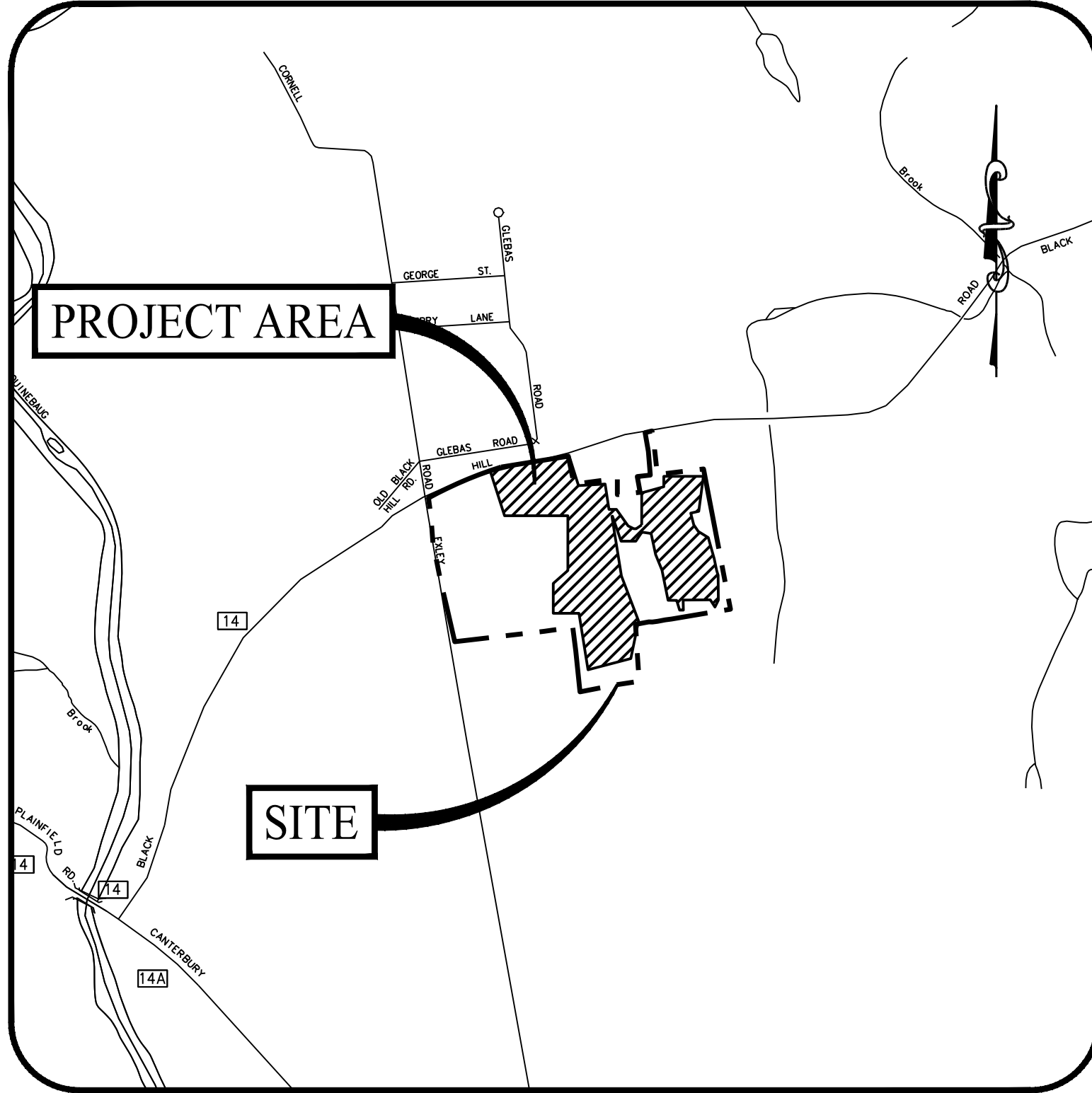


USGS MAP

SCALE: 1" = 1,000'

PROPOSED 4.0 MW SOLAR PHOTOVOLTAIC ARRAY

0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT



LOCATION MAP

SCALE: 1" = 1,000'

PREPARED FOR:

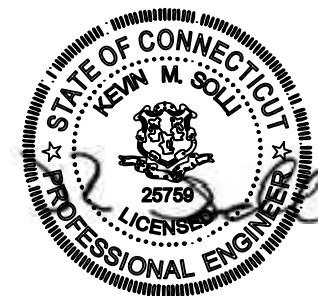


124 LASALLE ROAD, 2ND FLOOR
WEST HARTFORD, CONNECTICUT

PREPARED BY:



MONROE, CT | WEST HARTFORD, CT | NORWOOD, MA



OWNER

MICHAEL & COLLEEN TULES
225 BLACK HILL ROAD
PLAINFIELD, CONNECTICUT 06374

APPLICANT

VEROGY
124 LASALLE ROAD, 2ND FLOOR
WEST HARTFORD, CONNECTICUT 06107

PROPERTY INFORMATION

ADDRESS: 0 EXLEY ROAD, PLAINFIELD, CONNECTICUT
PARCEL ID: 002-053A-0058
AREA: ±58.6 AC

ENGINEER OF RECORD

KEVIN SOLLI, P.E., CPESC, LEED AP BD+C
LICENSE NO. 25759
SOLLI ENGINEERING, LLC
501 MAIN STREET
MONROE, CONNECTICUT 06468
(203) 880-5455

SURVEYOR OF RECORD

CHARLES G. GIDMAN, L.S. LICENSE NO. 70108
NORTHEAST SURVEY CONSULTANTS
3 FERRY STREET
EASTHAMPTON, MASSACHUSETTS 01027
(413) 203-5144

SOILS SCIENTIST

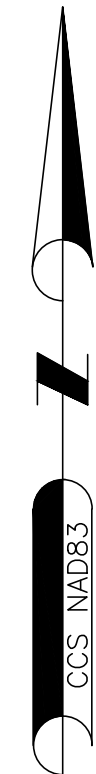
ERIC DAVISON
DAVISON ENVIRONMENTAL, LLC
10 MAPLE STREET
CHESTER, CONNECTICUT 06412
(860) 803-0938

DRAWING LIST

SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION
0.00	COVER SHEET	08/12/25	N/A
1 OF 1	EXISTING CONDITIONS PLAN	08/12/25	N/A
2.10	OVERALL SITE LAYOUT PLAN	08/12/25	N/A
2.11	SITE LAYOUT PLAN (SHEET 1 OF 2)	08/12/25	N/A
2.12	SITE LAYOUT PLAN (SHEET 2 OF 2)	08/12/25	N/A
2.21	GRADING & DRAINAGE PLAN (SHEET 1 OF 2)	08/12/25	N/A
2.22	GRADING & DRAINAGE PLAN (SHEET 2 OF 2)	08/12/25	N/A
2.31.1	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE I (SHEET 1 OF 2)	08/12/25	N/A
2.31.2	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE I (SHEET 2 OF 2)	08/12/25	N/A
2.32.1	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE II (SHEET 1 OF 2)	08/12/25	N/A
2.32.2	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE II (SHEET 2 OF 2)	08/12/25	N/A
2.41	SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS	08/12/25	N/A
3.01	CONSTRUCTION DETAILS	08/12/25	N/A

Rev. #: Date Description		
Project: PROPOSED SOLAR PHOTOVOLTAIC ARRAY		
0 EXLEY ROAD (PARCEL ID: 002-053A-0058) PLAINFIELD, CONNECTICUT		
Sheet Title:	Sheet #:	
COVER SHEET	0.00	

FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.



OLD BLACK HILL ROAD
BLACK HILL ROAD - RT. 14
1961 STATE HIGHWAY LAYOUT

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1997.

TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY

BOUNDARY SURVEY CATEGORY: DEPENDENT RESURVEY

CLASS OF ACCURACY: HORIZONTAL CLASS A-2
VERTICAL CLASS V-2
TOPOGRAPHIC CLASS T-2

PURPOSE OF SURVEY: PROPOSED SOLAR FACILITY

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE LIVE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED PROFESSIONAL. UNAUTHORIZED ALTERATIONS RENDER ANY DECLARATION NULL AND VOID.

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

Charles G. Gidman
CHARLES G. GIDMAN, P.L.S. #70103



002-053A-0059
N/F
MAURICE T. DESJARDINS
IRREVOCABLE TRUST
DEED 276-299

002-053A-0058
N/F
MICHAEL H. &
COLLEEN A. TULES
DEED 220-303

002-053A-0063
N/F
DORIS DESJARDINS
DEED 261-284

002-053A-0060
N/F
DORIS DESJARDINS
DEED 261-284

002-053A-0058C
N/F
JEFFREY DENNIS CONGER
& NICHOL E. MARIE
DEED 547-27

002-053A-0058B
N/F
MICHAEL H. &
COLLEEN A. TULES
DEED 207-1069
SEE DEED 180-1146/
MAP 376

002-053A-0058A
N/F
MONIKA E. LAPORTE
DEED 254-418

007-053A-0055
N/F
SPICER ROAD REALTY LLC
DEED 530-371

LEGEND

	LOCUS PROPERTY LINE		CONC. BOUND FOUND
	ABUTTERS PROPERTY LINE		IRON PIPE OR ROD FOUND
	EASEMENT LINE		CALCULATED POINT
	2' CONTOUR LINE		UTILITY POLE
	TRUNK LINK		GUY WIRE ANCHOR
	DRIP LINE		TELECOM BOX
	OHW		POST
	OVERHEAD WIRES		WETLAND FLAG
	WETLAND DELINEATION		
	YELLOW PAINT LINE		
	WHITE PAINT LINE		

NOTES:

1. FIELD SURVEY BY RTK GPS & RTK DRONE IN DECEMBER 2024.
2. THE HORIZONTAL DATUM IS NAD83. THE VERTICAL DATUM IS NAVD88. BOTH WERE DERIVED FROM RTK GPS OBSERVATIONS TAKEN ON SITE.
3. THE LOCATIONS OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE ONLY. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF THESE UTILITIES AND MAY NOT SHOW ALL OF THE UTILITIES WHICH EXIST WITHIN THE PREMISES SURVEYED. CONTACT DIG-SAFE AT 1-888-344-7233 BEFORE EXCAVATION.
4. THE LOCUS PARCEL AND ALL ABUTTING PARCELS ARE LOCATED IN THE RA-60 ZONING DISTRICT.
5. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE ENTIRE LOCUS PARCEL IS LOCATED IN AN AREA DESIGNATED AS "ZONE X" (AREAS OF MINIMAL FLOODING). COMMUNITY PANEL NO. 09015C 0354 F, EFFECTIVE ON 9/7/2023.
6. WETLANDS SHOWN HEREON WERE DELINEATED BY DAVIDSON ENVIRONMENTAL, LLC IN DECEMBER 2024 (1 & 2 SERIES; FLAGS LOCATED BY THIS SURVEY) AND JANUARY 2025 (X SERIES; FLAGS LOCATED BY DAVIDSON ENVIRONMENTAL, LLC).
7. ALL CONTOURS SHOWN HEREON WERE GENERATED IN QGIS FROM DIGITAL ELEVATION MODELS OF THE 2016 CRCOG LIDAR DATA COLLECTED BY USGS AND DISTRIBUTED BY NOAA.

PLAN OF LAND IN PLAINFIELD, CT
EXLEY ROAD
PREPARED FOR
VEROY

SHEET NO.

1

OF

1

SURVEYOR: CGG ENGINEER: -

DRAFTING: JDG DESIGN: -

FIELD WORK: MAK MTR CRC HORZ. SCALE: 1" = 100'

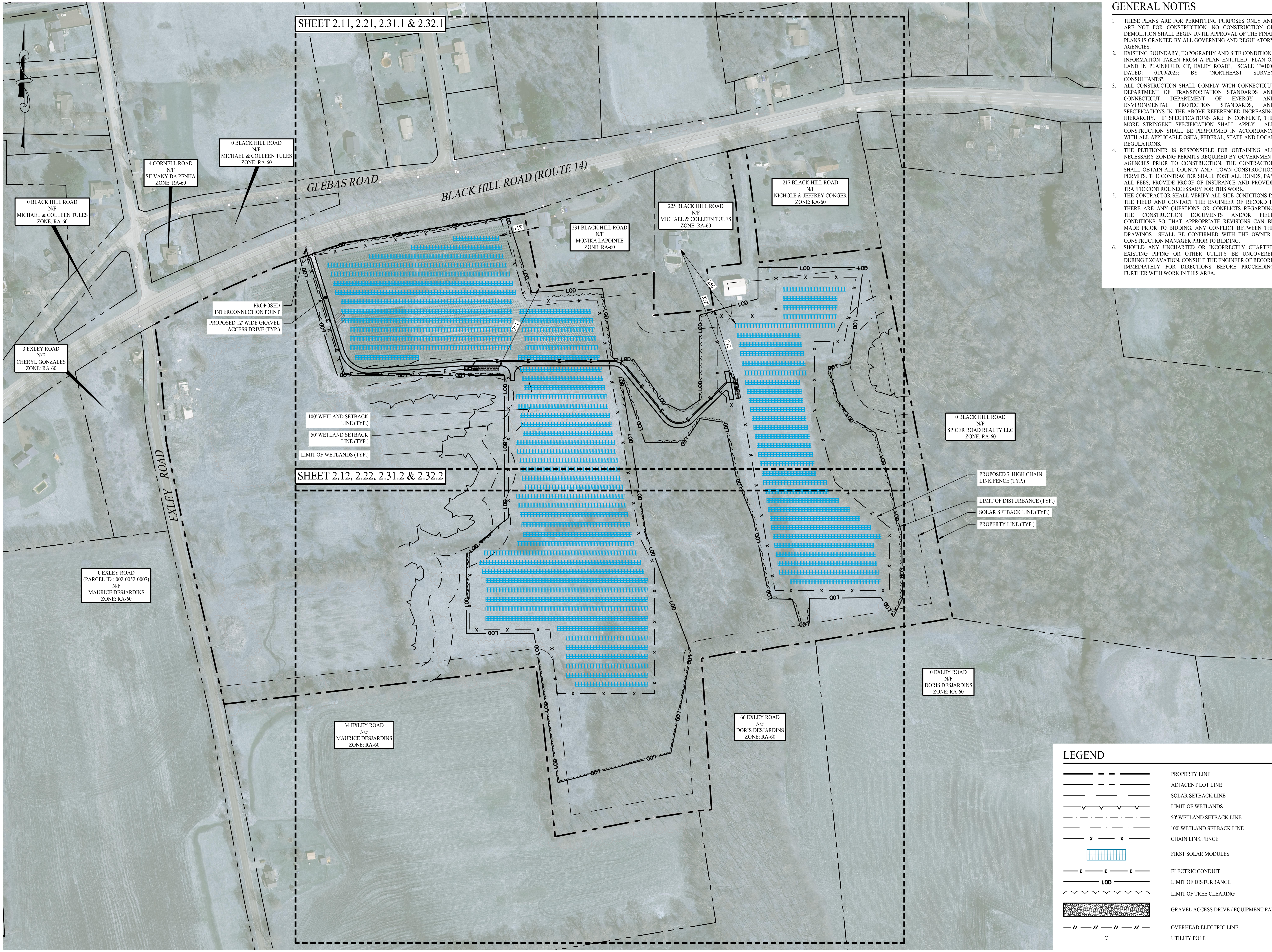
PROJECT NUMBER: 24-331 VERT. SCALE: -

DRAWING NAME: 24-331.DWG DATE: 8-12-2025

EXISTING
CONDITIONS

NORTHEAST
SURVEY
CONSULTANTS

3 FERRY STREET
STUDIO 1 EAST
EASTHAMPTON, MA 01027
(413) 203-5144



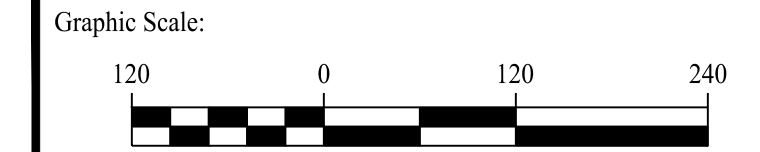
GENERAL NOTES

1. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
2. EXISTING BOUNDARY, TOPOGRAPHY AND SITE CONDITIONS INFORMATION TAKEN FROM A PLAN ENTITLED "PLAN OF LAND IN PLAINFIELD, CT, EXLEY ROAD", SCALE 1"=100', DATED: 01/09/2025, BY "NORTHEAST SURVEY CONSULTANTS".
3. ALL CONSTRUCTION SHALL COMPLY WITH CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION STANDARDS, AND SPECIFICATIONS IN THE ABOVE REFERENCED INCREASING HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
4. THE PETITIONER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL COUNTY AND TOWN CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
5. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE ENGINEER OF RECORD 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. ANY CONFLICT BETWEEN THE DRAWINGS SHALL BE CONFIRMED WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO BIDDING.
6. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE ENGINEER OF RECORD IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
7. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
8. THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE ENGINEER OF RECORD.
9. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ENGINEER OF RECORD HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
10. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
11. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE ENGINEER OF RECORD, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.
12. 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 (800) 922-4455" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.

SOLAR ARRAY SYSTEM INFORMATION

	TOTAL OUTPUT
SIZE DC	5.32 MW
SIZE AC	4.00 MW
MODULE TYPE	FIRST SOLAR SERIES 6 BI-FACIAL, 465-WATT FIXED TILT MODULES
MODULE QUANTITY	11,448
UTILITY	EVERSOURCE
SITE AREA	58.63± ACRES
PROJECT AREA	25.87± ACRES

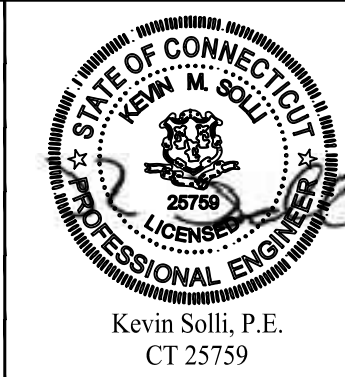
Rev. #:	Date	Description
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SOLLI
ENGINEERING

MONROE, CT | W. HARTFORD, CT | NORWOOD, MA
SOLLIENGINEERING.COM
T: (203) 880-5455 | F: (203) 880-9695

Drawn By:	ADH
Checked By:	EEL
Approved By:	KMS
Project #:	24120501
Plan Date:	08/12/25
Scale:	1" = 120'

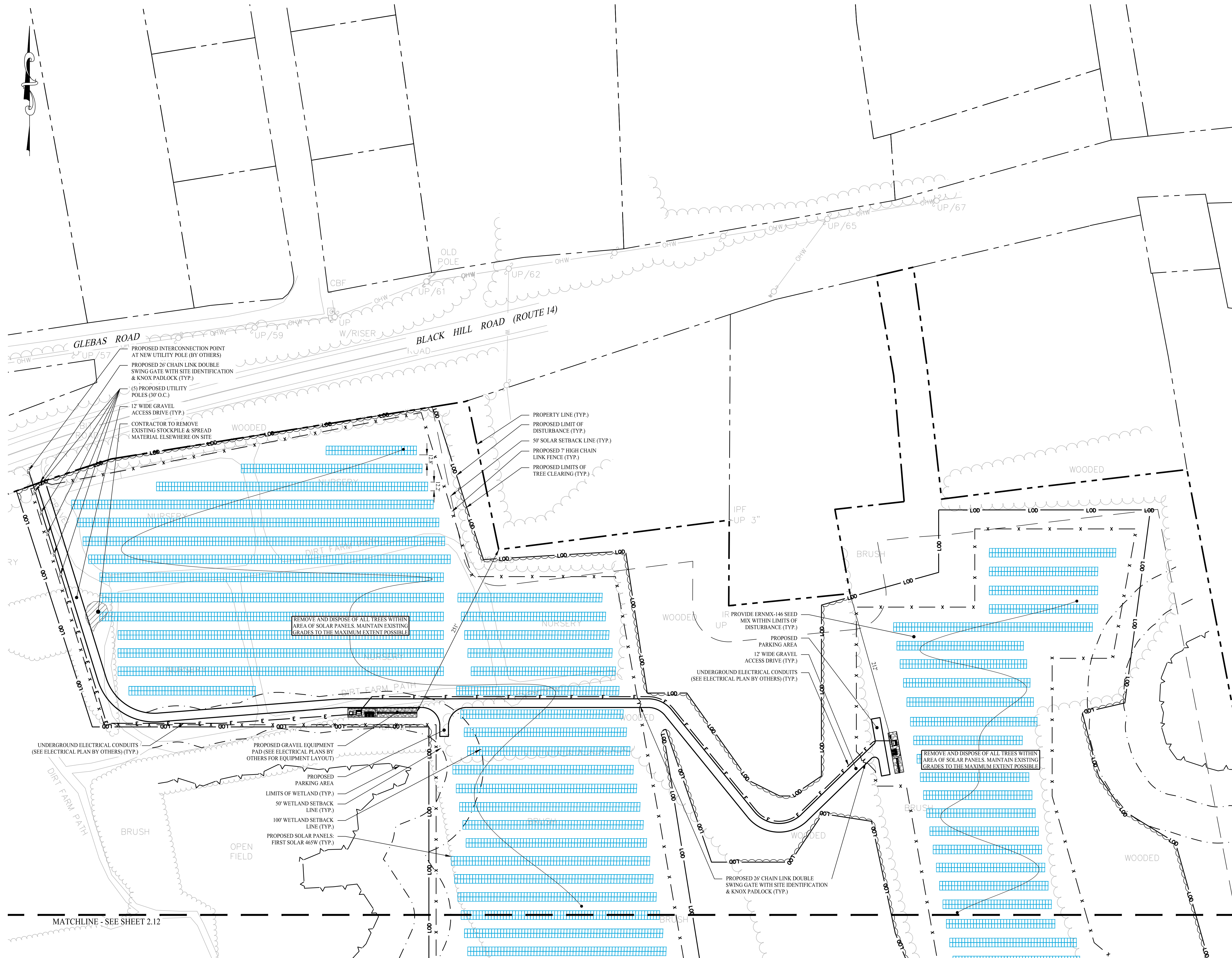


PROPOSED SOLAR PHOTOVOLTAIC ARRAY
0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT

Sheet Title:	Sheet #:
OVERALL SITE LAYOUT PLAN	2.10

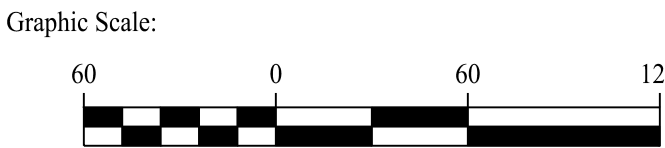
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Aug 12, 2025 - 10:56am
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LEGEND	
	PROPERTY LINE
	ADJOINING LOT LINE
	SOLAR SETBACK LINE
	LIMIT OF WETLANDS
	50' WETLAND SETBACK LINE
	100' WETLAND SETBACK LINE
	CONCRETE EQUIPMENT PAD
	CHAIN LINK FENCE
	FIRST SOLAR MODULES
	UTILITY POLE
	OVERHEAD ELECTRIC LINE
	ELECTRIC CONDUIT
	LIMIT OF DISTURBANCE
	LIMIT OF TREE CLEARING
	GRAVEL ACCESS DRIVE

Rev. #:	Date	Description
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SOLLI ENGINEERING
MONROE, CT | W. HARTFORD, CT | NORWOOD, MA
SOLLIENGINEERING.COM
T: (203) 880-5455 | F: (203) 880-9695

Drawn By:	AWC
Checked By:	EEL
Approved By:	KMS
Project #:	24120501
Plan Date:	08/12/25
Scale:	1" = 60'



Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT




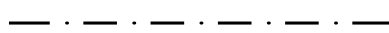










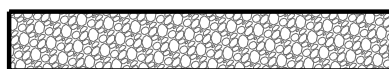
Sheet Title:
SITE LAYOUT PLAN
(SHEET 1 OF 2)

Sheet #:
2.11

FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.



LEGEND

	PROPERTY LINE
	ADJOINING LOT LINE
	SOLAR SETBACK LINE
	LIMIT OF WETLANDS
	50' WETLAND SETBACK LINE
	100' WETLAND SETBACK LINE
	CONCRETE EQUIPMENT PAD
	CHAIN LINK FENCE
	FIRST SOLAR MODULES
	UTILITY POLE
	OVERHEAD ELECTRIC LINE
	ELECTRIC CONDUIT
	LIMIT OF DISTURBANCE
	LIMIT OF TREE CLEARING
	GRAVEL ACCESS DRIVE

Rev. #: Date Description

Graphic Scale:

60
0
60
120

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 SOLLIEENGINEERING.COM
 T: (203) 880-5455 | F: (203) 880-9695

Drawn By:	<div>AWC</div>
Checked By:	<div>EEL</div>
Approved By:	<div>KMS</div>
Project #:	<div>24120501</div>
Plan Date:	<div>08/10/25</div>
Scale:	<div>1" = 60'</div>

Kevin Solli, P.E.
 CT 25759

Project: **PROPOSED SOLAR PHOTOVOLTAIC ARRAY**
 O EXLEY ROAD
 (PARCEL ID: 002-053A-0058)
 PLAINFIELD, CONNECTICUT

Sheet Title: <div style="font-size: 1.5em; font-weight: bold; text-align: center;">SITE LAYOUT PLAN</div> (SHEET 2 OF 2)	Sheet #: <div style="font-size: 2.5em; font-weight: bold; text-align: center;">2.12</div>
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Aug 12, 2025 - 10:27am
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dhorne



GRADING & DRAINAGE NOTES

1. REFER TO THE EXISTING CONDITIONS MAP FOR THE ENTIRE PROPERTY BOUNDARY AND EXISTING CONDITIONS INFORMATION. THE PLAN HEREON DEPICTS A PORTION OF THE PROPERTY IN WHICH THE SITE WORK IS BEING PROPOSED.
2. THIS DRAWING IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR DETAILS.
3. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES.
4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS FROM THE TOWN OF PLAINFIELD REQUIRED TO PERFORM ALL WORK, INCLUDING FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
6. ALL DISTURBANCE INCURRED TO TOWN OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF PLAINFIELD AUTHORITY.
7. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE OWNER AND/OR OWNERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT.
8. ALL DISTURBED AREAS ARE TO BE RESEED WITH ERNMX-146 WITHIN THE ARRAY AREA.

LEGEND

	PROPERTY LINE
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	MAJOR CONTOURS
	MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	CHAIN LINK FENCE
	LIMIT OF DISTURBANCE
	LIMIT OF TREE CLEARING

Rev. #: Date Description

Graphic Scale:



Drawn By: AWC

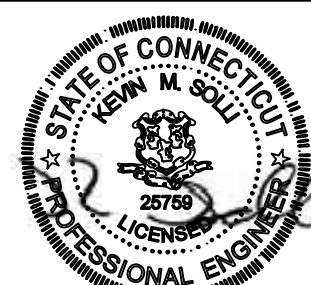
Checked By: EEL

Approved By: KMS

Project #: 24120501

Plan Date: 08/12/25

Scale: 1" = 60'



Kevin Solli, P.E.
CT 25759

Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT

Sheet Title:
GRADING & DRAINAGE PLAN
(SHEET 1 OF 2)

Sheet #:

2.21

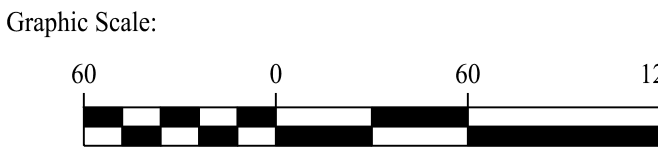
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Aug 12, 2025 - 10:57am dshore
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LEGEND	
	PROPERTY LINE
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	MAJOR CONTOURS
	MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	CHAIN LINK FENCE
	LIMIT OF DISTURBANCE
	LIMIT OF TREE CLEARING

Rev. #:	Date	Description



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SOLLIENGINEERING.COM
T: (203) 880-5455 | F: (203) 880-9695

Drawn By: AWC
Checked By: EEL
Approved By: KMS
Project #: 24120501
Plan Date: 08/12/25
Scale: 1" = 60'



Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT

Sheet Title:
GRADING & DRAINAGE PLAN
(SHEET 2 OF 2)

Sheet #:
2.22

FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION.

SEDIMENT & EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF PLAINFIELD, PERMITTEE, AND/OR SWPCP MONITOR. ALL PERIMETER SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.

2. THESE DRAWINGS ARE ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL MEASURES FOR THIS SITE. SEE CONSTRUCTION SEQUENCE FOR ADDITIONAL INFORMATION. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN ARE SHOWN AS REQUIRED BY THE ENGINEER OF RECORD. 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 WATERBODIES. 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, ENGINEER OF RECORD, 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, COMPOSITE FILTER SOCK, EROSION CONTROL BLANKET, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.

7. ALL FILL MATERIAL PLACED ADJACENT TO ANY WETLAND AREA SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN MAXIMUM ONE FOOT LIFTS, AND SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.

8. PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING ORANGE SAFETY FENCE, CONSTRUCTION TAPE, OR EQUIVALENT FENCING TAPE. ANY LIMB TRIMMING SHOULD BE DONE AFTER CONSULTATION WITH AN ARBORIST AND BEFORE CONSTRUCTION BEGINS IN THAT AREA. FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.

9. CONSTRUCTION ENTRANCES (ANTI-TRACKING PADS) SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF ALL CONSTRUCTION. IF REQUIRED, THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED. CONTRACTOR SHALL ENSURE THAT ALL VEHICLES EXITING THE SITE ARE PASSING OVER THE ANTI-TRACKING PADS PRIOR TO EXITING.

10. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SEDIMENT BARRIER UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE BARRIER.

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

12. DIRECT ANY Dewatering PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE CONFORMING TO THE GUIDELINES WITHIN THE APPROVED LIMIT OF DISTURBANCE IF REQUIRED. DISCHARGE TO STORM DRAINS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR AND APPROVED BY THE PERMITTEE OR MUNICIPALITY.

13. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES AND SECURED APPROPRIATELY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE CONTAINMENT.

14. MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR RUTE 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 14 DAYS ACCORDING TO DEEP GENERAL PERMIT SECTION 52(A)(6).

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. ACCORDING TO DEEP GENERAL PERMIT SECTION 50a)(1)(b)(iii), WHEREVER PRACTICABLE, SITE CONSTRUCTION ACTIVITIES SHALL BE PHASED TO AVOID THE DISTURBANCE OF OVER FIVE ACRES AT ONE TIME.

19. ALL DISTURBED AREAS ARE TO BE RESEEDED WITH ERNMX-146.

20. REFER TO SHEET 2.41 FOR SEDIMENT & EROSION CONTROL NARRATIVE & DETAILS.

CONSTRUCTION SEQUENCE (PHASE I)

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 CHANGE IN SEQUENCING AND/OR METHODS MAY REQUIRE REGULATORY APPROVAL PRIOR TO IMPLEMENTATION.

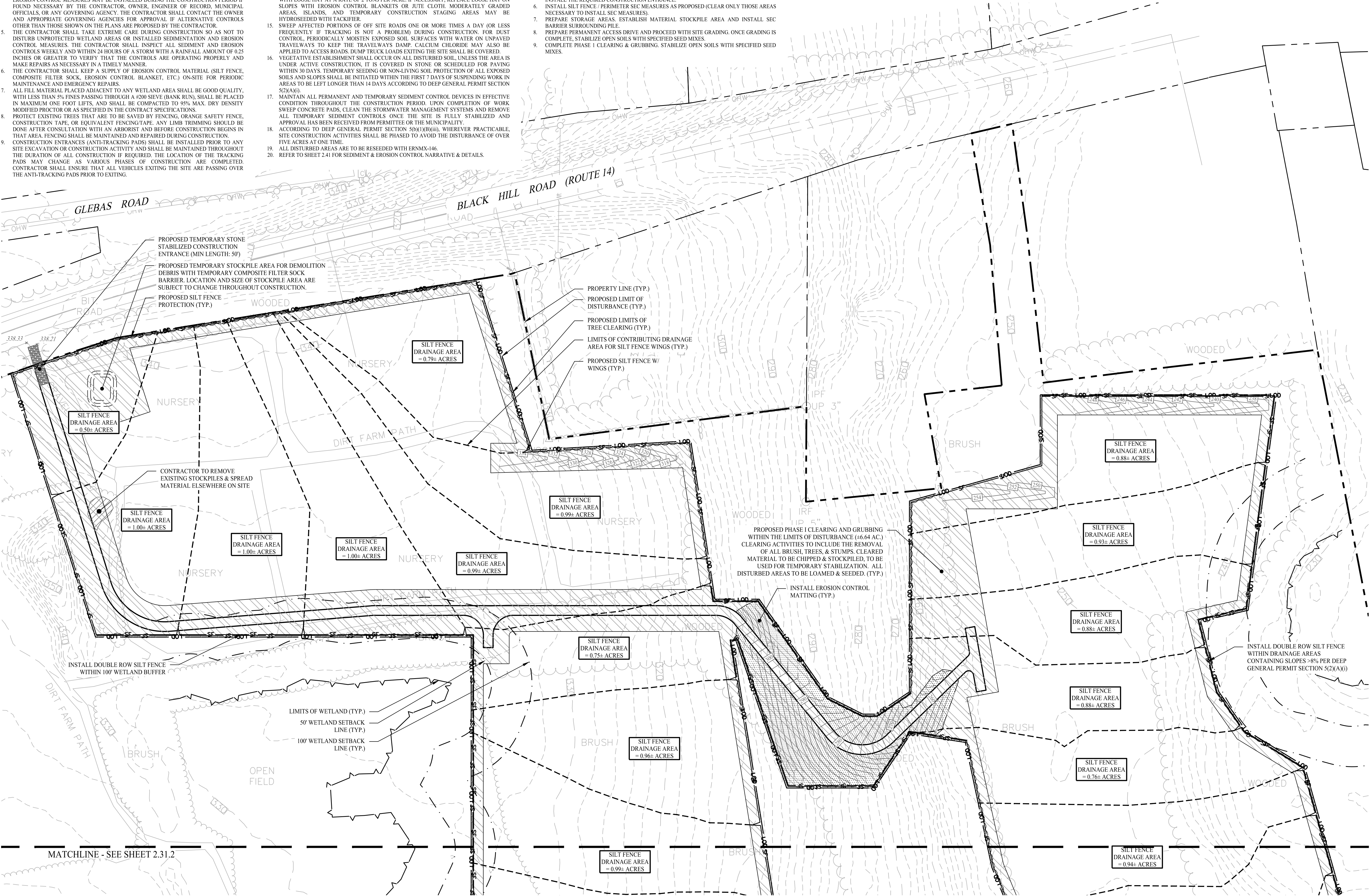
1. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING, PHYSICALLY FLAG THE LIMITS OF DISTURBANCE IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
2. CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROPOSED WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY THE OWNER, THE OWNER'S REPRESENTATIVES, 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.
4. REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL DISTURBANCE TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCE.
6. INSTALL SILT FENCE / PERIMETER SEC MEASURES AS PROPOSED (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SEC MEASURES).
7. PREPARE STORAGE AREAS, ESTABLISH MATERIAL STOCKPILE AREA AND INSTALL SEC BARRIER SURROUNDING PILE.
8. PREPARE PERMANENT ACCESS DRIVE AND PROCEED WITH SITE GRADING. ONCE GRADING IS COMPLETE, STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.
9. COMPLETE PHASE I CLEARING & GRUBBING. STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.

CONSTRUCTION OPERATION & MAINTENANCE PLAN

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

LEGEND

- PROPERTY LINE
- SILT FENCE PROTECTION
- MATERIAL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- PHASE I CLEARING AND GRUBBING
- EROSION CONTROL MATTING



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MONROE, CT | W. HARTFORD, CT | NORWOOD, MA

SOLLIENGINEERING.COM

T: (203) 880-5455 | F: (203) 880-9695

Drawn By:

Checked By:

Approved By:

Project #:

Plan Date:

Scale:

AWC

EEL

KMS

24120501

08/12/25

1" = 60'

STATE OF CONNECTICUT

KEVIN M. SOLLI

25709

PROFESSIONAL ENGINEER

Kevin Solli, P.E.

CT 25759

Project:

PROPOSED SOLAR PHOTOVOLTAIC ARRAY

0 EXLEY ROAD

(PARCEL ID: 002-053A-0058)

PLAINFIELD, CONNECTICUT

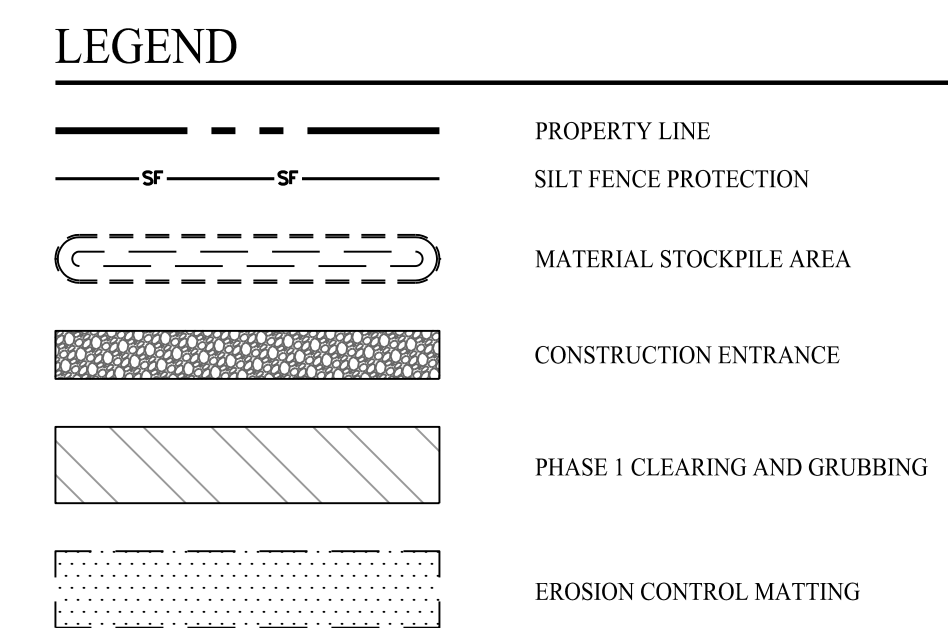
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SOIL EROSION & SEDIMENT CONTROL PHASE I (SHEET 1 OF 2)

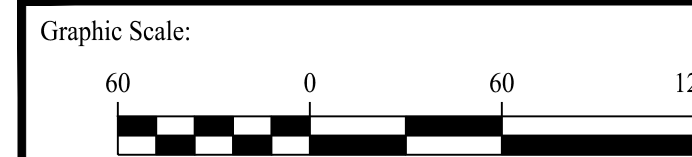
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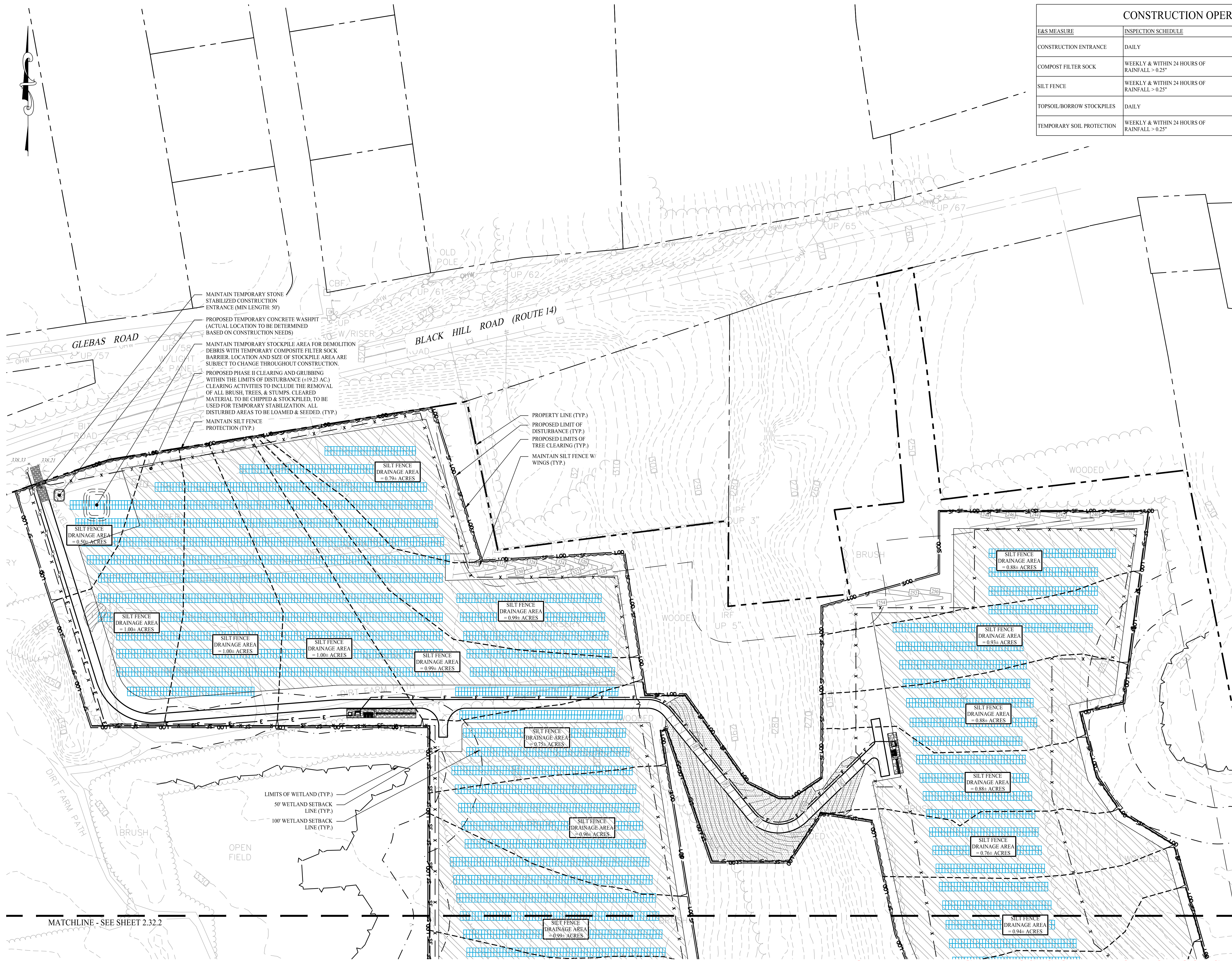
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PHOTOVOLTAIC ARR**
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(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT

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

CONSTRUCTION SEQUENCE (PHASE II)

- PHASE II:
1. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
 2. COMPLETE PHASE 2 CLEARING AND GRUBBING. STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.
 3. INSTALL RACKING POSTS FOR SOLAR PANELS.
 4. INSTALL SOLAR PANELS AND COMPLETE ELECTRIC INSTALLATION.
 5. COMPLETE REMAINING SITE WORK, INCLUDING CHAIN LINK FENCE, EQUIPMENTS PADS, AND INTERCONNECTION ROUTE. STABILIZE ALL DISTURBED AREAS THROUGHOUT CONSTRUCTION.
 6. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
 7. PER APPENDIX I (H)(1)(C)(iii); FOR SLOPES GREATER THAN OR EQUAL TO 8%, EROSION CONTROL BLANKETS OR STUMP GRINDINGS OR EROSION CONTROL MIX MULCH OR HYDROSEED WITH TACKIFIER SHALL BE APPLIED WITHIN 72 HOURS OF FINAL GRADING, OR WHEN A RAINFALL OF 0.5 INCHES OR GREATER IS PREDICTED WITHIN 24 HOURS OF FINAL GRADING, WHICHEVER TIME PERIOD IS LESS.
 8. PREPARE SITE FOR FINAL GRADING.
 9. FINE GRADE, RAKE, SEED, AND MULCH ALL REMAINING DISTURBED AREAS.
 10. CONTRACTOR / CONSTRUCTION MANAGER TO COORDINATE WITH ENGINEER OF RECORD AND TOWN OF PLAINFIELD AGENT TO OBTAIN STABILIZED SITE STATUS.
 11. CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION REPORT IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED.

LEGEND

- PROPERTY LINE
- SILT FENCE PROTECTION
- MATERIAL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- CONCRETE WASHPIT
- PHASE 2 CLEARING AND GRUBBING
- EROSION CONTROL MATTING

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T: (203) 880-5455 | F: (203) 880-9695

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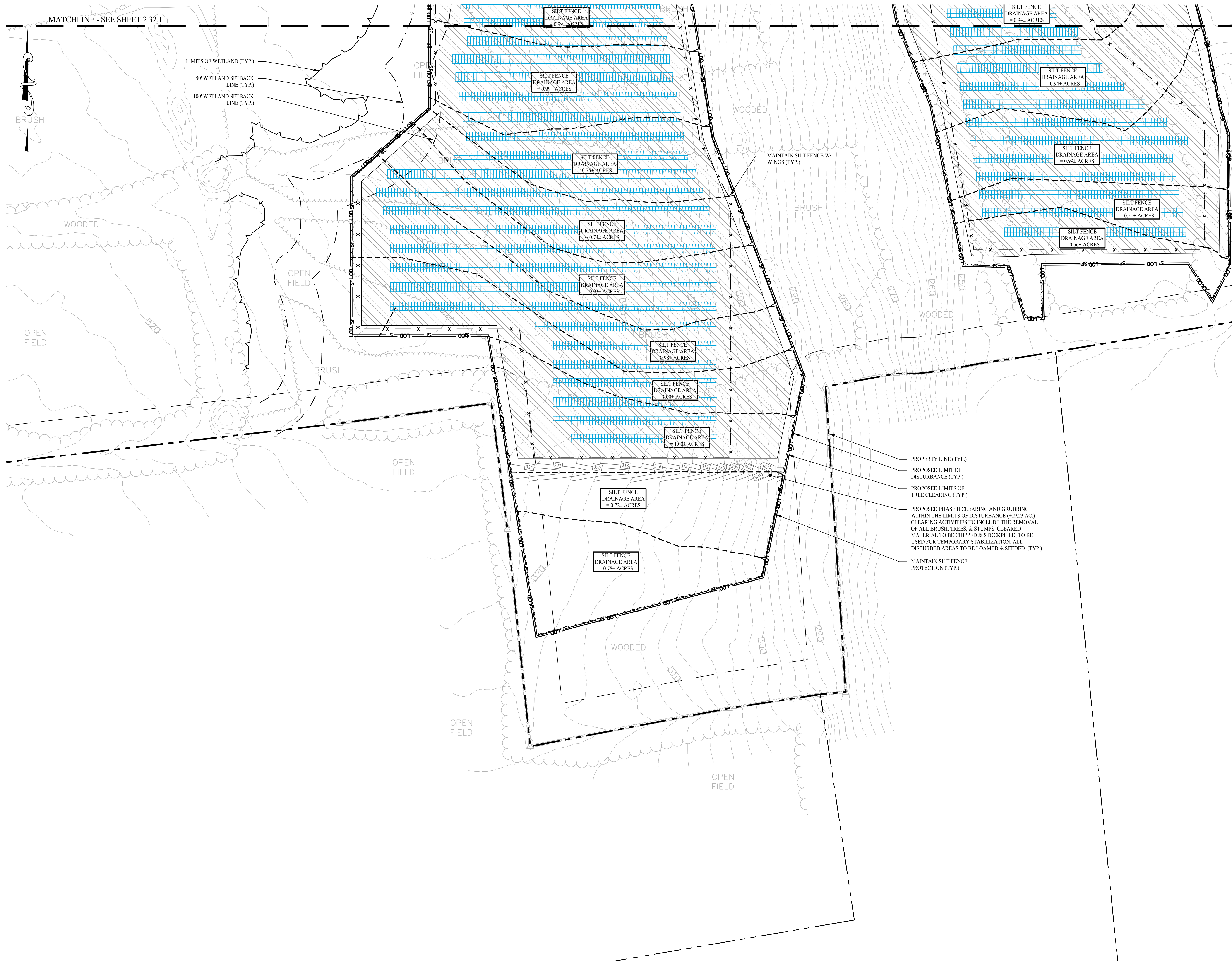
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PROPOSED SOLAR PHOTOVOLTAIC ARRAY
0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT

Sheet Title:
SOIL EROSION
& SEDIMENT
CONTROL
PHASE II
(SHEET 1 OF 2)

Sheet #:
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LEGEND	
	PROPERTY LINE
	SILT FENCE PROTECTION
	MATERIAL STOCKPILE AREA
	CONSTRUCTION ENTRANCE
	CONCRETE WASHPIT
	PHASE 2 CLEARING AND GRUBBING
	EROSION CONTROL MATTING

- PROPERTY LINE (TYP.)
- PROPOSED LIMIT OF DISTURBANCE (TYP.)
- PROPOSED LIMITS OF TREE CLEARING (TYP.)
- PROPOSED PHASE II CLEARING AND GRUBBING WITHIN THE LIMITS OF DISTURBANCE (±19.23 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.)
- MAINTAIN SILT FENCE PROTECTION (TYP.)

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PROPOSED SOLAR PHOTOVOLTAIC ARRAY			
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SOIL EROSION & SEDIMENT CONTROL PHASE II (SHEET 2 OF 2)		2.32.2	

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SOIL EROSION & SEDIMENT CONTROL NOTES

SEDIMENT & EROSION CONTROL NARRATIVE
THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND WATER COURSE FROM SEDIMENT-LADEN SURFACE RUNOFF AND EROSION.

CONSTRUCTION SCHEDULE
THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS FALL 2025 WITH COMPLETION ANTICIPATED BY SPRING 2026. APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL SITE CLEARING OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN
THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE LAND USE AGENTS OF THE TOWN OF PLAINFIELD AND PROJECT ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

- OPERATION REQUIREMENTS
CLEARING, GRUBBING & DEMOLITION OPERATIONS:
- ALL SEDIMENTATION AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CLEARING, GRUBBING AND DEMOLITION OPERATIONS.
 - FOLLOWING INSTALLATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING, FILLING, OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER OF RECORD HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
 - THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING, GRUBBING, AND DEMOLITION OPERATIONS SO AS NOT TO DISTURB SEDIMENTATION AND EROSION CONTROL DEVICES AS WELL AS EXISTING LANDSCAPED AREAS.
 - FOLLOWING THE COMPLETION OF CLEARING, GRUBBING, AND DEMOLITION OPERATIONS, ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING, PROCESSED AGGREGATE STONE, OR DISPERSED HAY AS SOON AS PRACTICAL.

- ROUGH GRADING OPERATIONS:
- DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.
 - ALL STOCKPILED TOPSOIL SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE OR STRAW WATTLE BARRIER.

- FILLING OPERATIONS:
- PRIOR TO FILLING, ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED, AS DIRECTED BY THE ENGINEER OF RECORD, MUNICIPAL LAND USE AGENT AND AS SHOWN ON THIS PLAN.
 - ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), AND SHALL BE PLACED IN LIFT THICKNESS NOT GREATER THAN THAT SPECIFIED IN PROJECT SPECIFICATIONS. LIFTS SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS OR IN THE GEOTECHNICAL REPORT.
 - AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY DIVERSION DITCHES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERT SURFACE RUNOFF TO THE SEDIMENT TRAPS AND BASIN (IF APPLICABLE).

- PLACEMENT OF DRAINAGE STRUCTURES, UTILITIES, AND ROADWAY CONSTRUCTION OPERATIONS:
- SILT FENCES AND STRAW WATTLE SHALL BE INSTALLED AT THE DOWNHILL SIDES OF TEMPORARY TRAPS, MUD PUMP DISCHARGES, AND UTILITY TRENCH MATERIAL STOCKPILES. HAY BALES MAY BE USED IF SHOWN ON THE EROSION CONTROL PLANS OR IF DIRECTED BY THE ENGINEER OF RECORD.

- FINAL GRADING AND PAVING OPERATIONS:
- ALL INLET AND OUTLET PROTECTION SHALL BE PLACED AND MAINTAINED AS SHOWN ON EROSION CONTROL PLANS AND DETAILS, AND AS DESCRIBED IN SPECIFICATIONS AND AS DESCRIBED HEREIN.
 - NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND ANY ROAD OR DRIVEWAY SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
 - PAVEMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED.
 - AFTER CONSTRUCTION OF PAVEMENT, TOPSOIL, FINAL SEEDING, MULCH AND LANDSCAPING, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED AND THE SITE HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER OF RECORD.

INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

- I. STRAW WATTLE:
- STRAW WATTLE BARRIERS TO BE PLACED IN ACCORDANCE WITH SHEET 2.31. ALL DAMAGED BARRIERS AND POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED AS NECESSARY.
 - STRAW WATTLE BARRIERS TO BE SECURED BY EITHER SAND BAG (IMPERVIOUS AREAS) OR BY WOOD STAKE HAMMERED INTO GROUND (PERVIOUS AREAS).
 - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE BARRIER WHEN THEY EXCEED 3-4 INCHES IN HEIGHT.
- II. CONSTRUCTION ENTRANCE:
- REMOVE ALL VEGETATION AND OTHER MATERIALS FROM THE FOUNDATION AREA, GRADE AND CROWN FOUNDATION FOR POSITIVE DRAINAGE.
 - PLACE 1-3" STONE A MINIMUM OF 50 FEET ALONG THE FULL WIDTH OF THE CONSTRUCTION ACCESS ROAD. AGGREGATE SHOULD BE PLACED AT LEAST 6" THICK.
 - GEOTEXTILE FILTER FABRIC SHALL BE PLACED BETWEEN STONE FILL AND EARTH SURFACE TO REDUCE THE MIGRATION OF

- SOIL PARTICLES FROM THE UNDERLYING SOIL INTO THE STONE AND VICE VERSA.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE.
 - FILTER FABRIC FENCE SHALL BE INSTALLED DOWN GRADIENT FROM THE CONSTRUCTION ENTRANCE IN ORDER TO CONTAIN ANY SEDIMENT-LADEN RUNOFF FROM THE ENTRANCE.

- III. SILTATION FENCE:
- DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
 - POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
 - LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
 - BACKFILL THE TRENCH AND COMPACT.

OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES

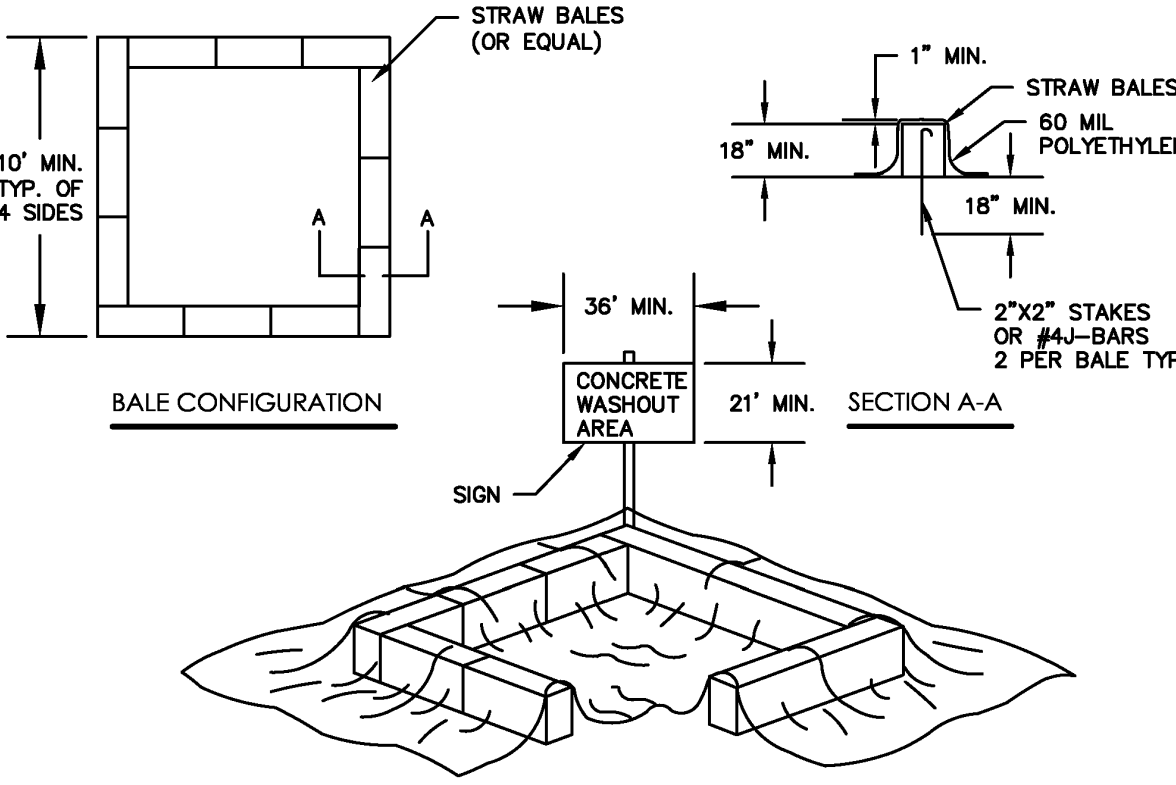
- I. STRAW WATTLE:
- ALL STRAW WATTLE BARRIERS SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
 - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE BARRIERS WHEN THEY EXCEED A HEIGHT OF 4 INCHES.

- II. CONSTRUCTION ENTRANCE:
- THE CONSTRUCTION ENTRANCE AND FENCE SHALL BE INSPECTED AT A MINIMUM WEEKLY AND AFTER HEAVY RAINS OR HEAVY USE.
 - REMOVE MUD AND HEAVY SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD IMMEDIATELY.
 - THE GRAVEL PAD SHALL BE TOPDRESSED WITH NEW STONE WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE GRAVEL.
 - RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
 - REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

- III. SILTATION FENCE:
- ALL SILTATION FENCES SHALL BE INSPECTED AT A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
 - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.

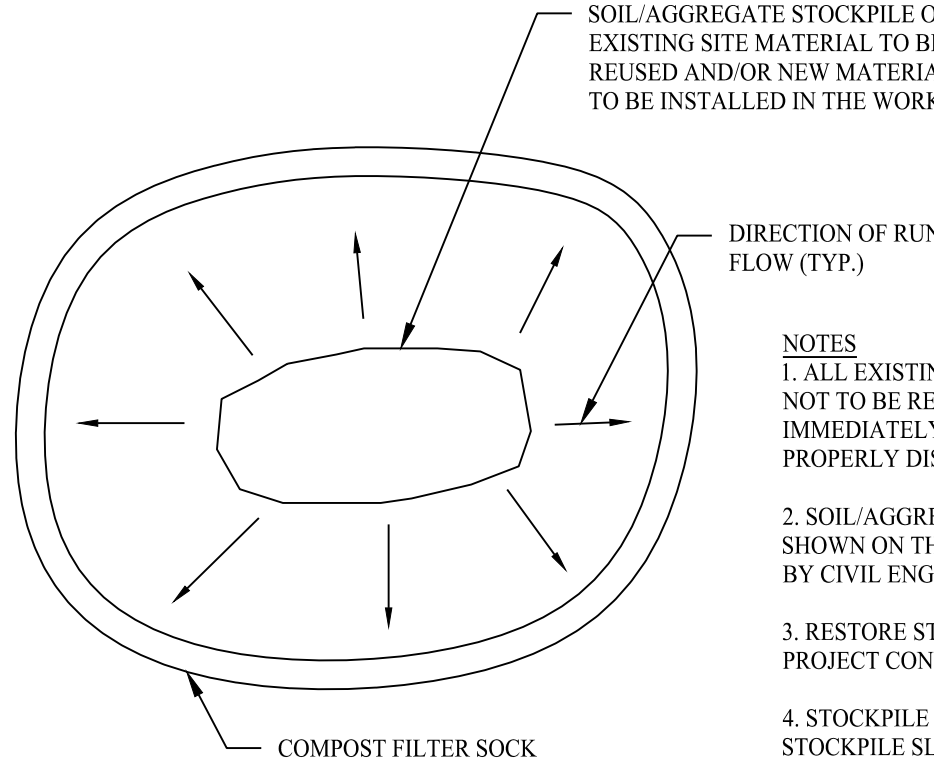
EROSION AND SEDIMENT CONTROL PLAN

- HAY BALE FILTERS OR SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS IF CULVERT OUTLETS ARE APPLICABLE TO THIS PROJECT AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP CHANNELS; ENERGY DISSIPATORS WILL BE INSTALLED AS SHOWN ON THESE PLANS AND AS NECESSARY.
- CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS, SILT SACKS, SILTATION FENCE, OR OTHER INLET PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR AS DIRECTED BY THE ENGINEER OF RECORD OR BY LOCAL GOVERNING OFFICIALS.
- SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE EROSION CONTROL PLANS, NOTES, AND DETAILS.
- THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.



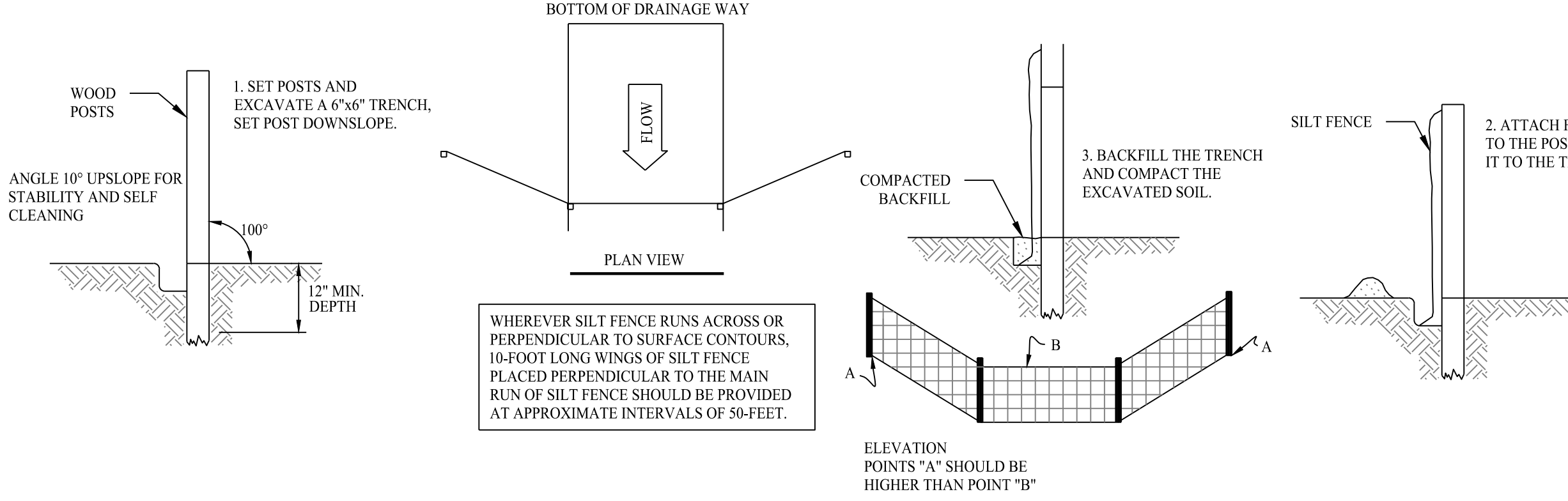
CONCRETE WASH PIT DETAIL

SCALE: NTS



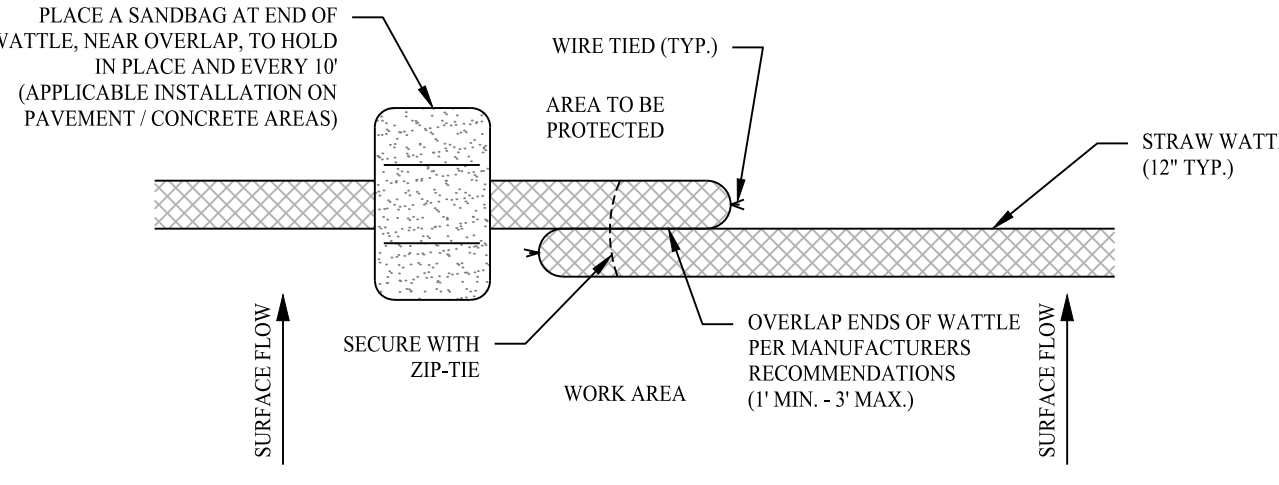
MATERIALS STOCKPILE DETAIL

SCALE: NTS



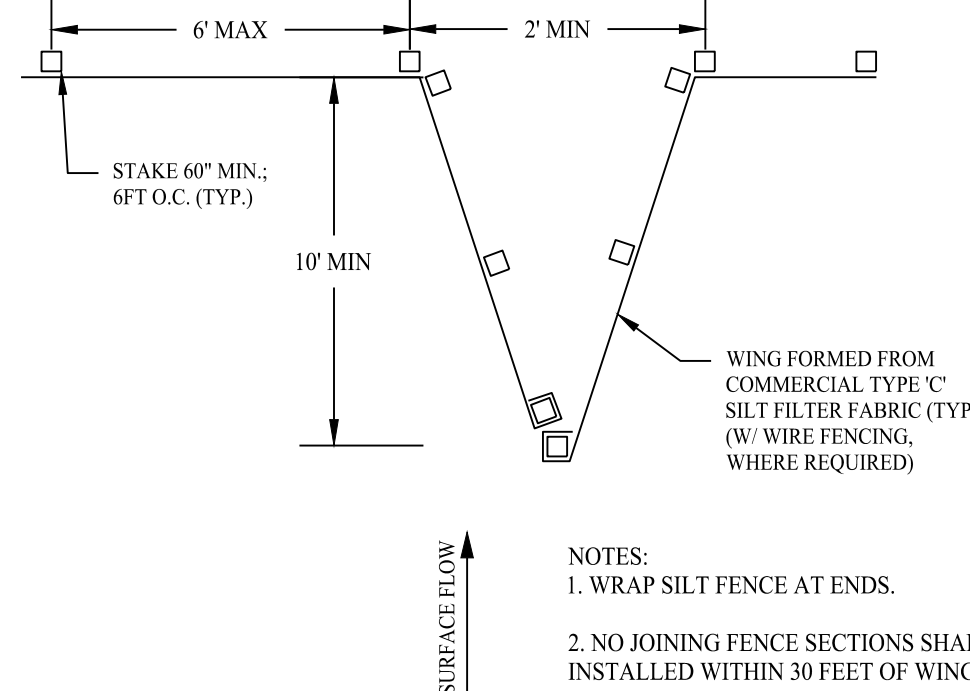
SILT FENCE PROTECTION DETAIL

SCALE: NTS



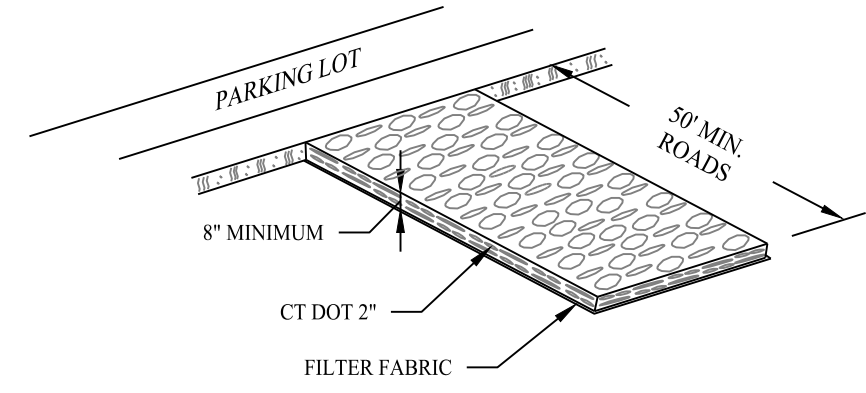
COMPOST FILTER SOCK

SCALE: NTS



SILT FENCE WING DETAIL

SCALE: NTS



GRADATION TABLE

SQUARE MESH SIEVES	CONN. DOT 2" CRUSHED GRAVEL	ASTM C-33 NO. 2	ASTM C-33 NO. 3
	% FINER	% FINER	% FINER
2 1/2 INCHES	100	90-100	100
2 INCHES	95-100	35-70	90-100
1 1/2 INCHES	35-70	0-15	35-70
1 1/4 INCHES	0-25	—	—
1 INCHES	0-10	—	0-15
3/4 INCHES	—	0-5	—
1/2 INCHES	—	—	0-5
3/8 INCHES	—	—	—

SOURCE:
U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE,
STORRS, CONNECTICUT

CONSTRUCTION ENTRANCE

SCALE: NTS

Rev. #:	Date	Description
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MONROE, CT | W. HARTFORD, CT | NORWOOD, MA
SOLLIENGINEERING.COM
T: (203) 880-5455 | F: (203) 880-9695

Drawn By:	ADH
Checked By:	EEL
Approved By:	KMS
Project #:	24120501
Plan Date:	08/12/25
Scale:	NTS

Kevin Solli, P.E.
CT 25759

Project:

PROPOSED SOLAR PHOTOVOLTAIC ARRAY

0 EXLEY ROAD
(PARCEL ID: 002-053A-0058)
PLAINFIELD, CONNECTICUT

Sheet Title:	SOIL EROSION & SEDIMENT CONTROL DETAILS
Sheet #:	2.41



- SCALE: NTS

