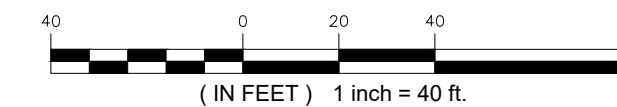
PHASE 1 CLEARING AND GRUBBING AREA



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EC-6

PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE: 1" = 40'-0"



NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND

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

CSC PERMIT SET

NO	DATE	REVISION
1	07/26/24	CSC SUBMISSION
2		
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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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE: LOVERS LANE  
ADDRESS: TORRINGTON, CT

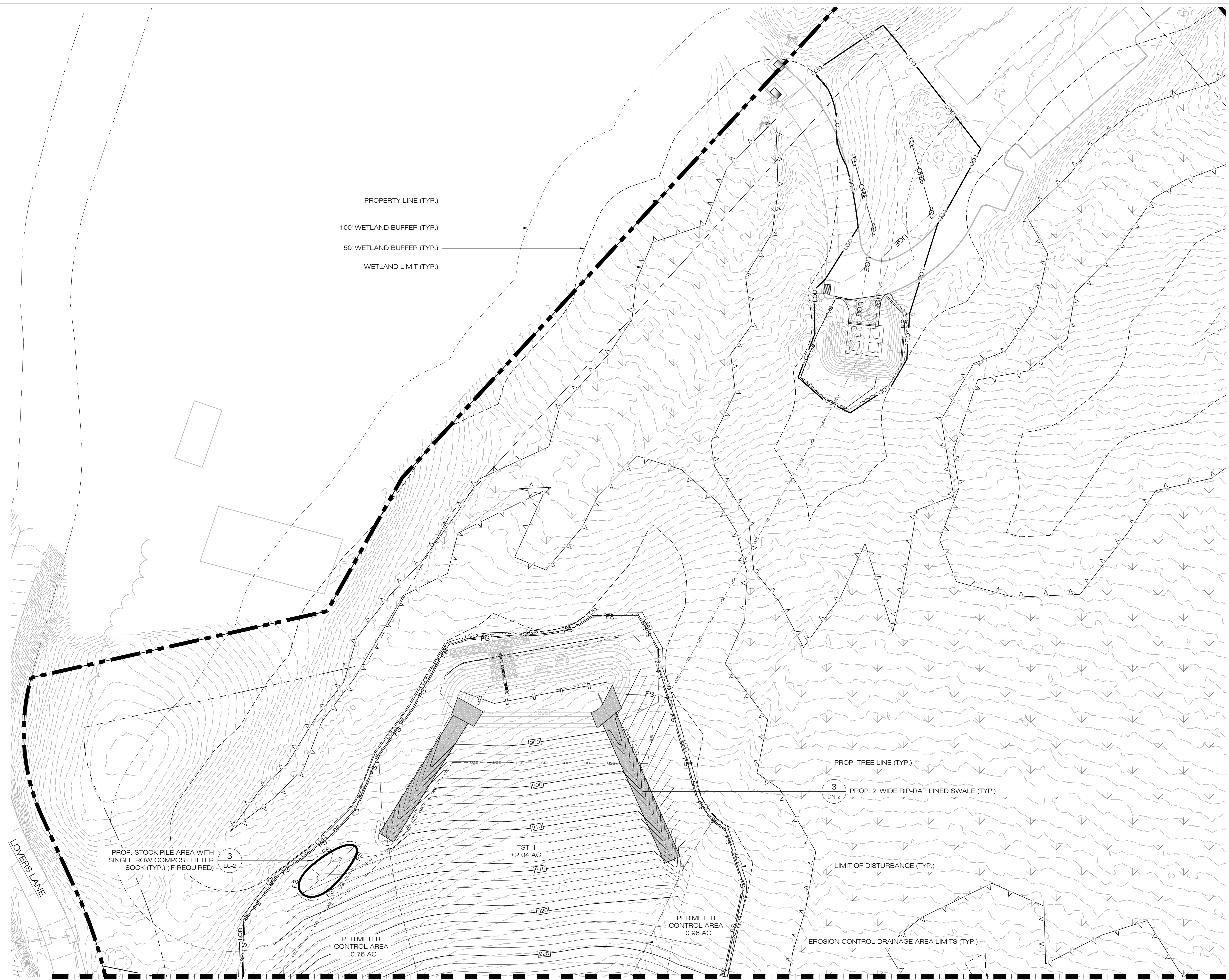
APT FILING NUMBER: CT606190

	DRAWN BY: TEL
DATE: 04/22/2024	CHECKED BY: RCB

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

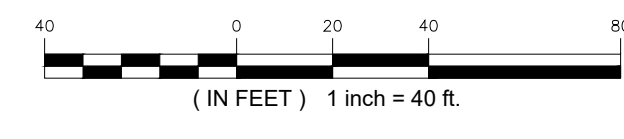
SHEET NUMBER:

**EC-7**



MATCHLINE: SEE SHEET EC-8

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

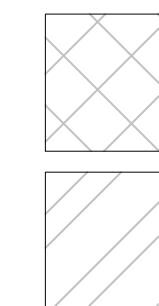


NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND

PROP. CONSTRUCTION  
ENTRANCE (MINIMUM 50' LONG)

2  
EC-2

MATCHLINE: SEE SHEET EC-7



PHASE 2 CLEARING AND GRUBBING AREA

PHASE 2 TREE CUTTING ONLY AREA

PROPERTY LINE (TYP.)

LOVERS LANE

PROP. TREE LINE (TYP.)

LIMIT OF DISTURBANCE (TYP.)

PERIMETER  
CONTROL AREA  
±0.53 AC

PERIMETER  
CONTROL AREA  
±0.91 AC

PERIMETER  
CONTROL AREA  
±0.86 AC

PERIMETER  
CONTROL AREA  
±0.76 AC

PERIMETER  
CONTROL AREA  
±0.75 AC

PERIMETER  
CONTROL AREA  
±0.96 AC

PERIMETER  
CONTROL AREA  
±0.80 AC

3  
EC-2  
PROP. STOCK PILE AREA WITH  
SINGLE ROW COMPOST FILTER  
SOCK (TYP.) (IF REQUIRED)

3  
EC-2  
PROP. STOCK PILE AREA WITH  
SINGLE ROW COMPOST FILTER  
SOCK (TYP.) (IF REQUIRED)

PROP. PHASE 2 TREE CUTTING ONLY (±1.85 AC). TREE  
CUTTING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL  
TREES WITH STUMPS TO REMAIN. CUT TREE MATERIAL  
TO BE CHIPPED & STOCKPILED, TO BE USED FOR  
TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO  
BE STABILIZED, LOAMED & SEEDED (TYP.)

PROP. PHASE 2 CLEARING AND GRUBBING (±4.76 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 STABILIZED, LOAMED & SEEDED (TYP.)

EROSION CONTROL DRAINAGE AREA LIMITS (TYP.)

TST-2  
±5.42 AC

MATCHLINE: SEE SHEET EC-9

3  
DN-2

PROP. 2' WIDE RIP-RAP LINED SWALE (TYP.)

100' WETLAND BUFFER (TYP.)

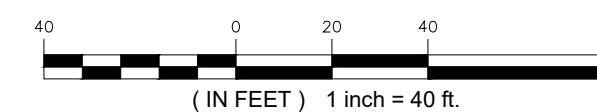
50' WETLAND BUFFER (TYP.)

WETLAND LIMIT (TYP.)

1  
EC-8

## PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE: 1" = 40'-0"



NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

### CSC PERMIT SET

NO	DATE	REVISION
1	07/26/24	CSC SUBMISSION
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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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

### LOVERS LANE SOLAR

SITE: LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

DRAWN BY: TEL

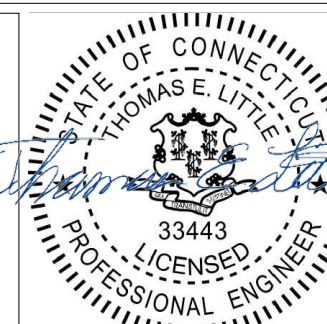
DATE: 04/22/2024 CHECKED BY: RCB

SHEET TITLE:

PHASE 2  
SEDIMENTATION & EROSION  
CONTROL PLAN

SHEET NUMBER:

EC-8



LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

OWNER: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

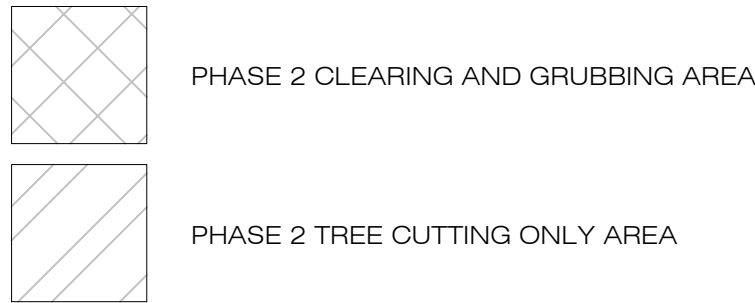
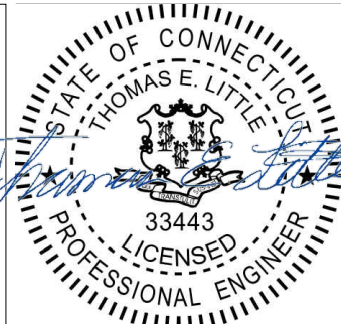
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DATE: 04/22/2024	CHECKED BY: RCB

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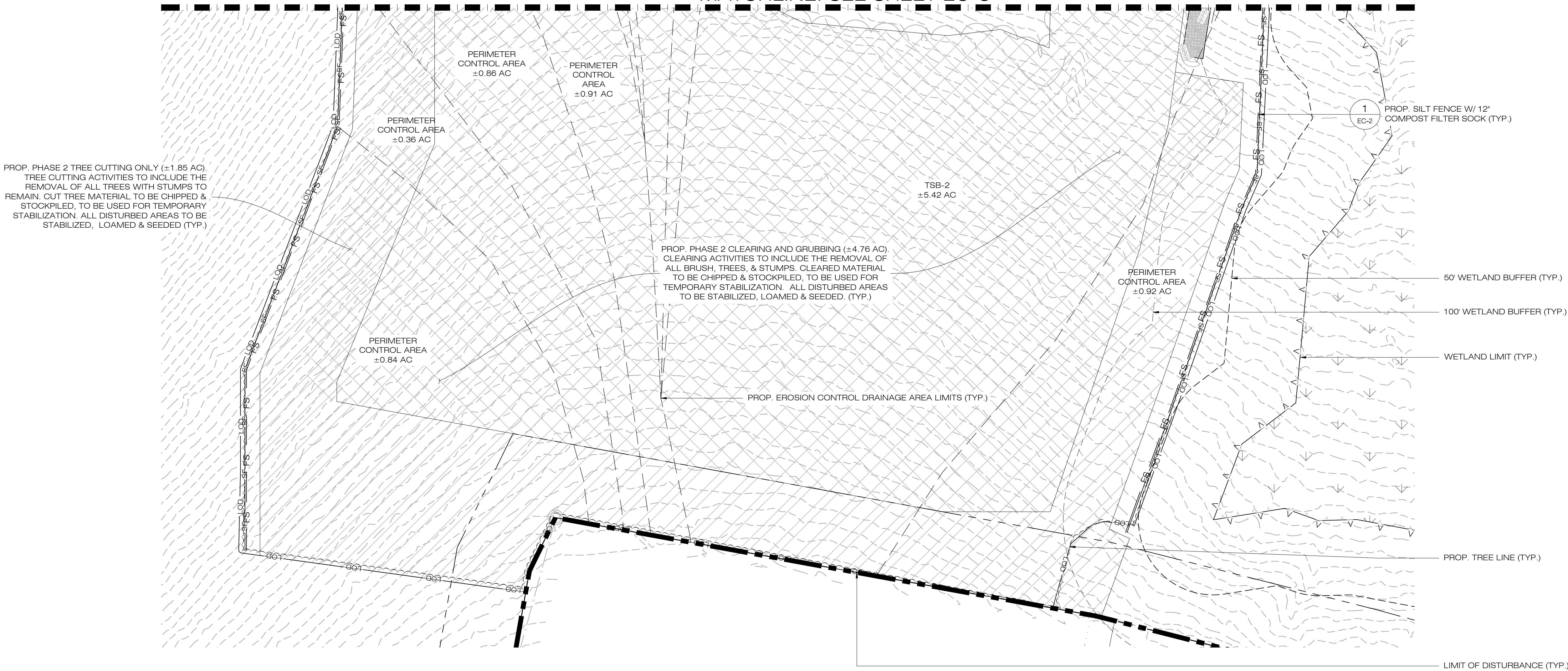
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SEDIMENTATION & EROSION  
CONTROL PLAN

SHEET NUMBER:

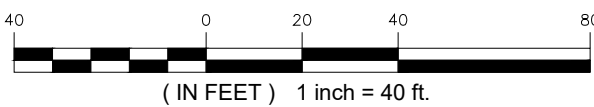
EC-9



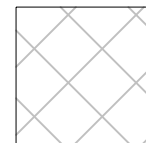
MATCHLINE: SEE SHEET EC-8



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



NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND



PHASE 3 CLEARING AND GRUBBING AREA

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

CSC PERMIT SET

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

OWNER: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE: LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

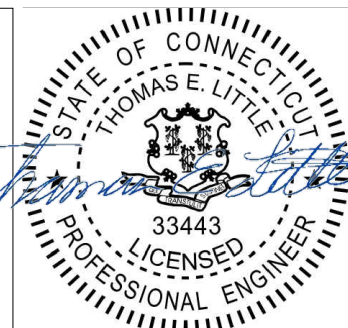
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DATE: 04/22/2024	CHECKED BY: RCB

SHEET TITLE:

**PHASE 3  
SEDIMENTATION & EROSION  
CONTROL PLAN**

SHEET NUMBER:

**EC-10**



PROPERTY LINE (TYP.)

100' WETLAND BUFFER (TYP.)

50' WETLAND BUFFER (TYP.)

WETLAND LIMIT (TYP.)

PROP. TREE LINE (TYP.)

PROP. PHASE 3 CLEARING AND GRUBBING ( $\pm 1.44$  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 STABILIZED, LOAMED & SEEDED (TYP.)

LIMIT OF DISTURBANCE (TYP.)

1  
EC-2  
PROP. SILT FENCE W/ 12"  
COMPOST FILTER SOCK (TYP.)

PROP. STOCK PILE AREA WITH  
SINGLE ROW COMPOST FILTER  
SOCK (TYP.) (IF REQUIRED)

3  
EC-2

TST-1  
 $\pm 2.04$  AC

PERIMETER  
CONTROL AREA  
 $\pm 0.76$  AC

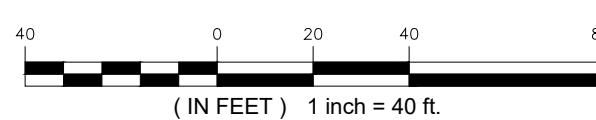
EROSION CONTROL DRAINAGE AREA LIMITS (TYP.)

PERIMETER  
CONTROL AREA  
 $\pm 0.96$  AC

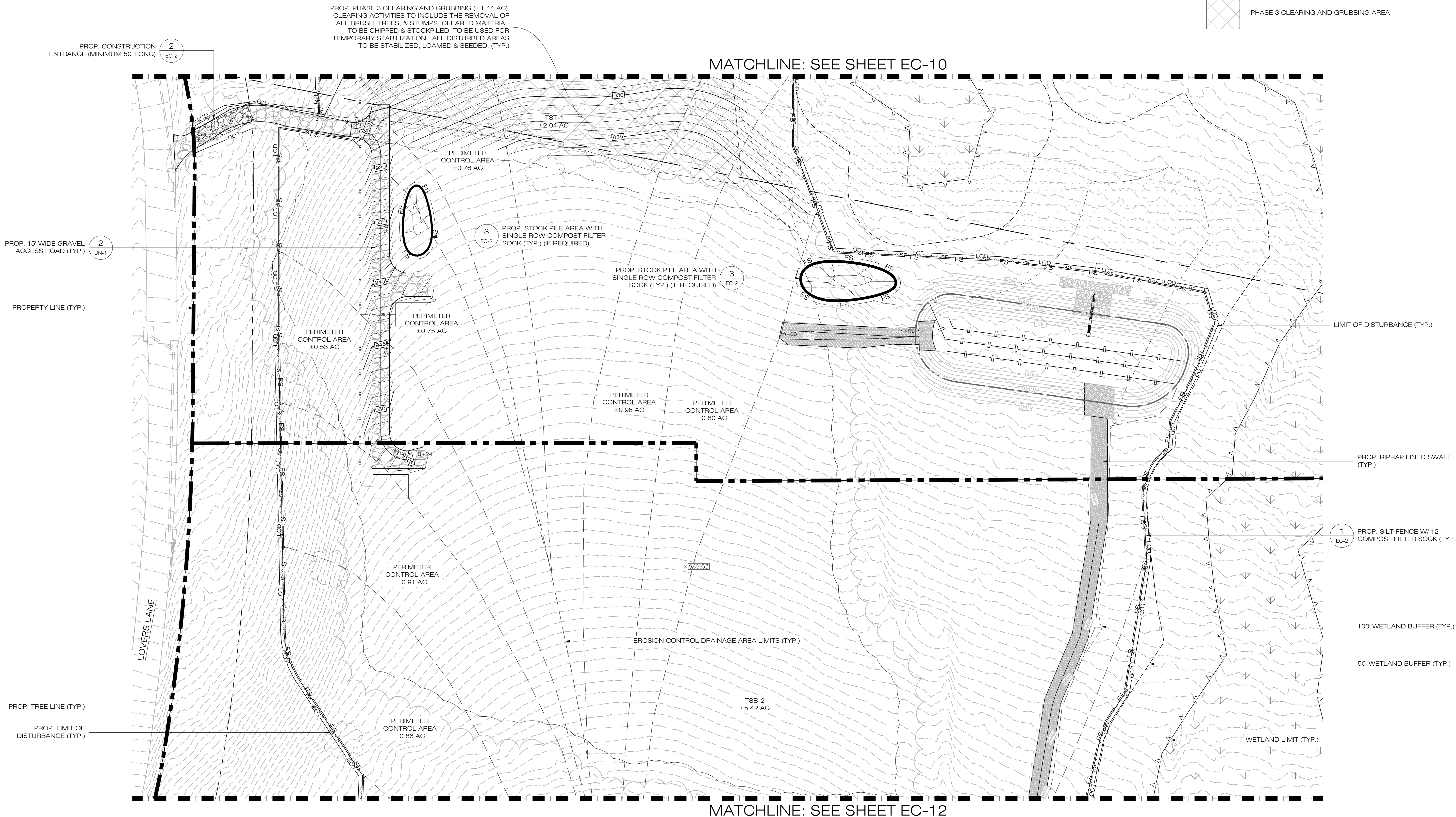
MATCHLINE: SEE SHEET EC-11

**PHASE 3 - SEDIMENTATION & EROSION CONTROL PLAN**

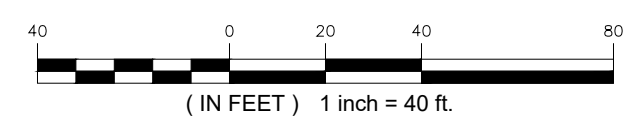
SCALE: 1" = 40'-0"



NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND



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



NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06385 PHONE: (860)-663-1697  
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CSC PERMIT SET		
NO	DATE	REVISION
1	07/26/24	CSC SUBMISSION
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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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

DRAWN BY: TEL

DATE: 04/22/2024 CHECKED BY: RCB

SHEET TITLE:

PHASE 3  
SEDIMENTATION & EROSION  
CONTROL PLAN

SHEET NUMBER:

EC-11

STATE OF CONNECTICUT  
THOMAS E. LITTLE  
33443  
LICENSED  
PROFESSIONAL ENGINEER

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

OWNER: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

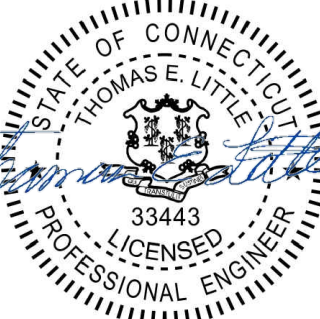
DRAWN BY: TEL

DATE: 04/22/2024 CHECKED BY: RCB

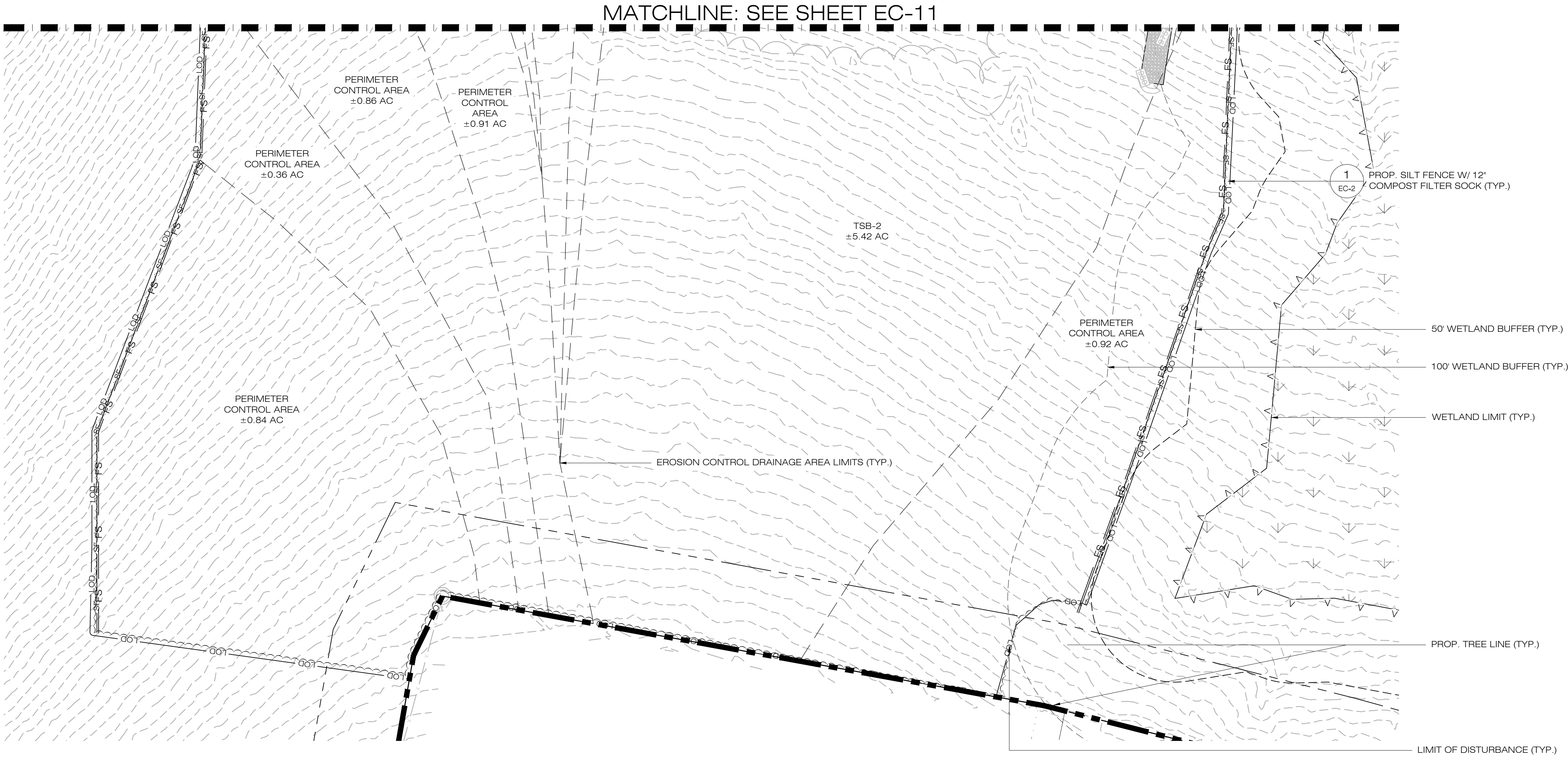
SHEET TITLE:  
**PHASE 3  
SEDIMENTATION & EROSION  
CONTROL PLAN**

SHEET NUMBER:

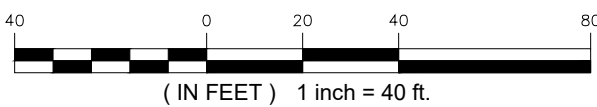
EC-12



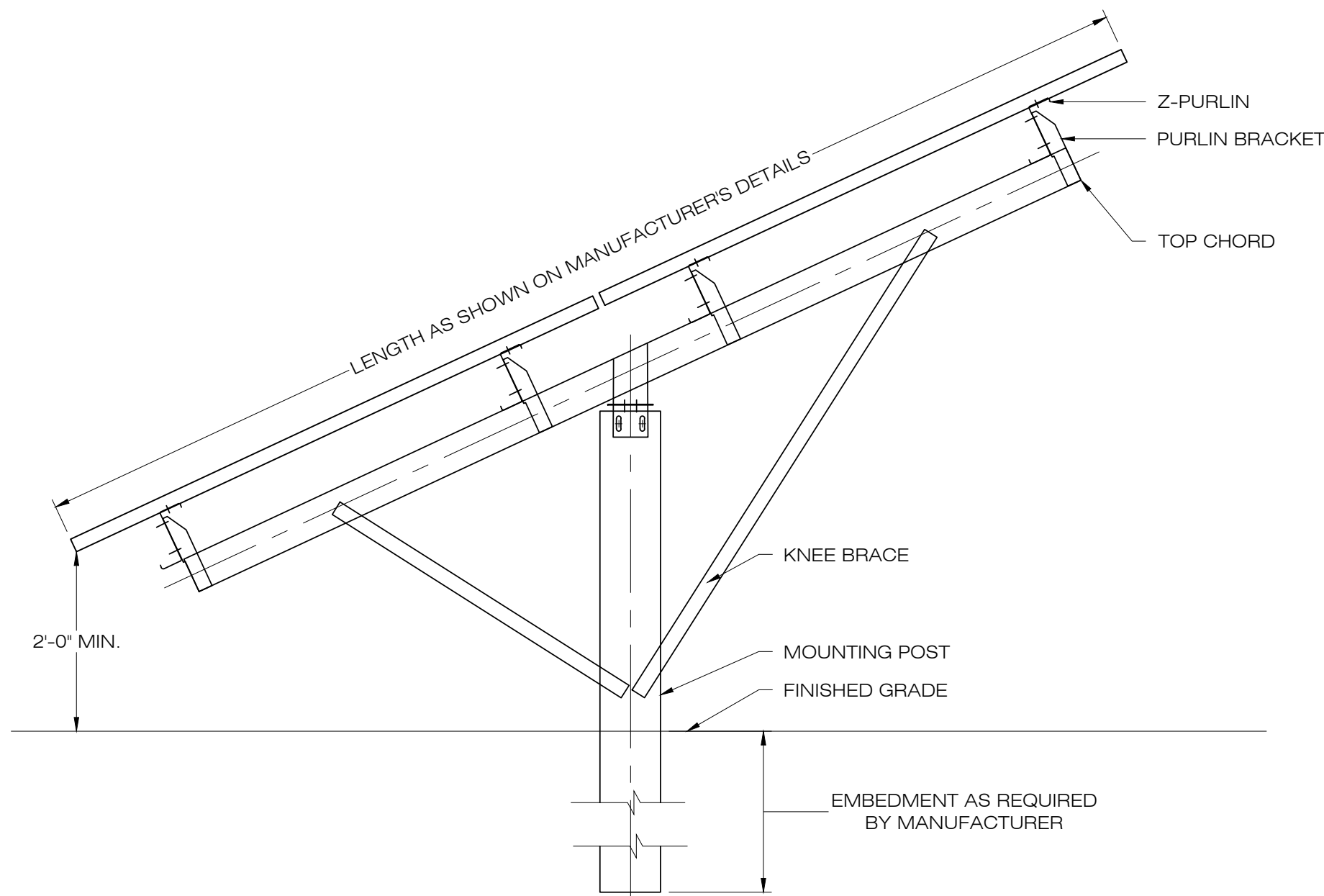
PHASE 3 CLEARING AND GRUBBING AREA  
PHASE 3 TREE CUTTING ONLY AREA



**1** **PHASE 3 - SEDIMENTATION & EROSION CONTROL PLAN**  
EC-12 **SCALE: 1" = 40'-0"**



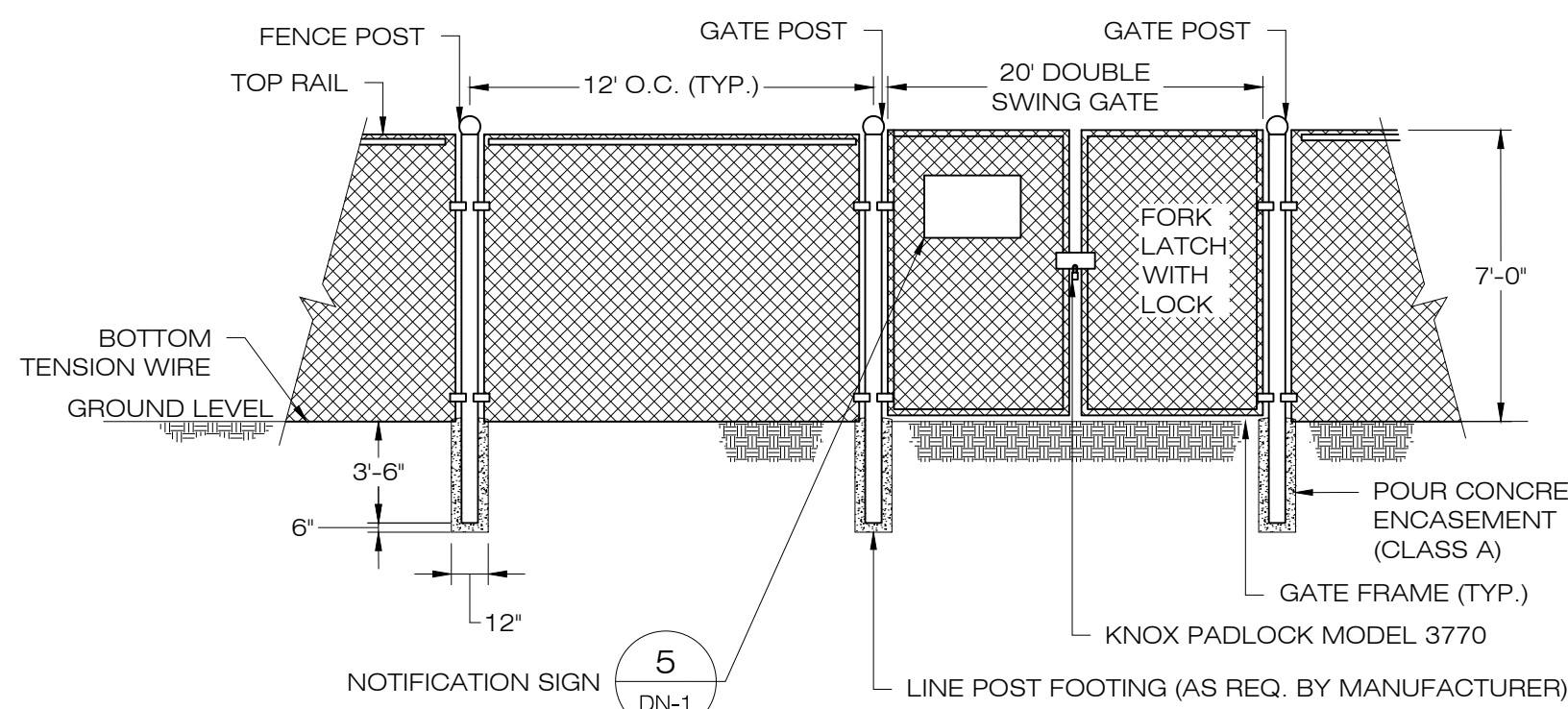
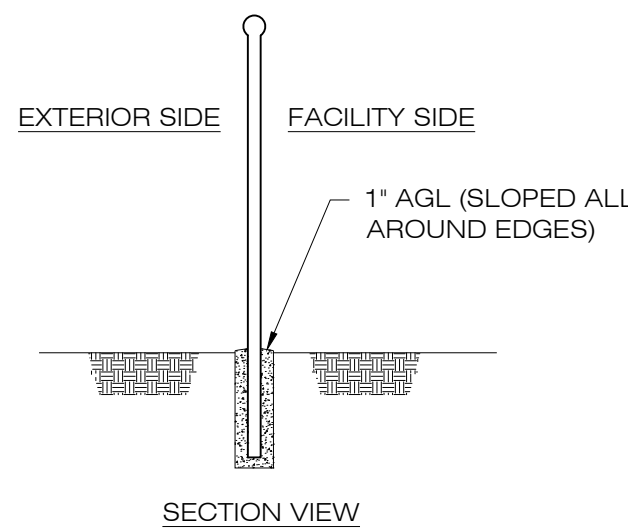
NOTES:  
1. SEE SHEET GN-1 FOR GENERAL LEGEND



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.

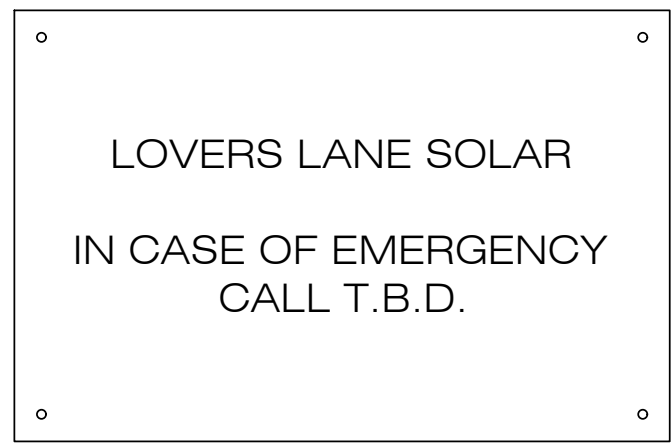
#### 1 TYPICAL POST MOUNTED RACKING SYSTEM

DN-1  
SCALE : N.T.S.



#### 4 BLACK VINYL CHAIN-LINK FENCE & GATE DETAIL

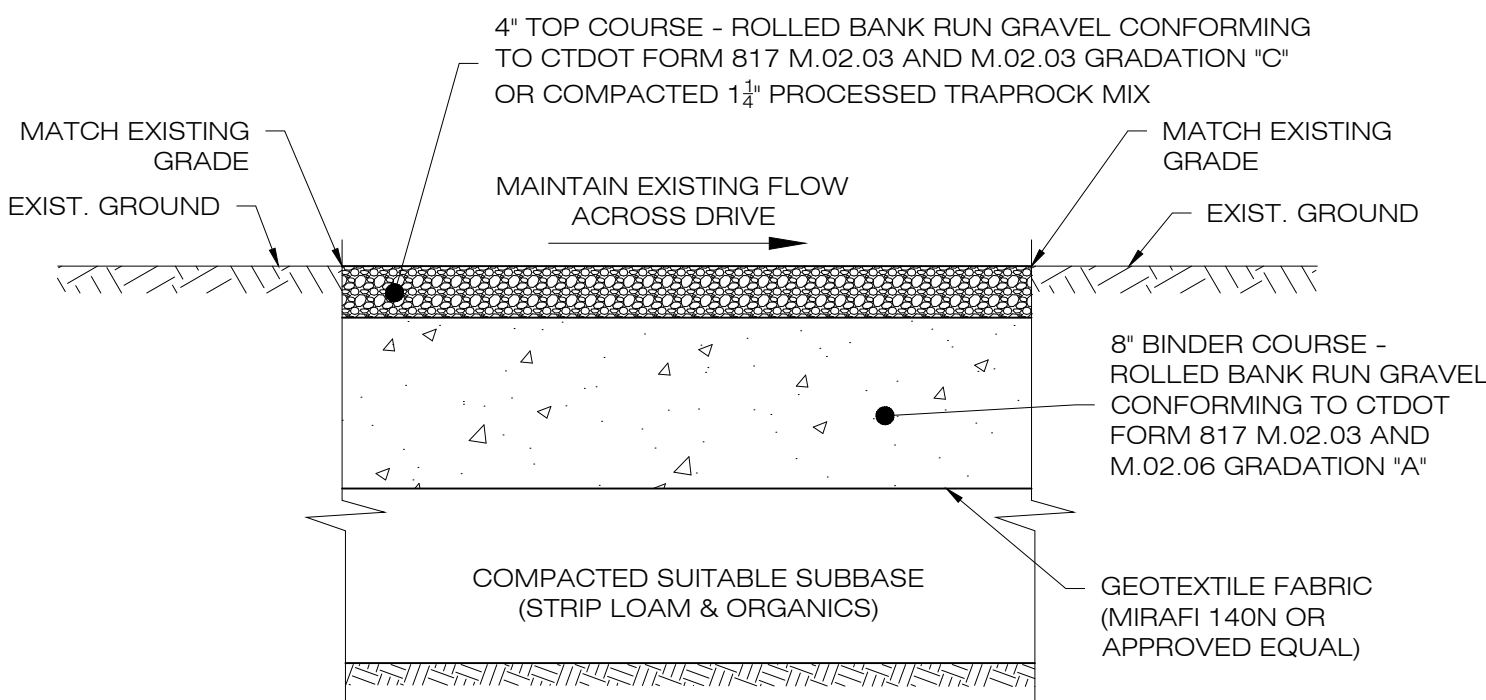
DN-1  
SCALE : N.T.S.



NOTES:  
EMERGENCY CALL NUMBER TO BE PROVIDED ONCE DETERMINED.

#### 5 NOTIFICATION SIGN DETAIL

DN-1  
SCALE : N.T.S.



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

#### 2 GRAVEL ACCESS DRIVE SECTION

DN-1  
SCALE : N.T.S.



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

Date: April 14, 2021

#### Fuzz & Buzz Mix - Premium - ERNMx-147

Botanical Name	Common Name	Price/lb
24.20 % <i>Lolium perenne</i> , 'Crave', Tetraploid	Perennial Ryegrass, 'Crave', Tetraploid	3.48
17.70 % <i>Dactylis glomerata</i> , 'Pennlate'	Orchardgrass, 'Pennlate'	3.00
17.70 % <i>Festuca elatior</i>	Meadow Fescue	4.80
17.70 % <i>Poa pratensis</i> , 'Ginger'	Kentucky Bluegrass, 'Ginger' (pasture type)	3.36
5.40 % <i>Trifolium hybridum</i>	Alsike Clover	3.90
4.90 % <i>Trifolium incarnatum</i> , Variety Not Stated	Crimson Clover, Variety Not Stated	1.92
4.50 % <i>Trifolium pratense</i> , Medium, Variety Not Stated	Red Clover, Medium, Variety Not Stated	3.00
2.00 % <i>Lotus corniculatus</i> , 'Leo'	Bird's Foot Trefoil, 'Leo'	7.50
1.30 % <i>Chrysanthemum leucanthemum</i>	Oxeye Daisy	33.60
1.30 % <i>Cichorium intybus</i>	Blue Chicory	19.20
0.80 % <i>Chamaecrista fasciculata</i> , PA Ecotype	Partridge Pea, PA Ecotype	7.20
0.40 % <i>Aster oblongifolius</i> , PA Ecotype	Aromatic Aster, PA Ecotype	336.00
0.40 % <i>Aster prenanthoides</i> , PA Ecotype	Zigzag Aster, PA Ecotype	432.00
0.40 % <i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis	28.80
0.40 % <i>Tradescantia ohiensis</i> , PA Ecotype	Ohio Spiderwort, PA Ecotype	192.00
0.40 % <i>Zizia aurea</i>	Golden Alexanders	288.00
0.30 % <i>Solidago nemoralis</i> , PA Ecotype	Gray Goldenrod, PA Ecotype	336.00
0.10 % <i>Asclepias syriaca</i>	Common Milkweed	163.20
0.10 % <i>Penstemon hirsutus</i>	Hairy Beardtongue	480.00

100.00 % Mix Price/lb Bulk: \$10.91

Seeding Rate: Expect to apply about 42 lbs per acre with a cover crop of annual ryegrass at 12 lbs/acre.

Forage & Pasture Sites; Solar Sites

#### 6 FUZZ & BUZZ MIX

DN-1  
SCALE : N.T.S.



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

Date: March 14, 2024

#### Retention Basin Floor Mix - Low Maintenance - ERNMx-126

Botanical Name	Common Name	Price/Lb
20.00 % <i>Panicum clandestinum</i> , Tioga	Deertongue, Tioga	22.08
20.00 % <i>Puccinellia distans</i> , Fults	Alkaligrass, Fults	4.56
18.00 % <i>Elymus virginicus</i> , Madison-NY Ecotype	Virginia Wildrye, Madison-NY Ecotype	10.45
15.00 % <i>Agrostis stolonifera</i> , 'Penncross'	Creeping Bentgrass, 'Penncross'	14.40
15.00 % <i>Poa palustris</i>	Fowl Bluegrass	16.80
10.00 % <i>Carex vulpinoidea</i> , PA Ecotype	Fox Sedge, PA Ecotype	28.80
1.00 % <i>Carex scoparia</i> , PA Ecotype	Blunt Broom Sedge, PA Ecotype	81.60
1.00 % <i>Juncus effusus</i>	Soft Rush	48.00

100.00 % Mix Price/Lb Bulk: \$16.06

Seeding Rate: 20-40 lbs per acre, or 0.5-1 lb/1,000 sq ft with a cover crop. For a cover crop use one of the following: grain rye (1 Sep to 30 Apr; 30 lbs/acre), Japanese millet (1 May to 31 Aug; 10 lbs/acre), or barnyard grass (1 May to 31 Aug; 10 lbs/acre).

Grasses & Grass-like Species - Herbaceous Perennial; Stormwater Management

The hardy inexpensive grass and grass-like species are ideal for retention basins that may have high salt inflows and where mowing may be required. 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 STORMWATER MANAGEMENT BASIN MIX

DN-1  
SCALE : N.T.S.

**LSE SEXTANS LLC & LSE SEXTANS II LLC**  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

#### CSC PERMIT SET

NO	DATE	REVISION
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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: CLOVER RIDGE LLC**  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

#### LOVERS LANE SOLAR

**SITE** LOVERS LANE  
**ADDRESS:** TORRINGTON, CT

**APT FILING NUMBER:** CT606190

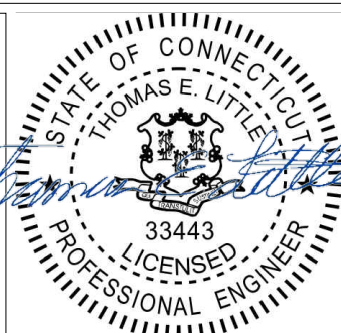
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<b>DATE:</b> 04/22/2024	<b>CHECKED BY:</b> RCB

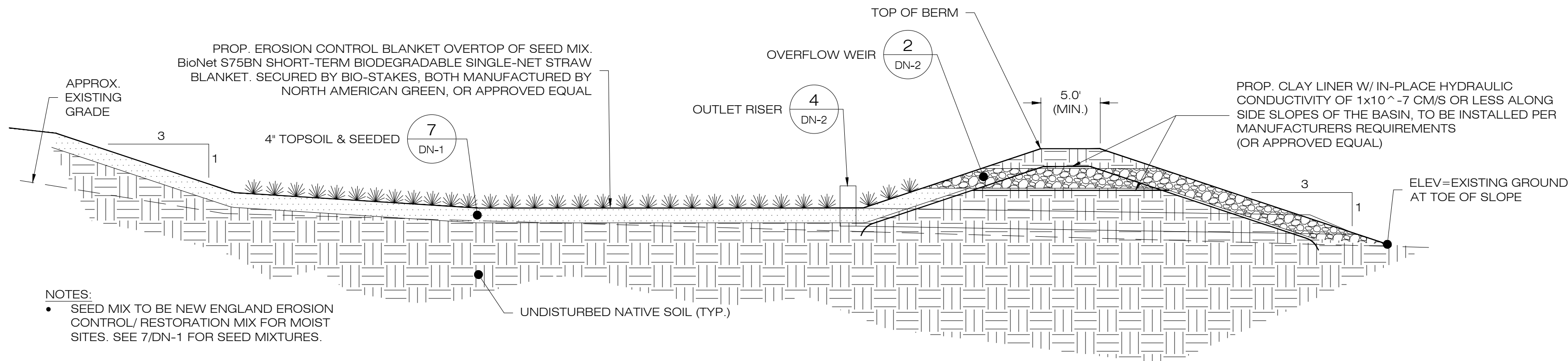
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#### SITE DETAILS

SHEET NUMBER:

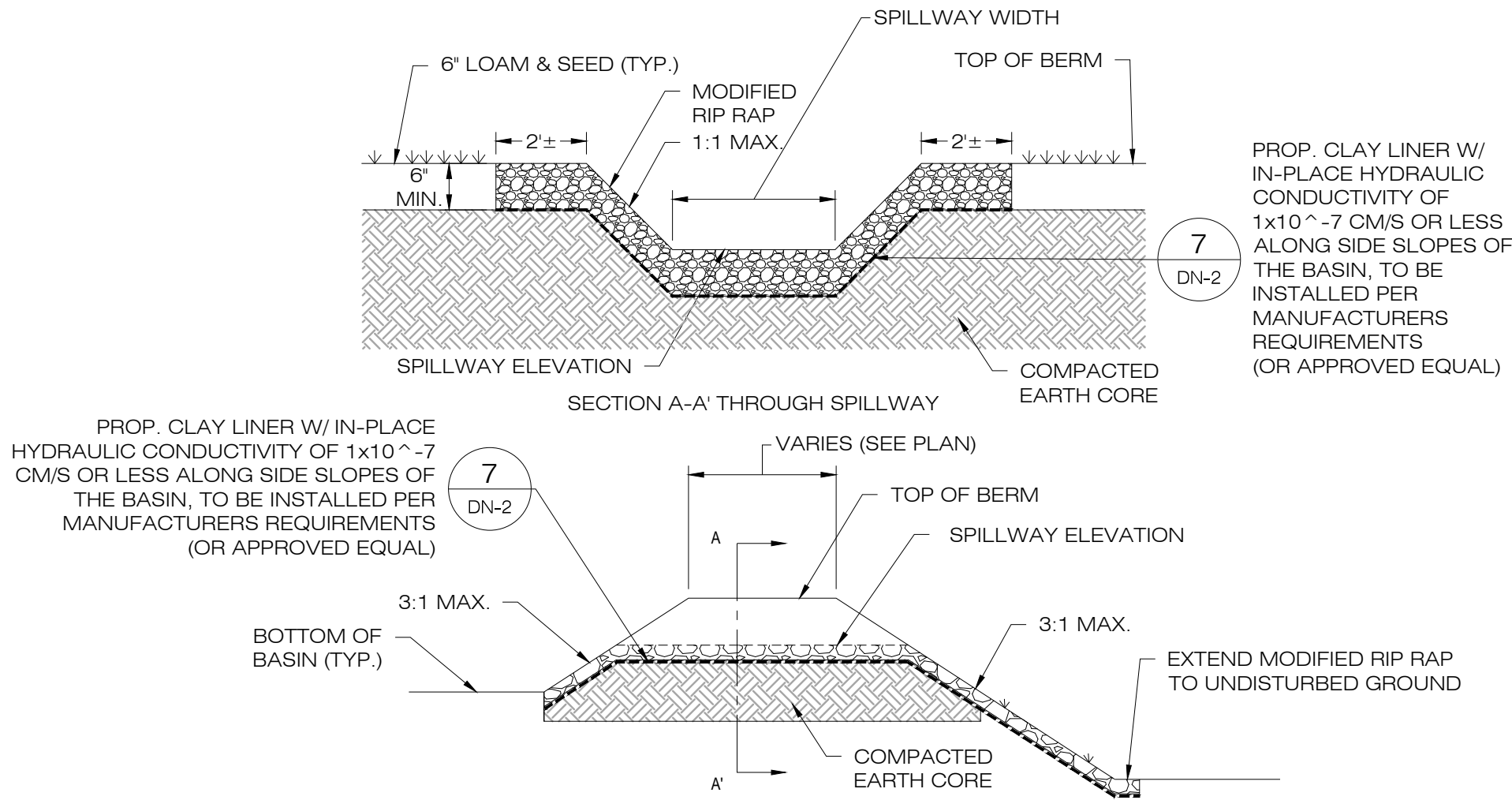
DN-1



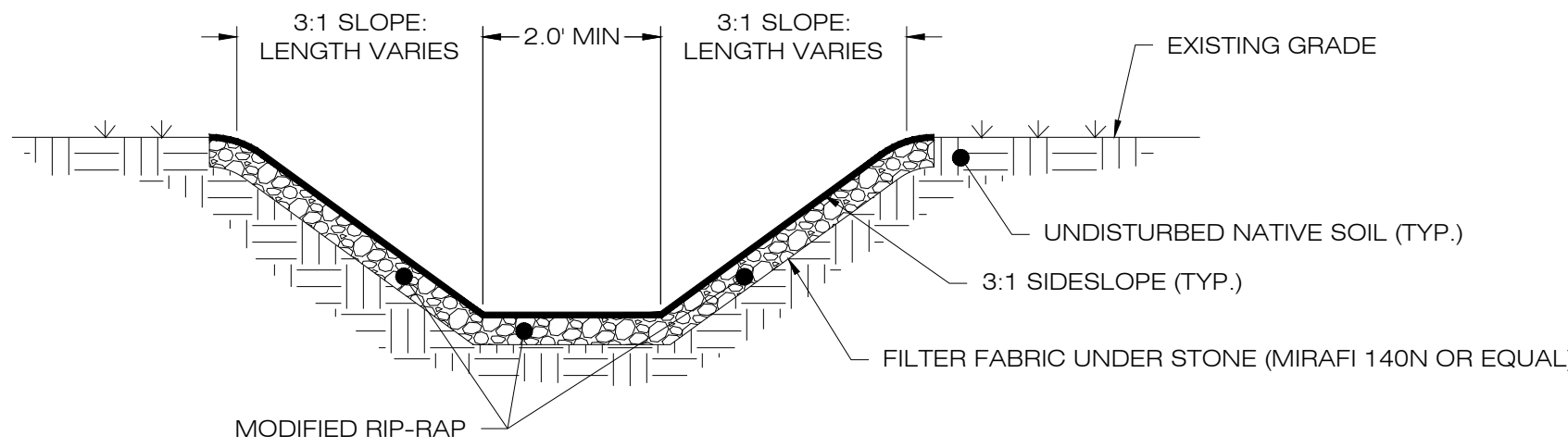


1 **GRASS LINED STORMWATER BASIN**  
SCALE : N.T.S.

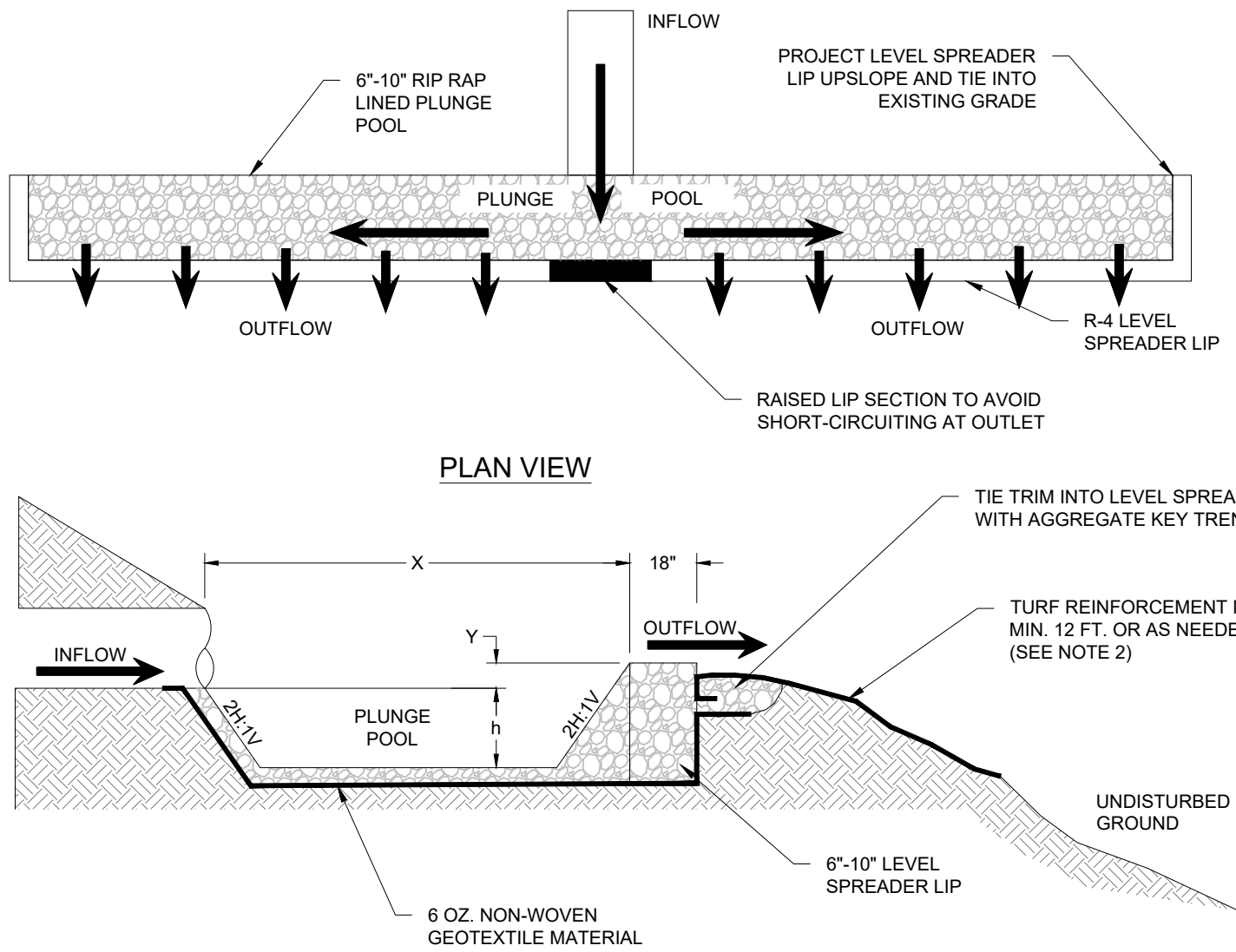
HDPE OUTLET PIPE SIZING TABLE										
BASIN	ORIFICE SIZE (IN)	ORIFICE ELEV. (FT.)	GRATE SIZE (IN)	GRATE ELEV. (FT)	GRATE	OUTLET PIPE SIZE (IN.)	OUTLET PIPE LENGTH (FT)	OUTLET PIPE SLOPE (%)	OUTLET PIPE INV. ELEV. AT STRUCTURE (FT)	OUTLET PIPE INV. AT OUTFALL (FT)
B-1	3	896.0	12	897.0	12	24	32.0	3.13%	895.0	894.00'
B-2	3	937.0	12	938.0	12	24	34	2.94%	936.0	935.00'



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



3 **RIP-RAP LINED SWALE**  
SCALE : N.T.S.

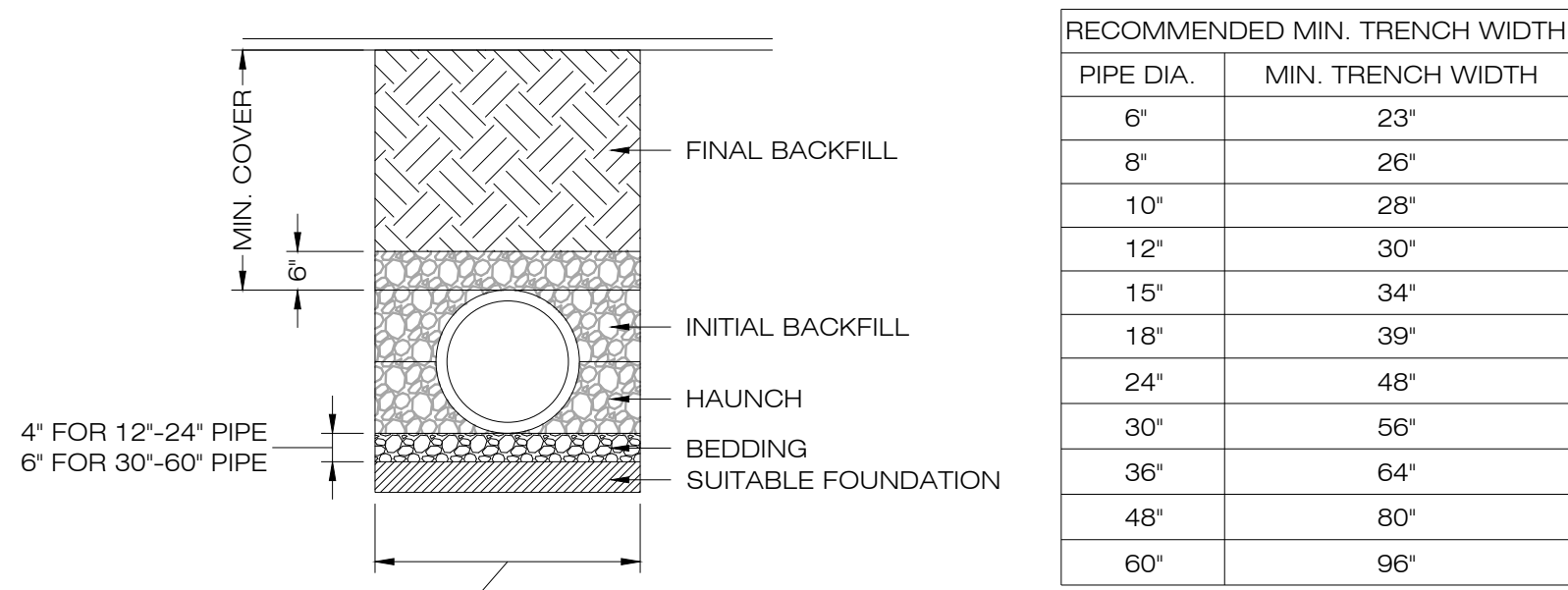


PROFILE VIEW

LEVEL SPREADER ID	LEVEL SPREADER LENGTH, L(FT)	PLUNGE POOL LENGTH, X (FT)	PLUNGE POOL HEIGHT, h (FT)	VERTICAL SEPERATION Y(FT)
PLS-1	67	6	1	0.5
PLS-2	59	6	1	0.5

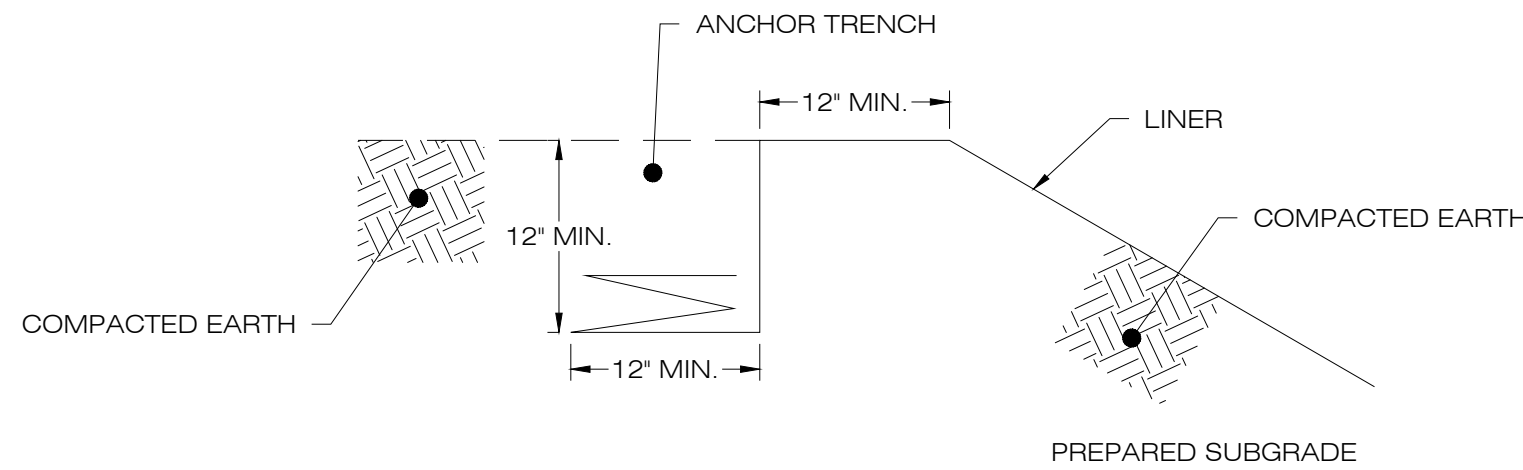
- NOTES:
- UNDERLYING SOILS TO REMAIN UNDISTURBED, COMPACTED AND PROTECTED FROM HEAVY EQUIPMENT TO PRESERVE INFILTRATION CAPACITY.
  - LEVEL SPREADER TO BE INSTALLED COMPLETELY LEVEL ALONG THE EXISTING CONTOUR WITH A SMOOTH TRANSITION BETWEEN THE LEVEL SPREADER AND THE EXISTING GRADE. THE IDEAL ELEVATION OF THE LEVEL SPREADER LIP IS 3 INCHES ABOVE THE EXISTING GRADE.
  - THE MINIMUM WIDTH OF 12\"/>

6 **PERMANENT LEVEL SPREADER**  
SCALE : N.T.S.



- 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\"/>
  - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6\"/>
  - MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12\"/>

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



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

LSE SEXTANS LLC & LSE  
SEXTANS II LLC  
40 TOWER LANE, SUITE 201  
AVON, CT 06001



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

CSC PERMIT SET

NO	DATE	REVISION
1	07/26/24	CSC SUBMISSION
2		
3		
4		
5		
6		
7		

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: CLOVER RIDGE LLC  
ADDRESS: 40 TOWER LANE STE 201  
AVON, CT 06001

LOVERS LANE SOLAR

SITE LOVERS LANE  
ADDRESS: TORRINGTON, CT

APT FILING NUMBER: CT606190

	DRAWN BY: TEL
DATE: 04/22/2024	CHECKED BY: RCB

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

DN-2

