

CP NB SOLAR I & II, LLC

"SUNFLOWER SOLAR"

127 FOREST ROAD NORTH BRANFORD, CT 06472

LIST OF DRAWINGS

- T-1 TITLE SHEET & INDEX
- 1 OF 1 EXISTING CONDITIONS PLAN PROVIDED BY NAFIS & YOUNG ENGINEERS, INC.
- 1 OF 1 ALTA/NSPS LAND TITLE SURVEY PROVIDED BY NAFIS & YOUNG ENGINEERS, INC.
- GN-1 SITE NOTES
- GN-2 SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
- OP-1 OVERALL LOCUS MAP
- EC-1 SEDIMENTATION & EROSION CONTROL NOTES
- EC-2 SEDIMENTATION & EROSION CONTROL DETAILS
- EC-3 SEDIMENTATION & EROSION CONTROL DETAILS
- EC-4 PHASE 1 SEDIMENTATION & EROSION CONTROL PLAN
- EC-5 PHASE 2 SEDIMENTATION & EROSION CONTROL PLAN
- GP-1 FINAL GRADING & DRAINAGE PLAN
- SP-1 SITE & UTILITY PLAN
- DN-1 SITE DETAILS
- PR-1 DRIVEWAY PLAN & PROFILE & DETAILS

SITE INFORMATION

SITE NAME: "SUNFLOWER SOLAR"

LOCATION: 127 FOREST ROAD
NORTH BRANFORD, CT 06472

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

PROPERTY OWNER: WHAT TF LLC
218 FOXON ROAD
EAST HAVEN, CT 06513

APPLICANT: CP NB SOLAR I & II, LLC
55 GREEN FARMS RD, SUITE 200-78
WESTPORT, CT 06880

ENGINEER CONTACT: KEVIN A MCCAFFERY, P.E.
(860) 663-1697 x228

LATITUDE: 41°20'33.52" N
LONGITUDE: 72°48'07.66" W
ELEVATION: 82± AMSL

MBLU: 36C-16
ZONE: R-40
EXISTING LAND USE: AGRICULTURAL
PROPOSED LAND USE: COMMUNICATIONS, TRANSPORTATION AND PUBLIC UTILITY USES
- LARGE SCALE GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS

TOTAL SITE ACREAGE: 19.678± AC.
TOTAL DISTURBED AREA: 9.96± AC.

ACCESS ROAD:
APPROX. VOLUME OF CUT: 0± CY
APPROX. VOLUME OF FILL: 642± CY
APPROX. NET VOLUME: 642± CY OF FILL

WATER QUALITY VOLUME ("WQV") BASIN:
APPROX. VOLUME OF CUT: 572± CY
APPROX. VOLUME OF FILL: 313± CY
APPROX. NET VOLUME: 259± CY OF CUT

TEMPORARY SEDIMENT BASIN:
APPROX. VOLUME OF CUT: 1633± CY
APPROX. VOLUME OF FILL: 320± CY
APPROX. NET VOLUME: 1313± CY OF CUT

USGS TOPOGRAPHIC MAP



SCALE: 1" = 2000' SOURCE: NRCS NEW HAVEN CT DIGITAL RASTER GRAPHIC COUNTY MOSAIC, 2001



2200 ATLANTIC STREET,
6TH FLOOR
STAMFORD, CT 06902



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

CSC PERMIT SET

NO	DATE	REVISION
0	03/03/21	FOR REVIEW: BJP
1	04/21/21	CSC INTERROGATORIES: BJP
2	09/03/20	FOR SWPCP: BJP
3	06/22/21	DEEP COMMENTS: KAM
4	08/11/21	CTDOT COMMENTS: KAM
5	10/08/21	CSC D&M PLANS: KAM
6		

DESIGN PROFESSIONAL OF RECORD

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

OWNER: WHAT TF LLC

ADDRESS: 218 FOXON ROAD
EAST HAVEN, CT 06513

SUNFLOWER SOLAR

SITE 127 FOREST ROAD
ADDRESS: NORTH BRANFORD, CT 06472

APT FILING NUMBER: CT567130

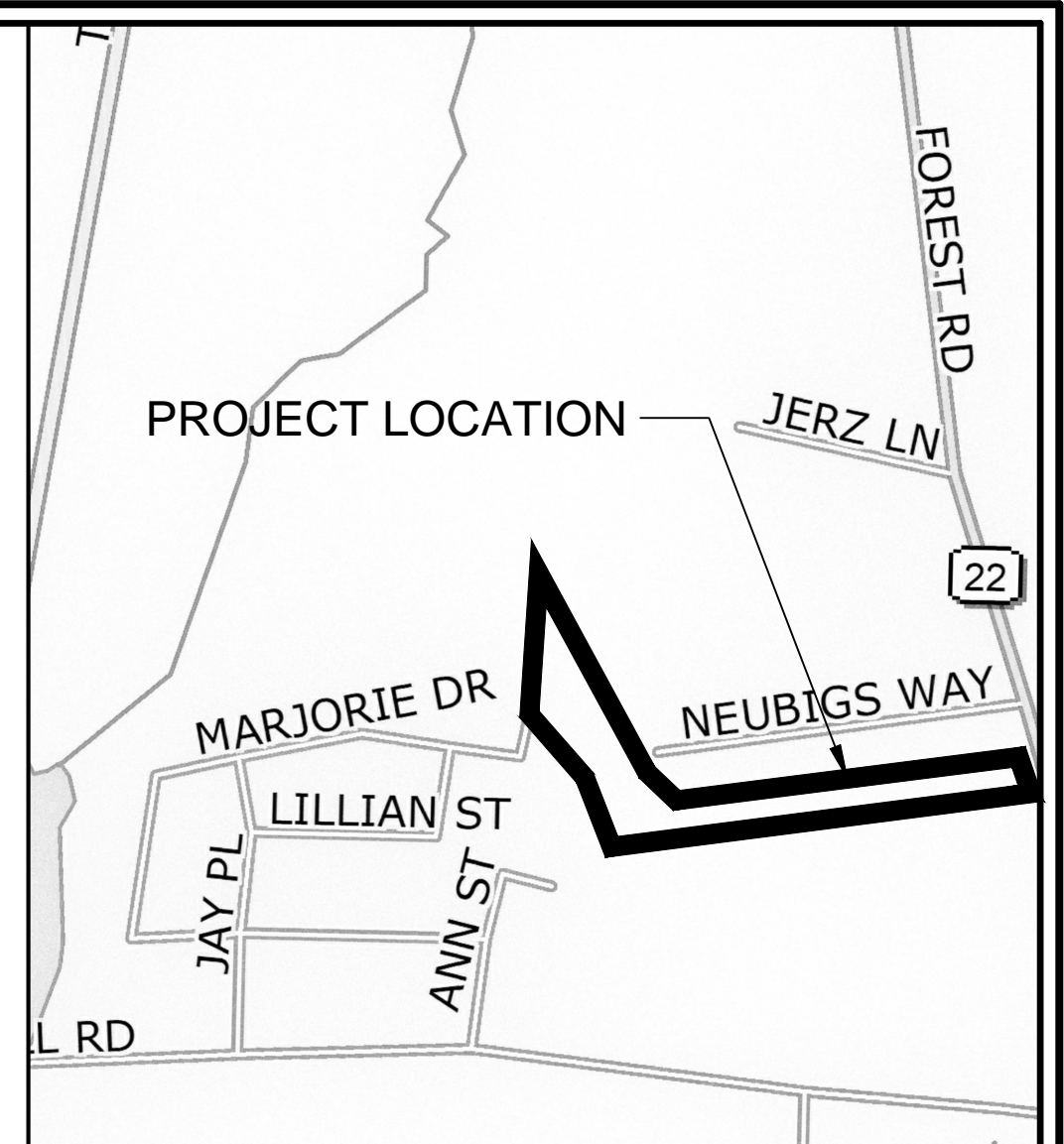
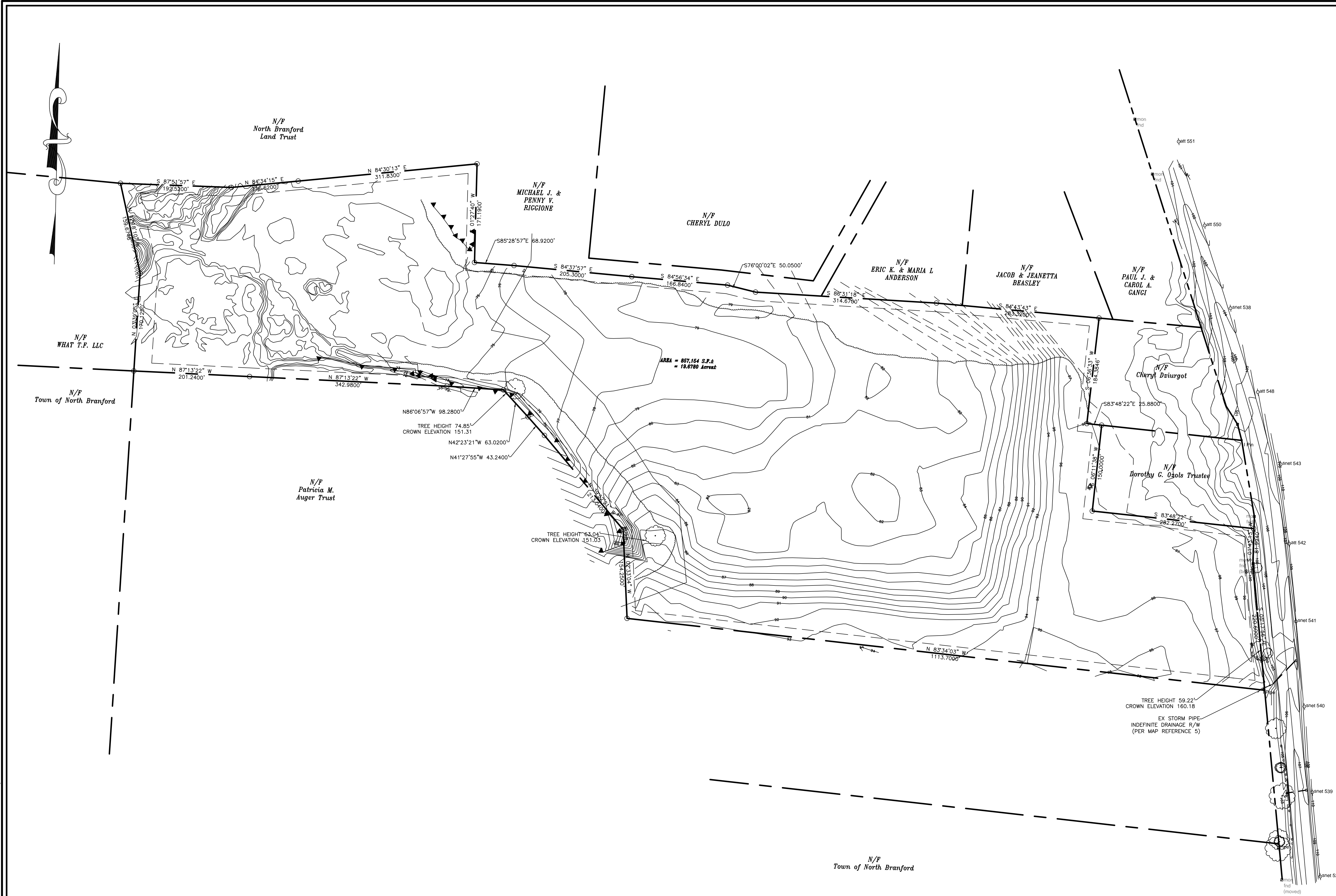
DATE: 03/03/21
DRAWN BY: JT
CHECKED BY: KAM

SHEET TITLE:
TITLE SHEET & INDEX

SHEET NUMBER:

T-1





LEGEND:

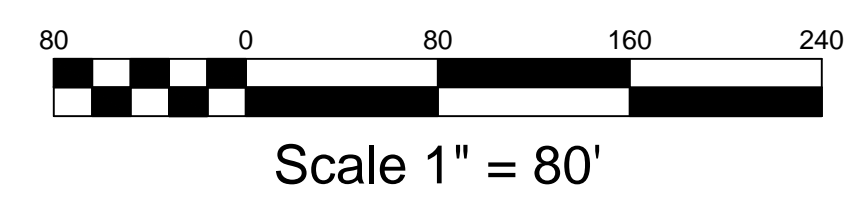
	STREET LINE
	PROPERTY LINE
	WETLANDS BOUNDARY
	IRON PIN
	IRON PIPE
	EDGE OF CLEARED AREA
	GUARD RAIL
	UTILITY POLE
	CATCH BASIN
	EXISTING TREE
	MONUMENT
	CONTOURS (SURVEY)
	CONTOURS (LIDAR)
	EX STORM PIPE

LOCATION AND ELEVATION OF UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED IS UNKNOWN AND SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION

ANY USE OR REUSE OF ORIGINAL OR ALTERED CAD DESIGN MATERIALS BY THE CLIENT, CONTRACTOR OR OTHER PARTIES WITHOUT THE REVIEW AND WRITTEN APPROVAL OF AN AUTHORIZED REPRESENTATIVE OF NAFIS & YOUNG ENGINEERS, INC. SHALL BE AT THE SOLE RISK OF CLIENT, CONTRACTOR, OR OTHER PARTY AGREES TO DEFEND, INDEMNIFY, AND HOLD NAFIS & YOUNG ENGINEERS, INC. HARMLESS FROM ALL CLAIMS, INJURIES, DAMAGES, LOSSES, EXPENSES AND ATTORNEY'S FEES ARISING OUT OF THE MODIFICATION OR REUSE OF THESE MATERIALS.

- REFERENCES:**
- "Resubdivision Map, Big Meadows, Section 2, Sheets 1-3." Dated July 24, 1987, Scale 1" = 40', By United International Corporation, On file Town Clerk's Office as maps 13-30 A-C.
 - "Augur Property, #105 Mill Rd-Dependent Property Survey" Dated April 10th, 1995, Scale 1" = 100', By Crisculo-Shepard Associates, PC, On file in Town Clerks Office as map 16-34
 - "Country Estates Subdivision, Owner Nancy Spezzano" Dated July 10th, 1973, Scale 1" = 20', By Arthur W. Syogren, On file in Town Clerks Office as map 7-25
 - "North Branford Estates, Sections 1 & 2, Owned and Developed by North Branford Estates, Located on Mill rd North Branford Conn" Dated June 26th 1956, Scale 1" = 60' & 1" = 100', By M.R. Moody, On file in Town Clerks office
 - "Connecticut State Highway Department, Right of Way Map, Town of North Branford, Forest Rd, From Mill Rd Northerly to Augur rd Route Number 139 98-09" Dated January 31st, 1938, Scale 1" = 40', By C.B.S.

- SURVEY NOTES:**
- This survey and map have been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a PROPERTY SURVEY and DATA ACCUMULATION PLAN based on a DEPENDENT RESURVEY conforming to Horizontal Accuracy Class "A-2" and is intended to be used for a Property Survey.
 - Property is located in R-40 zoning district
 - Topographic accuracy class "T-2"



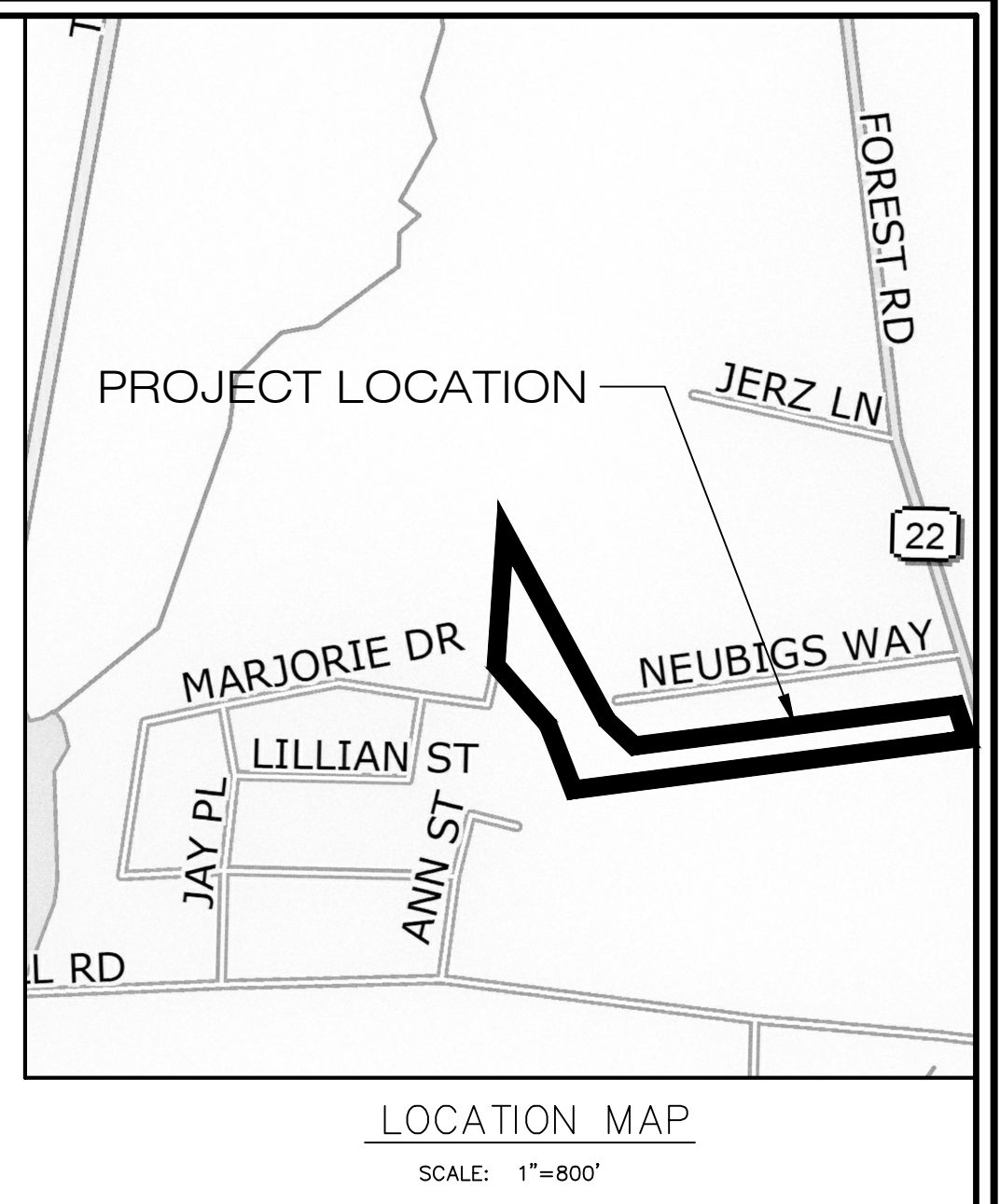
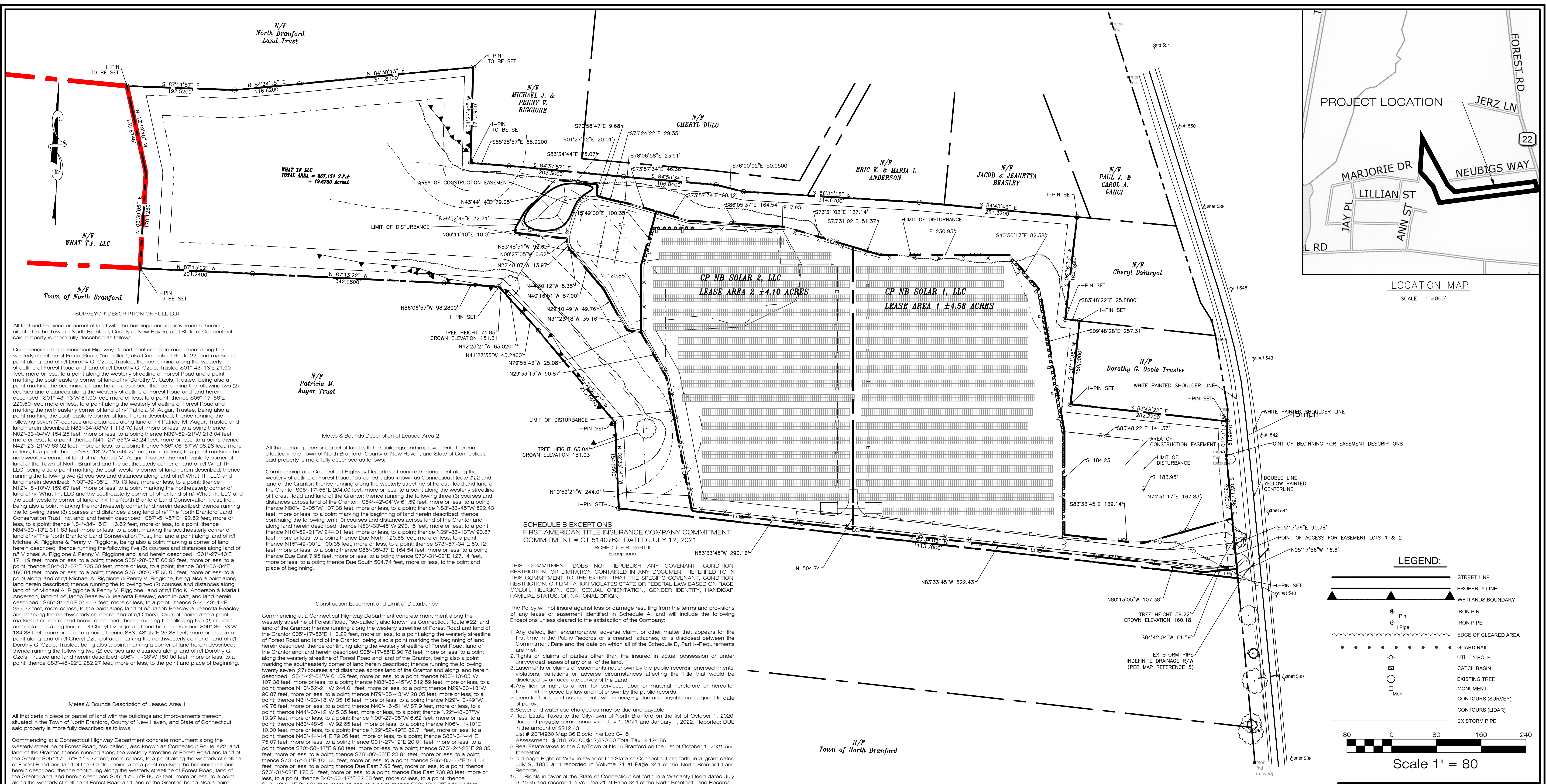
**127 FOREST ROAD
NORTH BRANFORD,
CONNECTICUT**

PREPARED FOR: CITRINE POWER LLC 55 GREEN FARMS RD WESTPORT CT	PROPERTY OWNER: WHAT TF LLC 218 FOXON RD EAST HAVEN CT
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EXISTING CONDITIONS

**NAFIS & YOUNG
ENGINEERS, INC.**
1355 Middletown Avenue
Northford, Connecticut 06472
Phone: (203) 484-2793
Fax: (203) 484-7343
Email: nyeng@nafisandyoung.com

DATE: JANUARY 14, 2021 REV: FEBRUARY 03, 2021	JOB NO. 2020-100	SHEET NO. 01
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Metes & Bounds Description of Full Lot

Metes & Bounds Description of Leased Area 1

Metes & Bounds Description of Leased Area 2

Metes & Bounds Description of Leased Area 1

Metes & Bounds Description of Leased Area 2

Metes & Bounds Description of Leased Area 1

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Metes & Bounds Description of Leased Area 1

Metes & Bounds Description of Leased Area 2

SCHEDULE B EXCEPTIONS

FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT

COMMITTMENT # CT 5140762, DATED JULY 12, 2021

SCHEDULE B, PART II

Exceptions

THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.

The Policy will not insure against loss or damage resulting from the terms and provisions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

- 1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I-Requirements are met.
2. Rights or claims of parties other than the insured in actual possession or under unrecorded leases of any or all of the land.
3. Easements or claims of easements not shown by the public records, encroachments, violations, variations or adverse circumstances affecting the Title that would be disclosed by an accurate survey of the Land.
4. Any lien or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.
5. Liens for taxes and assessments which become due and payable subsequent to date of policy.
6. Sewer and water use charges as may be due and payable.
7. Real Estate Taxes to the City/Town of North Branford on the list of October 1, 2020, due and payable semi-annually on July 1, 2021 and January 1, 2022. Reported: DUE in the amount of \$212.43
List # 20R4960 Map/36 Block: n/a Lot C-16
Assessment: \$ 318,700.00/\$12,820.00 Total Tax: \$ 424.86
8. Real Estate taxes to the City/Town of North Branford on the List of October 1, 2021 and thereafter.
9. Drainage Right of Way in favor of the State of Connecticut set forth in a grant dated July 9, 1935 and recorded in Volume 21 at Page 344 of the North Branford Land Records.
10. Rights in favor of the State of Connecticut set forth in a Warranty Deed dated July 9, 1935 and recorded in Volume 21 at Page 344 of the North Branford Land Records.
11. Assessor's Certificate dated January 31, 2011 and recorded in Volume 440 at Page 26 of the North Branford Land Records.
12. Intentionally omitted.
13. Assessor's Certificate dated December 23, 2014 and recorded in Volume 472 at Page 1003 of the North Branford Land Records.
14. Intentionally omitted.
15. The current vesting deed does not contain a legal description for the premises, nor is it shown on any map found of record. The above legal description has been compiled by deeds found in the chain of title. A survey is recommended.
16. Intentionally omitted.
17. Memorandum of Solar Site Lease Agreement by and between CP NB Solar I, LLC (Lessee) and What TF LLC (Landlord) dated June 16, 2021 and recorded in Volume 526 at Page 812 of the North Branford Land Records.
18. Memorandum of Solar Site Lease Agreement by and between CP NB Solar II, LLC (Lessee) and What TF LLC (Landlord) dated June 16, 2021 and recorded in Volume 526 at Page 822 of the North Branford Land Records.

NOTES: - The Farm exemption shown on the above Assessor's Certificates no longer accurately reflects the acreage of the parcel after the most recent lot split.

REFERENCES:

- 1. "Resubdivision Map, Big Meadows, Section 2, Sheets 1-3" Dated July 24, 1987, Scale 1" = 40'. By United International Corporation, On file Town Clerk's Office as map 13-30 A-C.
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N/F Town of North Branford

LEGEND:

- STREET LINE
PROPERTY LINE
WETLANDS BOUNDARY
IRON PIN
IRON PIPE
EDGE OF CLEARED AREA
GUARD RAIL
UTILITY POLE
CATCH BASIN
EXISTING TREE
MONUMENT
CONTOURS (SURVEY)
CONTOURS (LOADR)
EX STORM PIPE



Scale 1" = 80'

127 FOREST ROAD NORTH BRANFORD, CONNECTICUT

PREPARED FOR: CITRINE POWER LLC, 55 GREEN FARMS RD, WESTPORT CT
PROPERTY OWNER: WHAT TF LLC, 218 FOXON RD, EAST HAVEN CT

ALTAN/NSPS LAND TITLE SURVEY

ALTAN/NSPS LAND TITLE SURVEY
1355 Middletown Avenue
Northford, Connecticut 06472
Phone: (203) 484-2793
Fax: (203) 484-7343
Email: nyeng@nafisandyoung.com

DATE: JULY 26, 2021
REV: AUGUST 12, 2021
REV: OCTOBER 5, 2021
JOB NO. 2020-100 SHEET NO. 01

CERTIFICATE

I hereby certify to First American Title Insurance Company, Citrine Power Company LLC, CP NB Solar I, LLC and CP NB Solar II, LLC, Atlas power Inc. and each of their respective successors and/or assigns that this survey was actually made upon the ground on June 6th, 2021, and (a), that this survey and the bounds and measurements shown hereon or correct within the Standards of Class A-2 of the Code of Recommended Practice for Accuracy of Survey and Maps; (b), the title lines and lines of actual possession are the same; (c), all buildings and improvements are located as shown, are erected entirely within the property lines, and do not encroach over or upon the street, title or building lines or any rights of way or easements on or appurtenant to the property; (d), there are no utility or other easements or rights of way affecting this property other than those shown hereon; (e), there are no encroachments or projections on or over the property or on rights of way or easements appurtenant to the same by building and improvements erected on adjacent lands; and (f), that the building and improvements on this property do not violate any building or zoning regulations, covenant deed restriction or other regulation or requirement relating to the location thereof.

DAVID L. NAFIS, L.S. #22924

Vertical text on the left margin: 010-202-46-0101, NAFIS & YOUNG ENGINEERS, INC., 1355 MIDDLETOWN AVENUE, NORTHFORD, CONNECTICUT 06472, TEL: (203) 484-2793, FAX: (203) 484-7343, WWW.NAFISANDYOUNG.COM

GENERAL NOTES

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

SITE PLAN NOTES

- THE SURVEY WAS PROVIDED BY NAFIS & YOUNG ENGINEERS, INC. DATED FEBRUARY 03, 2021.
- THERE ARE WETLANDS LOCATED ON THE SITE AS INDICATED ON THE PLANS. WETLANDS BOUNDARIES WERE FLAGGED AND LOCATED BY ALL-POINTS TECHNOLOGY CORPORATION, ON OCTOBER 2020.
- THERE WILL BE MINIMAL GRADING ON SITE ASSOCIATED WITH THE ACCESS DRIVE AND TEMPORARY EROSION AND SEDIMENT CONTROLS.
- THE CONTRACTOR SHALL FOLLOW THE RECOMMENDED SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN OR SUBMIT AN ALTERNATE PLAN FOR APPROVAL BY THE ENGINEER AND/OR PERMITTING AGENCIES PRIOR TO THE START CONSTRUCTION. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
- PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR WETLANDS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. IN ADDITION, THE CONTRACTOR SHALL ADHERE TO "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY GOVERNMENT AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
- ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK, SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
- ALL DISTURBANCE INCURRED TO PUBLIC, MUNICIPAL, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF NORTH BRANFORD AND STATE OF CONNECTICUT.
- IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT.

UTILITY NOTES

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

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



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CSC PERMIT SET

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6		

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SUNFLOWER SOLAR

SITE 127 FOREST ROAD
ADDRESS: NORTH BRANFORD, CT 06472

APT FILING NUMBER: CT567130

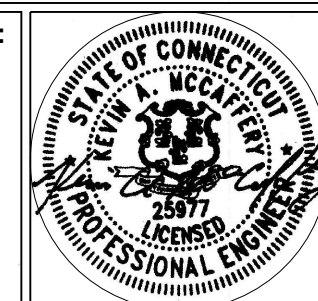
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SHEET TITLE:

SITE NOTES

SHEET NUMBER:

GN-1



SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

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 TO AVOID POSSIBLE IMPACT TO NEARBY HABITATS.

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

THE FOLLOWING PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING RESTRICTIONS AND SPILL RESPONSE PROCEDURES WILL BE ADHERED TO BY THE CONTRACTOR.

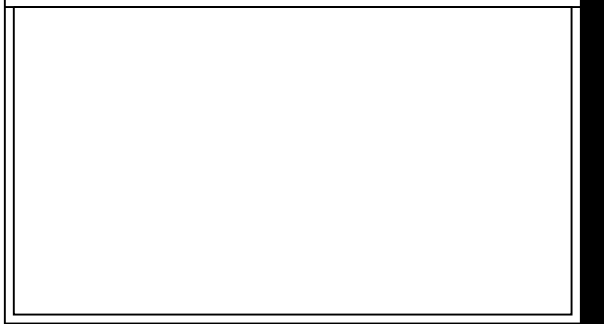
1. PETROLEUM AND HAZARDOUS MATERIALS STORAGE AND REFUELING
 - A. REFUELING OF VEHICLES OR MACHINERY SHALL OCCUR WITHIN THE CONSTRUCTION LAYDOWN AREA ONLY AND SHALL TAKE PLACE ON AN IMPERVIOUS PAD WITH SECONDARY CONTAINMENT DESIGNED TO CONTAIN FUELS. THIS AREA IS GREATER THAN 100' FROM A WETLAND
 - B. 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.
2. INITIAL SPILL RESPONSE PROCEDURES
 - A. STOP OPERATIONS AND SHUT OFF EQUIPMENT.
 - B. REMOVE ANY SOURCES OF SPARK OR FLAME.
 - C. CONTAIN THE SOURCE OF THE SPILL.
 - D. DETERMINE THE APPROXIMATE VOLUME OF THE SPILL.
 - E. IDENTIFY THE LOCATION OF NATURAL FLOW PATHS TO PREVENT THE RELEASE OF THE SPILL TO SENSITIVE NEARBY WATERWAYS OR WETLANDS.
 - F. ENSURE THAT FELLOW WORKERS ARE NOTIFIED OF THE SPILL.
3. SPILL CLEAN UP & CONTAINMENT
 - A. OBTAIN SPILL RESPONSE MATERIALS FROM THE ON-SITE SPILL RESPONSE KIT. PLACE ABSORBENT MATERIALS DIRECTLY ON THE RELEASE AREA.
 - B. LIMIT THE SPREAD OF THE SPILL BY PLACING ABSORBENT MATERIALS AROUND THE PERIMETER OF THE SPILL.
 - C. ISOLATE AND ELIMINATE THE SPILL SOURCE.
 - D. CONTACT THE APPROPRIATE LOCAL, STATE AND/OR FEDERAL AGENCIES, AS NECESSARY.
 - E. CONTACT A DISPOSAL COMPANY TO PROPERLY DISPOSE OF CONTAMINATED MATERIALS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
4. REPORTING
 - A. COMPLETE AN INCIDENT REPORT.
 - B. NOTIFY REGIONAL WATER AUTHORITY CONTROL ROOM AT 203-401-2629 (STAFFED 24/7) AND DAMIAN SOTER WITH PFISTER ENERGY INC. AT 860-982-7488.
 - C. SUBMIT A COMPLETED INCIDENT REPORT TO THE APPROPRIATE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION, REGIONAL WATER AUTHORITY, MUNICIPAL OFFICIAL, CONNECTICUT SITING COUNCIL AND OTHER APPLICABLE LOCAL, STATE AND FEDERAL OFFICIALS.



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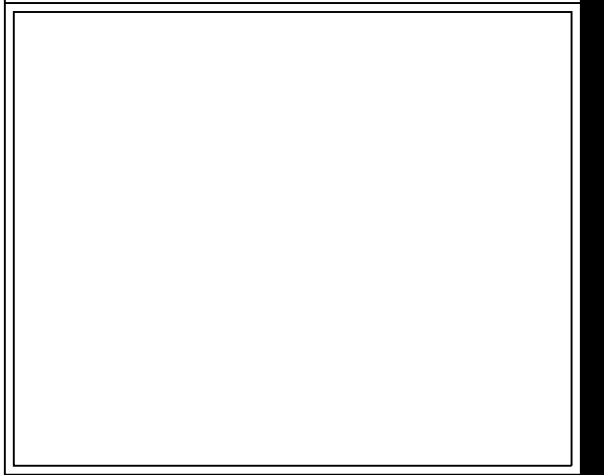


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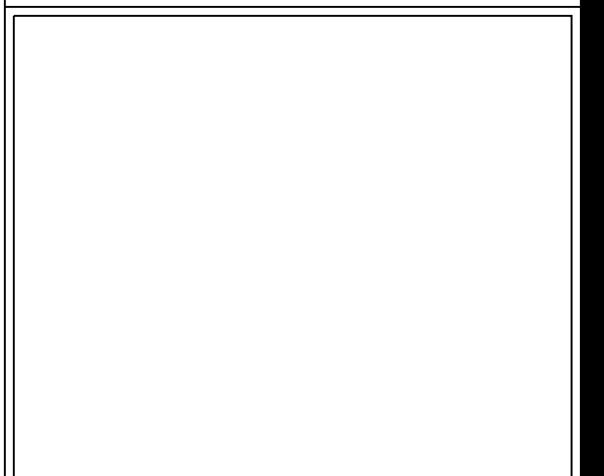


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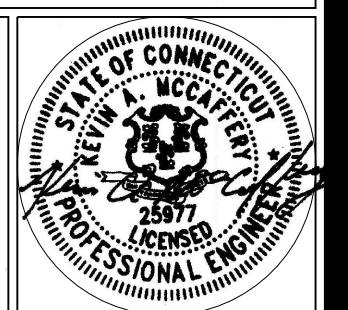
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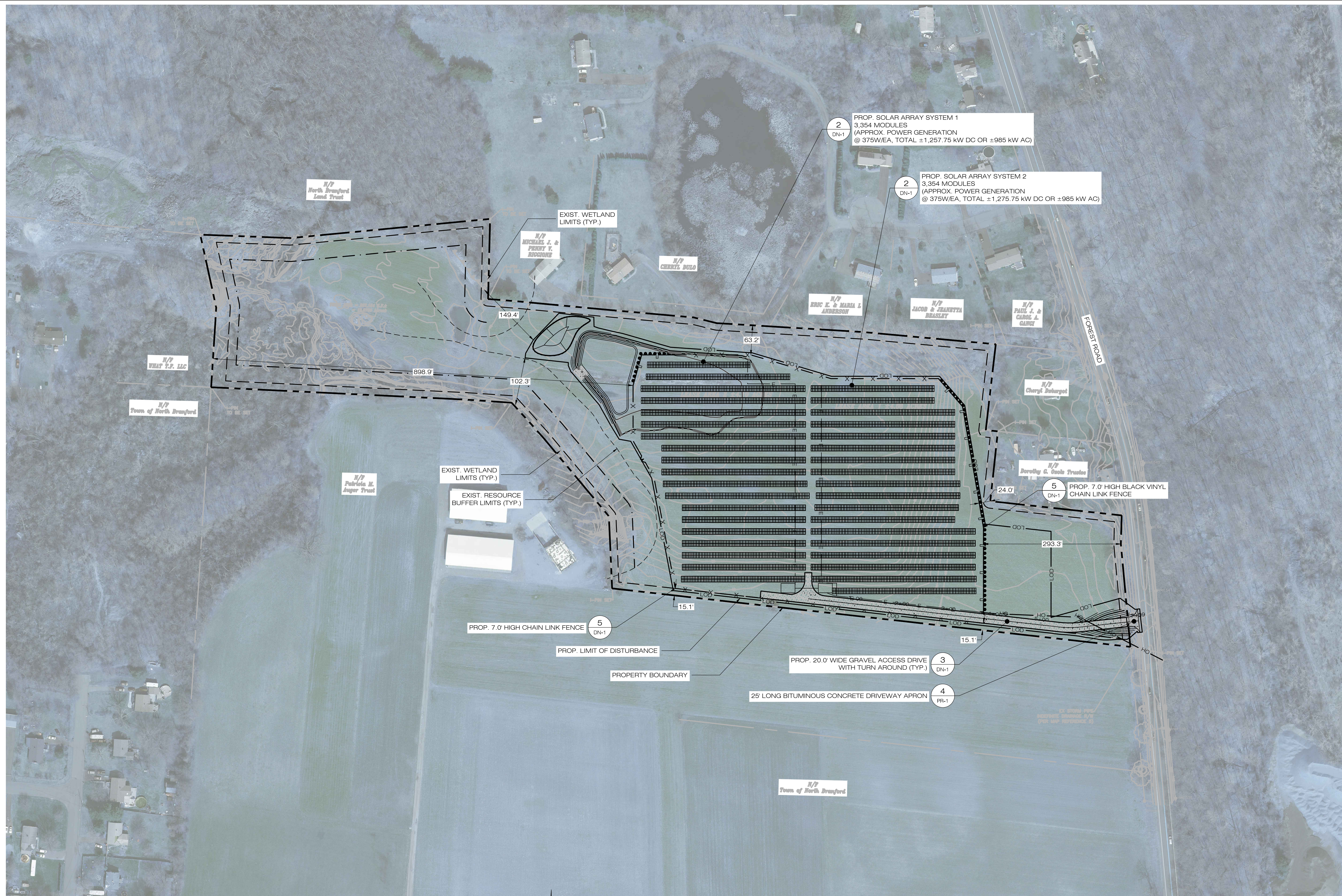
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SHEET TITLE:
**SPILL PREVENTION
CONTROL AND
COUNTERMEASURE PLAN**

SHEET NUMBER:

GN-2





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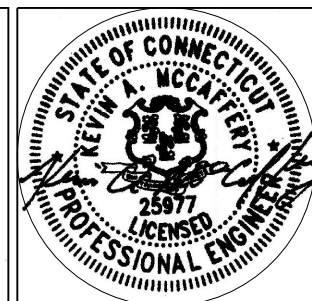
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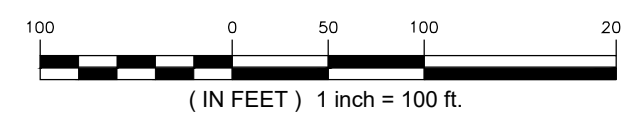
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SHEET TITLE:
OVERALL LOCUS MAP

SHEET NUMBER:
OP-1



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



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 NORTH BRANFORD PERMITTEE, AND/OR SWPCP MONITOR. ALL PERIMETER SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- THESE DRAWINGS ARE ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL MEASURES FOR THIS SITE. SEE CONSTRUCTION SEQUENCE FOR ADDITIONAL INFORMATION. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN ARE SHOWN AS REQUIRED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL EROSION CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO STORM DRAINAGE SYSTEMS AND/OR WATERCOURSES. ACTUAL SITE CONDITIONS OR SEASONAL AND CLIMATIC CONDITIONS MAY WARRANT ADDITIONAL CONTROLS OR CONFIGURATIONS, AS REQUIRED, AND AS DIRECTED BY THE PERMITTEE AND/OR SWPCP MONITOR. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
- A BOND OR LETTER OF CREDIT MAY BE REQUIRED TO BE POSTED WITH THE GOVERNING AUTHORITY FOR THE EROSION CONTROL INSTALLATION AND MAINTENANCE.
- THE CONTRACTOR SHALL APPLY THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN IN CONJUNCTION WITH CONSTRUCTION SEQUENCING, SUCH THAT ALL ACTIVE WORK ZONES ARE PROTECTED. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, SITE ENGINEER, MUNICIPAL OFFICIALS, OR ANY GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR INSTALLED SEDIMENTATION AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS WEEKLY AND WITHIN 24 HOURS OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCHES OR GREATER TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS AS NECESSARY IN A TIMELY MANNER.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (SILT FENCE, COMPOST FILTER SOCK, EROSION CONTROL BLANKET, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.
- ALL FILL MATERIAL PLACED ADJACENT TO ANY WETLAND AREA SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN MAXIMUM ONE FOOT LIFTS, AND SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.
- PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING, ORANGE SAFETY FENCE, CONSTRUCTION TAPE, OR EQUIVALENT FENCING/TAPE. ANY LIMB TRIMMING SHOULD BE DONE AFTER CONSULTATION WITH AN ARBORIST AND BEFORE CONSTRUCTION BEGINS IN THAT AREA. FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.
- CONSTRUCTION ENTRANCES (ANTI-TRACKING PADS) SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF ALL CONSTRUCTION IF REQUIRED. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED. CONTRACTOR SHALL ENSURE THAT ALL VEHICLES EXITING THE SITE ARE PASSING OVER THE ANTI-TRACKING PADS PRIOR TO EXISTING.
- ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SEDIMENT BARRIER UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE BARRIER.
- NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS. ALL SLOPES SHALL BE SEEDED AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE CONFORMING TO THE GUIDELINES WITHIN THE APPROVED LIMIT OF DISTURBANCE IF REQUIRED. DISCHARGE TO STORM DRAINS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR AND APPROVED BY THE PERMITTEE OR MUNICIPALITY.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES AND SECURED APPROPRIATELY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE/CONTAINMENT.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDING WITH TACKIFIER.
- SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAYS DAMP. CALCIUM CHLORIDE MAY ALSO BE APPLIED TO ACCESS ROADS. DUMP TRUCK LOADS EXITING THE SITE SHALL BE COVERED.
- VEGETATIVE ESTABLISHMENT SHALL OCCUR ON ALL DISTURBED SOIL, UNLESS THE AREA IS UNDER ACTIVE CONSTRUCTION, IT IS COVERED IN STONE OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES SHALL BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.
- MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP CONCRETE PADS, CLEAN THE STORMWATER MANAGEMENT SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM PERMITTEE OR THE MUNICIPALITY.
- THE SITE WAS DESIGNED TO COMPLY WITH FEDERAL, STATE, AND, IF APPLICABLE, LOCAL STANDARDS, PLUS CURRENT ACCEPTED PRACTICES FOR THE INDUSTRY. ADDITIONAL CONTROLS AND ACTIVITIES MAY BE DEEMED NECESSARY BY THE SWPCP MONITOR DURING CONSTRUCTION AS A RESULT OF UNFORESEEN CONDITIONS AND/OR MEANS AND METHODS. SUCH ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: ADDITIONAL FOREBAYS, BASINS, OR UPSTREAM STRUCTURAL CONTROLS, THE USE OF FLOCCULANTS OF FLOCK LOGS TO DECREASE SEDIMENT, DISCHARGE MANAGEMENT SUCH AS ADDITIONAL ARMORING AND FILTERING MEASURES (I.E. STRAW BALES, WATTLES, ETC.), AND HYDROSEEDING WITH RAPIDLY GERMINATING SEED.
- SEEDING MIXTURES SHALL BE ERNST SOLAR FARM SEED MIX (ERNMX-186) (SEE SITE DETAILS SHEET DN-1), OR APPROVED EQUAL BY OWNER.

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

SEDIMENT & EROSION CONTROL NARRATIVE

- THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING THE CLEARING, GRUBBING AND GRADING OF APPROXIMATELY 9.96± ACRES OF EXISTING LOT.

THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

- CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
 - CONSTRUCTION OF 6,708 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
 - THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
- FOR THIS PROJECT, THERE ARE APPROXIMATELY 9.96± ACRE OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE, AS ALL ACCESS THROUGH THE SITE WILL BE GRAVEL. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT.
 - THE PROJECT SITE, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 18, DEC 6, 2018), CONTAINS TYPE 37C (HYDROLOGIC SOIL GROUP A), 30A (HYDROLOGIC SOIL GROUP B), AND 303 (NO HYDROLOGIC SOIL GROUP RATING). A GEOTECHNICAL ENGINEERING REPORT HAS BEEN COMPLETED BY GEOINSIGHT, DATED NOVEMBER 25, 2020.
 - IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 3-4 MONTHS.
 - REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.
 - STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2004 CONNECTICUT STORMWATER QUALITY MANUAL AND THE TOWN OF NORTH BRANFORD STANDARDS, TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGEMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, LATEST EDITION.
 - DETAILS FOR THE TYPICAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON THE PLAN SHEETS OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.
 - CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:
 - STAGED CONSTRUCTION;
 - MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;
 - STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;
 - MINIMIZE IMPERVIOUS AREAS;
 - UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
 - THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
 - STORMWATER MANAGEMENT REPORT DATED MARCH 2021.
 - SWPCP DATED MARCH 2021.

SUGGESTED CONSTRUCTION SEQUENCE

THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. THE CONTRACTOR MAY ELECT TO ALTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE, THE EXISTING SITE ACTIVITIES AND WEATHER CONDITIONS. SHOULD THE CONTRACTOR ALTER THE CONSTRUCTION SEQUENCE OR ANY EROSION AND SEDIMENTATION CONTROL MEASURES THEY SHALL MODIFY THE STORMWATER POLLUTION CONTROL PLAN ("SWPCP") AS REQUIRED BY THE GENERAL PERMIT. MAJOR CHANGES IN SEQUENCING AND/OR METHODS MAY REQUIRE REGULATORY APPROVAL PRIOR TO IMPLEMENTATION.

- THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING. PHYSICALLY FLAG THE LIMITS OF DISTURBANCE IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
- CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROPOSED WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY THE OWNER, THE OWNER'S REPRESENTATIVE(S), REPRESENTATIVE OF THE CONSERVATION DISTRICT, THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION, OPERATION, MONITORING AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
- NOTIFY CALL BEFORE YOU DIG AT 1-800-922-4455, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.

PHASE 1

- REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL CLEARING AND GRUBBING TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCES.
- INSTALL PERIMETER EROSION CONTROL.
- INSTALL TEMPORARY SEDIMENT BASIN (TSB-1). UPON COMPLETION OF THE INSTALLATION AND STABILIZATION OF THE BASIN, WITH SIGNOFF FROM THE ENGINEER AND REPRESENTATIVE FROM THE CONSERVATION DISTRICT, PHASE 2 WORK UP GRADIENT CAN PROCEED.

PHASE 2

- INSTALL ELECTRICAL CONDUIT.
- INSTALL RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS.
- INSTALL GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION.
- AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK, INCLUDING ANY REQUIRED LANDSCAPE SCREENING, AND STABILIZE ALL DISTURBED AREAS.
- FINE GRADE, RAKE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.
- AFTER THE SITE IS DEEMED TO HAVE ACHIEVED FINAL STABILIZATION AND WITH THE APPROVAL OF THE PERMITTEE, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS AND CLEAN AND CONVERT TEMPORARY SEDIMENT BASIN TO PERMANENT STORMWATER WATER QUALITY VOLUME BASIN. ANY AREAS DISTURBED DURING CLEAN UP SHALL BE PERMANENTLY SEEDED.
- THE SITE SHALL BE MONITORED ONCE A MONTH FOR TWO FULL GROWING SEASONS (APRIL - OCTOBER).
- ISSUE NOTICE OF TERMINATION UPON COMPLETION OF MONITORING REQUIRED PER APPENDIX I.



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

CSC PERMIT SET

NO	DATE	REVISION
0	03/03/21	FOR REVIEW: BJP
1	04/21/21	CSC INTERROGATORIES: BJP
2	09/03/20	FOR SWPCP: BJP
3	06/22/21	DEEP COMMENTS: KAM
4	08/11/21	CTDOT COMMENTS: KAM
5	10/08/21	CSC D&M PLANS: KAM
6		

DESIGN PROFESSIONAL OF RECORD

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

OWNER: WHAT TF LLC

ADDRESS: 218 FOXON ROAD
EAST HAVEN, CT 06513

SUNFLOWER SOLAR

SITE 127 FOREST ROAD
ADDRESS: NORTH BRANFORD, CT 06472

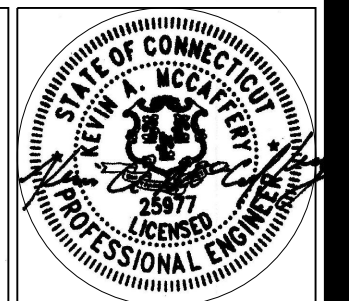
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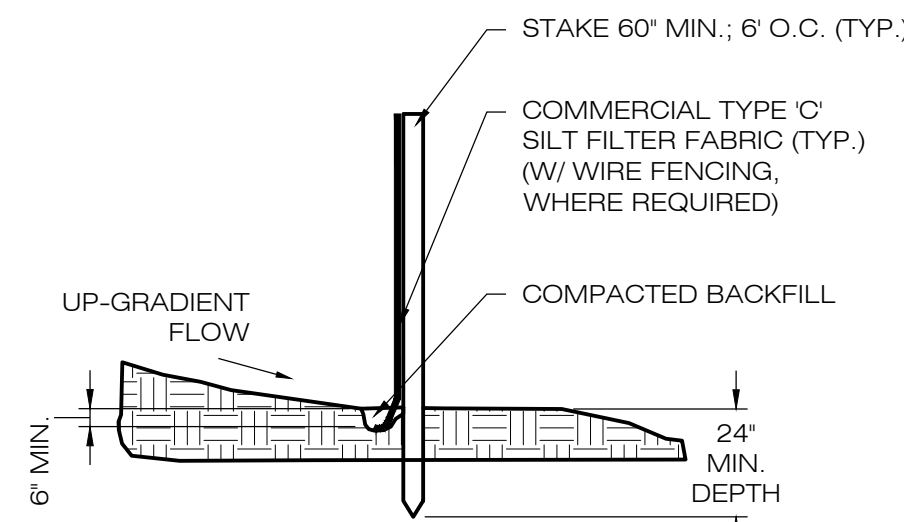
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DATE: 03/03/21 CHECKED BY: KAM

SHEET TITLE:
SEDIMENTATION & EROSION CONTROL NOTES

SHEET NUMBER:

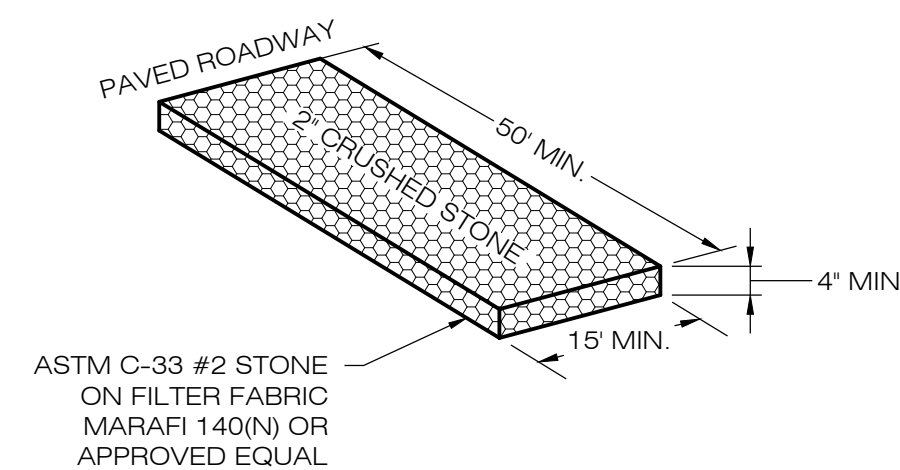
EC-1



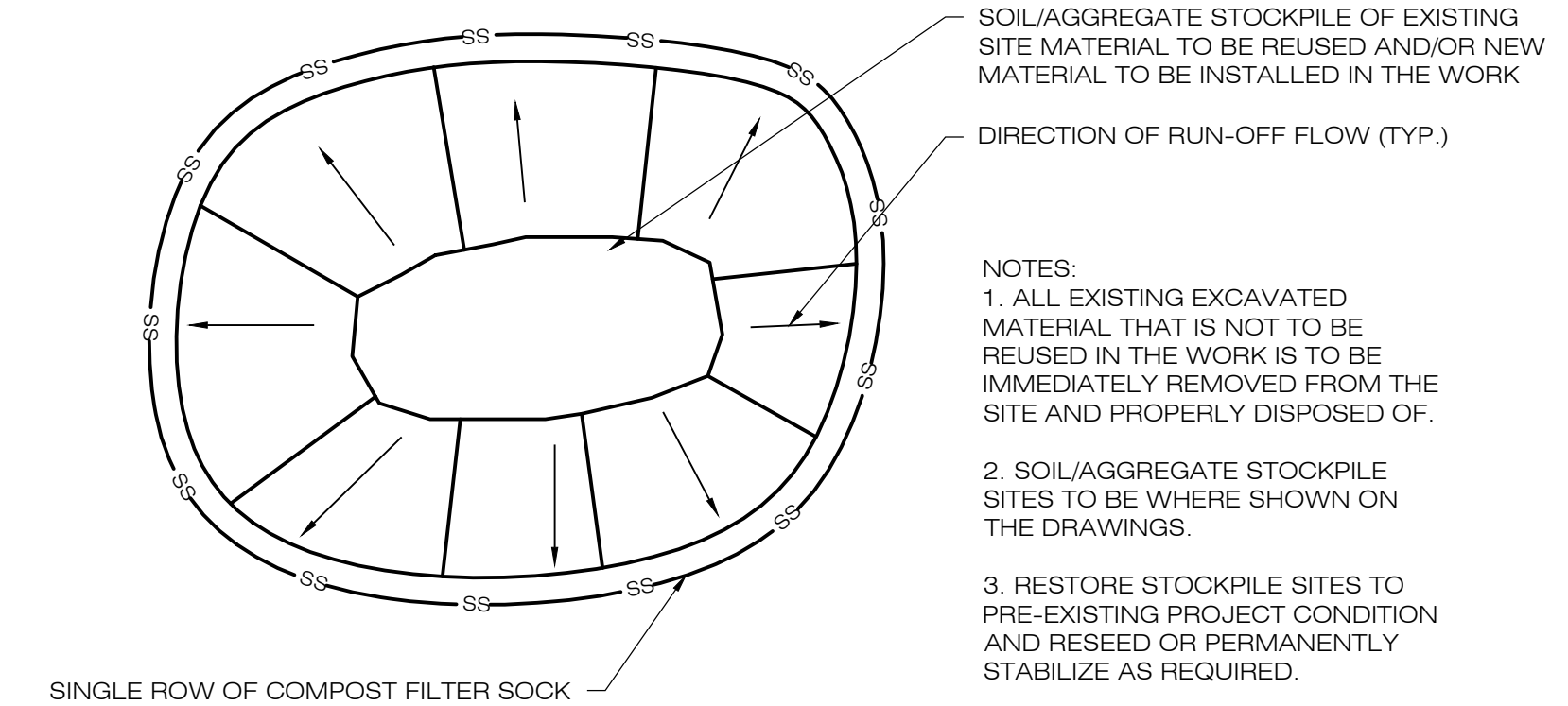


NOTE:
SILT FENCE SHALL BE LAPPED ONLY
WHEN NECESSARY PER THE
MANUFACTURER RECOMMENDATIONS.

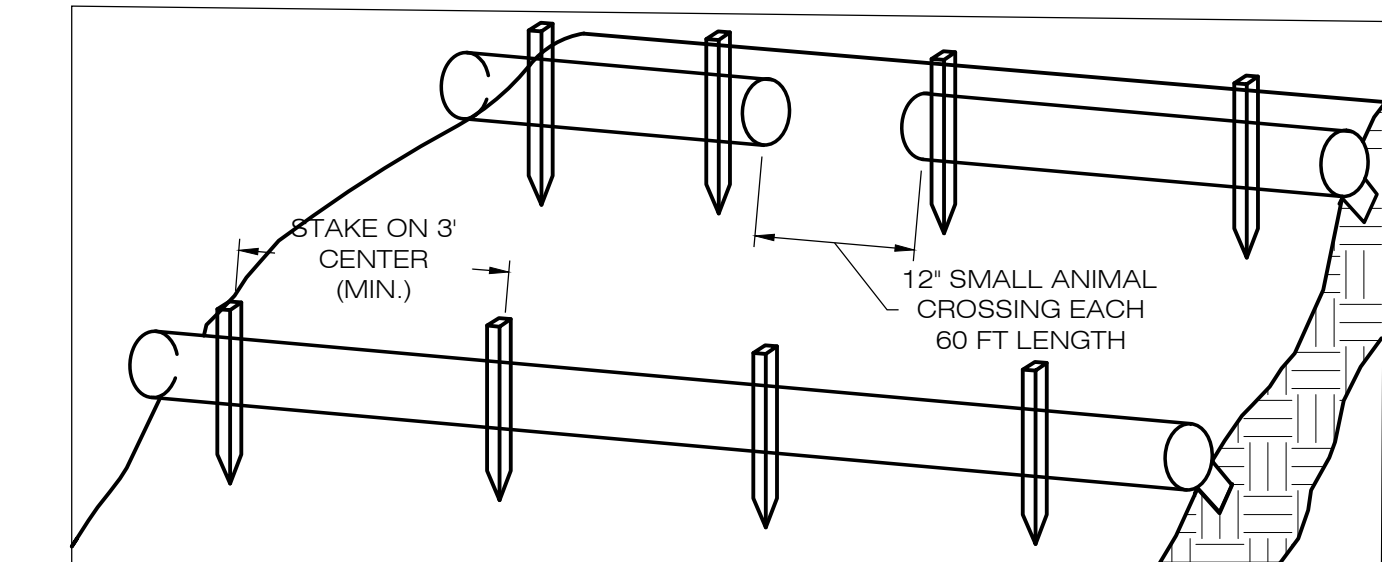
1 SILT FENCE DETAIL
SCALE : N.T.S.



2 CONSTRUCTION ENTRANCE DETAIL
SCALE : N.T.S.

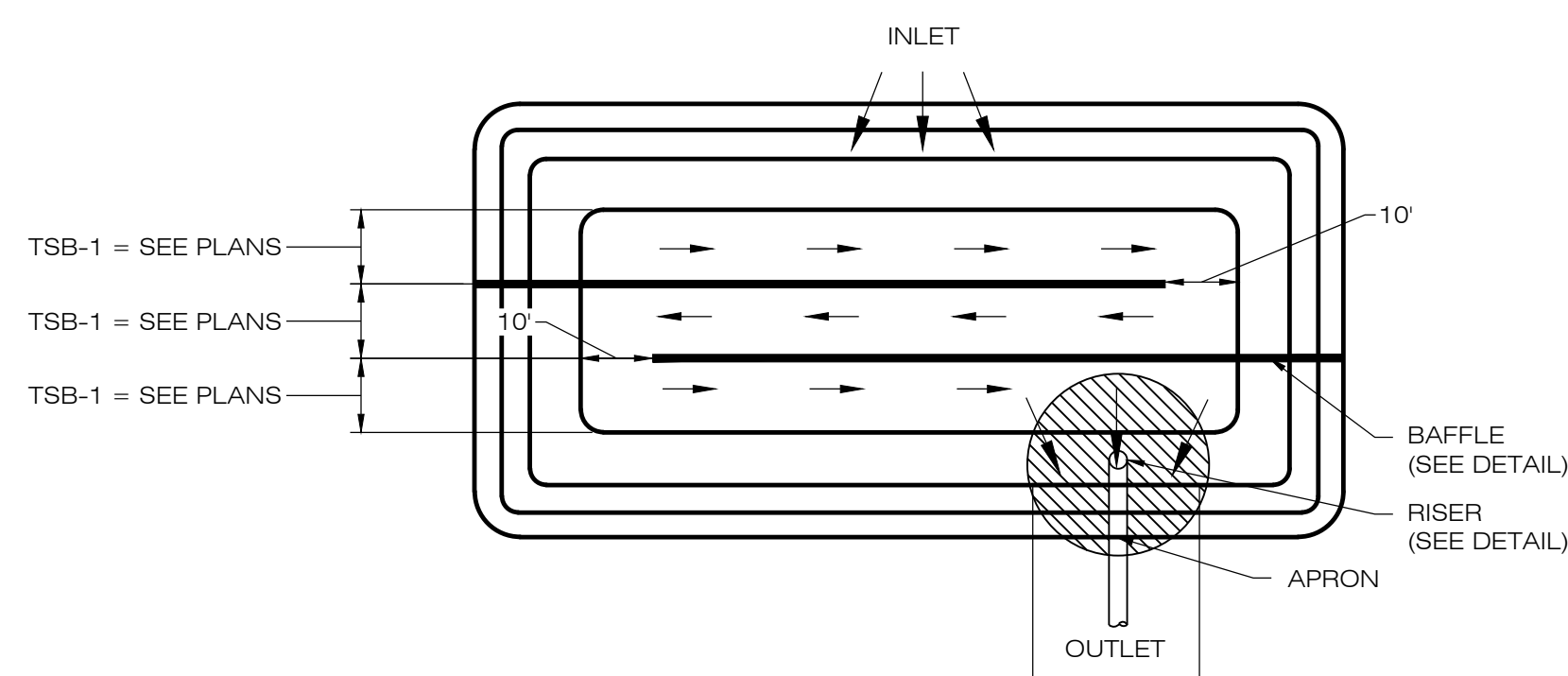


3 MATERIALS STOCKPILE DETAIL
SCALE : N.T.S.

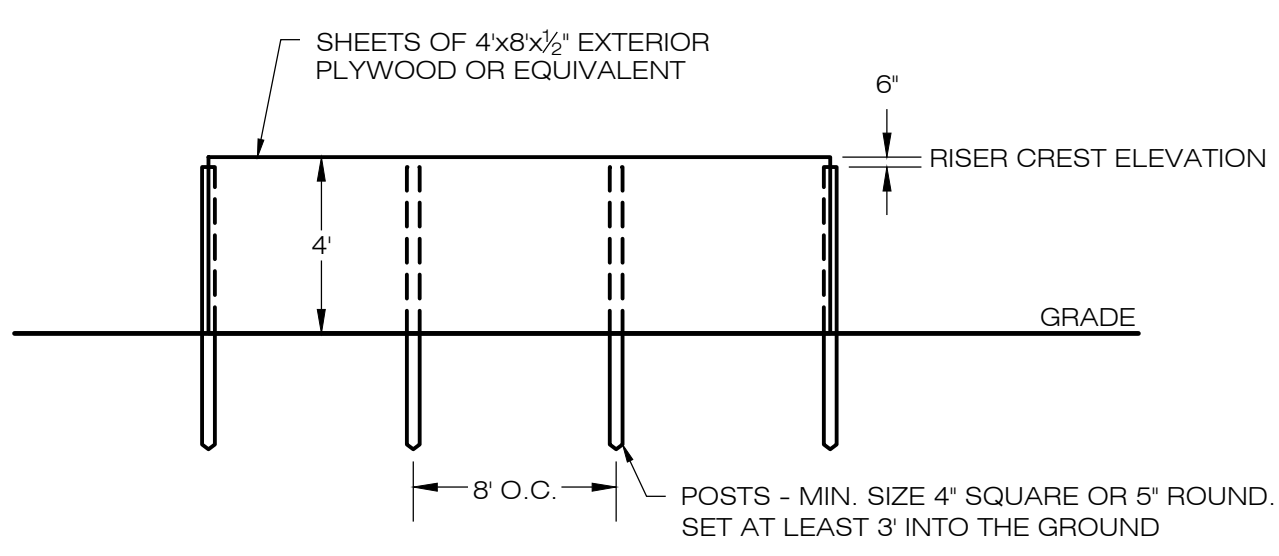


- BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2'-3" (6-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
- PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL 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.
- SECURE THE SOCK WITH 18'-24" (45.7-61 CM) STAKES EVERY 3'-4" (0.9 - 1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2'-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

4 COMPOST FILTER SOCK SEDIMENTATION CONTROL BARRIER
SCALE : N.T.S.

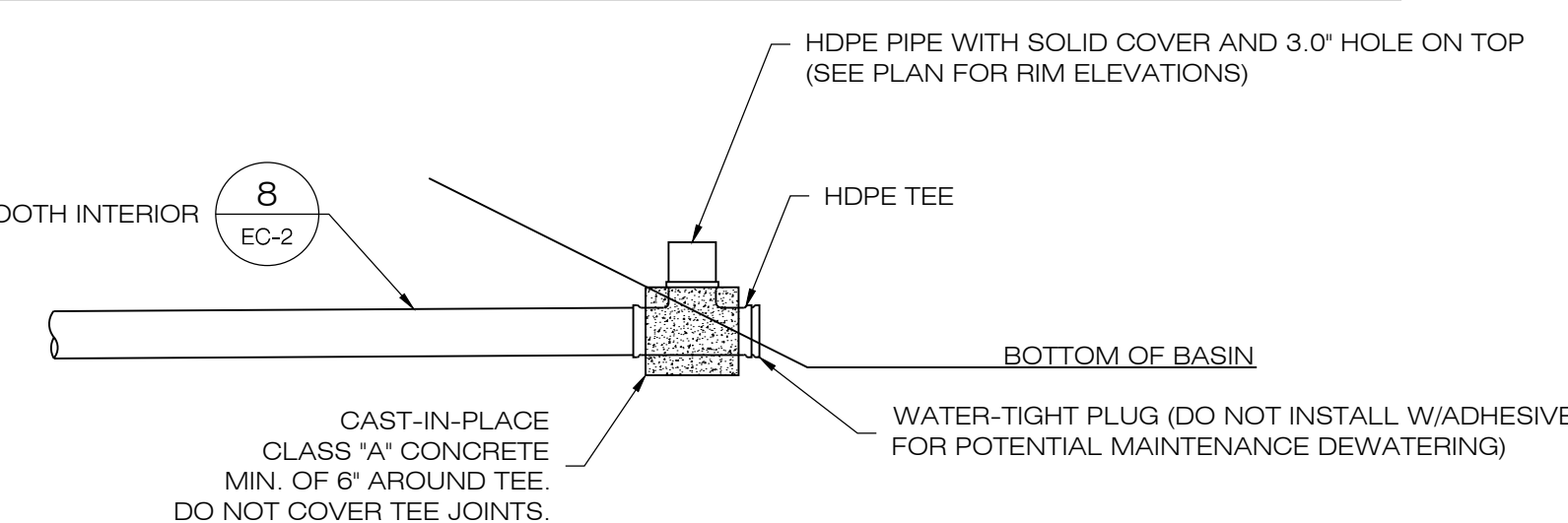


TOP VIEW

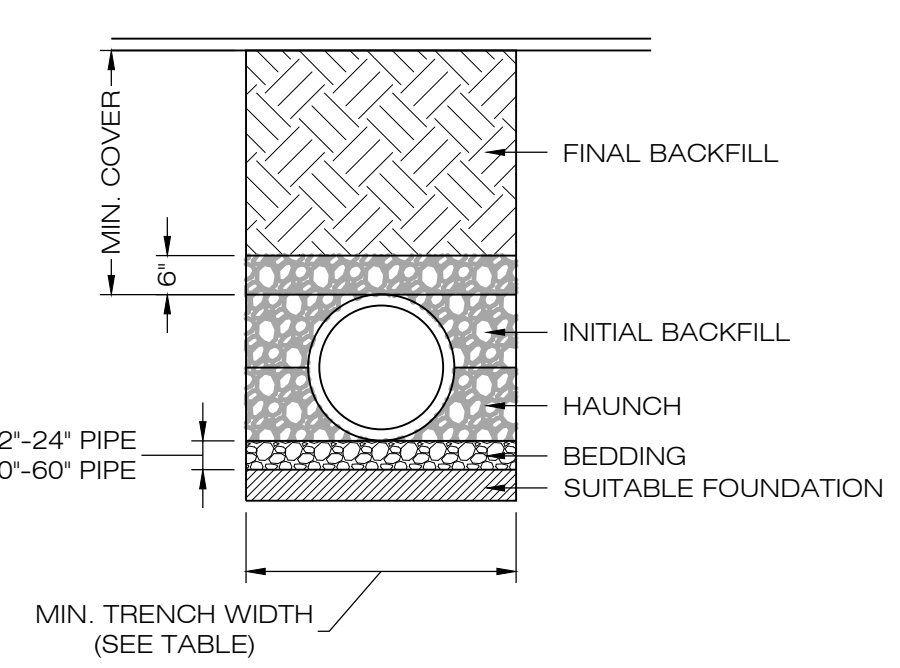


6 SEDIMENT BASIN BAFFLE
SCALE : N.T.S.

BASIN	TEE TOP ELEV. (FT)	OUTLET PIPE SIZE (IN.)	OUTLET PIPE LENGTH (FT)	OUTLET PIPE SLOPE (%)	OUTLET PIPE INV. ELEV. AT STRUCTURE (FT)	OUTLET PIPE INV. AT OUTFALL (FT)
TSB-1	77.00'	6"	110'	0.45%	76.00'	75.50'



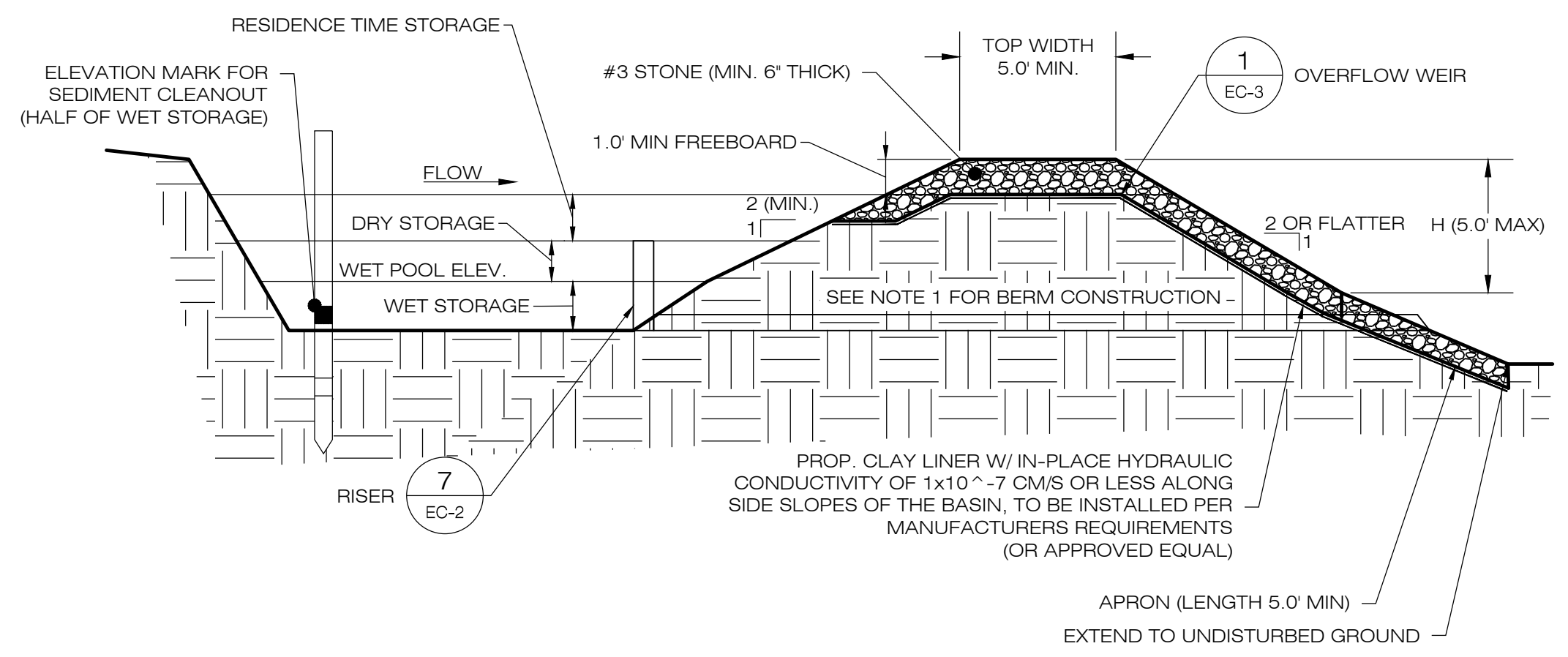
7 RISER DETAIL
SCALE : N.T.S.



PIPE DIA.	MIN. TRENCH WIDTH
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
48"	80"
60"	96"

- NOTES:
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4'-24" (100mm-600mm); 6" (150mm) FOR 30'-60" (750mm-900mm).
 - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

8 HDPE STORM DRAINAGE TRENCH DETAIL
SCALE : N.T.S.



CROSS SECTION

- NOTES:
- BERMS SHALL BE TEMPORARILY SEEDED AND STABILIZED WITH EROSION CONTROL PLAN.
 - SEDIMENT BAFFLES SHALL BE INSTALLED AS SHOWN ON EC-4.
 - SEE TEMPORARY SEDIMENT BASIN SIZING TABLE FOR WET AND DRY STORAGE VOLUMES.

5 TEMPORARY SEDIMENT BASIN
SCALE : N.T.S.

NAME	DRAINAGE AREA (AC)	REQ. WET VOLUME (CF)	REQ. DRY VOLUME (CF)	TOTAL REQ. VOLUME (CF)	PROP. BTM. ELEV. (FT)	PROP. OUTLET RIM ELEV. (FT)	PROP. WEIR CREST ELEV. (FT)	PROP. TOP ELEV. (FT)	TOTAL VOL. PROVIDED (CF)
TSB-1	13.48 AC	16,803 CF	8,402 CF	25,205 CF	74.00'	77.00'	79.00'	80.00'	28,600 CF

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NO	DATE	REVISION
0	03/03/21	FOR REVIEW: BJP
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2	09/03/20	FOR SWPCP: BJP
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6		

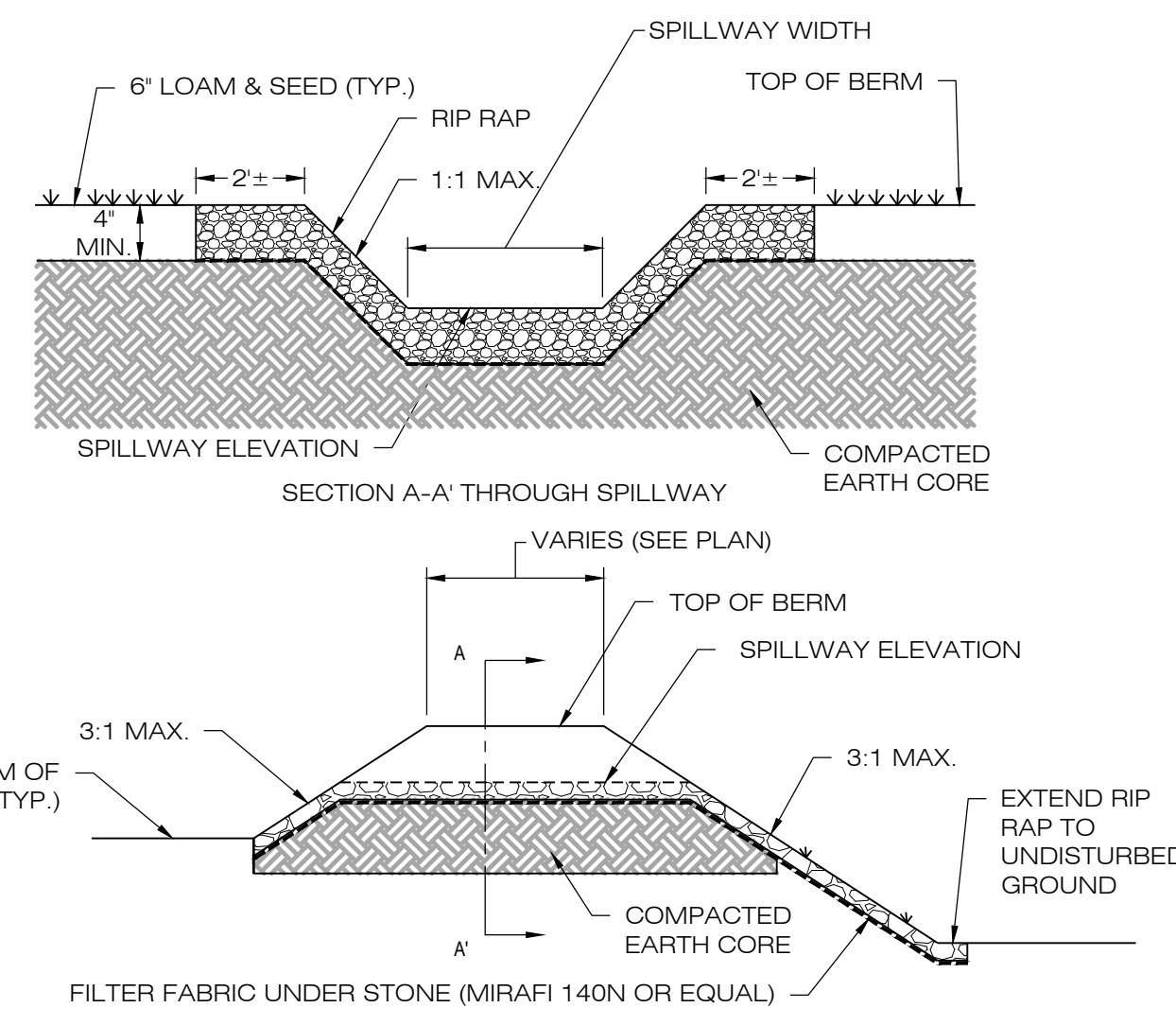
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PROF: KEVIN A. MCCAFFERY, P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385
OWNER: WHAT TF LLC
ADDRESS: 218 FOXON ROAD EAST HAVEN, CT 06513

SUNFLOWER SOLAR
SITE 127 FOREST ROAD
ADDRESS: NORTH BRANFORD, CT 06472
APT FILING NUMBER: CT567130
DRAWN BY: JT
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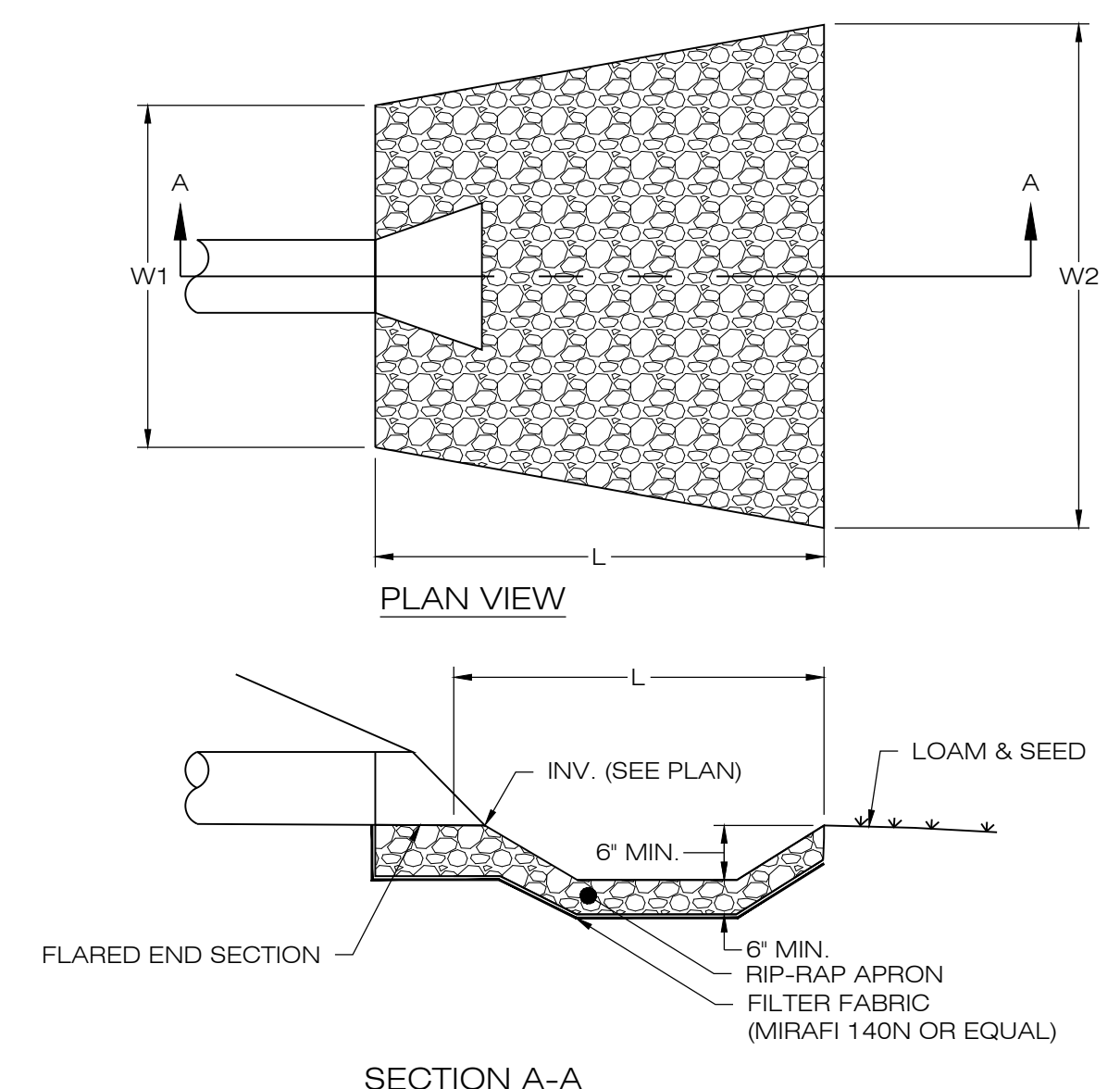
SHEET TITLE:
SEDIMENTATION & EROSION CONTROL DETAILS

SHEET NUMBER:
EC-2





1 OVERFLOW WEIR DETAIL
EC-3 SCALE: N.T.S.



2 FLARED END SECTION
EC-3 SCALE: N.T.S.

FLARED END SECTION SIZING			
BASIN	MIN. L (FT)	MIN. W1 (FT)	MIN. W2 (FT)
TSB-1	7.00'	1.50'	5.5'



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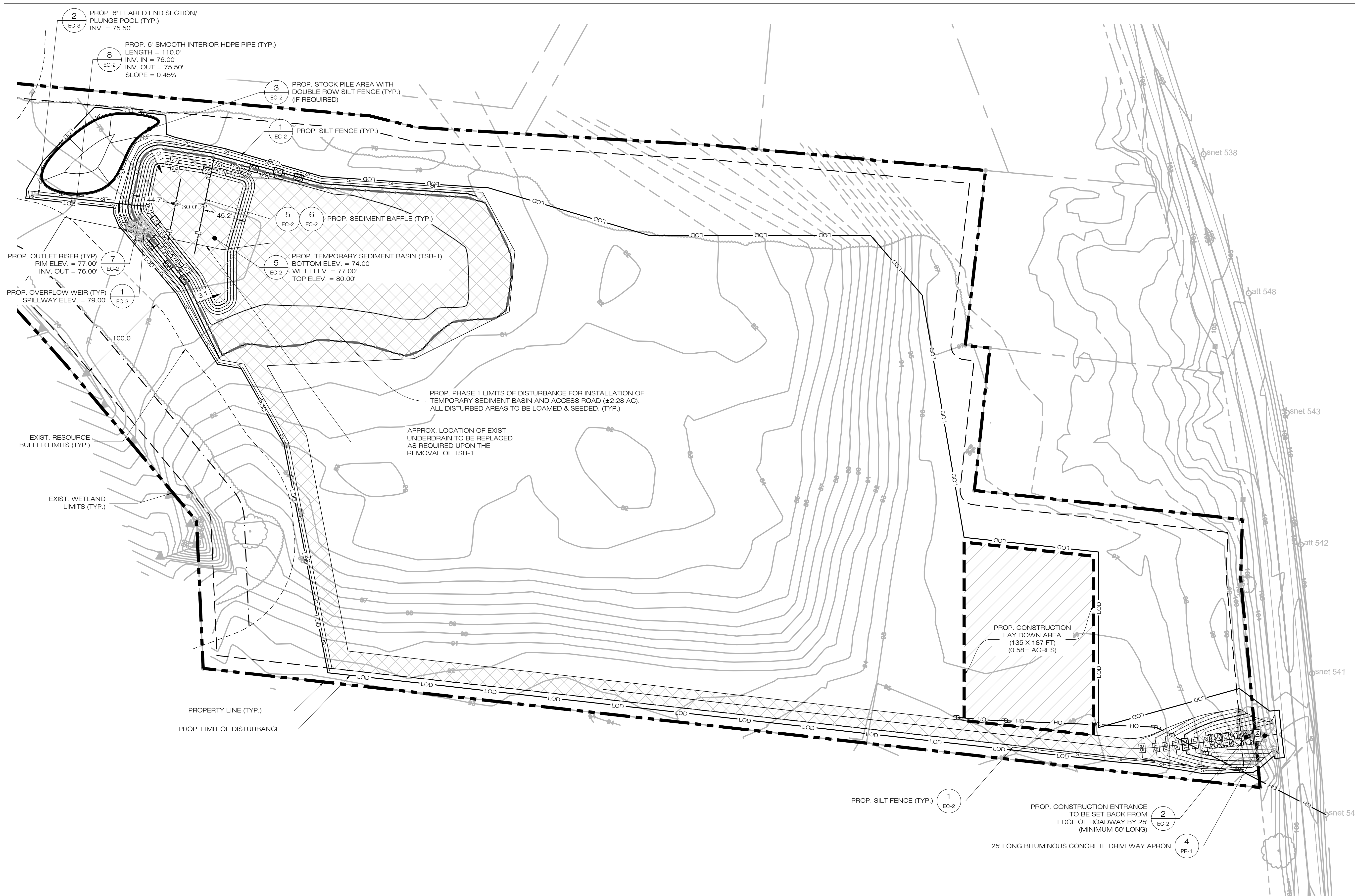
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SEDIMENTATION & EROSION CONTROL DETAILS

SHEET NUMBER:

EC-3

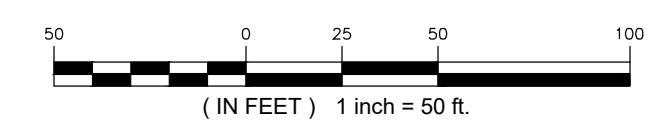




PHASE 1 CLEARING LEGEND

CLEARING AND GRUBBING

1 PHASE 1 - SEDIMENTATION & EROSION CONTROL PLAN
 EC-4 SCALE: 1" = 50'-0"



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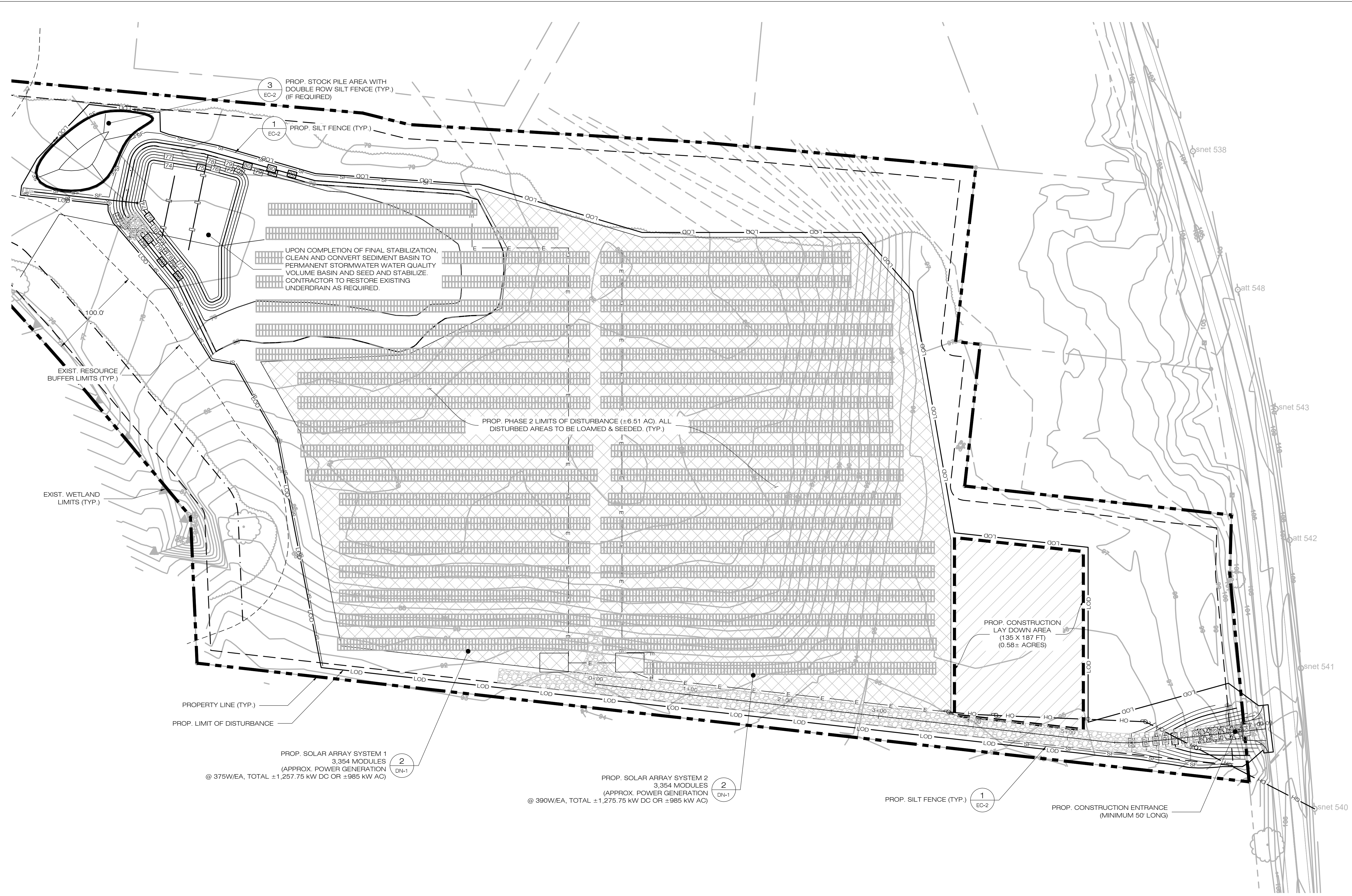
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 ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311 WATERFORD, CT 06385
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SUNFLOWER SOLAR
 SITE 127 FOREST ROAD
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SHEET TITLE:
PHASE 1 SEDIMENTATION & EROSION CONTROL PLAN

SHEET NUMBER:
EC-4



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SUNFLOWER SOLAR

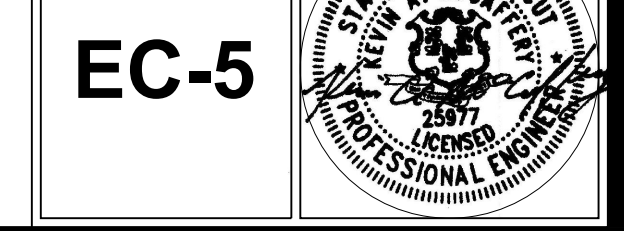
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DATE: 03/03/21
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SHEET TITLE:
**PHASE 2
SEDIMENTATION &
EROSION CONTROL PLAN**

SHEET NUMBER:

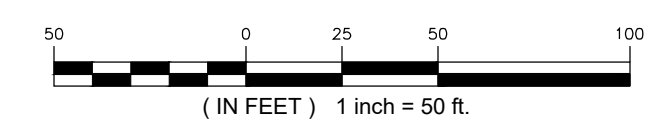


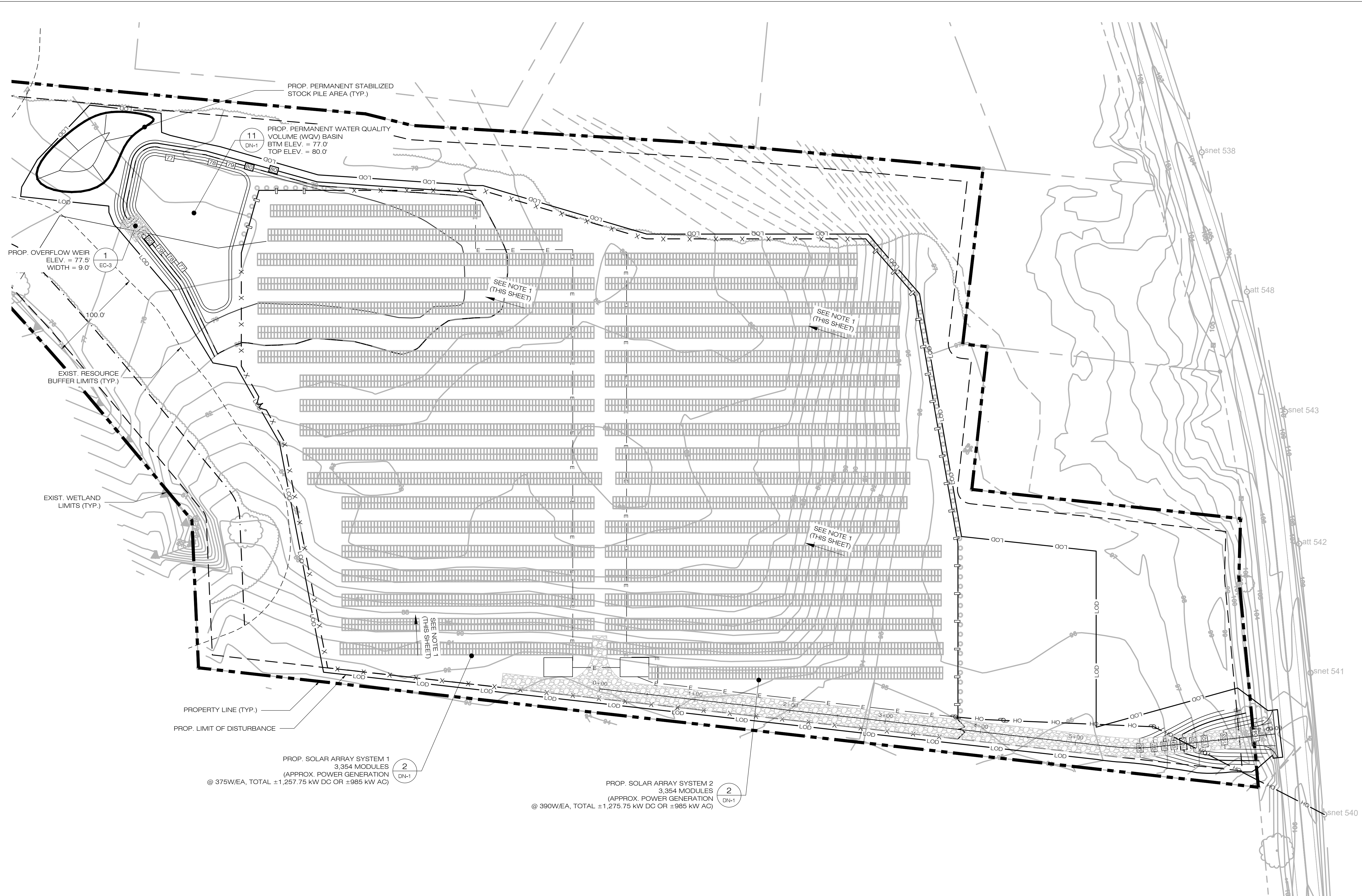
EC-5

PHASE 2 CLEARING LEGEND

	CLEARING AND GRUBBING
--	-----------------------

1 PHASE 2 - SEDIMENTATION & EROSION CONTROL PLAN
SCALE: 1" = 50'-0"





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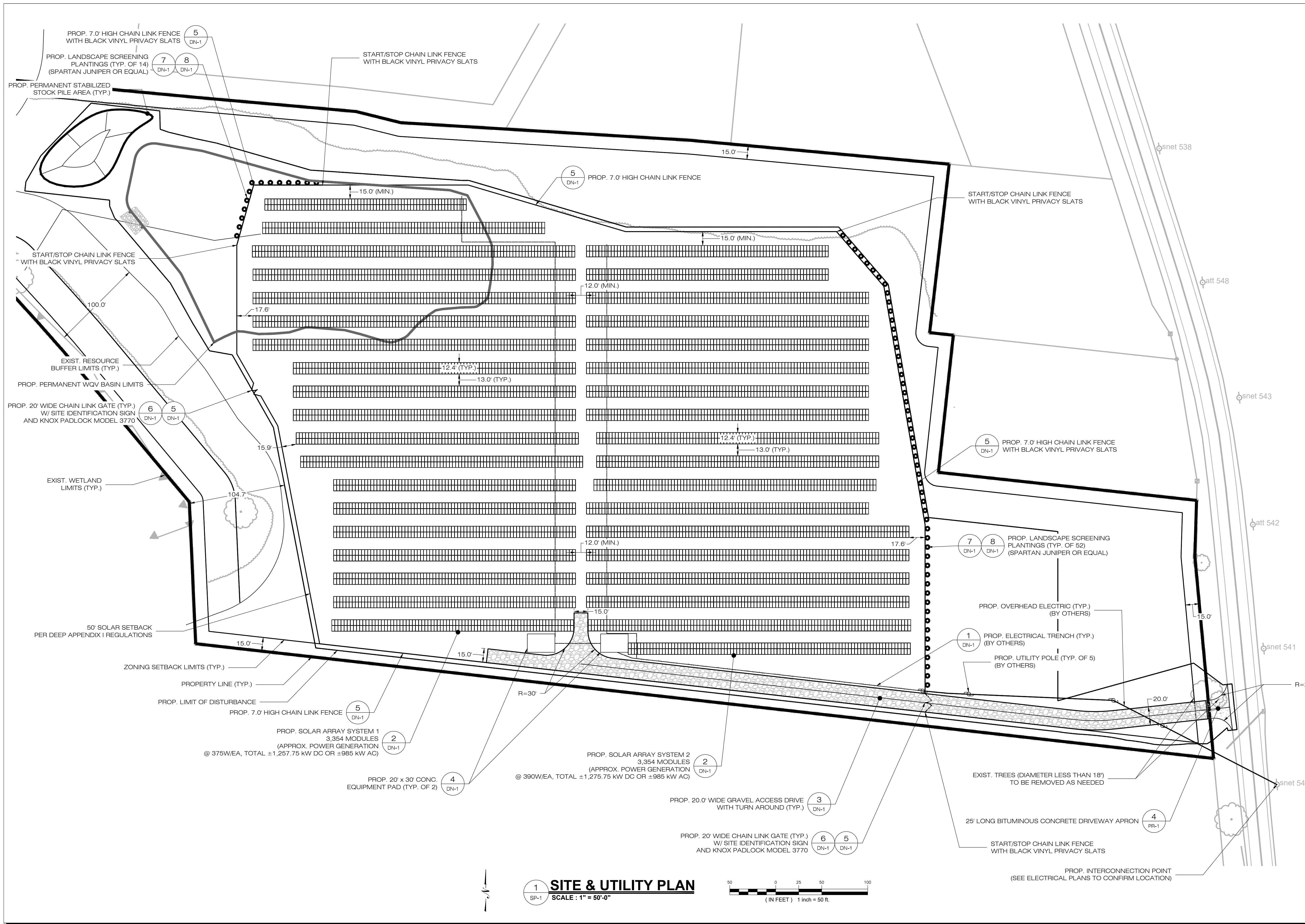
SHEET TITLE:
 FINAL GRADING & DRAINAGE PLAN

SHEET NUMBER:
 GP-1

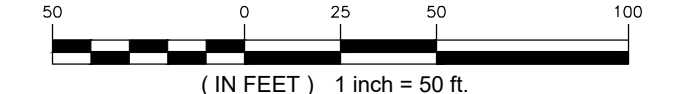
- NOTES:**
- GRADE/SHAPE AREA TO MAINTAIN EXIST. DRAINAGE PATTERNS.
 - CONTRACTOR SHALL REMOVE ALL BAFFLES AND CLEAN OUT SEDIMENT BASIN TO BE CONVERTED TO PERMANENT GRASS LINED WQV BASIN.
 - CONTRACTOR TO REPLACE EXISTING UNDERDRAIN THAT WAS REMOVED DURING SEDIMENT BASIN INSTALLATION AS REQUIRED.

1 FINAL GRADING & DRAINAGE PLAN
 GP-1 SCALE: 1" = 50'-0"

(IN FEET) 1 inch = 50 ft.



1 SITE & UTILITY PLAN
SCALE: 1" = 50'-0"



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WATERFORD, CT 06385 PHONE: (860)-863-1697
WWW.ALLPOINTS TECH.COM FAX: (860)-863-0935

CSC PERMIT SET

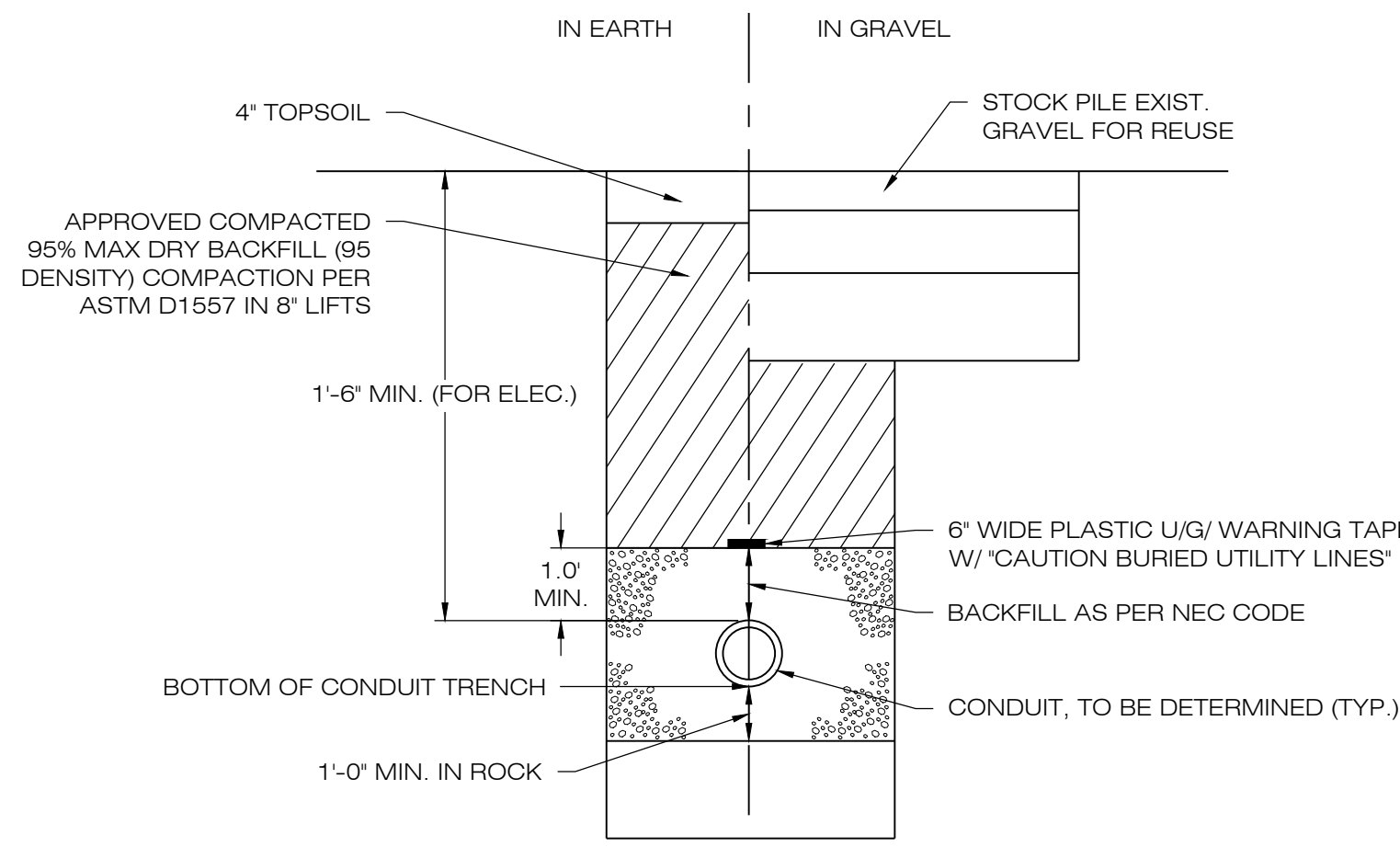
NO	DATE	REVISION
0	03/03/21	FOR REVIEW: BJP
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2	09/03/20	FOR SWPCP: BJP
3	06/22/21	DEEP COMMENTS: KAM
4	08/11/21	CTDOT COMMENTS: KAM
5	10/08/21	CSC D&M PLANS: KAM
6		

DESIGN PROFESSIONAL OF RECORD
PROF: KEVIN A. MCCAFFERY, P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
OWNER: WHAT TF LLC
ADDRESS: 218 FOXON ROAD
EAST HAVEN, CT 06513

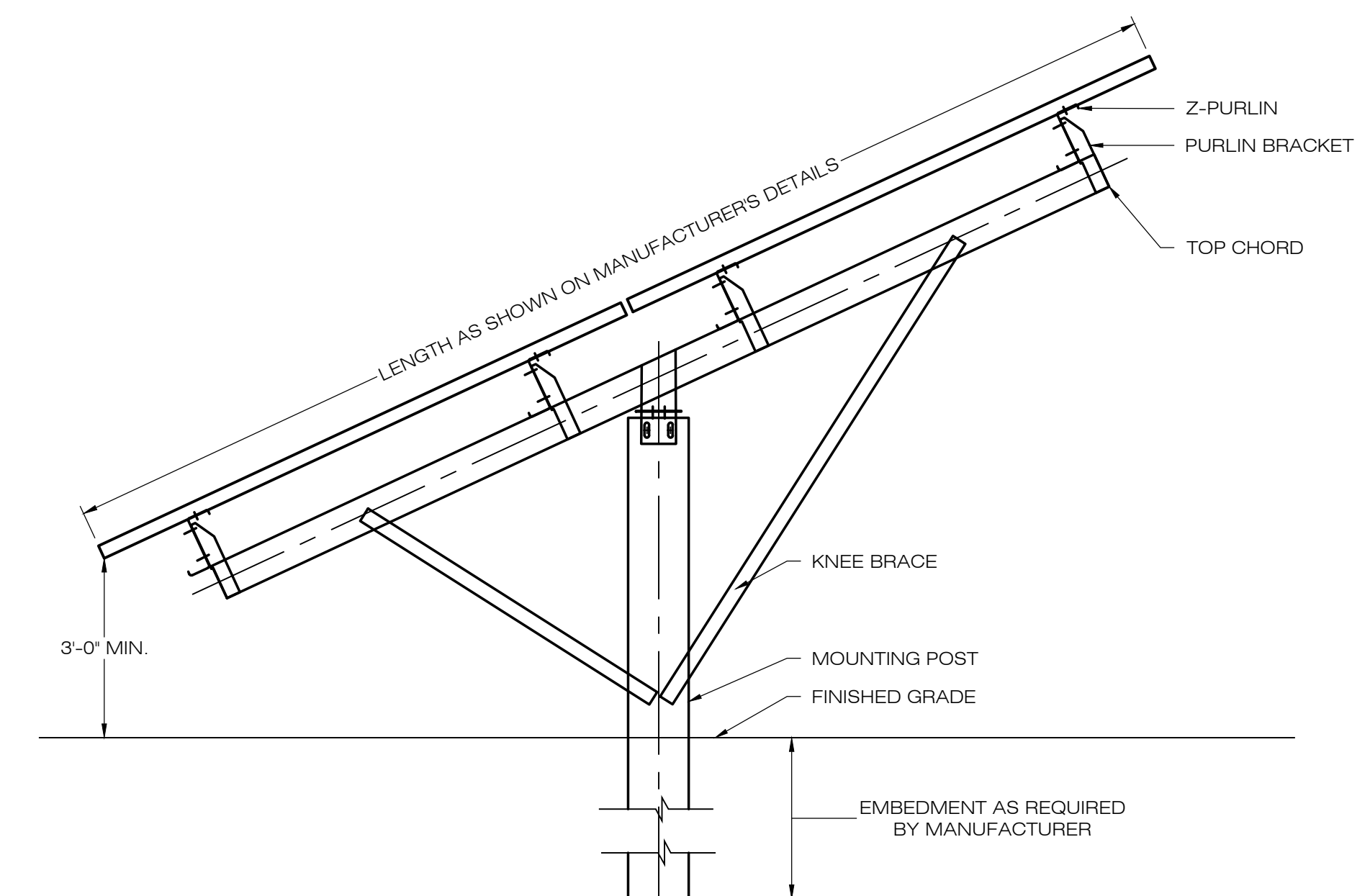
SUNFLOWER SOLAR
SITE ADDRESS: 127 FOREST ROAD NORTH BRANFORD, CT 06472
APT FILING NUMBER: CT567130
DRAWN BY: JT
DATE: 03/03/21 CHECKED BY: KAM

SHEET TITLE:
SITE & UTILITY PLAN

SHEET NUMBER:
SP-1

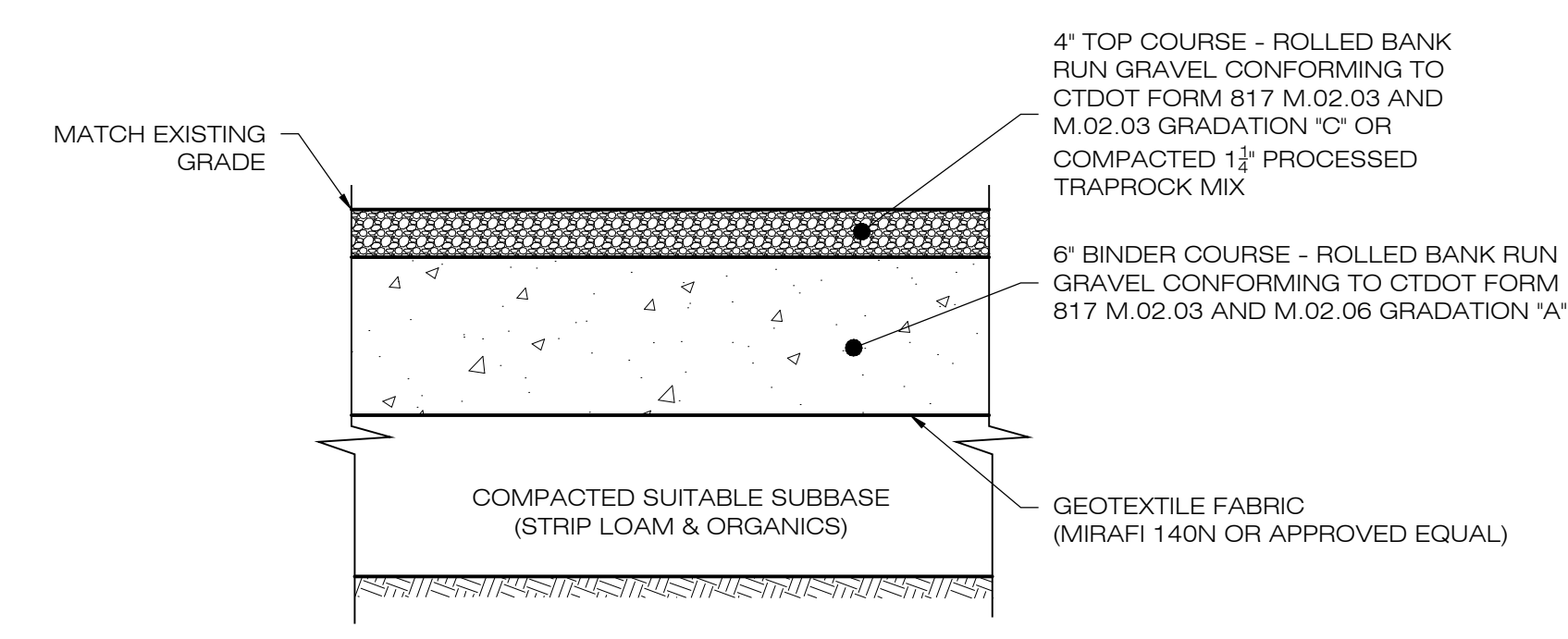


1 ELECTRICAL TRENCH DETAIL
SCALE : N.T.S.



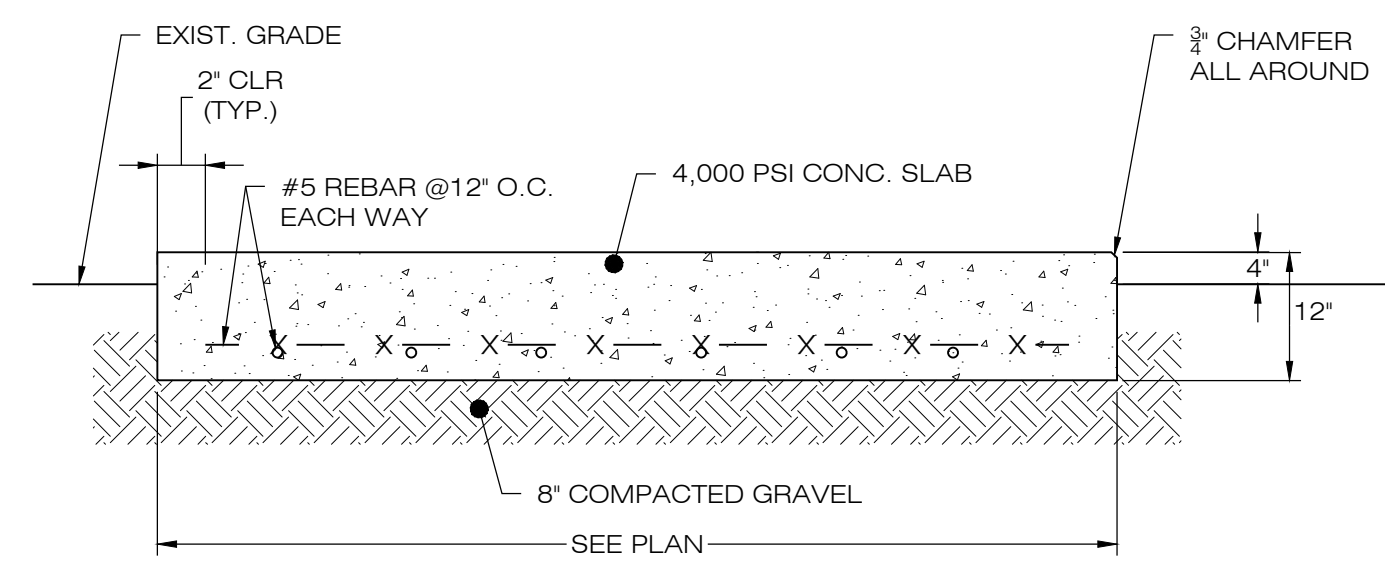
NOTES:
SEE MANUFACTURER'S DETAIL SHEETS FOR ADDITIONAL INFORMATION REGARDING RACKING SYSTEM REQUIREMENTS AND INSTALLATION PROCEDURES. RACKING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

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

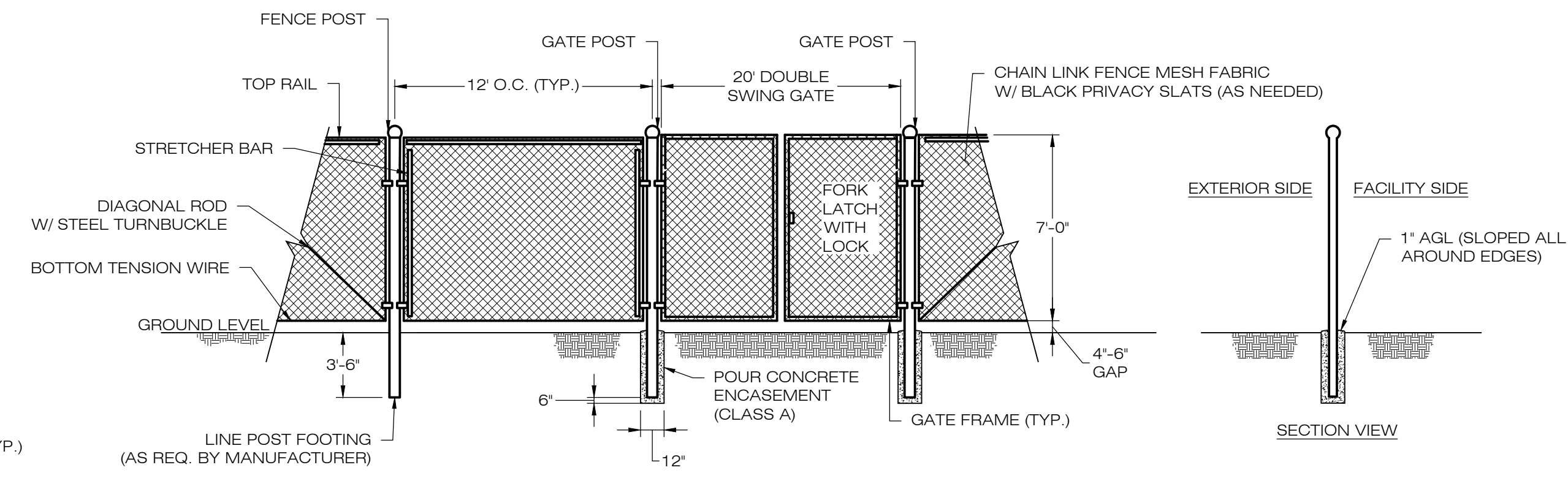


NOTES:
1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY.
2. SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE MATERIALS.

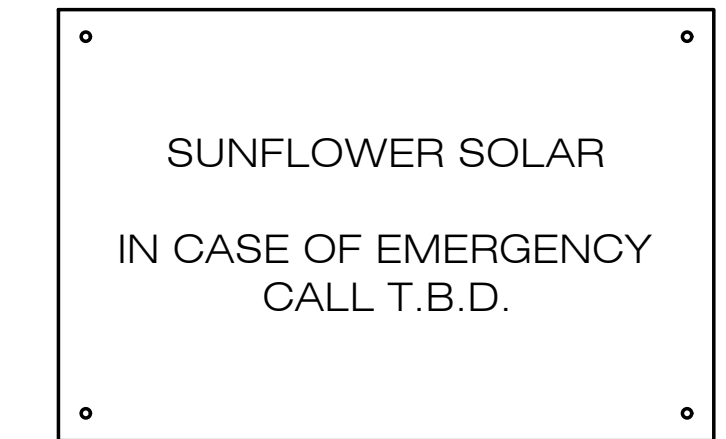
3 GRAVEL ACCESS DRIVE SECTION
SCALE : N.T.S.



4 CONCRETE EQUIPMENT PAD
SCALE : N.T.S.

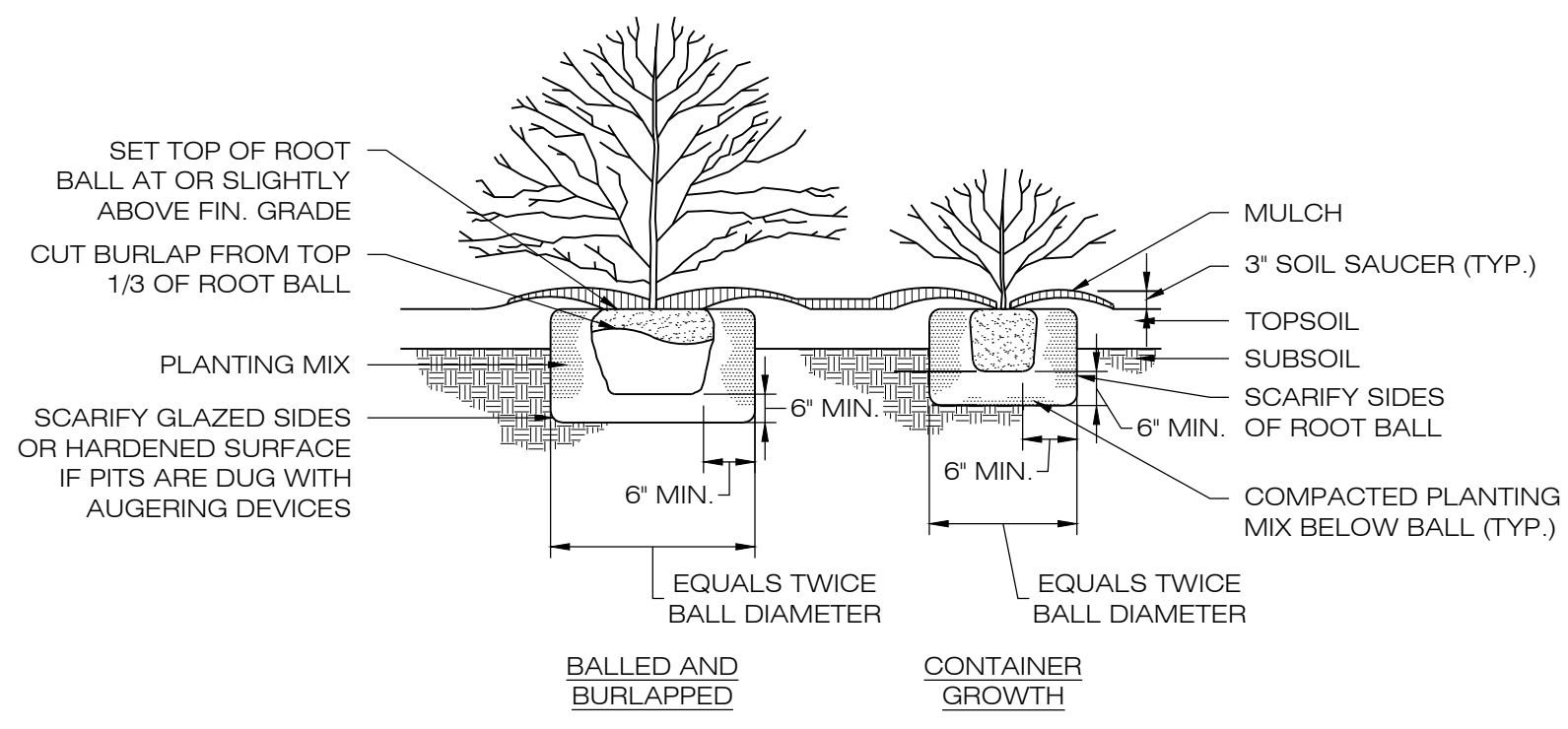


5 CHAIN-LINK FENCE & GATE DETAIL
SCALE : N.T.S.



NOTES:
EMERGENCY CALL NUMBER TO BE PROVIDED ONCE DETERMINED.

6 NOTIFICATION SIGN DETAIL
SCALE : N.T.S.



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

7 TYPICAL PLANTING DETAIL
SCALE : N.T.S.



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

Date: March 01, 2021

Ernst Solar Farm Seed Mix - ERNMX-186

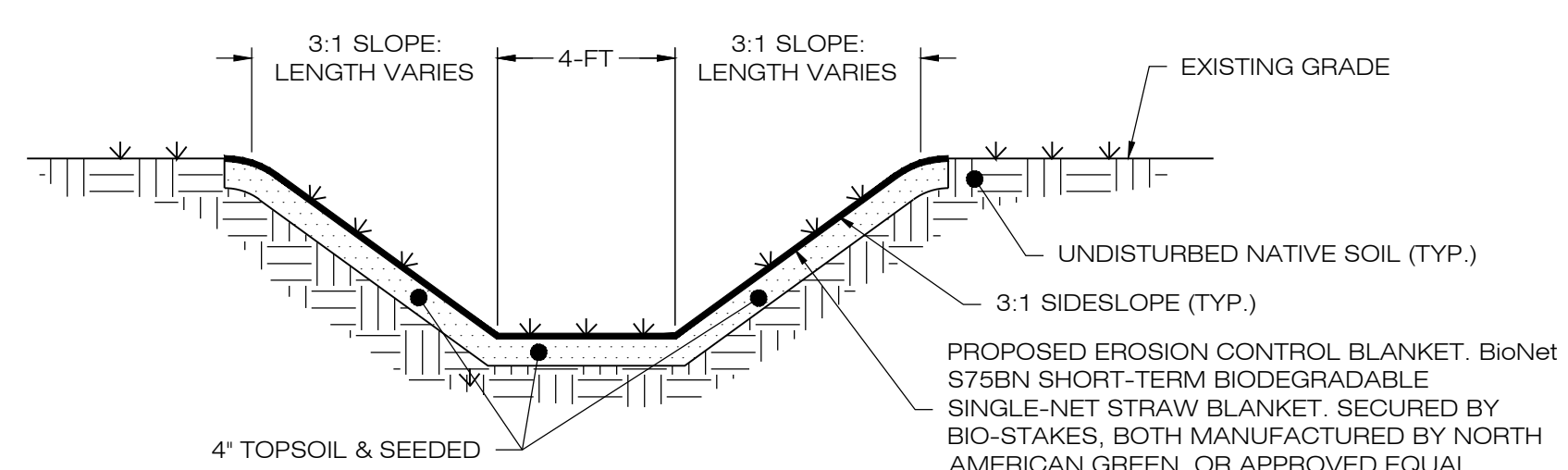
Botanical Name	Common Name	Price/lb
45.50 % <i>Festuca rubra</i>	Creeping Red Fescue	2.20
15.00 % <i>Festuca ovina var. duriuscula, 'Jetty'</i>	Hard Fescue, 'Jetty'	3.52
15.00 % <i>Festuca ovina var. duriuscula, Gladiator</i>	Hard Fescue, Gladiator	3.52
10.00 % <i>Festuca rubra ssp. commutata</i>	Chewings Fescue	2.70
5.00 % <i>Poa pratensis, 'Selway'</i>	Kentucky Bluegrass, 'Selway'	3.08
5.00 % <i>Poa pratensis, Appalachian</i>	Kentucky Bluegrass, Appalachian	3.08
4.50 % <i>Trifolium repens, Dutch</i>	White Clover, Dutch	4.84

100.00 %
Seeding Rate: 6 lb per 1,000 sq ft
Lawn & Turfgrass Sites; Solar Sites

Mix Price/lb Bulk: \$2.85

Provide a 2' clearance between the ground and the solar panels. 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.

9 SEMI-SHADE MIX
SCALE : N.T.S.



NOTES:
1. SEED MIX TO BE NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR MOIST SITES ON THE BOTTOM OF THE BASIN AND NEW ENGLAND EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.

11 GRASS LINED WATER QUALITY BASIN
SCALE : N.T.S.

8 SCREENING TREE SPACING
SCALE : N.T.S.



2200 ATLANTIC STREET,
6TH FLOOR
STAMFORD, CT 06902



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

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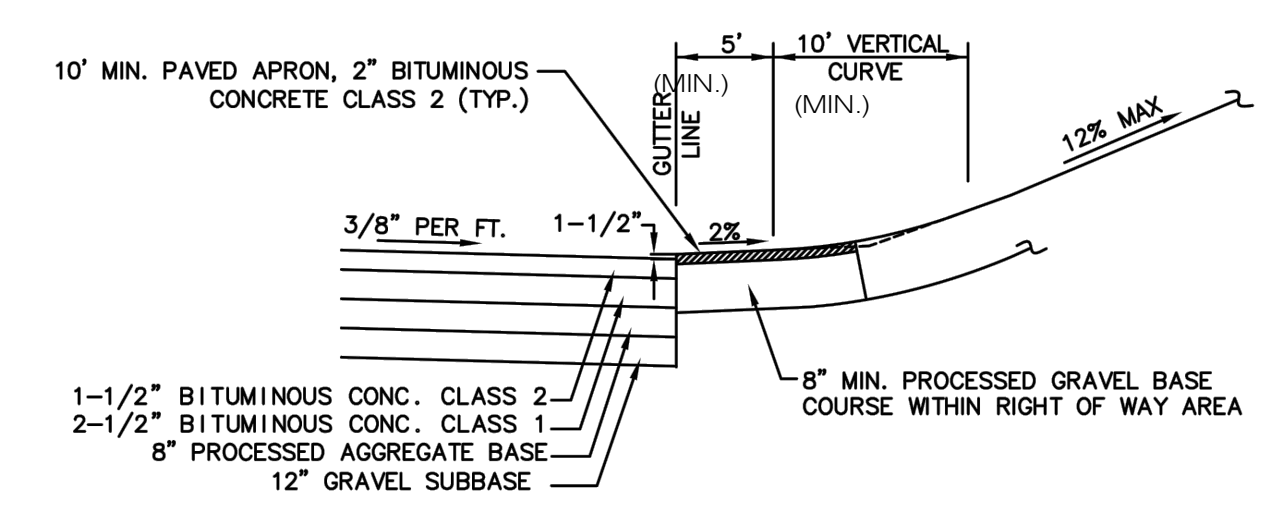
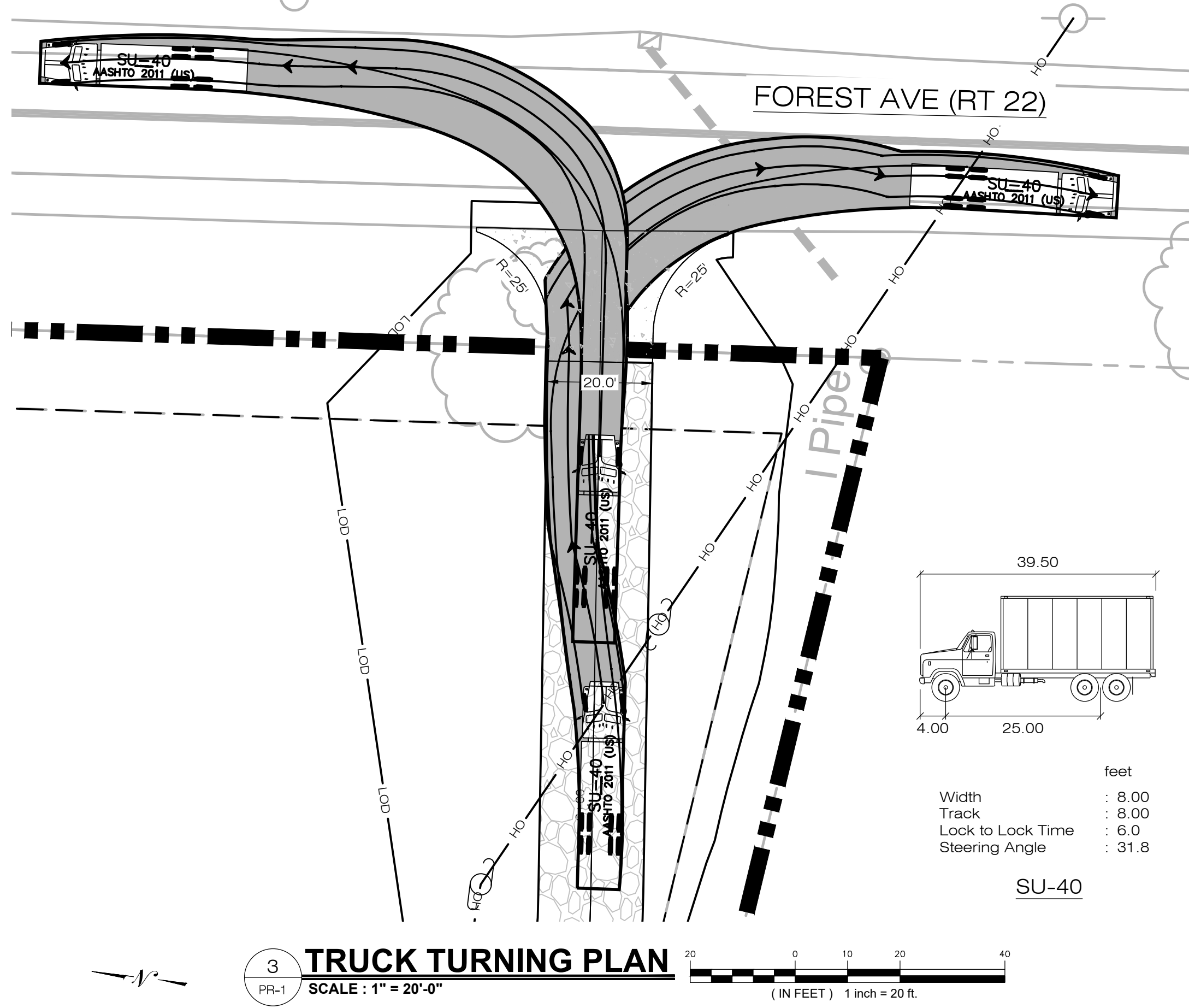
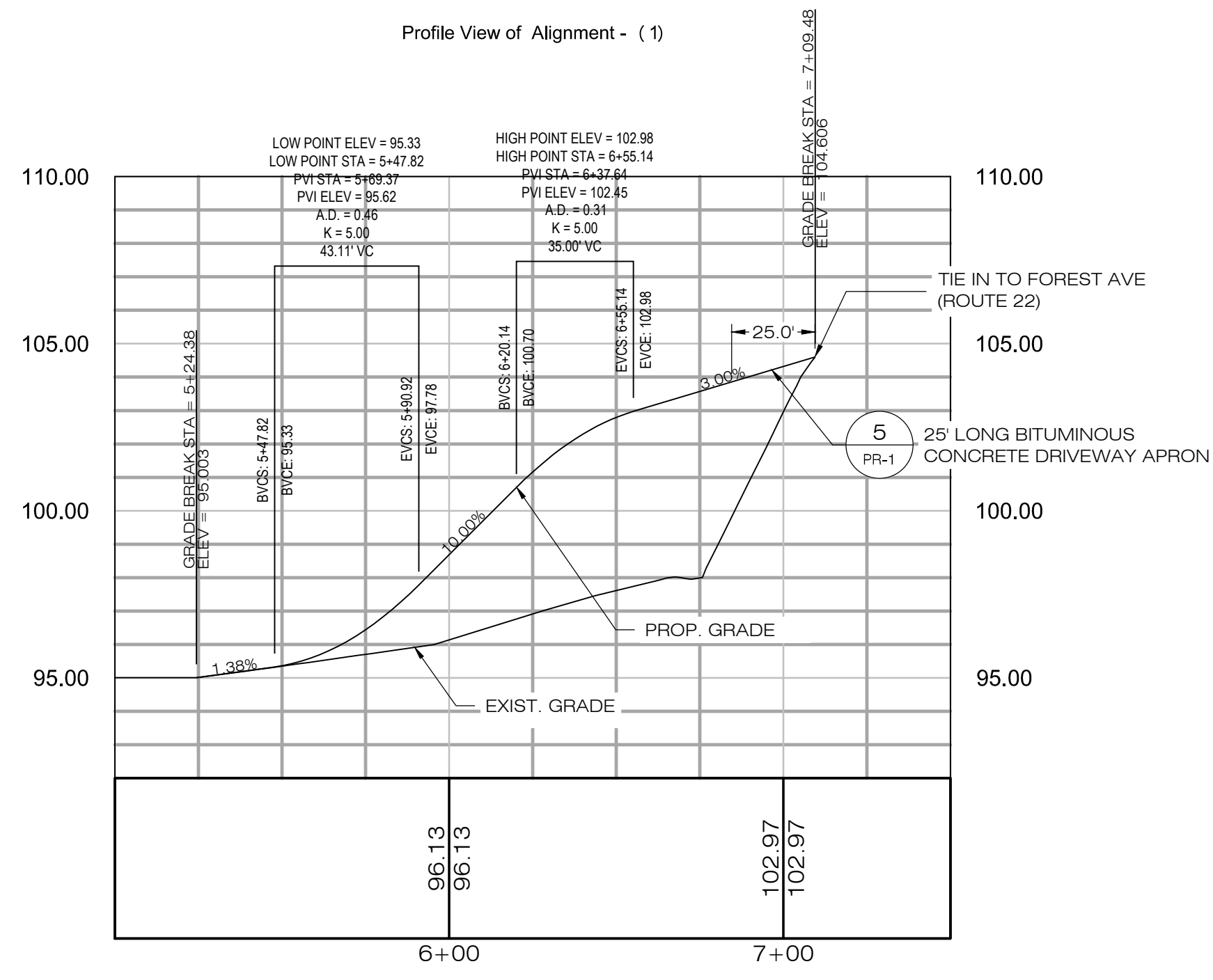
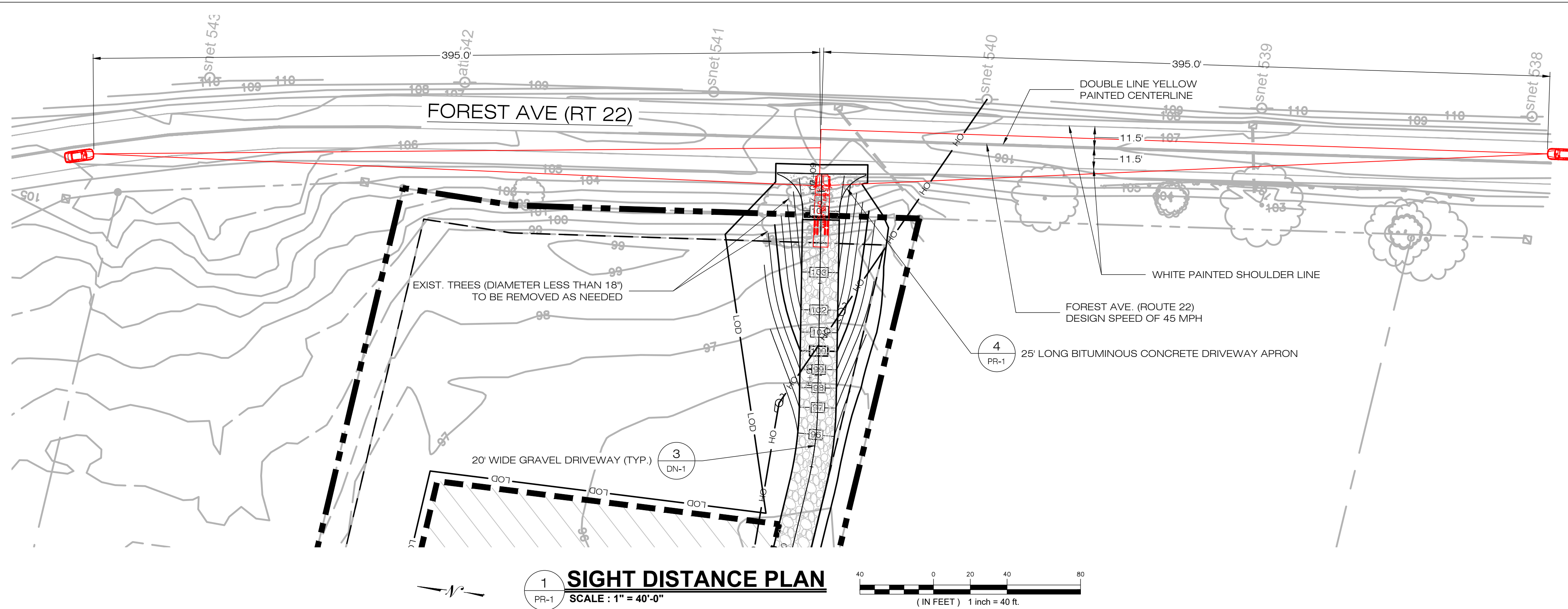
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DATE: 03/03/21
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SITE DETAILS

SHEET NUMBER: **DN-1**



CTDOT GENERAL NOTES

- THE PERMITTEE SHALL CONTACT JEN CARO, DEPARTMENT'S DISTRICT SURVEY UNIT, AT 203-389-3104 OR JENNIFER.CARO@CT.GOV PRIOR TO ANY CONSTRUCTION WITHIN THE STATE RIGHT-OF-WAY.
- IF ANY CTDOT BOUNDARY/SURVEY MARKERS GET DISTURBED OR DAMAGED DURING CONSTRUCTION, THE DEPARTMENT WILL FURNISH NEW MONUMENTS, WHICH THE PERMITTEE WILL BE REQUIRED TO INSTALL AT THE DIRECTION OF THE DISTRICT 3 SURVEY UNIT AND ACCORDING TO CTDOT SPECIFICATIONS.

CTDOT FORM 818 CONSTRUCTION NOTES

ALL WORK WITHIN THE STATE RIGHT-OF-WAY WILL COMPLY WITH FORM 818, "THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION" WITH THE LATEST SPECIAL PROVISIONS AND TYPICAL STATE STANDARD DETAILS. IN ANY CASE WHERE THE CONSTRUCTION IS NOT SPECIFICALLY DETAILED IN THE FORM 818, THE WORK WILL BE COMPLETED AS DIRECTED BY THE ENGINEER OR DISTRICT PERMIT SECTION REPRESENTATIVE.

REMOVAL OF PAVEMENT MARKINGS ALONG STATE ROADWAYS SHALL BE COMPLETED BY A NON-DESTRUCTIVE METHOD IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818 SECTION 12.11 AS REVISED.

NEW PAVEMENT MARKINGS SHALL BE PAINTED WITH EPOXY RESIN PAINT IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818 SECTION 12.08 AS REVISED. TYPE 1 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH WHITE BACKGROUND. TYPE 3 REFLECTIVE SHEETING SHALL BE USED FOR SIGNS WITH COLORED BACKGROUND EXCEPT FOR SIGNS WITH RED BACKGROUND THAT SHALL BE TYPE 8 OR 9 REFLECTIVE SHEETING.

ALL SIGNS AND PAVEMENT MARKINGS INSTALLED WITHIN THE STATE RIGHT OF WAY MUST CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST STATE OF CONNECTICUT CATALOG OF SIGNS AS REVISED.

ANY DAMAGE TO THE EXISTING CURB, SIDEWALK, OR ANY OTHER HIGHWAY APPURTENANCES DURING THE DEVELOPMENT OF THE PERMITTED SITE WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE DISTRICT 3 PERMIT SECTION AT NO COST TO THE STATE.

ALTUS POWER
2200 ATLANTIC STREET,
6TH FLOOR
STAMFORD, CT 06902

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SHEET TITLE:
DRIVEWAY PLAN & PROFILE & DETAILS

SHEET NUMBER:
PR-1

