

PAUL R. MICHAUD

Managing Attorney / Principal 101 Centerpoint Drive, Suite 230 Middletown, CT 06457 Direct Telephone: (860) 338-3728 Email: pmichaud@michaud.law Web: www.michaudlaw.com

June 2, 2022

FILED BY ELECTRONIC MAIL AND HAND DELIVERY

Melanie Bachman, Esq. Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Re: **PETITION NO. 1492** – CT NSB ProjectCo LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1.99-megawatt AC solar photovoltaic electric generating facility located at 486 Fitch Hill Road, Montville (Uncasville), Connecticut, and associated electrical interconnection.

Dear Attorney Bachman:

On behalf of CT NSB ProjectCo LLC ("Petitioner"), please accept the enclosed responses to the interrogatories provided by the Connecticut Siting Council ("Council") on May 12, 2022.

Consistent with Council requirements, Petitioner submits one electronic version, an original, and fifteen hard copies of all necessary documents.

Please feel free to contact me if you have any questions.

Very truly yours,

Paul R. Michaud Dylan J. Gillis



STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: <u>siting.council@ct.gov</u> Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

May 12, 2022

Paul R. Michaud, Esq. Principal/Managing Attorney Michaud Law Group LLC 101 Centerpoint Drive, Suite 230 Middletown, CT 06457 pmichaud@michaud.law

RE: **PETITION NO. 1492** – CT NSB ProjectCo LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1.99-megawatt AC solar photovoltaic electric generating facility located at 486 Fitch Hill Road, Montville (Uncasville), Connecticut, and associated electrical interconnection.

Dear Attorney Michaud:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than June 2, 2022. Please submit an original and 15 copies to the Council's office and an electronic copy to siting.council@ct.gov. In accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies, the Council requests all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the June 2, 2022 deadline.

Copies of your responses are required to be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

Melanie A. Bachman Executive Director

Mukhael

C: Service List

MB/RM

Petition No. 1492

CT NSB ProjectCo LLC Montville, Connecticut

Interrogatories – Set 2

What is the additional cost to install a pad mounted interconnection? Would CT NSB ProjectCo be willing to install a pad-mounted interconnection to reduce the number of utility poles?

Response:

The additional cost to install a pad mounted interconnection would be approximately \$450,000 and would eliminate the 8 overhead circuit collection poles (P-11 to P-18). The Eversource meters would still be mounted on poles, 10 poles would remain (P-1 to P-10).

The additional cost was not considered at the time of bid and may prove to be cost prohibitive.

What is the estimated annual capacity factor of the proposed Project? (how much energy is actually produced compared with its maximum output rating?)

Response:

The estimated annual capacity factor is 23.1%. The capacity factor is this high due to the use of single-axis trackers.

57. Referencing Interrogatory Response 54, submit the TCLP results for the HT SAAE modules.

Response:

The HT SAAE modules no longer apply. Due to limited product availability the HT SAAE modules have been replaced with Trina TSM-DEG19C.20-540W. Please see, "Exhibit A: Trina TCLP Report" attached.

58. Based on the TCLP Certificate for the Talesun modules provided in Interrogatory response 54, it appears theses panels exceed the regulatory thresholds for lead and would be considered hazardous waste upon disposal. Would the Petitioner be willing to substitute these panels for panels that are deemed non-hazardous waste under current regulatory criteria?

Response:

Yes, due to limited product availability the modules have been replaced with Trina TSM-DEG19C.20-540W.

Based on the module revision, the system size is as follows:

System Size DC = 2.57 MWDC Eight (8) systems at 249.2kWAC/System System Size AC = 1.99 MWAC system. 59. Referencing Interrogatory Response 31, the slope analysis map did not have corresponding colors in the Legend. Revise the map to include the slope information.

Response:

The revised Site Plans dated May 31, 2022, provide an updated Sheet EX-1 that includes the corresponding slope analysis map colors in the legend. Please see, "Exhibit B: Revised Site Maps" attached.

60. Does the solar array design include 15 feet of clear space from the edge of the solar panels to the perimeter fence? If not, in what locations is the fence closer than 15 feet?

Response:

Yes, all solar panels have been designed to be at least 15 feet away from the perimeter fence.

61. On page 33 of the Petition Environmental Assessment, it states noise levels were calculated from the transformers to the nearest property line (234 feet). Provide the calculated noise level at this property line.

Response:

The transformer closest to the nearest property line is now 211 feet as a result of the design change associated with the updated solar modules. The predicted noise level at this property line is ± 14.5 dBA.



Exhibit A: Trina TCLP Report

Test Report

REPORT No.: SHE21-01442/1 DATE RECEIVED: 2021/02/24

ATTENTION: Ya XIAO ANALYSIS DATE: 2021/02/24~2021/03/10

SAMPLE (S):

CUSTOMER: Trina Solar Co., Ltd. DATE REPORTED: 2021/03/10

No.2 TianHe Road, Trina PV Industrial Park, New District,

Changzhou City, Jiangsu Province

213031

REFERENCE: -

REMARKS

1. The results apply to the sample(s) as received

2. The report is translated from SHE21-01442.

Edited by:

Min ZHOU

Solid waste (1)

Reviewed by:

Jun MENG

Approved by

Honglou WANG

Page 1 of 8



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Attention: To check the suthernicity of testing fungection report & certificate, please centage the proper see retained to a suppose; see the content of the content of



Statement

- 1. The test report is invalid without the official seal of the laboratory.
- 2. This test report cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.
- 3. The test report is invalid without the signature of the compiler, the checker and the approver
- 4. The test report is invalid if altered.
- 5. The test report has been drafted in Chinese and translated into English (if applicable) for convenience only. In the event of discrepancy, the Chinese version shall prevail.
- 6. Should you have any queries or objection to the test report, please contact us within 10 days after receiving the report.

Legend

NA The sample was not analysed for this analyte

- ↑ Detection limit raised
- ↓ Detection limit lowered

ND Not Detected

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INORGANIC & ORGA	ANIC ANALYSIS		Lab ID		SHE21-01442.001
Report No.: SHE21-01442/1		С	ustomer ID		TSM-530DEG19C.20
Customer Reference: -			Order No	Limit	SHES2102003321TX
			Serial No		A08210100400137
		Dat	e Received		2021/02/24
TCLP ITEM	METHOD	MDL	UNIT		Solid waste
Arsenic (As)	USEPA 200.8-1994	0.050	mg/L	≤5	<0.050
Barium (Ba)	USEPA 200.8-1994	0.010	mg/L	≤100	0.195
Cadmium (Cd)	USEPA 200.8-1994	0.001	mg/L	≤1	<0.001
Chromium (Cr)	USEPA 200.8-1994	0.010	mg/L	≤5	<0.010
Lead (Pb)	USEPA 200.8-1994	0.010	mg/L	≤5	<0.010
Selenium (Se)	USEPA 200.8-1994	0.050	mg/L	≤1	<0.050
Silver (Ag)	USEPA 200.8-1994	0.010	mg/L	≤5	<0.010
Mercury (Hg)	USEPA 7473-2007	0.005	mg/L	≤0.2	<0.005
2,4-D	USEPA 8151A-1996	0.0005	mg/L	≤10	<0.0005
2,4,5-TP (Silvex, Fenopop)	USEPA 8151A-1996	0.0005	mg/L	≤1	<0.0005
Benzene	USEPA 8260D-2018	0.0005	mg/L	≤0.5	<0.0005
Carbon tetrachloride	USEPA 8260D-2018	0.0005	mg/L	≤0.5	<0.0005
Chlorobenzene	USEPA 8260D-2018	0.0005	mg/L	≤100	<0.0005
Chloroform	USEPA 8260D-2018	0.0005	mg/L	≤6	<0.0005
1,4-Dichlorobenzene	USEPA 8260D-2018	0.0005	mg/L	≤7.5	<0.0005
1,2-Dichloroethane	USEPA 8260D-2018	0.0005	mg/L	≤0.5	<0.0005
1,1-Dichloroethene	USEPA 8260D-2018	0.0005	mg/L	≤0.7	<0.0005
2-butanone(MEK)	USEPA 8260D-2018	0.020	mg/L	≤200	<0.020
Tetrachloroethene	USEPA 8260D-2018	0.0005	mg/L	≤0.7	<0.0005
Trichloroethene	USEPA 8260D-2018	0.0005	mg/L	≤0.5	<0.0005
Vinyl chloride	USEPA 8260D-2018	0.0005	mg/L	≤0.2	<0.0005
2,4-Dinitrotoluene	USEPA 8270E-2018	0.0005	mg/L	≤0.13	<0.0005
Hexachlorobenzene	USEPA 8270E-2018	0.0005	mg/L	≤0.13	<0.0005
Hexachlorobutadiene	USEPA 8270E-2018	0.0005	mg/L	≤0.5	<0.0005

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e sgs.china@sgs.com



INORGANIC & ORGA	ANIC ANALYSIS		Lab ID		SHE21-01442.001
Report No.: SHE21-01442/1		С	sustomer ID		TSM-530DEG19C.20
Customer Reference: -			Order No	Limit	SHES2102003321TX
			Serial No		A08210100400137
		Dat	e Received		2021/02/24
TCLP ITEM	METHOD	MDL	UNIT		Solid waste
Hexachloroethane	USEPA 8270E-2018	0.0005	mg/L	≪3	<0.0005
Nitrobenzene	USEPA 8270E-2018	0.0005	mg/L	≤2	<0.0005
Pentachlorophenol	USEPA 8270E-2018	0.0025	mg/L	≤100	<0.0025
Pyridine	USEPA 8270E-2018	0.002	mg/L	≤5.0	<0.002
2,4,5-Trichlorophenol	USEPA 8270E-2018	0.0005	mg/L	≤400	<0.0005
2,4,6-Trichlorophenol	USEPA 8270E-2018	0.0005	mg/L	≤2	<0.0005
Methylphenol	USEPA 8270E-2018	0.001	mg/L	≤200	<0.001
2-Methylphenol	USEPA 8270E-2018	0.0005	mg/L	≤200	<0.0005
3&4-Methylphenol	USEPA 8270E-2018	0.0005	mg/L	≤200	<0.0005
Endrin	USEPA 8270E-2018	0.0005	mg/L	≤0.02	<0.0005
ү-ВНС	USEPA 8270E-2018	0.0005	mg/L	≤0.4	<0.0005
Toxaphene	USEPA 8270E-2018	0.050	mg/L	≤0.5	<0.050
Methoxychlor	USEPA 8270E-2018	0.0005	mg/L	≤10	<0.0005
Heptachlor	USEPA 8270E-2018	0.0005	mg/L	≤0.008	<0.0005
Chlordane(Total)	USEPA 8270E-2018	0.001	mg/L	≤0.03	<0.001

Remark:

- 1.Preparative method:USEPA1311-1992(Toxicity Characteristic Leaching Procedure)
- 2. The Limits comes from CFR(code of federal regulations) title 40 part 261.24.

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Method List

USEPA 200.8-1994 Metals ICP-MS USEPA 7473-2007 Metals-Hg USEPA 8151A-1996 Acid Herbicides in Water by GC-MS USEPA 8260D-2018 VOCs USEPA 8270E-2018 SVOCs

Equipment Information

Method:USEPA 200.8-1994

Equipment Name	Model	Equipment Number Serial Number
ICP-MS	Agilent 7900	CHEM-998 JP16311502

Method: USEPA 7473-2007

Equipment Name	Model	Equipment Nur	mber Serial Number
Hg analyzer	Milestone DMA-80	CHEM-958	16041979

Method: USEPA 8151A-1996

Equipment Name	Model	Equipment Numb	er Serial Number
GC-MS	Agilent 7890A/5975C	CHEM-ENV085	CN12371032/US12362A17

Method:USEPA 8260D-2018

Equipment Name	Model	Equipment Numbe	r Serial Number
PT-GC-MS	AQUATek100&Agilent7890B/59 75A	CHEM-937	US15240014/CN15423234/US1541L 452

Method:USEPA 8270E-2018

Equipment Name	Model	Equipment Nu	ımber Serial Number
GC-MS	Agilent 7890B/5977B	CHEM-1175	CN18293008/US1824R018

Method:USEPA 8270E-2018

Equipment Name	Model	Equipment Numb	er Serial Number
GC-MS	Agilent 7890B/5977B	CHEM-1175	CN18293008/US1824R018

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APPENDIX 1

Report No.:SHE21-01442/1 Customer Reference: -



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APPENDIX 2

Report No.:SHE21-01442/1 Customer Reference: -



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APPENDIX 3

Report No.:SHE21-01442/1
Customer Reference: -



End of report

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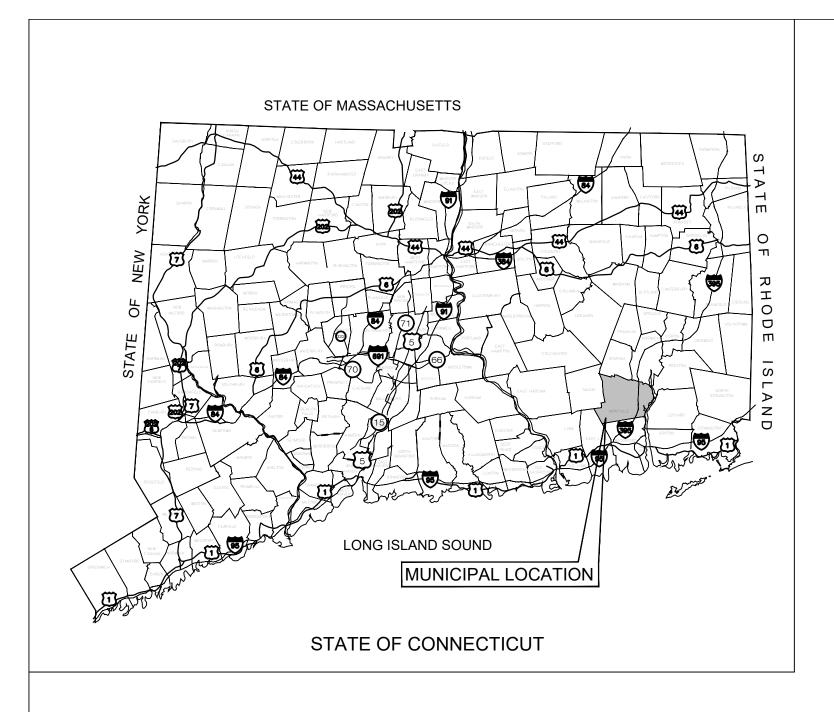


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Exhibit B: Revised Site Maps



TRITEC AMERICAS

"N SILVER BROOK SOLAR"

486 FITCH HILL ROAD UNCASVILLE, CT 06382

LIST OF DRAWINGS

T-1 TITLE SHEET & INDEX

VT101 TO VT104 EXISTING CONDITIONS PLANS PROVIDED BY LANGAN

GN-1 GENERAL NOTES

GN-2 ENVIRONMENTAL NOTES & RESOURCE PROTECTION MEASURES

OP-1 OVERALL LOCUS MAP

OP-2 PARTIAL SITE PLAN

EC-1 SEDIMENTATION & EROSION CONTROL NOTES

EC-2 SEDIMENTATION & EROSION CONTROL DETAILS

EC-3 TO EC-6 PHASE 1 SEDIMENTATION & EROSION CONTROL PLAN

EC-7 TO EC-10 PHASE 2 SEDIMENTATION & EROSION CONTROL PLAN

GD-1 TO GD-4 FINAL GRADING & DRAINAGE PLAN

SP-1 TO SP-4 SITE & UTILITY PLAN

DN-1 SITE DETAILS

DN-2 SITE DETAILS

EX-1 SLOPE ANALYSIS

SITE INFORMATION

SITE NAME: "N SILVER BROOK SOLAR"

LOCATION: 486 FITCH HILL ROAD UNCASVILLE, CT 06382

,

SITE TYPE/DESCRIPTION: ADD (1) GROUND MOUNTED SOLAR PANEL

ARRAY W/ ASSOCIATED EQUIPMENT, GRAVEL ACCESS ROAD, AND STORMWATER

MANAGEMENT.

PROPERTY OWNER: N SILVER BROOK HOLDINGS, LLC

511 FITCH HILL ROAD UNCASVILLE, CT 06382

APPLICANT: TRITEC AMERICAS 888 PROPECT STREET

LA JOLLA, CA 92037

ENGINEER CONTACT: KEVIN A. MCCAFFERY, P.E.

(860) 581-4477

LATITUDE: 41°28'38.57" N LONGITUDE: 72°07'50.54" W ELEVATION: 270'± AMSL

MBLU: 047-051-000

ZONE: "R-80"

EXISTING LAND USE: SINGLE FAMILY RESIDENTIAL & AGRICULTURAL PROPOSED LAND USE: COMMUNICATIONS, TRANSPORTATION AND

PUBLIC UTILITY USES

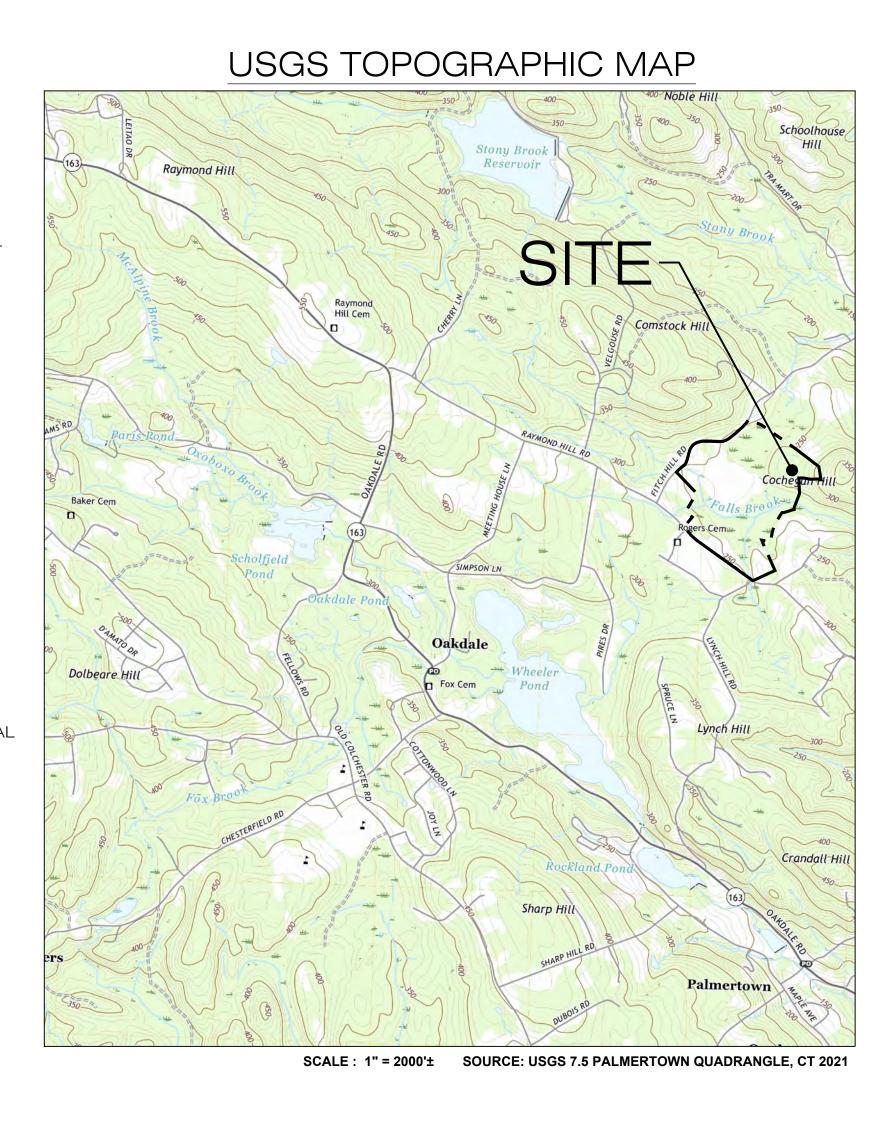
- LARGE SCALE GROUND MOUNTED SOLAR

PHOTOVOLTAIC INSTALLATIONS

TOTAL SITE ACREAGE: 128.67± AC.
TOTAL DISTURBED AREA: 15.30± AC.

APPROX. VOLUME OF CUT: 8,100± CY APPROX. VOLUME OF FILL: 900± CY

APPROX. NET VOLUME: 7,200± CY OF CUT



TRITEC

AMERICAS

888 PROSPECT STREET

LA JOLLA, CA 92037

OFFICE: (619) 363-3080



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

l	CSC PERMIT SET				
l	NO	DATE	REVISION		
l	0	01/10/22	SITING COUNCIL SUBMISSION		
l	1	04/12/22	COUNCIL INTERROGATORIES		
l	2	05/31/22	COUNCIL INT. #2, LAYOUT		
l	3				
	4				
	5				
l	6				

DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, PE COMP: ALL-POINTS TECHNOLOGY CORPORATION ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385

OWNER: N SILVER BROOK
HOLDINGS LLC
ADDRESS: 511 FITCH HILL ROAD
UNCASVILLE, CT 06382

N SILVER BROOK SOLAR

SITE 486 FITCH HILL ROAD

APT FILING NUMBER: CT657140

DRAWN BY: CH

DATE: 12/14/21 CHECKED BY: KAM

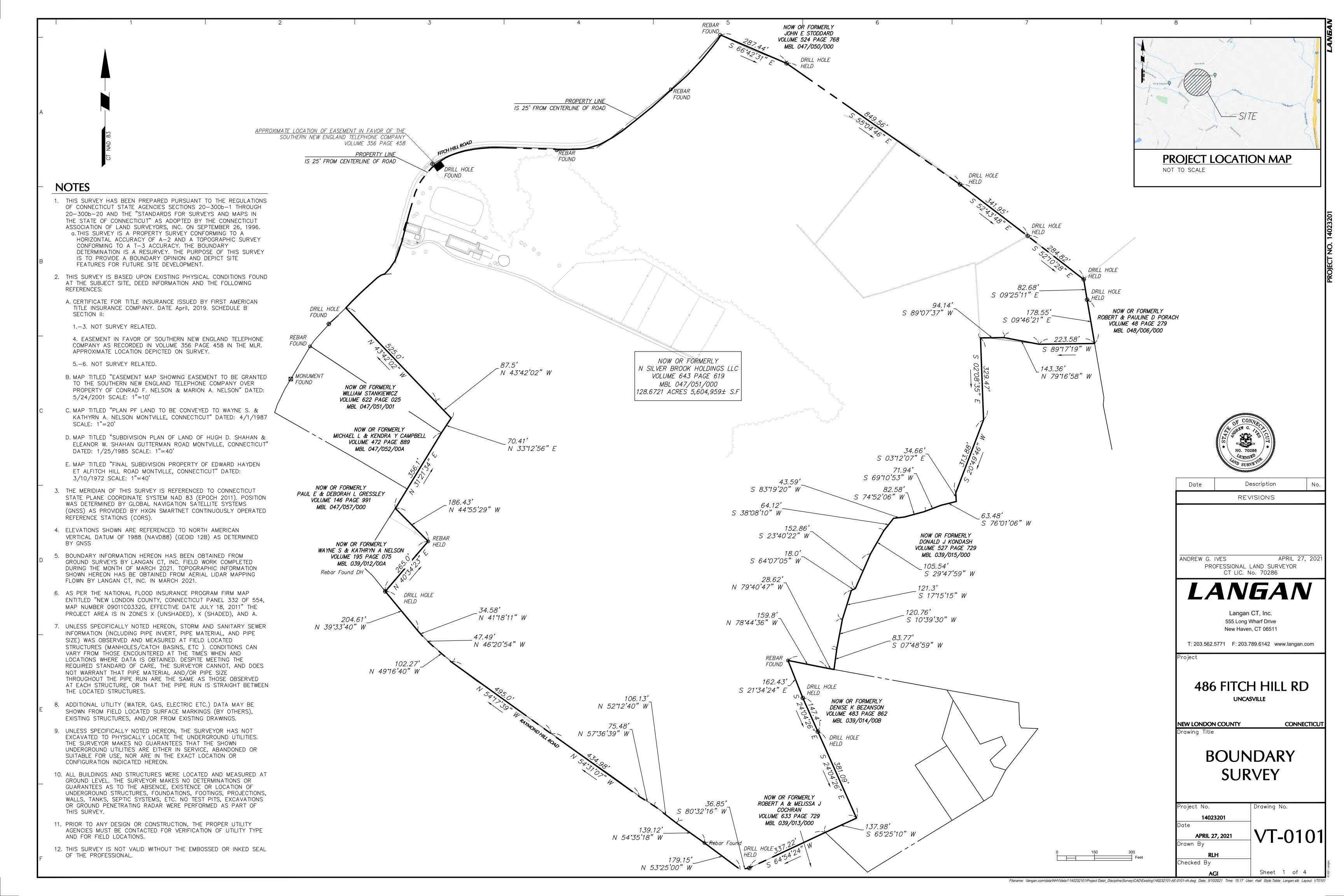
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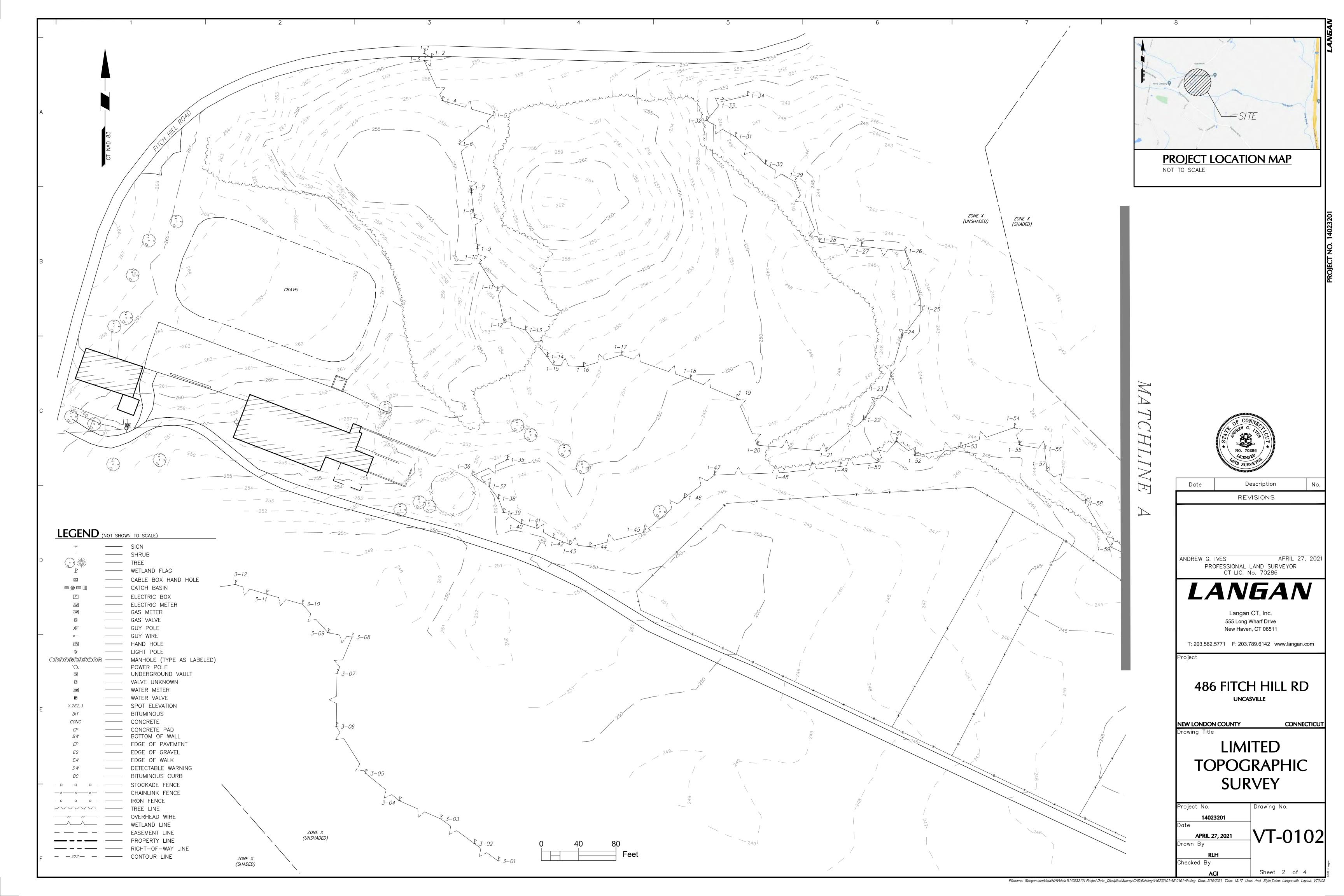
TITLE SHEET & INDEX

SHEET NUMBER:

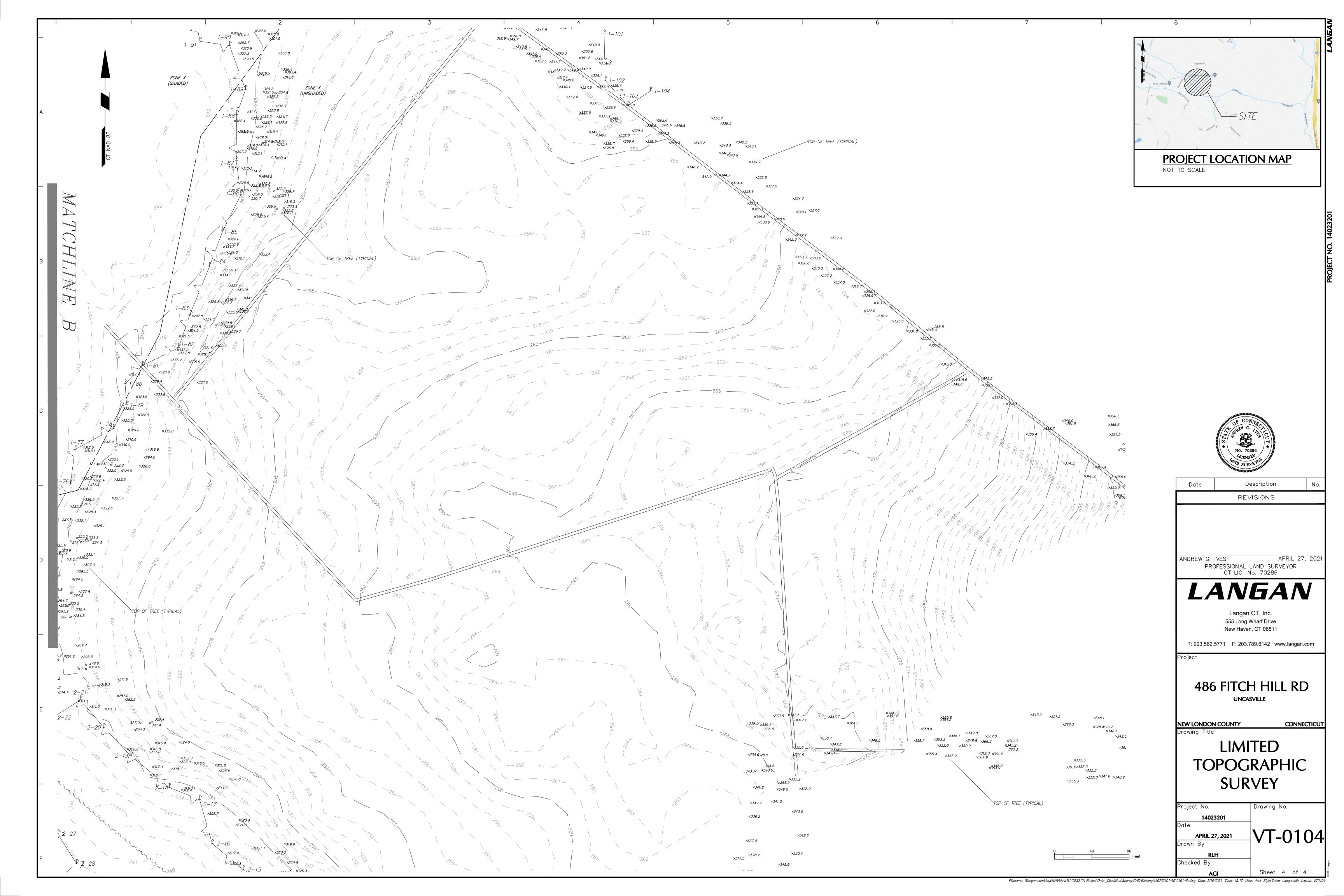
T-1











GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH PROJECT DEVELOPER STANDARDS, TOWN OF MONTVILLE 1. THE SURVEY WAS PROVIDED BY LANGAN, DATED APRIL 27, 2021. STANDARDS, CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS IN THE ABOVE REFERENCED INCREASING HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
- IF NO PROJECT CONSTRUCTION SPECIFICATION PACKAGE IS PROVIDED BY THE PROJECT DEVELOPER OR THEIR REPRESENTATIVE, THE CONTRACTOR SHALL COMPLY WITH THE MANUFACTURER, TOWN OF 3. MONTVILLE, OR CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. AND BE IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
- THE PROJECT DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING AND STORMWATER PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL MONTVILLE CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- REFER TO PLANS, DETAILS AND REPORTS PREPARED BY ALL-POINTS TECHNOLOGY CORPORATION FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE PROJECT DEVELOPER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN 5 BE MADE PRIOR TO BIDDING/CONSTRUCTION. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONFIRMED WITH THE PROJECT DEVELOPER'S CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS PER PLANS AND SPECIFICATIONS TO THE PROJECT DEVELOPER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE, ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- SHOULD ANY UNKNOWN OR INCORRECTLY LOCATED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE PROJECT DEVELOPER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE PROJECT DEVELOPER OR OTHERS DURING OCCUPIED HOURS, EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE PROJECT DEVELOPER AND THE LOCAL MUNICIPALITY. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
- THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
- IO. THE CONTRACTOR SHALL COMPLY WITH OSHA CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
- . THE ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ENGINEER HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OF PERSONNEL OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY
- . THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, CONDUIT, PAVEMENT CURBING, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE PROJECT DEVELOPER OR THE TOWN OF MONTVILLE
- I 3. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE PROJECT DEVELOPER AT THE END OF CONSTRUCTION.
- . ALTERNATIVE METHODS AND PRODUCTS. OTHER THAN THOSE SPECIFIED. MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING/CONSTRUCTION PROCESS.
- 5. 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.
- 6. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.

SITE PLAN NOTES

- 2. THERE ARE BVWS LOCATED ON THE SITE AS INDICATED ON THE PLANS. BVW BOUNDARIES WERE FLAGGED AND LOCATED BY ALL-POINTS TECHNOLOGY CORPORATION, IN MARCH 2021.
- 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 OF CONSTRUCTION. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- 4. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR BVWS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS, IN ADDITION, THE CONTRACTOR SHALL ADHERE TO "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY GOVERNMENT AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
- ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK, SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
- 6. ALL DISTURBANCE INCURRED TO PUBLIC, MUNICIPAL, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF MONTVILLE AND STATE OF CONNECTICUT
- IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR. THE CONTRACTOR. SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPER'S ENVIRONMENTAL CONSULTANT.

UTILITY NOTES

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN OF MONTVILLE 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 CONTRACTOR'S INFORMATION AND SHALL BE VERIFIED WITH THE ELECTRICAL ENGINEER AND THE PROJECT DEVELOPER'S CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE PROP. SANITARY SEWERS AND WHERE PROP. STORM PIPING WILL CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE PROJECT DEVELOPER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED SANITARY SEWERS, STORM PIPING AND UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
- 5. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
- 6. THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY PROVIDERS AND GOVERNING AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER
- 7. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.
- 8. ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED. THE CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE TOWN OF MONTVILLE
- 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 PROP. 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 THE TOWN OF MONTVILLE.
- 16. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY, AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE INCLUDING SERVICES. CONTACT "CALL BEFORE YOU DIG" AT 811 72 HOURS PRIOR TO CONSTRUCTION AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY AND STORM DRAINAGE LOCATIONS. THE CONTRACTOR SHALL EMPLOY THE USE OF A UTILITY LOCATING COMPANY TO PROVIDE SUBSURFACE UTILITY ENGINEERING CONSISTING OF DESIGNATING UTILITIES AND STORM PIPING ON PRIVATE PROPERTY WITHIN THE CONTRACT LIMIT AND CONSISTING OF DESIGNATING AND LOCATING WHERE PROP. UTILITIES AND STORM PIPING CROSS EXISTING UTILITIES AND STORM PIPING WITHIN THE CONTRACT LIMITS.
- 17. THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. THE CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR PAVEMENTS AS NECESSARY.
- 18. ELECTRIC DRAWINGS AND REQUIREMENTS ARE NOT INCLUDED AS PART OF THIS DRAWING SET AND SHOULD BE OBTAINED FROM THE PROJECT DEVELOPER.
- 19. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
- 20. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE PROJECT DEVELOPER. TOWN OF MONTVILLE, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.

GENERAL LEGEND

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	PROPERTY LINE		
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	SOLAR SETBACK	_ ·	
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	TREE LINE		
	WETLAND		
	WETLAND BUFFER		
	VERNAL POOL		
	VERNAL POOL BUFFER		
3	WATERCOURSE		
	WATERCOURSE BUFFER		
	MAJOR CONTOUR		
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567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385 PHONE: (860)-663-169 WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

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DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, PE **COMP: ALL-POINTS TECHNOLOGY** CORPORATION **ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311** WATERFORD, CT 06385

OWNER: N SILVER BROOK HOLDINGS LLC ADDRESS: 511 FITCH HILL ROAD **UNCASVILLE, CT 06382**

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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:



ENVIRONMENTAL NOTES RESOURCE PROTECTION MEASURES

WETLAND, VERNAL POOL & WETLAND CROSSING PROTECTION PROGRAM

AS A RESULT OF THE FACILITY'S UTILITY INTERCONNECTION AND ACCESS ROAD WETLAND CROSSINGS, AND ITS LOCATION IN THE VICINITY OF SENSITIVE WETLAND RESOURCES AND VERNAL POOL HABITAT, THE FOLLOWING PROTECTION PROGRAM SHALL BE IMPLEMENTED BY THE CONTRACTOR TO AVOID UNINTENTIONAL IMPACTS TO PROXIMATE WETLAND RESOURCES OR MORTALITY TO VERNAL POOL HERPETOFAUNA (I.E., WOOD FROG, SALAMANDERS, TURTLES, ETC.) DURING CONSTRUCTION ACTIVITIES. THE VERNAL POOL SPECIFIC PROTECTION MEASURES SHALL BE IMPLEMENTED SHOULD CONSTRUCTION ACTIVITIES OCCUR DURING PEAK AMPHIBIAN MOVEMENT PERIODS (EARLY SPRING BREEDING [MARCH 1ST TO MAY 15THI AND LATE SUMMER DISPERSAL [JULY 15TH TO SEPTEMBER 15TH]). PROTECTION MEASURES ASSOCIATED WITH WETLANDS SHALL BE IMPLEMENTED REGARDLESS OF THE TIME OF YEAR.

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. 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 PROJECT'S PROXIMITY TO SENSITIVE WETLAND RESOURCES AND ASSOCIATED VERNAL POOL HERPETOFAUNA PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONTACT DEAN GUSTAFSON, SENIOR WETLAND SCIENTIST AT APT, AT LEAST. 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.

THE PROPOSED WETLAND AND VERNAL POOL 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; WETLAND CROSSING AND CULVERT INSTALLATION; HERBICIDE AND PESTICIDE RESTRICTIONS; AND, REPORTING.

1. CONTRACTOR EDUCATION:

- a. PRIOR TO WORK ON SITE AND INITIAL DEPLOYMENT/MOBILIZATION OF EQUIPMENT AND MATERIALS, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORIENTATION AND EDUCATIONAL SESSION WILL CONSIST OF INFORMATION SUCH AS, BUT NOT LIMITED TO: IDENTIFICATION OF WETLAND RESOURCES PROXIMATE TO WORK AREAS, REPRESENTATIVE PHOTOGRAPHS OF TYPICAL HERPETOFAUNA THAT MAY BE ENCOUNTERED, CONNECTICUT AND FEDERAL LISTING STATUS OF SPECIES THAT COULD BE ENCOUNTERED. TYPICAL SPECIES BEHAVIOR. AND PROPER PROCEDURES IF SPECIES ARE ENCOUNTERED. THE MEETING WILL FURTHER EMPHASIZE THE NON-AGGRESSIVE NATURE OF THESE SPECIES, THE ABSENCE OF NEED TO DESTROY SUCH ANIMALS AND THE NEED TO FOLLOW PROTECTIVE MEASURES AS DESCRIBED IN FOLLOWING SECTIONS. THE CONTRACTOR WILL DESIGNATE ONE OF ITS WORKERS AS THE "PROJECT MONITOR", WHO WILL RECEIVE MORE INTENSE TRAINING ON THE IDENTIFICATION AND PROTECTION OF HERPETOFAUNA.
- b. THE CONTRACTOR WILL DESIGNATE A MEMBER OF ITS CREW AS THE PROJECT MONITOR TO BE RESPONSIBLE FOR THE PERIODIC "SWEEPS" FOR 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 HERPETOFAUNA IN ORDER TO PERFORM SWEEPS. ANY HERPETOFAUNA DISCOVERED WOULD BE TRANSLOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED.
- c. THE CONTRACTOR'S PROJECT MONITOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR APT PERSONNEL TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH HERPETOFAUNA. EDUCATIONAL POSTER MATERIALS WILL BE PROVIDED BY APT AND DISPLAYED ON THE JOB SITE TO MAINTAIN WORKER AWARENESS AS THE PROJECT PROGRESSES.
- d. 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 ANIMAI S

2. EROSION AND SEDIMENTATION CONTROLS

- a, PLASTIC NETTING USED IN A VARIETY OF EROSION CONTROL PRODUCTS (I.E., EROSION TO ENTANGLE WILDLIFE, INCLUDING REPTILES, AMPHIBIANS, BIRDS AND SMALL MAMMALS. NO PERMANENT EROSION CONTROL PRODUCTS OR REINFORCED SILT FENCE WILL BE USED ON THE PROJECT. TEMPORARY EROSION CONTROL PRODUCTS THAT WILL BE EXPOSED AT THE GROUND SURFACE AND REPRESENT A POTENTIAL FOR WILDLIFE ENTANGLEMENT WILL USE EITHER EROSION CONTROL BLANKETS AND FIBER ROLLS COMPOSED OF PROCESSED FIBERS MECHANICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX (NETLESS) OR NETTING COMPOSED OF PLANAR WOVEN NATURAL BIODEGRADABLE FIBER TO AVOID/MINIMIZE WILDLIFE ENTANGLEMENT.
- b. THE EXTENT OF 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
- c. INSTALLATION OF EROSION AND SEDIMENTATION CONTROLS, REQUIRED FOR EROSION CONTROL COMPLIANCE AND CREATION OF A BARRIER TOO POSSIBLE MIGRATING/DISPERSING HERPETOFAUNA (ONLY APPLICABLE DURING THE SEASONAL RESTRICTION PERIOD AND WILL BE INSTALLED AT THE DISCRETION OF THE ENVIRONMENTAL MONITOR), SHALL BE PERFORMED BY THE CONTRACTOR IF ANY SOIL DISTURBANCE OCCURS OR HEAVY MACHINERY IS ANTICIPATED TO BE USED ON SLOPES. THE ENVIRONMENTAL MONITOR WILL INSPECT THE WORK ZONE AREA PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION. IN ADDITION, WORK ZONES IN PROXIMITY TO VERNAL POOL RESOURCES WILL BE INSPECTED PRIOR TO AND FOLLOWING EROSION CONTROL BARRIER INSTALLATION TO ENSURE THE AREA IS FREE OF HERPETOFAUNA AND SATISFACTORILY INSTALLED. THE INTENT OF THE BARRIER IS TO SEGREGATE THE MAJORITY OF THE WORK ZONE FROM MIGRATING/DISPERSING HERPETOFAUNA. OFTENTIMES COMPLETE ISOLATION OF A WORK ZONE IS NOT FEASIBLE DUE TO ACCESSIBILITY NEEDS AND LOCATIONS OF STAGING/MATERIAL STORAGE AREAS, ETC. IN THOSE CIRCUMSTANCES, THE BARRIERS WILL BE POSITIONED TO DEFLECT MIGRATING/DISPERSAL ROUTES AWAY FROM THE WORK ZONE TO MINIMIZE POTENTIAL ENCOUNTERS WITH HERPETOFAUNA AT THE DISCRETION OF THE ENVIRONMENTAL MONITOR.
- d. NO EQUIPMENT, VEHICLES, CONSTRUCTION MATERIALS, OR STAGING AREAS SHALL BE STORED/LOCATED WITHIN 100 FEET OF WETLAND RESOURCES.
- e. THE CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTIONS OF THE SEDIMENTATION AND EROSION CONTROLS, INCLUDING BUT NOT LIMITED TO FOR TEARS OR BREECHES 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 ENVIRONMENTAL MONITOR WITHIN 24 HOURS OF ANY BREECHES OF THE SEDIMENTATION AND EROSION CONTROLS AND ANY SEDIMENT RELEASES BEYOND THE PERIMETER CONTROLS THAT IMPACT WETLANDS, WATERCOURSES OR WITHIN 100 FEET OF WETLANDS AND WATERCOURSES. THE ENVIRONMENTAL MONITOR WILL PROVIDE PERIODIC INSPECTIONS OF THE SEDIMENTATION AND EROSION CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES ONLY AS IT PERTAINS TO PROTECTION OF NEARBY WETLANDS, WHICH WILL GENERALLY OCCUR ON A MONTHLY BASIS. IF APT 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. ALL SILT FENCING OR OTHER POTENTIAL BARRIERS TO SAFE HERPETOFAUNA MIGRATION SHALL BE REMOVED WITHIN 30 DAYS OF COMPLETION OF WORK AND PERMANENT STABILIZATION OF SITE SOILS SO THAT REPTILE AND AMPHIBIAN MOVEMENT BETWEEN UPLANDS AND WETLANDS IS NOT RESTRICTED. 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 MIGRATING WILDLIFE. SEED FROM SEEDING OF SOILS SHOULD NOT SPREAD OVER FIBER ROLLS/WATTLES AS IT MAKES THEM HARDER TO REMOVE ONCE SOILS ARE STABILIZED BY VEGETATION.

3. PETROLEUM MATERIALS STORAGE AND SPILL PREVENTION

- a. CERTAIN PRECAUTIONS ARE NECESSARY TO STORE PETROLEUM MATERIALS, REFUEL AND CONTAIN AND PROPERLY CLEAN UP ANY INADVERTENT FUEL OR PETROLEUM (I.E., OIL, HYDRAULIC FLUID, ETC.) SPILL DUE TO THE PROJECT'S LOCATION IN PROXIMITY TO WETLAND
- b. A SPILL CONTAINMENT KIT CONSISTING OF A SUFFICIENT SUPPLY OF ABSORBENT PADS AND ABSORBENT MATERIAL WILL BE MAINTAINED BY THE CONTRACTOR AT THE CONSTRUCTION SITE THROUGHOUT THE DURATION OF THE PROJECT. IN ADDITION, A WASTE DRUM WILL BE KEPT ON SITE TO CONTAIN ANY USED ABSORBENT PADS/MATERIAL FOR PROPER AND TIMELY DISPOSAL OFF SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
- c. THE FOLLOWING PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING RESTRICTIONS AND SPILL RESPONSE PROCEDURES WILL BE ADHERED TO BY THE
- i. PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING
- 1. REFUELING OF VEHICLES OR MACHINERY SHALL OCCUR A MINIMUM OF 100 FEET FROM WETLANDS OR WATERCOURSES 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 OR WATERCOURSES.

- ii. INITIAL SPILL RESPONSE PROCEDURES
- 1. STOP OPERATIONS AND SHUT OFF EQUIPMENT.
- 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 WATERWAYS OR WETLANDS.
 - 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 THE 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. WETLAND AND VERNAL POOL PROTECTIVE MEASURES

- a. A THOROUGH COVER SEARCH OF THE CONSTRUCTION AREA WILL BE PERFORMED BY APT'S ENVIRONMENTAL MONITOR FOR HERPETOFAUNA PRIOR TO AND FOLLOWING INSTALLATION OF THE SILT FENCING BARRIER TO REMOVE ANY SPECIES FROM THE WORK ZONE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. ANY HERPETOFAUNA DISCOVERED WOULD BE TRANSLOCATED OUTSIDE THE WORK ZONE IN THE GENERAL DIRECTION THE ANIMAL WAS ORIENTED. PERIODIC INSPECTIONS WILL BE PERFORMED BY APT'S ENVIRONMENTAL MONITOR THROUGHOUT THE DURATION OF THE CONSTRUCTION.
- b. ANY STORMWATER MANAGEMENT FEATURES. RUTS OR ARTIFICIAL DEPRESSIONS THAT COULD HOLD WATER CREATED INTENTIONALLY OR UNINTENTIONALLY BY SITE CLEARING/CONSTRUCTION ACTIVITIES WILL BE PROPERLY FILLED IN AND PERMANENTLY STABILIZED WITH VEGETATION TO AVOID THE CREATION OF VERNAL POOL "DECOY POOLS" THAT COULD INTERCEPT AMPHIBIANS MOVING TOWARD THE VERNAL POOLS. STORMWATER MANAGEMENT FEATURES SUCH AS LEVEL SPREADERS WILL BE CAREFULLY REVIEWED IN THE FIELD TO ENSURE THAT STANDING WATER DOES NOT ENDURE FOR MORE THAN A 24-HOUR PERIOD TO AVOID CREATION OF DECOY POOLS AND MAY BE SUBJECT TO FIELD DESIGN CHANGES. ANY SUCH PROPOSED DESIGN CHANGES WILL BE REVIEWED BY THE DESIGN ENGINEER TO ENSURE STORMWATER MANAGEMENT FUNCTIONS ARE MAINTAINED.
- c. EROSION CONTROL MEASURES WILL BE REMOVED NO LATER THAN 30 DAYS FOLLOWING FINAL SITE STABILIZATION SO AS NOT TO IMPEDE MIGRATION OF HERPETOFAUNA OR OTHER

5. WETLAND CROSSING, CULVERT INSTALLATION & RESTORATION

- a. THE CONTRACTOR SHALL CONTACT APT A MINIMUM OF 72 HOURS PRIOR TO ANY WORK ASSOCIATED WITH THE ELECTRICAL INTERCONNECT WETLAND CROSSINGS AND CONSTRUCTION OF THE PROPOSED ACCESS ROAD WETLAND CROSSING (LOCATED AT AN EXISTING CROSSING) IN ORDER TO MONITOR THESE WORK ACTIVITIES WITH A PARTICULAR FOCUS ON THE INSTALLATION OF CULVERTS AT THE PROPOSED ACCESS ROAD WETLAND
- b. INSTALLATION OF THE CULVERTS INVERT ELEVATIONS SHALL CONFORM TO THE PROJECT SITE PLANS AND ASSOCIATED DETAILS ALLOWING FOR SLIGHT FIELD ADJUSTMENTS BASED ON EXISTING ELEVATIONS WITHIN THE WETLAND SYSTEM TO ENSURE THAT THE CROSSING AND CULVERTS WILL NOT IMPEDED OR ADVERSELY IMPACT CONVEYANCE OF EXISTING SURFACE FLOWS THROUGH THE WETLAND SYSTEM.

c. ANY EXPOSED/DISTURBED WETLAND SOILS RESULTING FROM THE PROPOSED ACCESS ROAD WETLAND CROSSING SHALL BE SEEDED WITH A NEW ENGLAND WET SEED MIX (NEW ENGLAND WETLAND PLANTS, INC., OR APPROVED EQUIVALENT) AT THE MANUFACTURERS RECOMMENDED SEED RATE. SIDE SLOPES AT THE WETLAND CROSSING SHALL BE SEEDED WITH ERNMX 610 (SEE SHEET DN-2) AT THE MANUFACTURERS RECOMMENDED SEED RATE. MULCH SEEDED AREAS WITH NON-WOVEN NATURAL FIBER EROSION CONTROL BLANKET OR 2 TO 3 INCHES OF CLEAN STRAW MULCH, AS APPROPRIATE.

New England Wetmix (Wetland Seed Mix)

Botanical Name	Common Name	Indicator
Carex vulpinoidea	Fox Sedge	OBL
Carex scoparia	Blunt Broom Sedge	FACW
Carex lurida	Lurid Sedge	OBL
Carex lupulina	Hop Sedge	OBL
Poa palustris	Fowl Bluegrass	FACW
Bidens frondosa	Beggar Ticks	FACW
Scirpus atrovirens	Green Bulrush	OBL
Asclepias incarnata	Swamp Milkweed	OBL
Carex crinita	Fringed Sedge	OBL
Vernonia noveboracensis	New York Ironweed	FACW+
Juncus effusus	Soft Rush	FACW+
Aster lateriflorus (Symphyotrichum lateriflorum)	Starved/Calico Aster	FACW
Iris versicolor	Blue Flag	OBL
Glyceria grandis	American Mannagrass	OBL
Mimulus ringens	Square Stemmed Monkey Flower	OBL
Eupatorium maculatum (Eutrochium maculatum)	Spotted Joe Pye Weed	OBL

6. HERBICIDE AND PESTICIDE RESTRICTIONS

a. THE USE OF HERBICIDES AND PESTICIDES AT THE FACILITY SHALL BE AVOIDED WHEN POSSIBLE. IN THE EVENT 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 MINIMIZE APPLICATIONS WITHIN 100 FEET OF WETLAND OR WATERCOURSE RESOURCES. NO APPLICATIONS OF HERBICIDES OR PESTICIDES ARE ALLOWED WITHIN ACTUAL WETLAND OR WATERCOURSE RESOURCES.

7. INVASIVE SPECIES CONTROL PLAN

THE SETTING FOR THE PROPOSED FACILITY CONSISTS PRIMARILY OF A MATURE FOREST THAT IS DOMINATED BY NATIVE TREES, SHRUBS AND FORBS WITH MINIMAL INVASIVE PLANT SPECIES. HOWEVER, THE ADJACENT AGRICULTURAL FIELDS DUE CONTAIN INVASIVE PLANTS, PARTICULARLY WOODY INVASIVE SHRUBS SUCH AS MULTIFLORA ROSE AND JAPANESE BARBERRY. AS SUCH, CERTAIN PRECAUTIONS ARE RECOMMENDED DURING CONSTRUCTION IN ORDER TO AVOID/MINIMIZE THE IMPORTATION OF INVASIVE PLANT SEEDS/MATERIAL THAT COULD COLONIZE THE INTERIOR OF THIS FOREST COMMUNITY AND DIMINISH ITS WILDLIFE HABITAT VALUE. PROPOSED SOIL DISTURBANCES DURING CONSTRUCTION PROVIDE AN OPPORTUNITY FOR INVASIVE PLANTS TO GAIN A FOOTHOLD AND SPREAD INTO THE SURROUNDING FORESTED HABITAT. THIS CAN OCCUR THROUGH THE IMPORTATION OF SOIL THAT CONTAINS INVASIVE PLANT SEED STOCK OR CARRIED BY CONSTRUCTION EQUIPMENT THAT HAS PICKED UP SOIL WITH INVASIVE SEED STOCK. THE INVASIVE SPECIES PLAN INCLUDES THE FOLLOWING:

- a. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING TO REVIEW THE REQUIREMENTS OF THE INVASIVE SPECIES CONTROL PLAN PRIOR TO MOBILIZATION OF EQUIPMENT, VEHICLES, MATERIALS, ETC. ONTO THE PROPERTY.
- b. PRIOR TO ENTRY ONTO THE PROPERTY, ALL EQUIPMENT AND VEHICLES SHALL BE PRESSURE WASHED BY THE CONTRACTOR AT ITS STORAGE YARD IN ORDER TO REMOVE ANY LOOSE SOIL THAT MAY BE CARRYING INVASIVE PLANT SEEDS.
- c. NO TOPSOIL SHALL BE IMPORTED ONTO THE PROPERTY
- d. ANY CLEAN FILL MATERIAL IMPORTED ONTO THE PROPERTY SHALL BE FREE OF WEED SEEDS.
- e. USE OF HAYBALES IS PROHIBITED ON THIS PROJECT. NATURAL EROSION CONTROL MATERIALS SHALL BE EITHER STRAW BALES OR STRAW- OR COMPOST-FILLED SOCKS/WATTLES.

f. TOPSOIL REMOVED FROM THE PROPOSED ACCESS DRIVE AND FACILITY COMPOUND SHALL BE

RETAINED AND TEMPORARILY STOCKPILED ON THE PROPERTY TO RESTORE AND

PERMANENTLY STABILIZE DISTURBED AREAS. TEMPORARILY STOCKPILED TOPSOIL SHALL BE

- IMMEDIATELY SEEDED WITH EITHER ANNUAL RYE OR WINTER RYE IF IT WILL NOT BE USED WITHIN ONE (1) WEEK. g. ALL RESTORED AREAS WILL BE INSPECTED DURING THE GROWING SEASON FOR TWO (2) YEARS FOLLOWING ESTABLISHMENT OF PERMANENT VEGETATION TO MONITOR FOR POSSIBLE COLONIZATION BY INVASIVE PLANTS SPECIES. INVASIVE PLANTS ARE THOSE LISTED
- AS NON-NATIVE INVASIVE WOODY PLANTS BY THE CONNECTICUT INVASIVE PLANT WORKING h. IF INVASIVE WOODY PLANTS ARE IDENTIFIED TO HAVE MORE THAN 10% AERIAL COVERAGE IN THE RESTORED AREAS, A CONTROL PLAN FOR REMOVAL OF THE INVASIVE WOODY PLANTS

8. REPORTING

WILL BE IMPLEMENTED.

- a. DAILY COMPLIANCE MONITORING REPORTS (BRIEF NARRATIVE AND APPLICABLE PHOTOS) DOCUMENTING EACH APT INSPECTION WILL BE SUBMITTED BY APT TO THE PERMITTEE AND ITS CONTRACTOR FOR COMPLIANCE VERIFICATION OF THESE PROTECTION MEASURES. THESE REPORTS ARE NOT TO BE USED TO DOCUMENT COMPLIANCE WITH ANY OTHER PERMIT AGENCY APPROVAL CONDITIONS (I.E., DEEP STORMWATER PERMIT MONITORING, ETC.). ANY NON-COMPLIANCE OBSERVATIONS OF EROSION CONTROL MEASURES OR EVIDENCE OF EROSION OR SEDIMENT RELEASE WILL BE IMMEDIATELY REPORTED TO THE PERMITTEE AND ITS CONTRACTOR AND INCLUDED IN THE REPORTS ALONG WITH ANY OBSERVATIONS OF VERNAL POOL HERPETOFAUNA.
- b. FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A COMPLIANCE MONITORING SUMMARY REPORT TO THE PERMITTEE DOCUMENTING IMPLEMENTATION OF THE WETLAND AND VERNAL POOL PROTECTION PROGRAM AND MONITORING OBSERVATIONS. THE PERMITTEE IS RESPONSIBLE FOR PROVIDING A COPY OF THE COMPLIANCE MONITORING SUMMARY REPORT TO THE CONNECTICUT SITING COUNCIL FOR COMPLIANCE VERIFICATION.
- c. ANY OBSERVATIONS OF RARE SPECIES WILL BE REPORTED TO CTDEEP BY APT, WITH PHOTO-DOCUMENTATION (IF POSSIBLE) AND WITH SPECIFIC INFORMATION ON THE LOCATION AND DISPOSITION OF THE ANIMAL.





567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385 PHONE: (860)-663-169 WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

	CSC PERMIT SET					
NO DATE REVISION						
0	01/10/22	SITING COUNCIL SUBMISSION				
1	04/12/22	COUNCIL INTERROGATORIES				
2	05/31/22	COUNCIL INT. #2, LAYOUT				
3						
4						
5	5					
6						

DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, PE **COMP: ALL-POINTS TECHNOLOGY** CORPORATION **ADD: 567 VAUXHAUL STREET EXTENSION - SUITE 311** WATERFORD, CT 06385

OWNER: N SILVER BROOK HOLDINGS LLC **ADDRESS: 511 FITCH HILL ROAD UNCASVILLE, CT 06382**

N SILVER BROOK SOLAR

SITE 486 FITCH HILL ROAD ADDRESS: UNCASVILLE, CT 06382

APT FILING NUMBER: CT657140

DRAWN BY: CH DATE: 12/14/21 | CHECKED BY: KAM

SHEET TITLE:

ENVIRONMENTAL NOTES RESOURCE PROTECTION **MEASURES**

SHEET NUMBER:





AMERICAS 888 PROSPECT STREET **LA JOLLA, CA 92037** OFFICE: (619) 363-3080



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

CSC PERMIT SET NO DATE REVISION 0 01/10/22 SITING COUNCIL SUBMISSION 1 04/12/22 COUNCIL INTERROGATORIES 2 05/31/22 COUNCIL INT. #2, LAYOUT

DESIGN PROFESSIONAL OF RECORD

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DRAWN BY: CH DATE: 12/14/21 | CHECKED BY: KAM

SHEET TITLE:

OVERALL LOCUS MAP

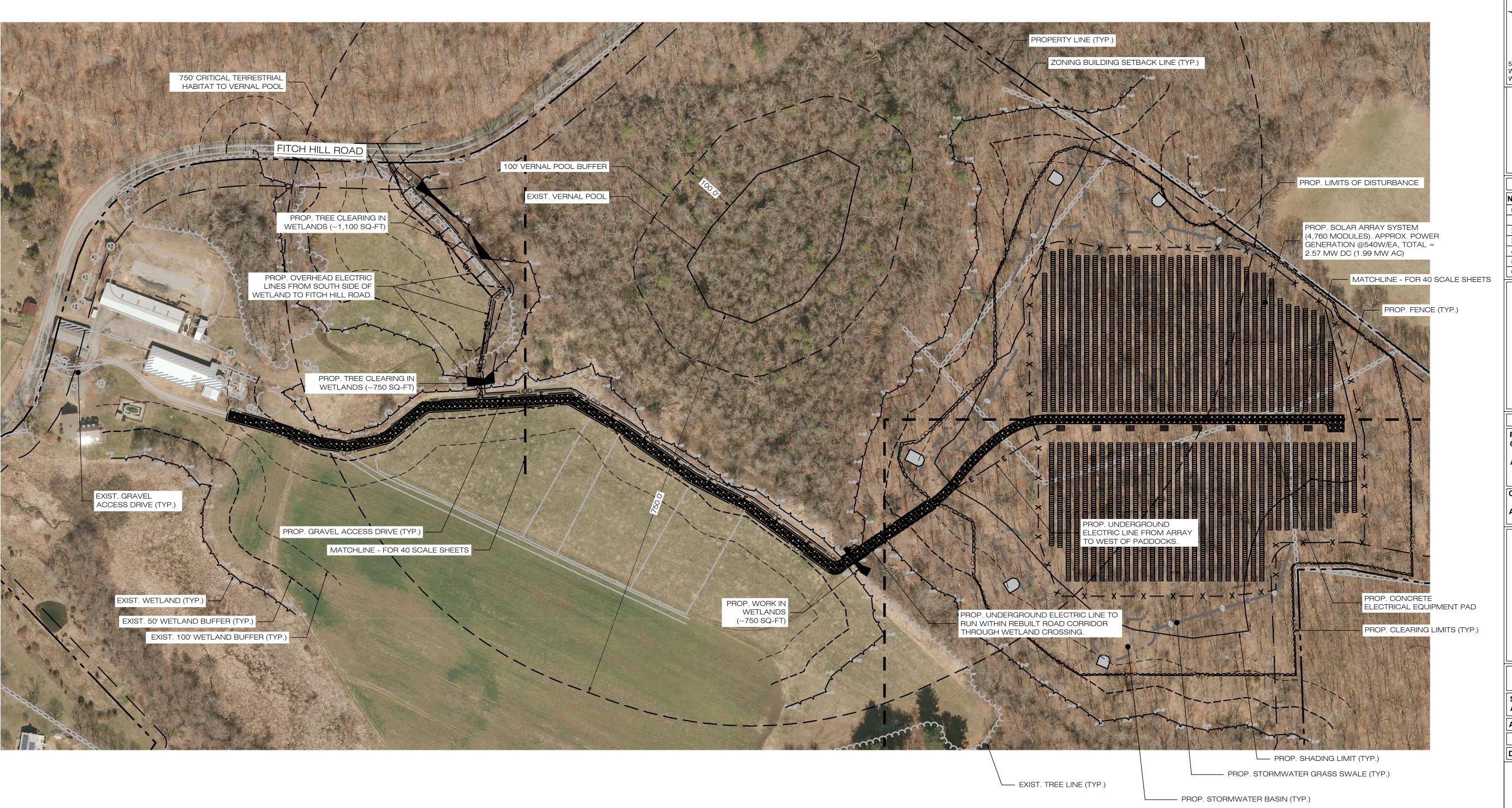
SHEET NUMBER:







(IN FEET) 1 inch = 200 ft.



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

(IN FEET) 1 inch = 100 ft.

TRITEC

AMERICAS

888 PROSPECT STREET

LA JOLLA, CA 92037

OFFICE: (619) 363-3080



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	CSC PERMIT SET		
NO	DATE	REVISION	
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3			
4			
5			
6			

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PARTIAL SITE PLAN

SHEET NUMBER:

OP-



EROSION CONTROL NOTES

EROSION AND SEDIMENT CONTROL PLAN NOTES

- THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF MONTVILLE, PERMITTEE, AND/OR SWPCP MONITOR. ALL PERIMETER SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- THESE DRAWINGS ARE ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL MEASURES FOR THIS SITE. SEE CONSTRUCTION SEQUENCE FOR ADDITIONAL INFORMATION. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN ARE SHOWN AS REQUIRED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL EROSION CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO STORM DRAINAGE SYSTEMS AND/OR WATERCOURSES. ACTUAL SITE CONDITIONS OR SEASONAL AND CLIMATIC CONDITIONS MAY WARRANT ADDITIONAL CONTROLS OR CONFIGURATIONS, AS REQUIRED, AND AS DIRECTED BY THE PERMITTEE AND/OR SWPCP MONITOR. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
- 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 EXISTING.
- 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 MILINICIPALITY
- 13. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES AND SECURED APPROPRIATELY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE/CONTAINMENT.
- 14. MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDED WITH TACKIFIER.
- 15. SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAYS DAMP. CALCIUM CHLORIDE MAY ALSO BE APPLIED TO ACCESS ROADS. DUMP TRUCK LOADS EXITING THE SITE SHALL BE COVERED.
- 16. VEGETATIVE ESTABLISHMENT SHALL OCCUR ON ALL DISTURBED SOIL, UNLESS THE AREA IS UNDER ACTIVE CONSTRUCTION, IT IS COVERED IN STONE OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES SHALL BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.
- 17. MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP CONCRETE PADS, CLEAN THE STORMWATER MANAGEMENT SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM PERMITTEE OR THE MUNICIPALITY.
- 18. PERMANENT SEEDING MIXTURES SHALL BE AS DETAILED ON SHEET DN-2.

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 15.30± ACRES OF EXISTING LOT.

THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

A. CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.

- B. CONSTRUCTION OF 4,760 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
- B. THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
- 2. FOR THIS PROJECT, THERE ARE APPROXIMATELY 15.30± ACRE OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE, AS ALL ACCESS THOUGH THE SITE WILL BE GRAVEL. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT.
- 3. THE PROJECT SITE, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 18, DEC 6, 2018), CONTAINS TYPE 68C, 68D, 73C AND 703B (HYDROLOGIC SOIL GROUP B) AND 702B (HYDROLOGIC SOIL GROUP C). A GEOTECHNICAL ENGINEERING REPORT HAS NOT BEEN COMPLETED.
- 4. IT IS ANTICIPATED THAT CIVIL CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 3-4 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 TOWN OF MONTVILLE STANDARDS, TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGEMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, LATEST EDITION.
- 7. DETAILS FOR THE TYPICAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON THE PLAN SHEETS OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.
- 8. CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:
- A. STAGED CONSTRUCTION;
- B. MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;
- C. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;
- D. MINIMIZE IMPERVIOUS AREAS;
- E. UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
- 9. THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
 - A. STORMWATER MANAGEMENT REPORT DATED DECEMBER 2021
 B. SWPCP, TO BE ISSUED AT A LATER DATE.

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 OWNER'S REPRESENTATIVE(S), THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION, OPERATION, MONITORING AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
- 3. NOTIFY CALL BEFORE YOU DIG AT 811, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.

PHASE 1

- 4. REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL CLEARING AND GRUBBING TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCE/S.
- 5. CLEAR ONLY AS NEEDED TO INSTALL THE PERIMETER EROSION AND SEDIMENTATION CONTROL MEASURES AND, IF APPLICABLE, TREE PROTECTION. ALL WETLAND AREAS SHALL BE PROTECTED BEFORE MAJOR CONSTRUCTION BEGINS.
- 6. INSTALL PERIMETER EROSION CONTROL.
- 7. INSTALL EROSION CONTROL BELOW EQUIPMENT AREA AND INSTALL CONCRETE EQUIPMENT PADS AND CONDUITS PROTECTED BY THESE CONTROLS.
- 8A. INSTALL TEMPORARY SEDIMENT TRAPS 3B & 3C AND ASSOCIATED SWALES. UPON COMPLETION OF THE INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 WORK UP GRADIENT CAN PROCEED.
- 8B. INSTALL TEMPORARY SEDIMENT TRAPS 2A & 2B AND ASSOCIATED SWALES. UPON COMPLETION OF THE INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 WORK UP GRADIENT CAN PROCEED.
- 8C. INSTALL TEMPORARY SEDIMENT TRAP 1 AND ASSOCIATED SWALES. UPON COMPLETION OF THE INSTALLATION AND STABILIZATION OF THE BASIN AND SWALES, PHASE 2 WORK UP GRADIENT CAN PROCEED.

PHASE 2

- 9. UPON COMPLETION OF THE INSTALLATION OF EACH OF THE TEMPORARY SEDIMENT TRAPS; THE AREA ABOVE THE BASIN CAN HAVE THE REMAINING ARRAY AREA CLEARING AND GRUBBING COMPLETED AS REQUIRED. REMOVE CUT WOOD AND STOCKPILE FOR FUTURE USE OR REMOVE OFF-SITE. REMOVE AND DISPOSE OF DEMOLITION DEBRIS OFF-SITE IN ACCORDANCE WITH APPLICABLE LAWS.
- 10. TEMPORARILY SEED DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.
- 11. INSTALL REMAINING ELECTRICAL CONDUIT.
- 12. INSTALL RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS.
- 13. INSTALL GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION.
- 14. AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK, INCLUDING ANY REQUIRED LANDSCAPE SCREENING, AND STABILIZE ALL DISTURBED AREAS.
- 15. FINE GRADE, RAKE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.
- 16. AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE AND IF NECESSARY THE TOWN OF MONTVILLE AGENT, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.





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DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, PE
COMP: ALL-POINTS TECHNOLOGY
CORPORATION
ADD: 567 VAUXHAUL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385

OWNER: N SILVER BROOK
HOLDINGS LLC
ADDRESS: 511 FITCH HILL ROAD
UNCASVILLE, CT 06382

N SILVER BROOK SOLAR

SITE 486 FITCH HILL ROAD ADDRESS: UNCASVILLE, CT 06382

APT FILING NUMBER: CT657140

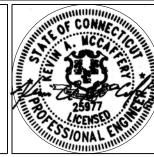
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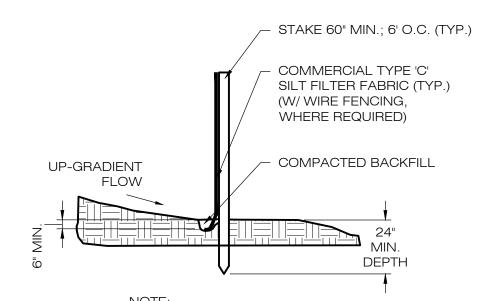
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SEDIMENTATION & EROSION CONTROL NOTES

SHEET NUMBER:

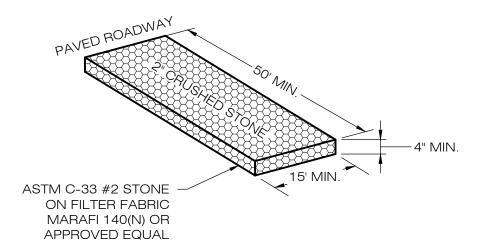




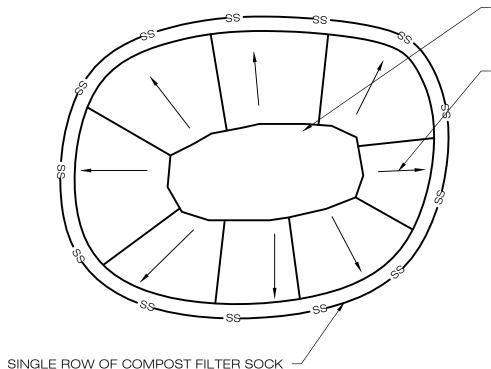
SILT FENCE SHALL BE LAPPED ONLY WHEN NECESSARY PER THE MANUFACTURER RECOMMENDATIONS.

SILT FENCE DETAIL

TSB-1A & TSB-1B = 25.0' TSB-2 = SEE PLANS



CONSTRUCTION ENTRANCE DETAIL
SCALE: N.T.S.



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

DIRECTION OF RUN-OFF FLOW (TYP.)

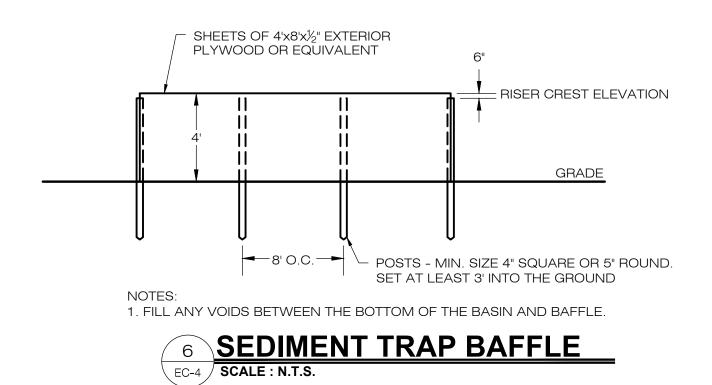
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.

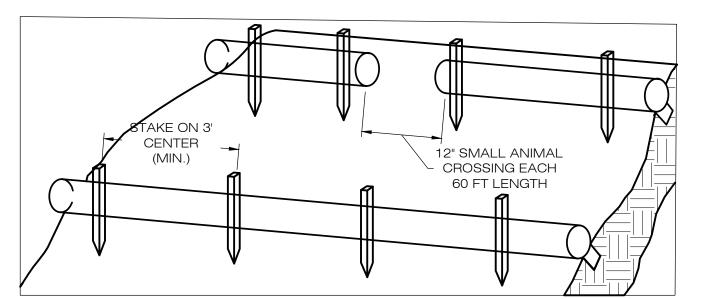
2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.

3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.

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

MATERIALS STOCKPILE DETAIL



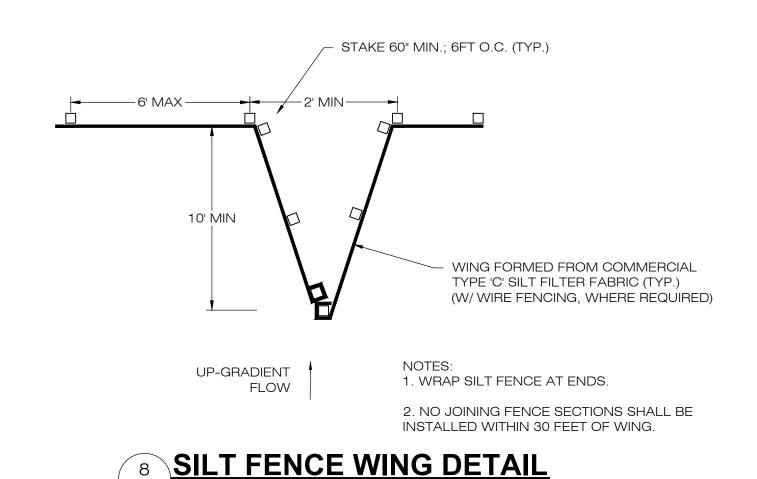


1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.

2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPHILL SIDE. SOCKS SHALL BE INSTALLED IN 60 FT CONTINUOUS LENGTHS WITH ADJACENT SOCKS TIGHTLY ABUT. EVERY 60 FT THE SOCK ROW SHALL BE SPACED 12 INCHES CLEAR, END TO END, FOR AMPHIBIAN AND REPTILE TRAVEL. THE OPEN SPACES SHALL BE STAGGERED MID LENGTH OF THE NEXT DOWN GRADIENT SOCK.

3. SECURE THE SOCK WITH 18-24" (45.7-61 CM) STAKES EVERY 3-4' (0.9 -1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER



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'ALL-POINTS

TECHNOLOGY CORPORATION

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WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

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04/12/22 COUNCIL INTERROGATORIES 2 05/31/22 COUNCIL INT. #2, LAYOUT

DESIGN PROFESSIONAL OF RECORD

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COMP: ALL-POINTS TECHNOLOGY CORPORATION

EXTENSION - SUITE 311

WATERFORD, CT 06385

HOLDINGS LLC

UNCASVILLE, CT 06382

ADD: 567 VAUXHAUL STREET

OWNER: N SILVER BROOK

ADDRESS: 511 FITCH HILL ROAD

||NO| DATE |REVISION

SITE 486 FITCH HILL ROAD **ADDRESS: UNCASVILLE, CT 06382**

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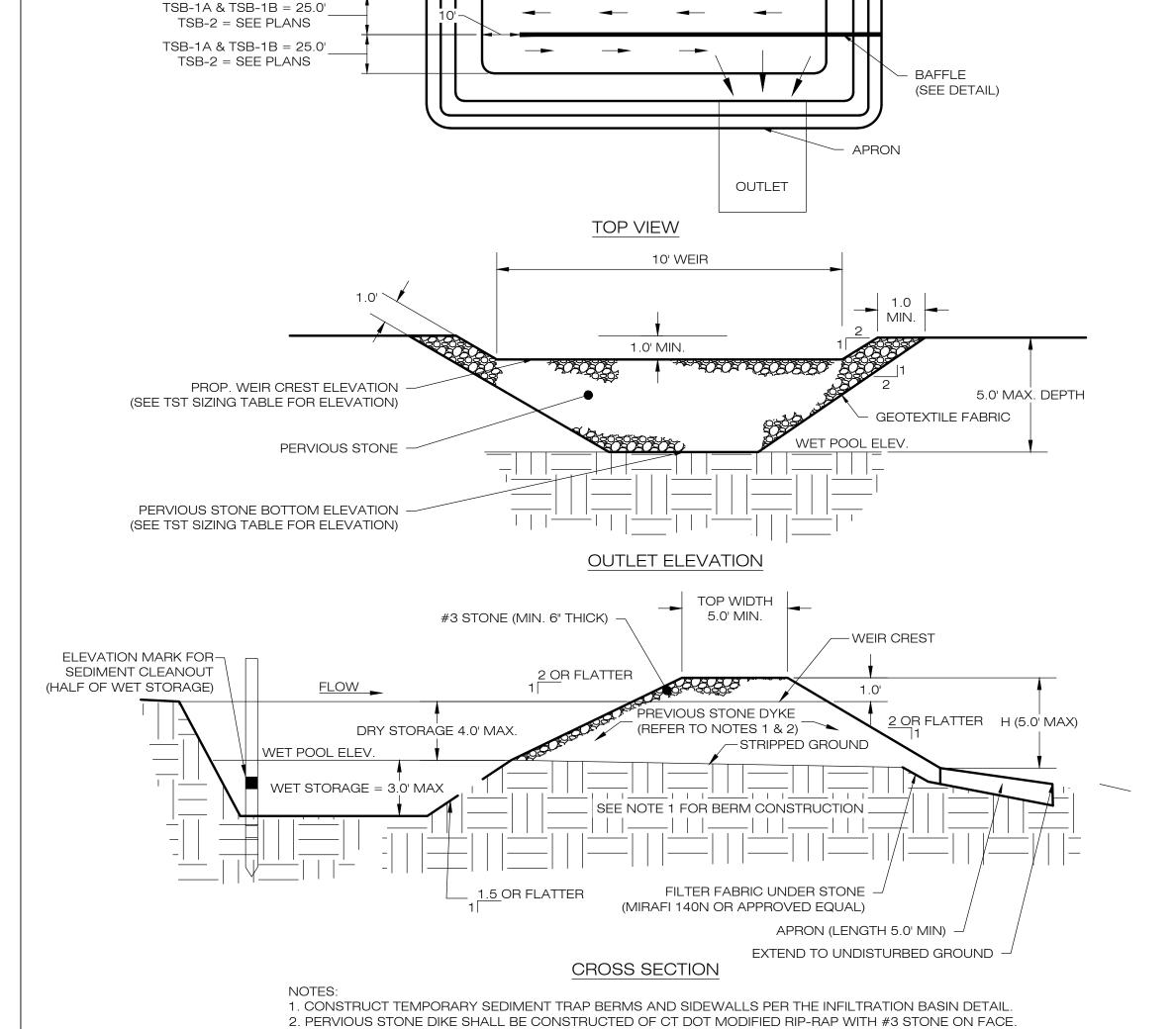
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SHEET TITLE:

SEDIMENTATION & EROSION CONTROL DETAILS

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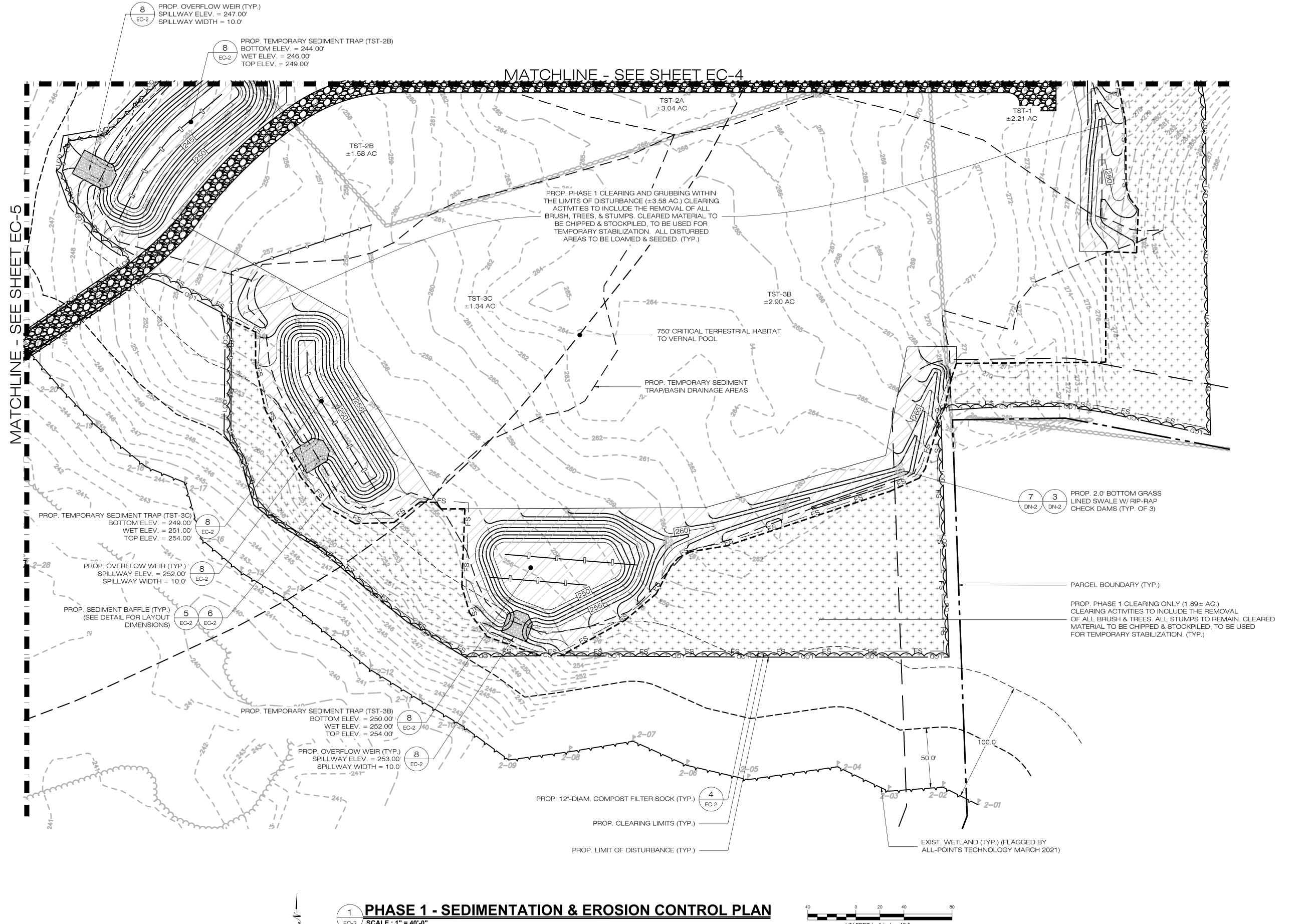
INLET

TEMPORARY SEDIMENT TRAP SIZING TABLE REQ. WET VOLUME | PROP. BTM. ELEV. PROP. TOP ELEV. DRAINAGE AREA PROP. STONE DIKE PROP. WEIR CREST WET VOL. TOTAL VOL. VOLUME/ACRE REQ. VOLUME (CY) NAME PROVIDED (CY) PROVIDED. (CY) BTM. ELEV. (FT) ELEV. (FT) AREA (CY) TST-1 2.21 AC 134 CY 296 CY 148 CY 250.0 252.0' 253.0 255.0' 234.52 CY 673.89 CY TST-2A 3.04 AC 407 CY 341.93 CY 134 CY 203.5 CY 247.0' 249.0' 250.0 252.0' 689.34 CY TST-2B 1.58 AC 134 CY 212 CY 106 CY 244.0' 246.0' 247.0' 249.0' 270.39 CY 572.01 CY TST-3B 2.90 AC 134 CY 389 CY 194.5 CY 250.0 252.0' 253.0 255.0' 392.74 CY 775.36 CY TST-3C 1.34 AC 90 CY 252.0 254.0' 447.21 CY 134 CY 180 CY 249.0' 251.0 202.09 CY

TEMPORARY SEDIMENT TRAP ∖ EC-4 /

3. SEDIMENT TRAP BAFFLES SHALL BE INSTALLED AS SHOWN ON EC-1 AND EC-2.

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







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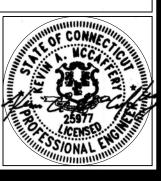
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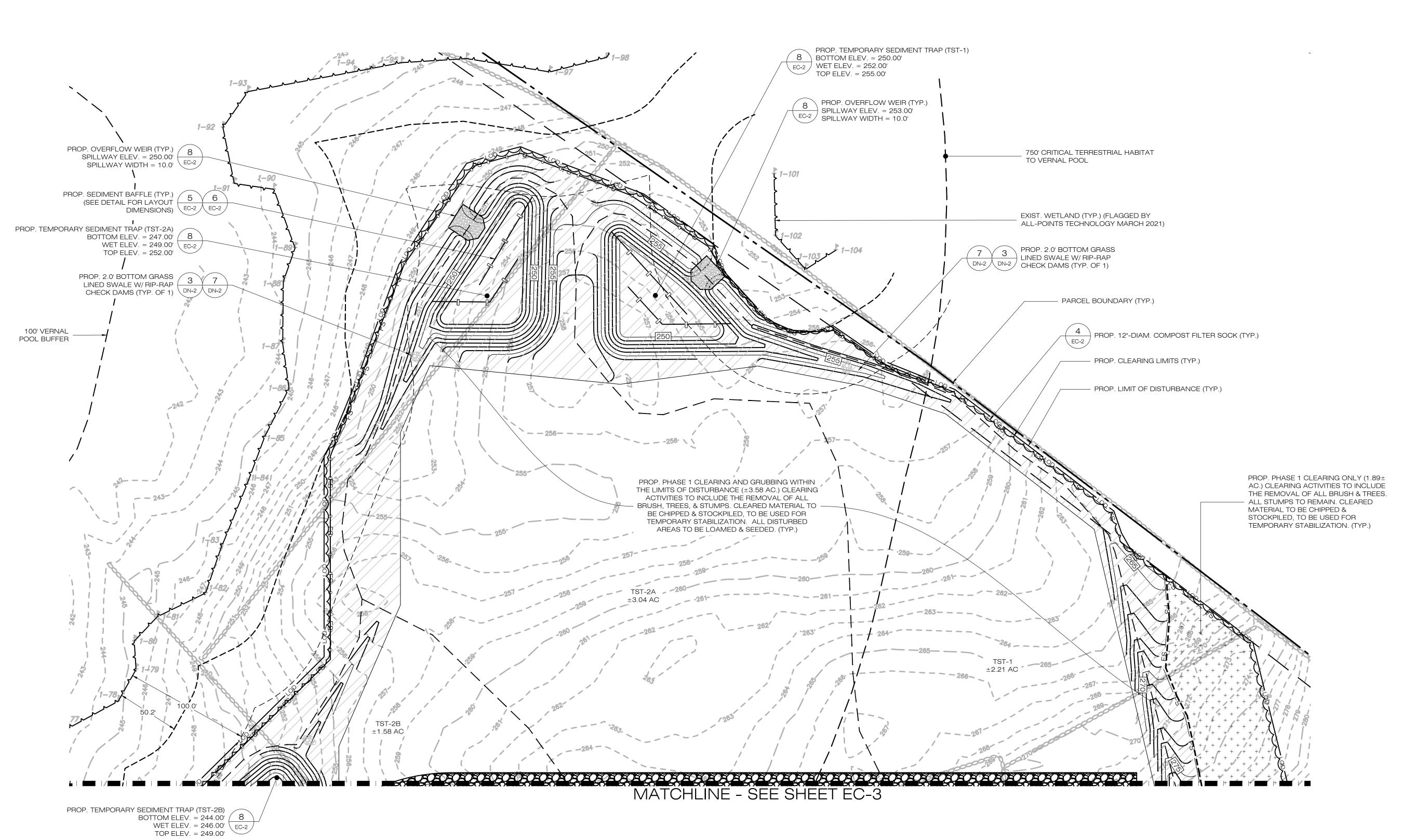
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SHEET TITLE:

PHASE 1
SEDIMENTATION &
EROSION CONTROL PLAN

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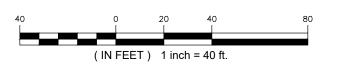
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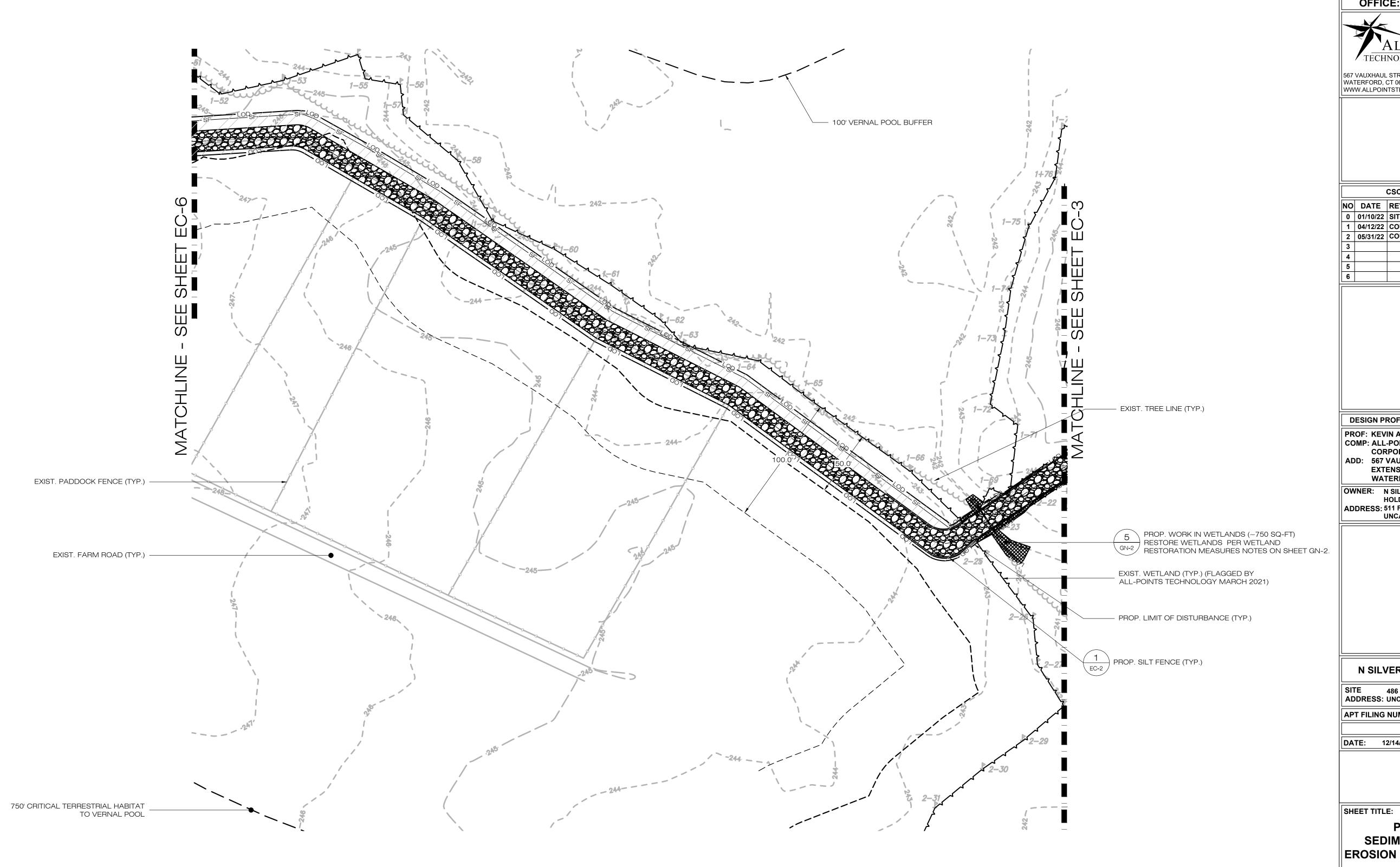
EC-4



PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

SCALE: 1" = 40'-0"





PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN

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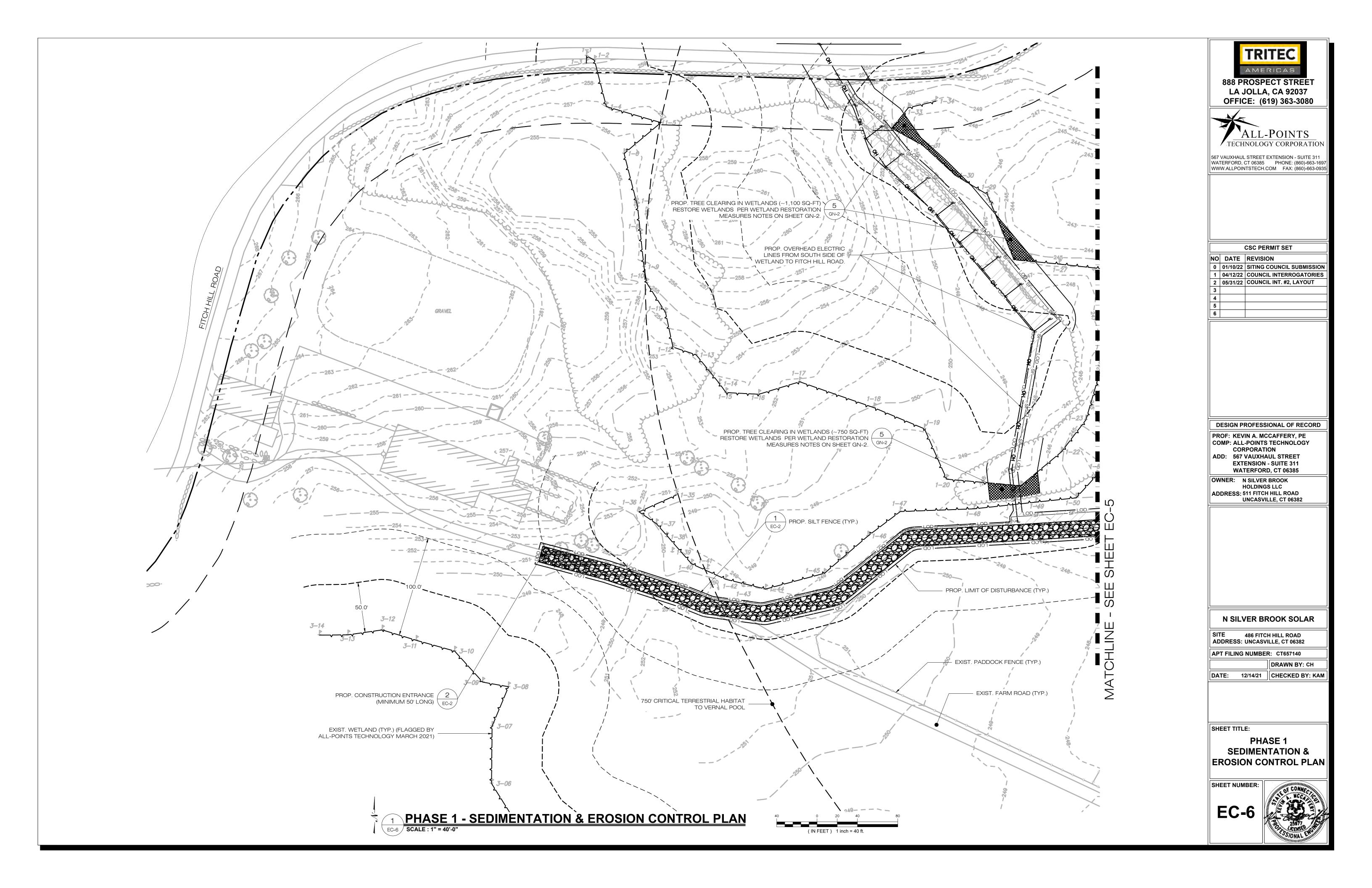
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PHASE 1 **SEDIMENTATION &** EROSION CONTROL PLAN

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PROP. STOCK PILE AREA WITH DOUBLE ROW SILT FENCE (TYP.)
(IF REQUIRED) MATCHLINE - SEE SHEET EC-8 PROP. PHASE 2 CLEARING AND GRUBBING WITHIN THE LIMITS OF DISTURBANCE (±8.86 AC.) CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDED. (TYP.) 750' CRITICAL TERRESTRIAL HABITAT PROP. 12"-DIAM. COMPOST FILTER SOCK (TYP.)

(TO BE PLACED ON CONTOUR APPROX. HALFWAY) EC-2 DOWN SLOPE). REMOVE AND REPLACE AS REQ. DURING CONSTRUCTION PROP. TREE CUTTING ONLY. STUMPS TO REMAIN (TYP.) - PARCEL BOUNDARY (TYP.) PROP. 12"-DIAM. COMPOST FILTER SOCK (TYP.) PROP. CLEARING LIMITS (TYP.) -EXIST. WETLAND (TYP.) (FLAGGED BY ALL-POINTS TECHNOLOGY MARCH 2021) PROP. LIMIT OF DISTURBANCE (TYP.) PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN

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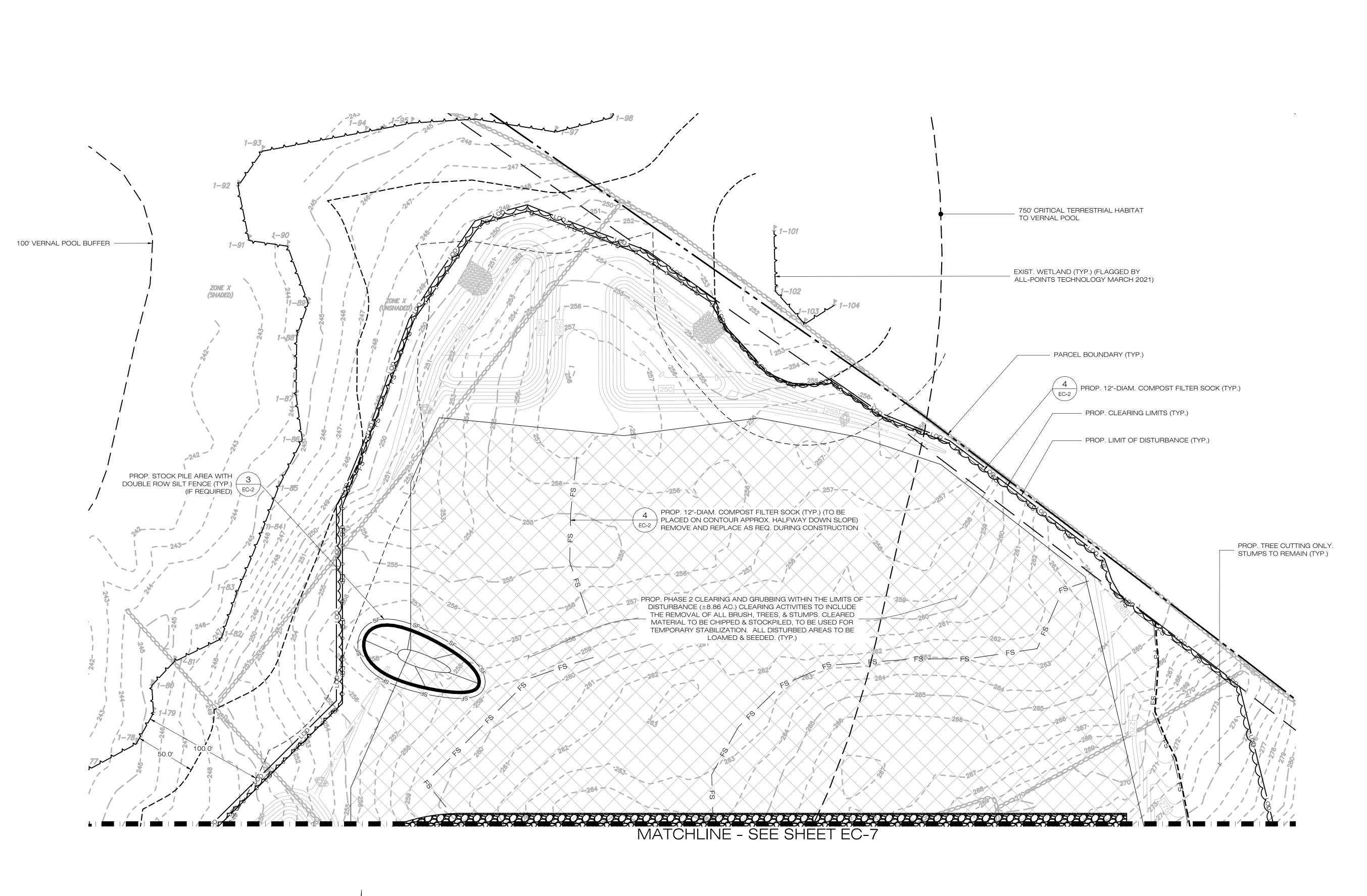
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PHASE 2
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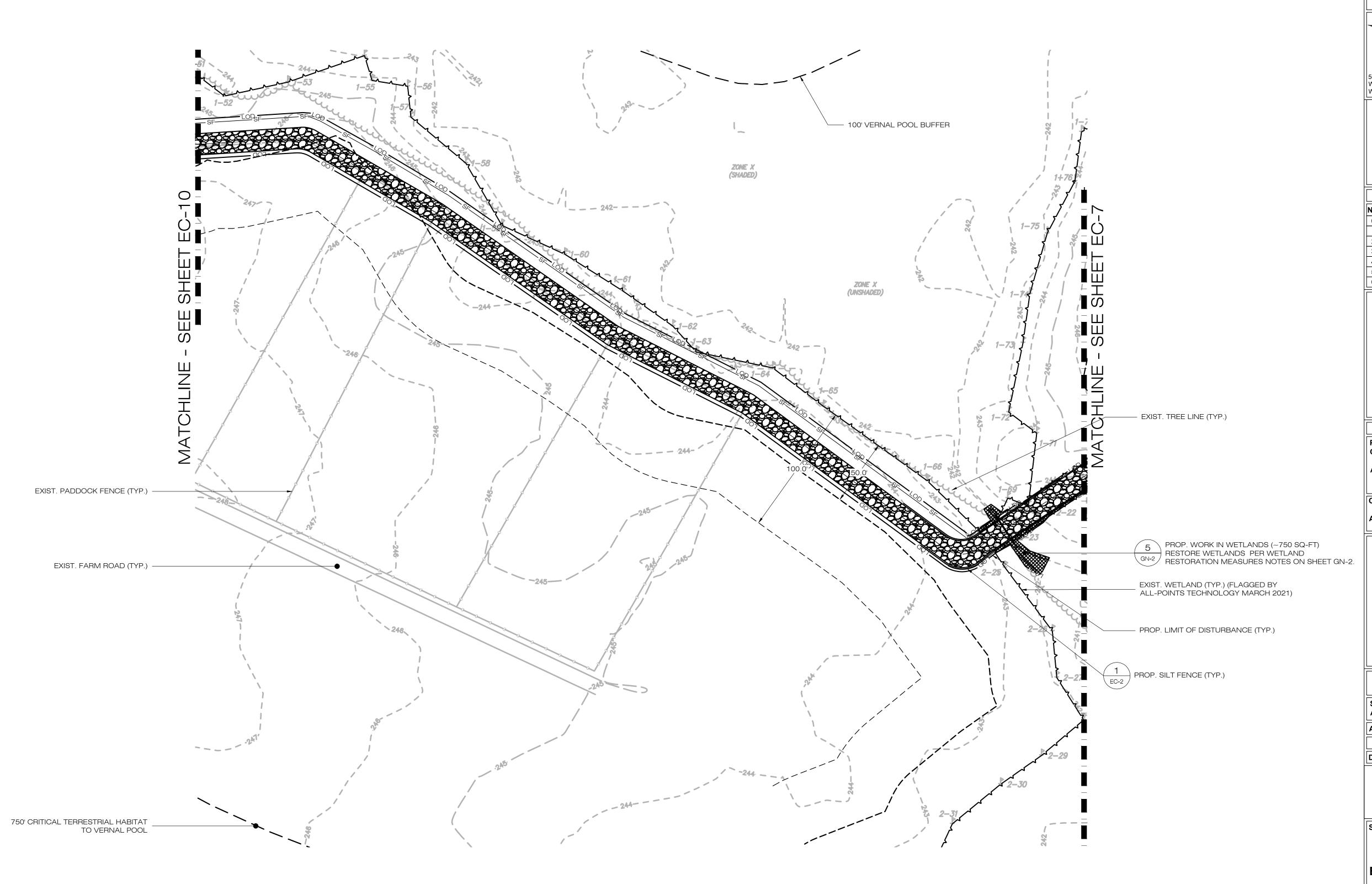
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PHASE 2
SEDIMENTATION &
EROSION CONTROL PLAN

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PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN

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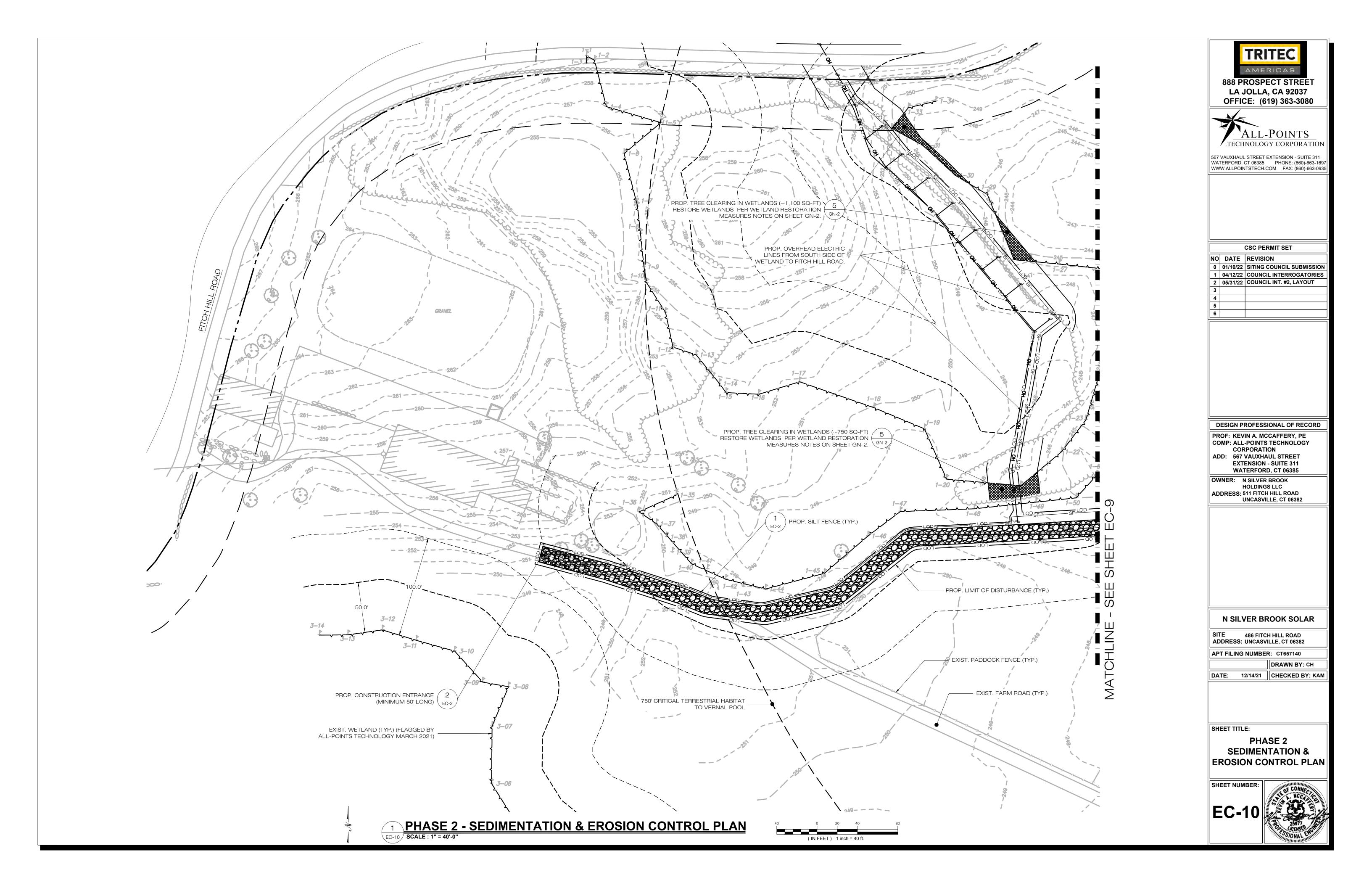
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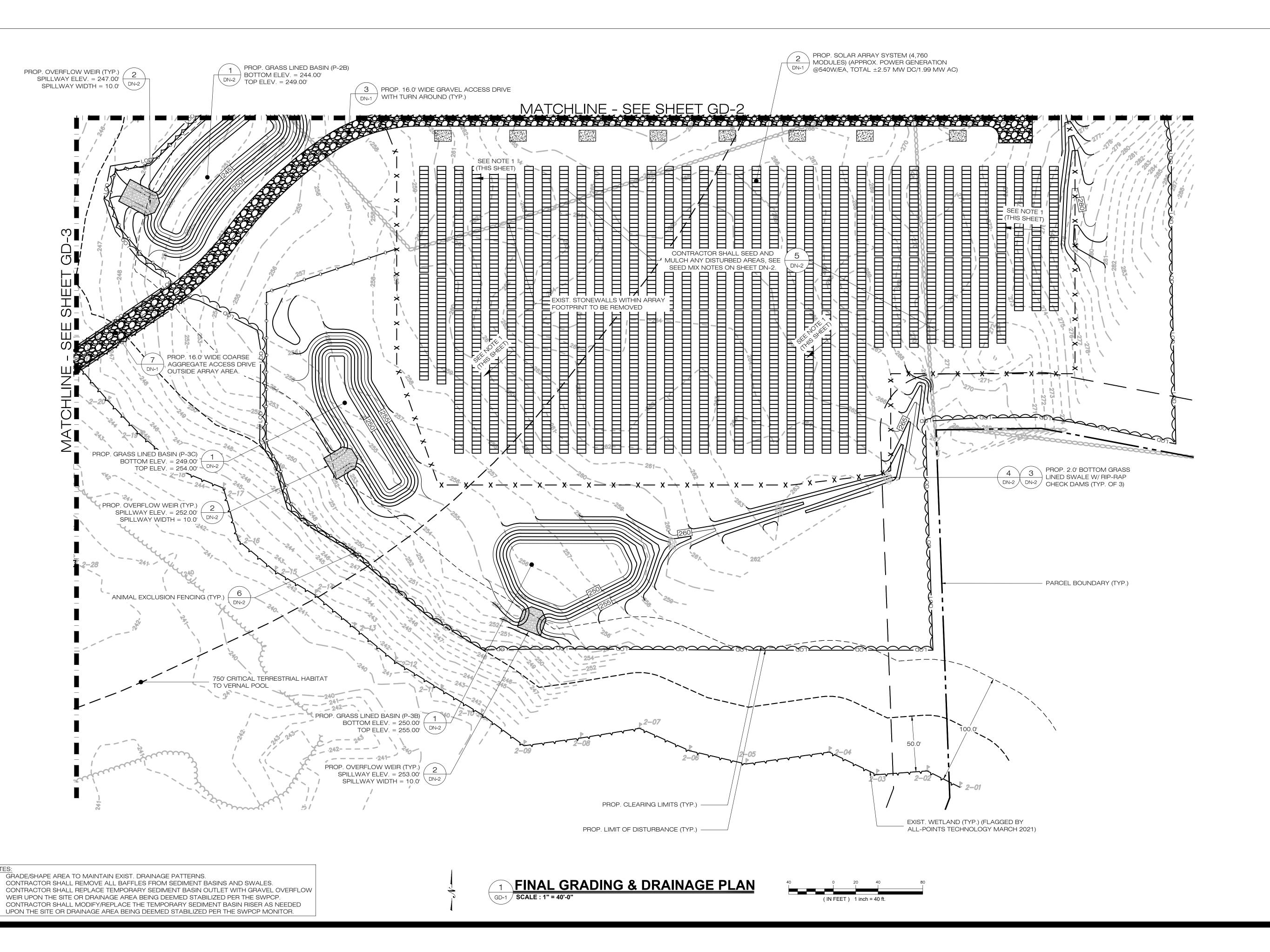
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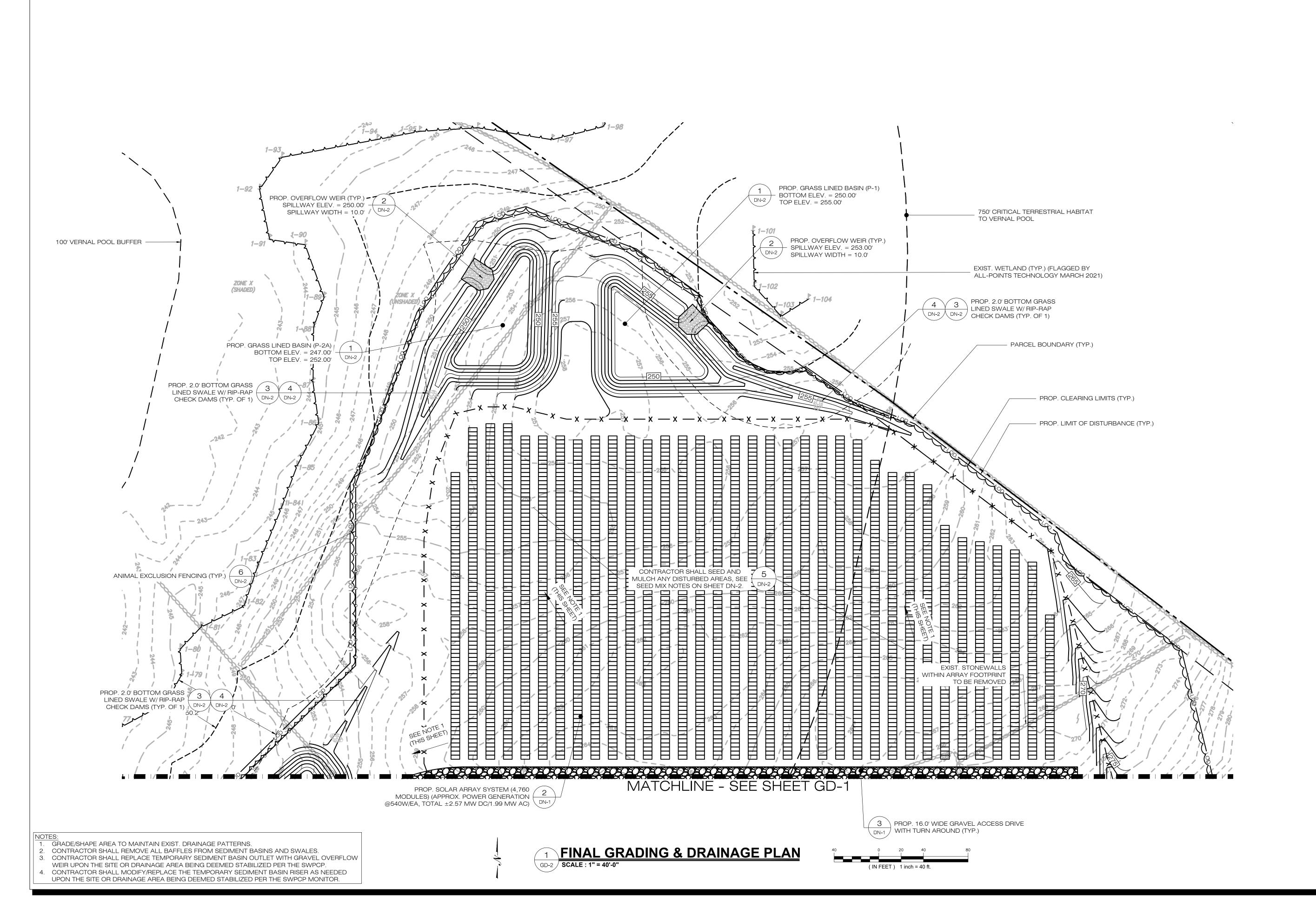
SHEET TITLE:

FINAL GRADING & DRAINAGE PLAN

SHEET NUMBER:

GD-1





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OWNER: N SILVER BROOK HOLDINGS LLC ADDRESS: 511 FITCH HILL ROAD UNCASVILLE, CT 06382

N SILVER BROOK SOLAR

SITE 486 FITCH HILL ROAD ADDRESS: UNCASVILLE, CT 06382

APT FILING NUMBER: CT657140

DRAWN BY: CH

DATE: 12/14/21 CHECKED BY: KAM

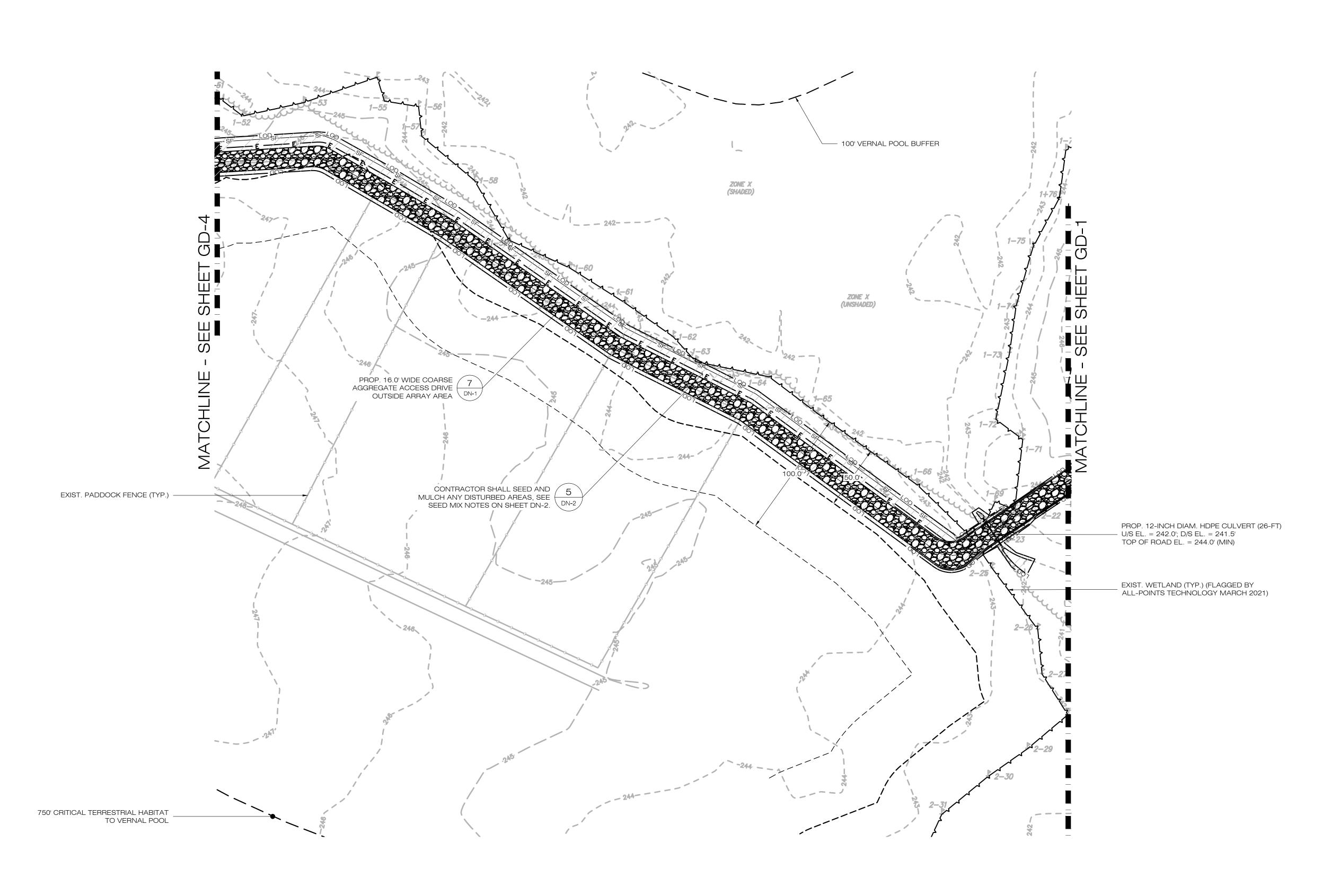
SHEET TITLE:

FINAL GRADING & DRAINAGE PLAN

SHEET NUM

GD-2





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





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

CSC PERMIT SET		
NO	DATE	REVISION
0	01/10/22	SITING COUNCIL SUBMISSION
1	04/12/22	COUNCIL INTERROGATORIES
2	05/31/22	COUNCIL INT. #2, LAYOUT
3		
4		
5	·	
6		

DESIGN PROFESSIONAL OF RECORD

PROF: KEVIN A. MCCAFFERY, PE
COMP: ALL-POINTS TECHNOLOGY
CORPORATION
ADD: 567 VAUXHAUL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385

OWNER: N SILVER BROOK
HOLDINGS LLC
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UNCASVILLE, CT 06382

N SILVER BROOK SOLAR

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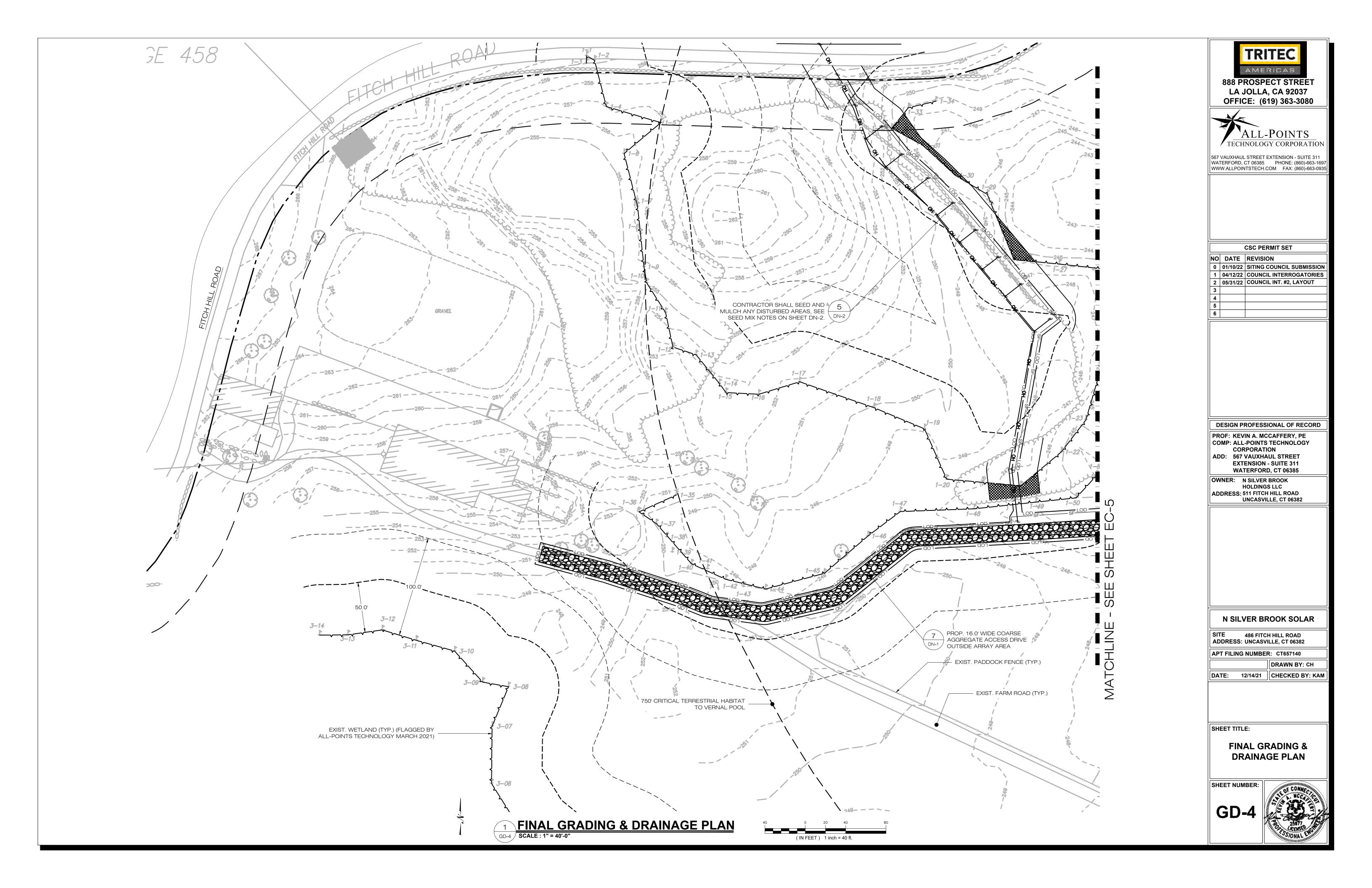
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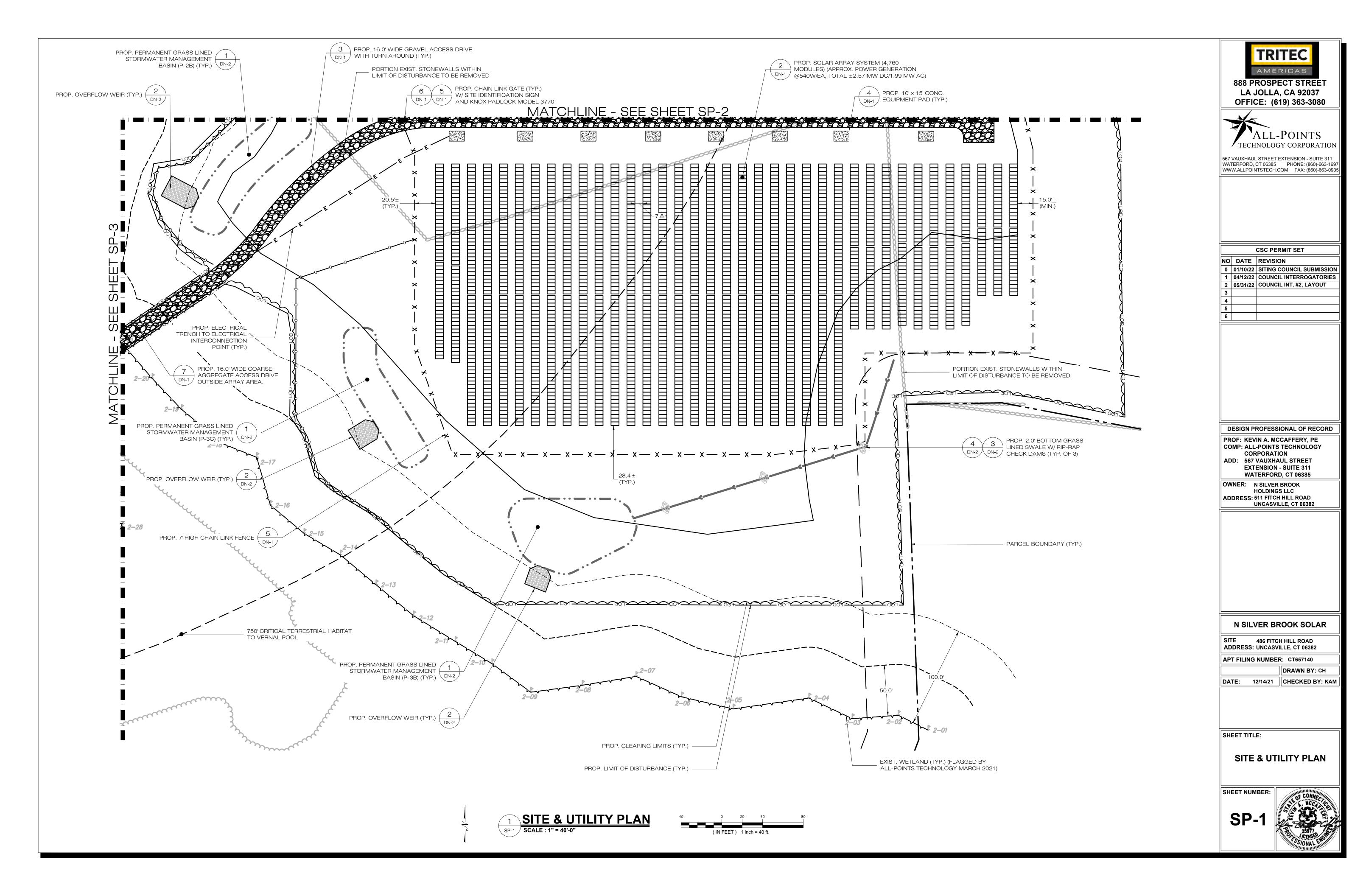
FINAL GRADING & DRAINAGE PLAN

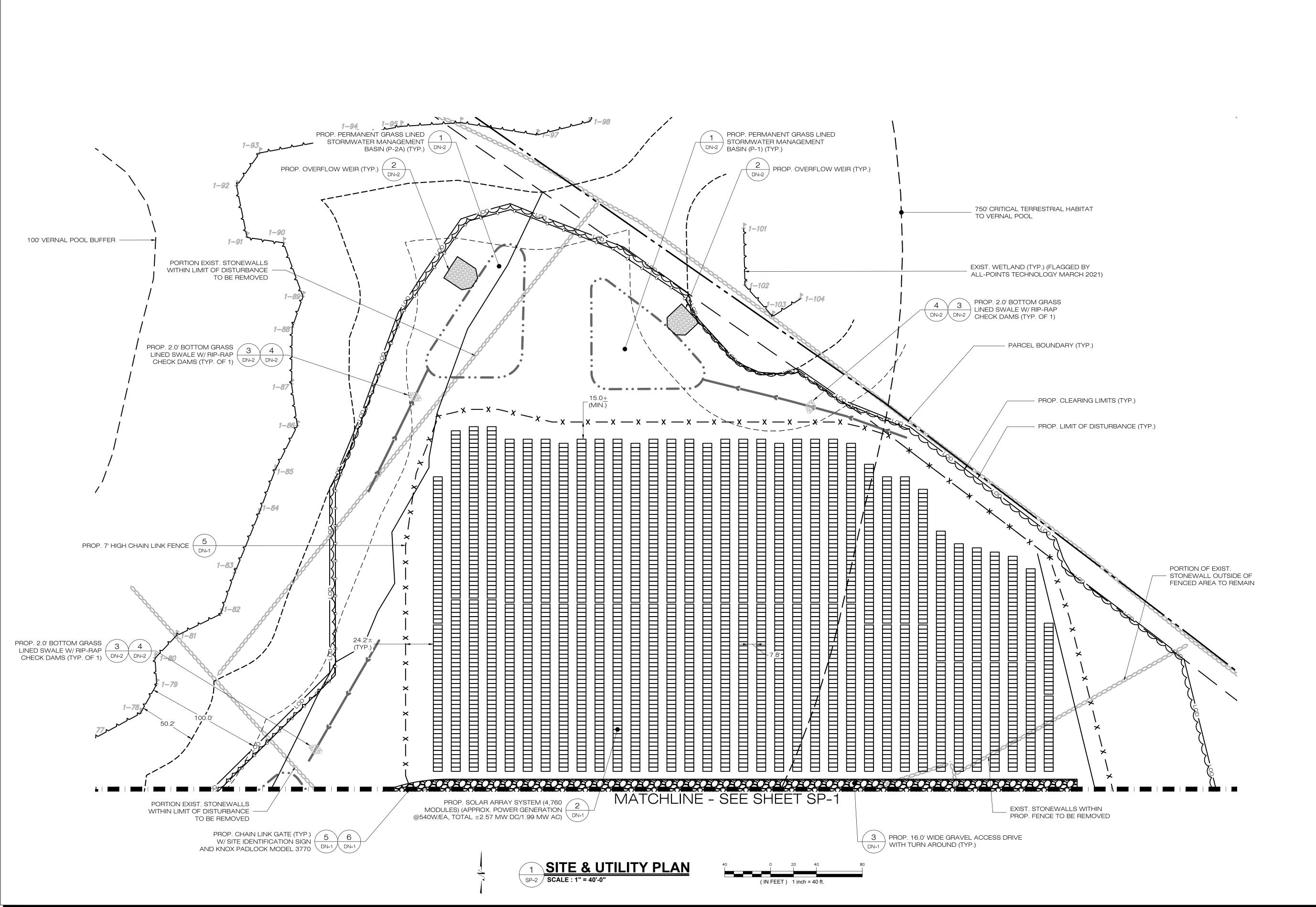
SHEET NUM

GD-3













567 VAUXHAUL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385 PHONE: (860)-663-1697 WWW.ALLPOINTSTECH.COM FAX: (860)-663-0938

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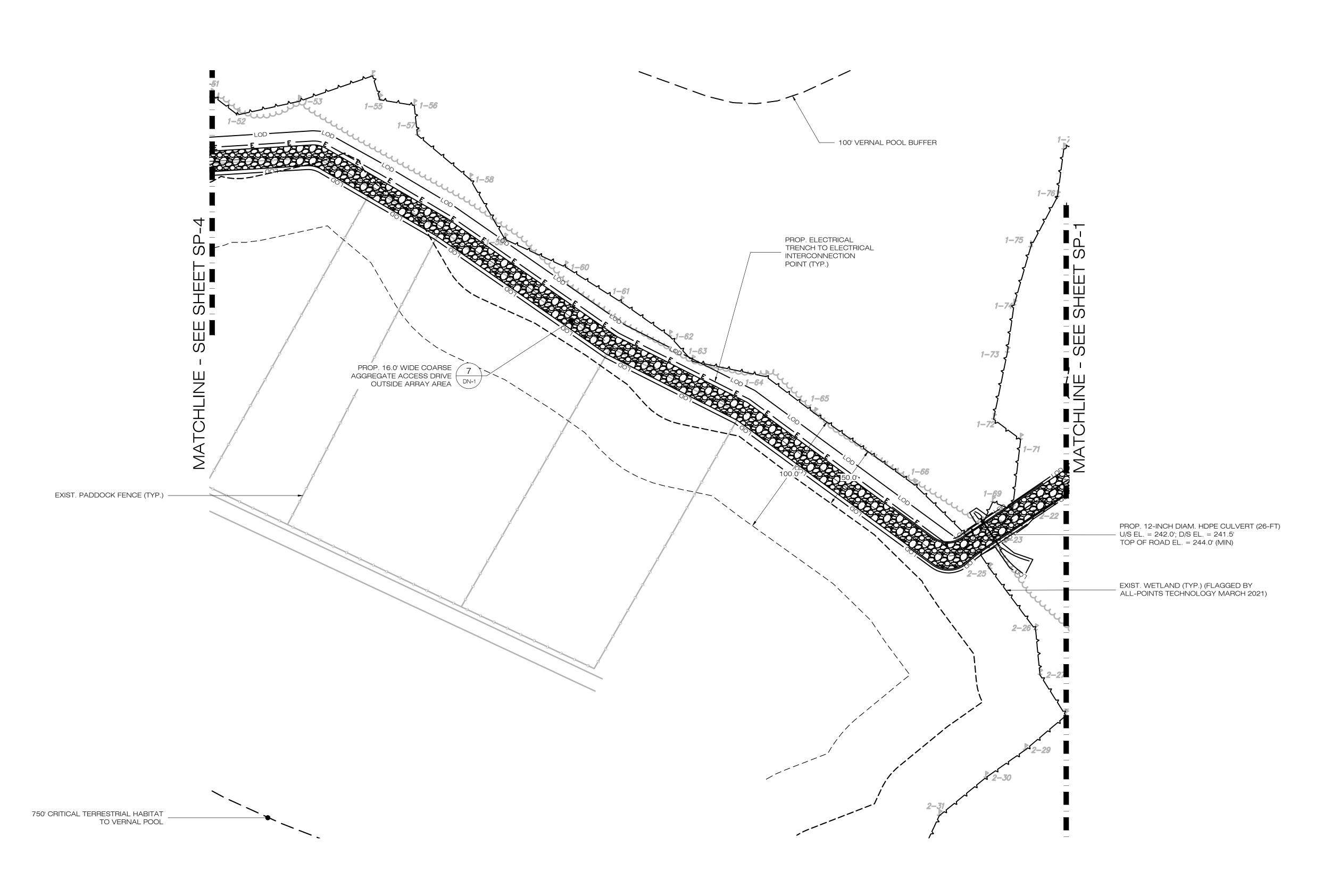
SHEET TITLE:

SITE & UTILITY PLAN

SHEET NUMBER:

SP-2





(IN FEET) 1 inch = 40 ft.

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





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CSC PERMIT SET		
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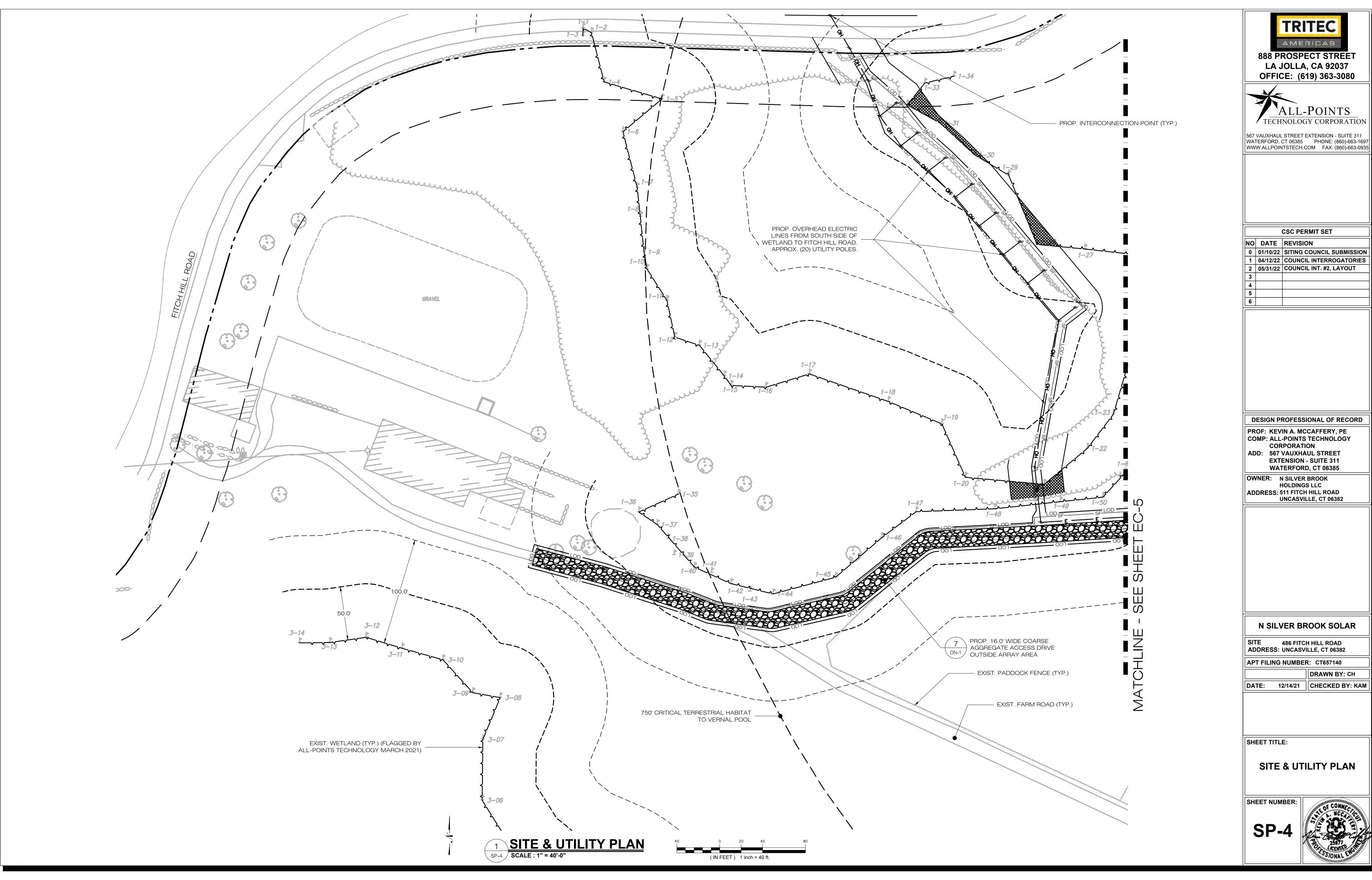
SHEET TITLE:

SITE & UTILITY PLAN

SHEET NUMB

SP-3









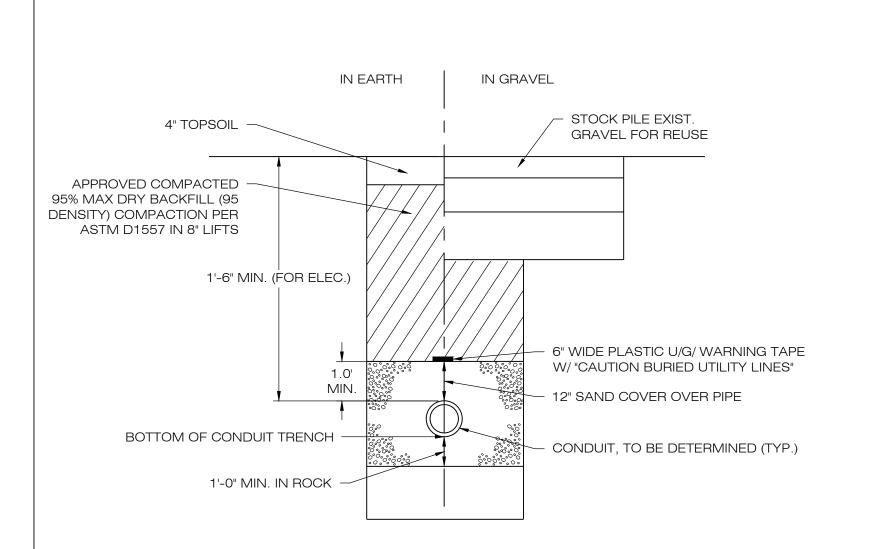
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NO	DATE	REVISION
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PROF: KEVIN A. MCCAFFERY, PE COMP: ALL-POINTS TECHNOLOGY ADD: 567 VAUXHAUL STREET **EXTENSION - SUITE 311** WATERFORD, CT 06385

DRAWN BY: CH





SOLAR PANEL

VERTICAL RAIL

SLEW DRIVE

DRIVE POST BRACKET

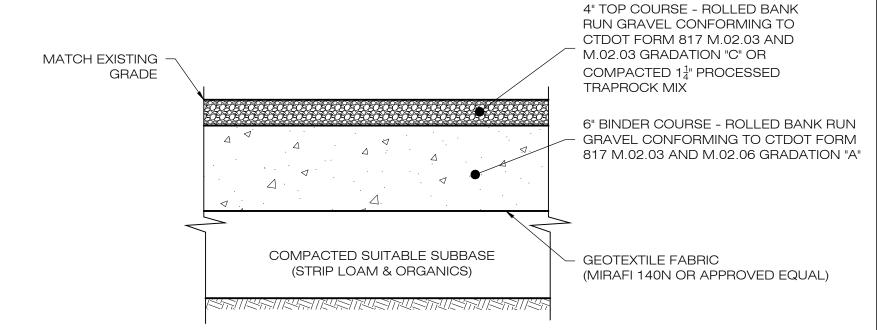
DRIVE POST

FINISHED GRADE

NOTES:

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

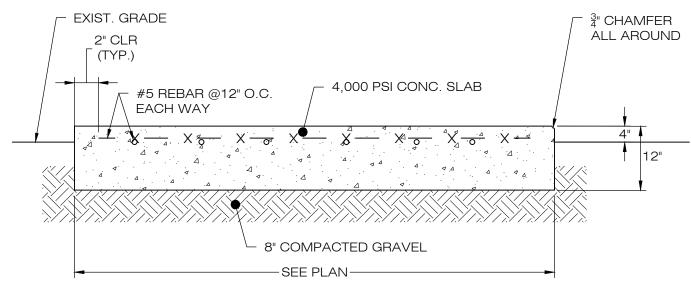
2 TYPICAL TRACKER POST MOUNTED RACKING SYSTEM SCALE: N.T.S.



NOTEO

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

GRAVEL ACCESS DRIVE SECTION SCALE: N.T.S.

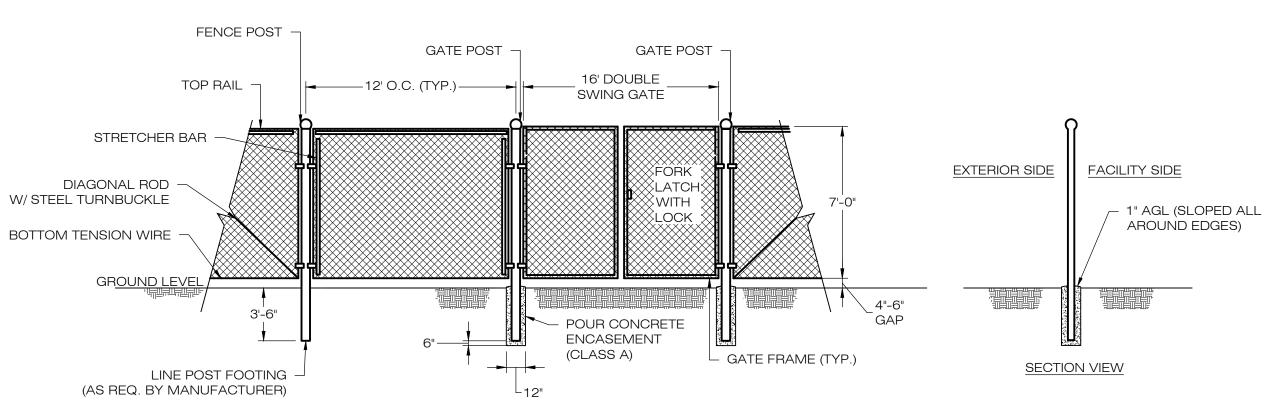


ELECTRICAL TRENCH DETAIL



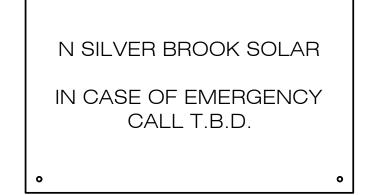
12" DEEP 1 ½" CRUSHED STONE AGGREGATE TOP COURSE (MINIMUM 40% VOID)

ADS GEOSYNTHETICS 250W WOVEN GEOTEXTILE FABRIC



NOTE: ALL FENCE TO BE GREEN VINYL COATED.





NOTES:
EMERGENCY CALL NUMBER TO BE PROVIDED ONCE DETERMINED



TRITEC

AMERICAS

888 PROSPECT STREET

LA JOLLA, CA 92037

OFFICE: (619) 363-3080



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

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١	6			

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WATERFORD, CT 06385

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N SILVER BROOK SOLAR

SITE 486 FITCH HILL ROAD ADDRESS: UNCASVILLE, CT 06382

APT FILING NUMBER: CT657140

DRAWN BY: CH

DATE: 12/14/21 CHECKED BY: KAM

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

DN-1



COMPACTED SUITABLE

1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND

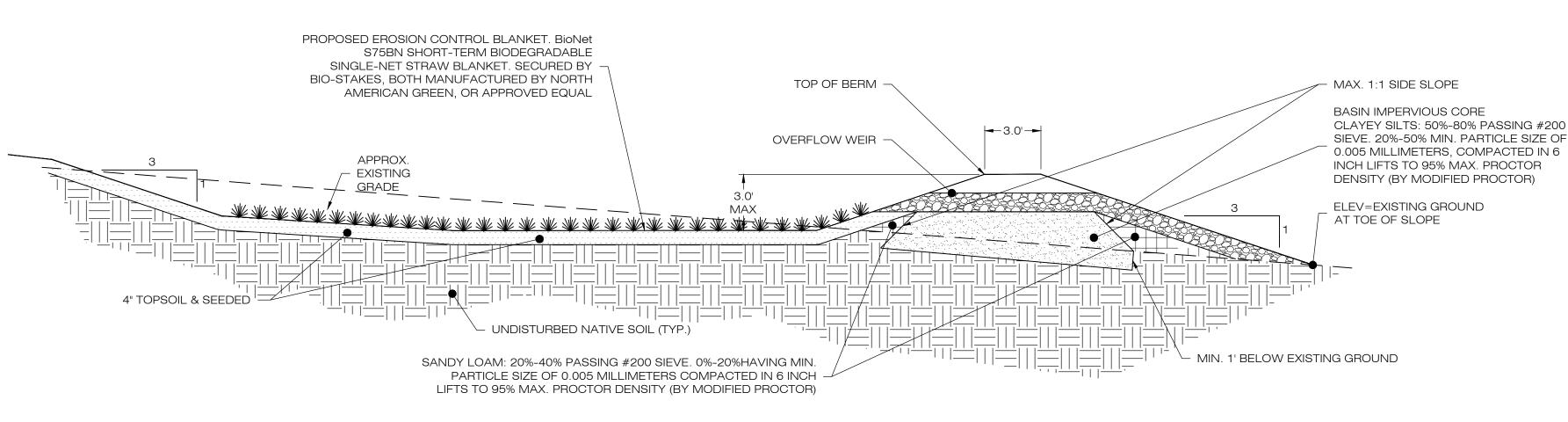
2. SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE

ACCEPTABLE BY THE OWNER. SUBBASE TO BE COMPACTED TO

NOTES:

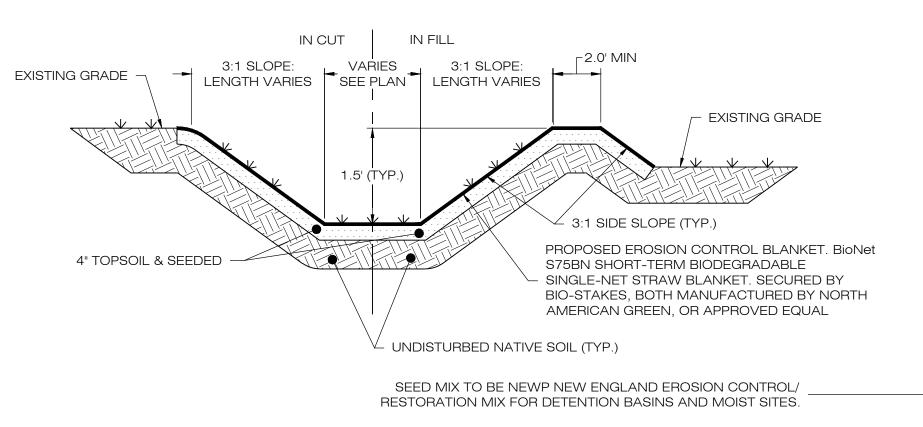
MATERIALS.

95% MAX DRY DENSITY



- SEED MIX TO BE NEWP NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES ON THE BOTTOM OF THE BASIN, ERNMX-610 ON THE SIDE SLOPES.
- FOR CONVERTING TSB TO INFILTRATION BASIN, REMOVE BAFFLES, CLEAN OUT SEDIMENT, RESHAPE AS REQUIRED. RECONSTRUCT OUTLET WEIR INCLUDING ADDITIONAL IMPERVIOUS CORE. AND RESEEDING.
- INSPECT AND CLEAN PIPES PRIOR TO INSTALLING PERMANENT OUTLET.

GRASS LINED INFILTRATION BASIN



Botanical Name	Common Name	Indicato
Elymus riparius	Riverbank Wild Rye	FACW
Schizachyrium scoparium	Little Bluestem	FACU
Festuca rubra	Red Fescue	FACU
Andropogon gerardii	Big Bluestem	FAC
Panicum virgatum	Switch Grass	FAC
Vernonia noveboracensis	New York Ironweed	FACW+
Agrostis perennans	Upland Bentgrass	FACU
Bidens frondosa	Beggar Ticks	FACW
Eupatorium maculatum (Eutrochium maculatum)	Spotted Joe Pye Weed	OBL
Eupatorium perfoliatum	Boneset	FACW
Aster novae-angliae (Symphyotrichum novae-anglia	New England Aster	FACW-
Scirpus cyperinus	Wool Grass	FACW
Juncus effusus	Soft Rush	FACW+

GRASS LINED SWALE

Fuzz & Buzz Mix - Premium - ERNMX-147

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

ERNST SEED MIXES

ERNMX-147 TO BE USED WITHIN ARRAY. ERNMX-610 TO BE USED OUTSIDE FENCELINE AND IN NON-ARRAY AREAS (ROAD SHOULDERS, PERIMETER ALLEYS, ELECTRIC TRENCHES, ETC.

Northeast Solar Pollinator Buffer Mix - ERNMX-610

	Botanical Name	Common Name	Price/I
37.00 %	Schizachyrium scoparium, 'Camper'	Little Bluestem, 'Camper'	15.9
36.30 %	Bouteloua curtipendula, Butte	Sideoats Grama, Butte	14.1
4.00 %	Chamaecrista fasciculata, PA Ecotype	Partridge Pea, PA Ecotype	7.2
4.00 %	Coreopsis lanceolata	Lanceleaf Coreopsis	28.8
4.00 %	Echinacea purpurea	Purple Coneflower	43.2
3.30 %	Rudbeckia hirta	Blackeyed Susan	24.0
2.30 %	Heliopsis helianthoides, PA Ecotype	Oxeye Sunflower, PA Ecotype	33.6
1.60 %	Penstemon digitalis, PA Ecotype	Tall White Beardtongue, PA Ecotype	192.0
1.50 %	Asclepias tuberosa	Butterfly Milkweed	432.0
0.80 %	Liatris spicata	Marsh Blazing Star	252.0
0.70 %	Senna hebecarpa, VA & WV Ecotype	Wild Senna, VA & WV Ecotype	28.8
0.50 %	Asclepias incarnata, PA Ecotype	Swamp Milkweed, PA Ecotype	192.0
0.50 %	Geum canadense, PA Ecotype	White Avens, PA Ecotype	192.0
0.50 %	Monarda fistulosa, Fort Indiantown Gap-PA Ecotype	Wild Bergamot, Fort Indiantown Gap-PA Ecotype	120.0
0.50 %	Pycnanthemum tenuifolium	Narrowleaf Mountainmint	168.0
0.50 %	Zizia aurea	Golden Alexanders	288.0
0.40 %	Aster laevis, NY Ecotype	Smooth Blue Aster, NY Ecotype	336.0
0.40 %	Aster novae-angliae, PA Ecotype	New England Aster, PA Ecotype	336.0
0.30 %	Baptisia australis, Southern WV Ecotype	Blue False Indigo, Southern WV Ecotype	96.0
0.30 %	Tradescantia ohiensis, PA Ecotype	Ohio Spiderwort, PA Ecotype	192.0
0.20 %	Oenothera fruticosa var. fruticosa	Sundrops	360.0
0.20 %	Solidago nemoralis, PA Ecotype	Gray Goldenrod, PA Ecotype	336.0
0.10 %	Aster prenanthoides, PA Ecotype	Zigzag Aster, PA Ecotype	432.0
0.10 %	Veronicastrum virginicum, PA Ecotype	Culver's Root, PA Ecotype	768.0
00.00 %		Mix Price/lb Bulk:	\$38.4

Seeding Rate: Seed with 30 lbs/acre of a cover crop. For a

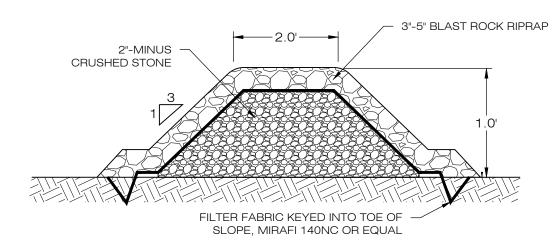
cover crop use either grain oats (1 Jan to 31 Jul) or grain rye (1 Aug to 31 Dec).

-SPILLWAY WIDTH TOP OF BERM -- 6" LOAM & SEED (TYP.) 1:1 MAX./ **--**2'±--SPILLWAY ELEVATION -COMPACTED

EARTH CORE SECTION A-A' THROUGH SPILLWAY ┌VARIES (SEE PLAN) TOP OF BERM SPILLWAY ELEVATION 3:1 MAX. BOTTOM OF BASIN (TYP.) - EXTEND RIP RAP TO UNDISTURBED GROUND COMPACTED EARTH CORE

OVERFLOW WEIR DETAIL

FILTER FABRIC UNDER STONE (MIRAFI 140N OR EQUAL)



NOTES:

TOP ANTI-CLIMB LIP COULD ALSO ANGLE DOWNWARD

TOP "ANTI-CLIMB" LIP FOLDED

ANIMEX® AMX 40

INSTALLED BARRIER HEIGHT 22in / 550mm

— FIXTURES & FITTINGS (SPACING & ATTACHMENT VARIABLE)

SIDE TO BE ENCOUNTERED BY ANIMALS

- BOTTOM "ANTI-DIG"LIP FOLDED IN TRENCH

SECTION VIEW

NOT TO SCALE

4in / 100mm

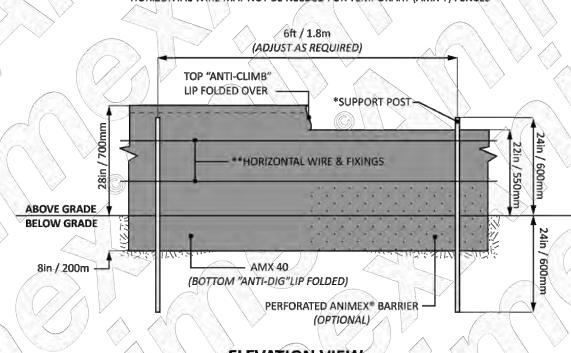
*SUPPORT POST-

ABOVE GRADE

- 1. STONE SHALL BE PLACED MECHANICALLY OR BY HAND. STONE SHALL
- NOT BE DUMPED DIRECTLY INTO SWALE. 2. SEE GRADING AND DRAINAGE PLAN.

STONE CHECK DAM

*SUPPORT POSTS & HORIZONTAL WIRE MAY NOT BE NEEDED FOR PREFORMED METAL (AMX-XP) FENCES **HORIZONTAL WIRE MAY NOT BE NEEDED FOR TEMPORARY (AMX-T) FENCES



ELEVATION VIEW

NOT TO SCALE

ANIMAL EXCLUSION FENCING





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