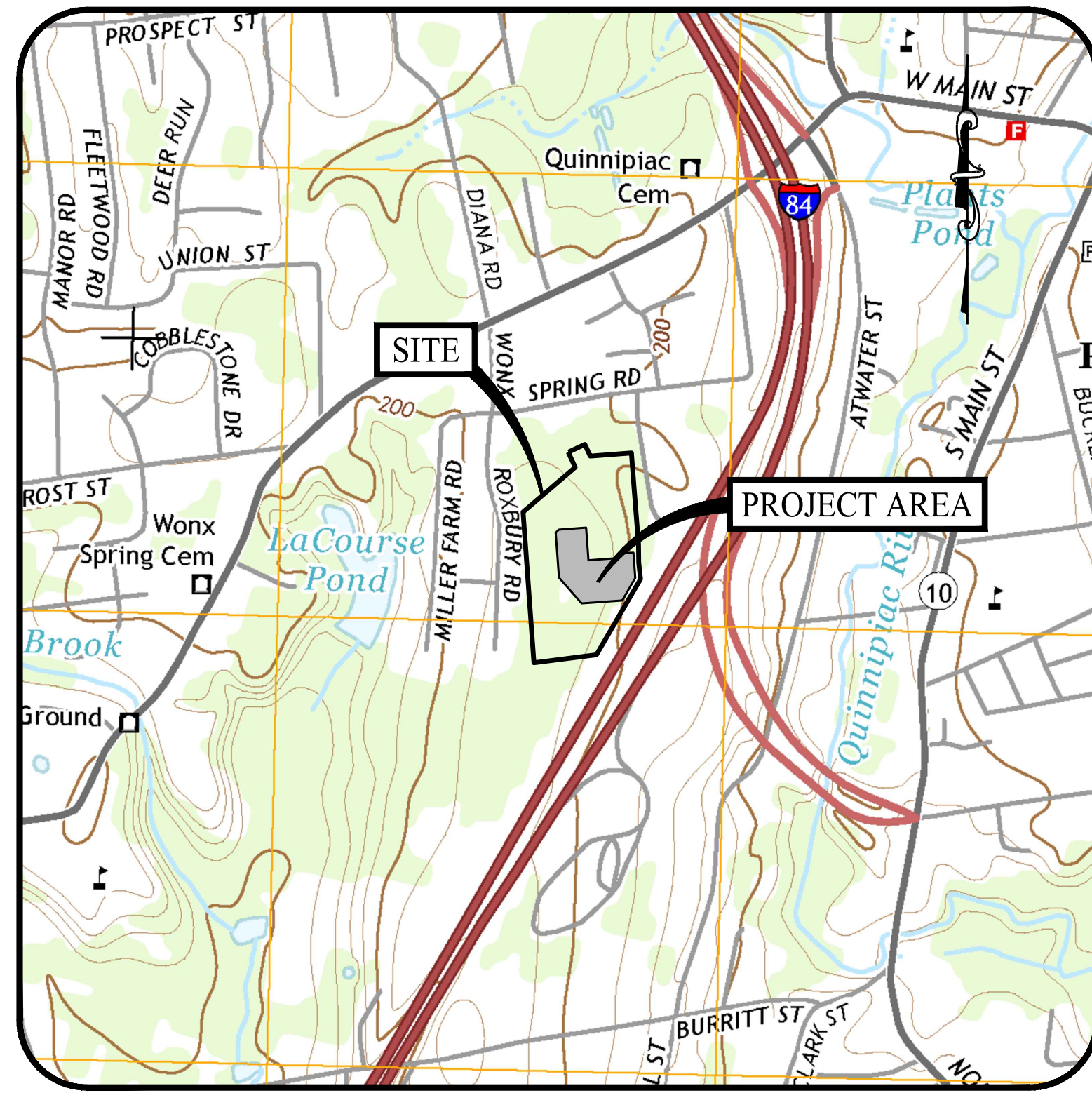


## Appendix B: Site Plans

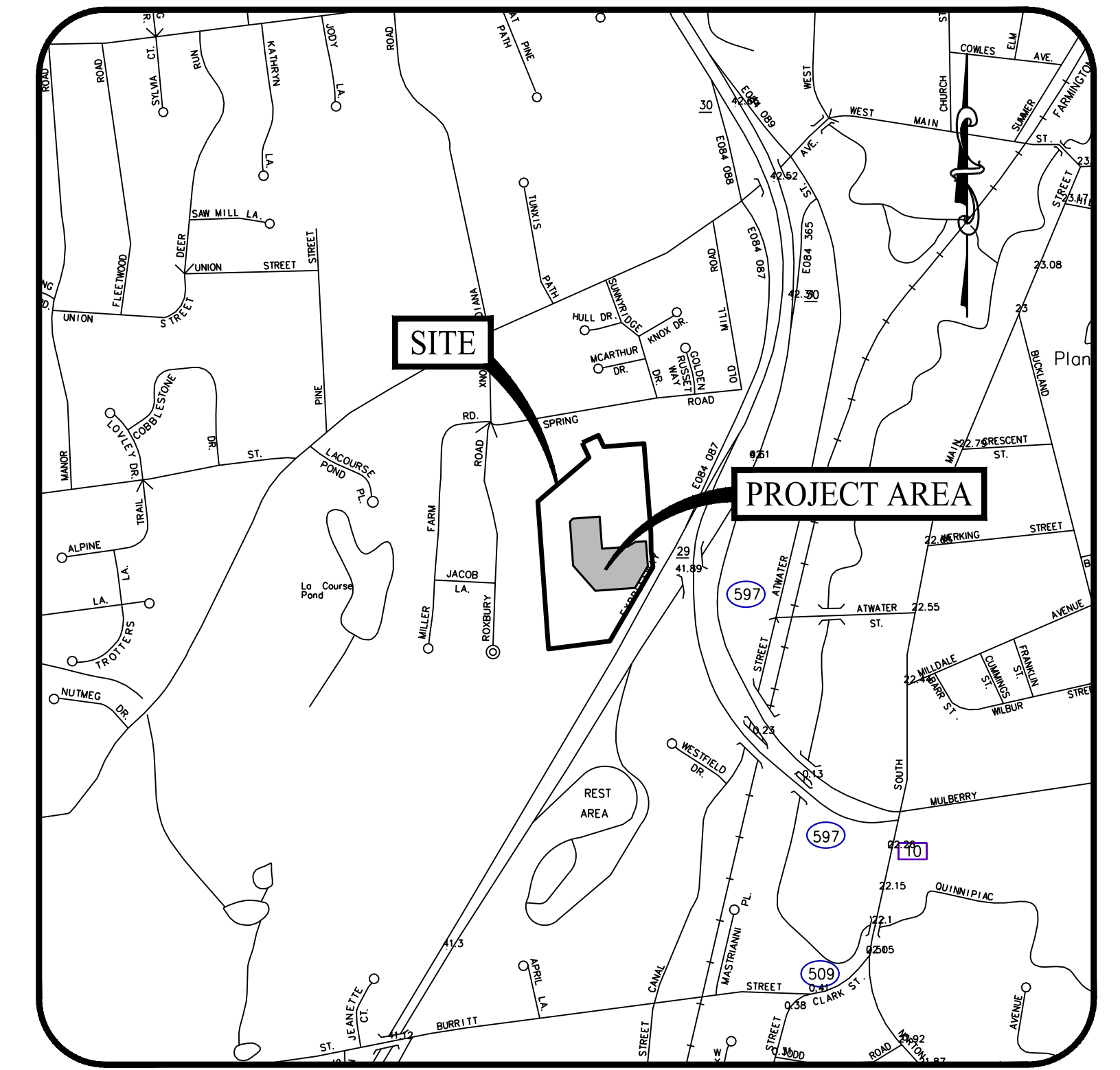


USGS MAP

SCALE: 1" = 1,000'

# PROPOSED 0.99 MW AC SOLAR PHOTOVOLTAIC ARRAY

37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT



LOCATION MAP

SCALE: 1" = 1,000'

PREPARED FOR:



888 PROSPECT STREET, SUITE 200  
LA JOLLA, CALIFORNIA

PREPARED BY:



501 MAIN STREET, MONROE, CONNECTICUT 06468  
11 VANDERBILT AVENUE, NORWOOD, MASSACHUSETTS 02062



**OWNER**

BAYBERRY WOODS LLC  
258 SHORE AVENUE  
GROTON, CONNECTICUT 06340

**APPLICANT**

TRITEC AMERICAS, LLC  
888 PROSPECT STREET, SUITE 200  
LA JOLLA, CALIFORNIA 92307

**PROPERTY INFORMATION**

ADDRESS: 37 HUNTERS LANE, SOUTHINGTON, CT  
MAP-BLOCK-LOT: 062 // 142  
ZONE: R-12  
AREA: 24.25 AC  
BOOK/PAGE: 1434/0480

**SOIL SCIENTIST**

WILLIAM KENNY, PWS, PLA  
WILLIAM KENNY ASSOCIATES  
195 TUNXIS HILL, CUTOFF SOUTH  
FAIRFIELD, CT 06825  
(203) 366-0588

**ELECTRICAL ENGINEER**

PURE POWER ENGINEERING, INC  
111 RIVER STREET, SUITE 1110  
HOBOKEN, NEW JERSEY 07030  
(201) 687-9975

**SITE / CIVIL 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

**LANDSCAPE ARCHITECT**

MARY BLACKBURN, P.L.A.,  
LICENSE CT NO. 1499  
SOLLI ENGINEERING, LLC  
501 MAIN STREET  
MONROE, CONNECTICUT 06468  
(203) 880-5455

**SURVEYOR OF RECORD**

STEPHEN M. GIUDICE, L.S.,  
LICENSE NO. 70145  
HARRY E. COLE & SON  
876 S MAIN STREET, P.O. BOX 44  
PLANTSVILLE, CONNECTICUT 06479-0044  
(860) 628-4484

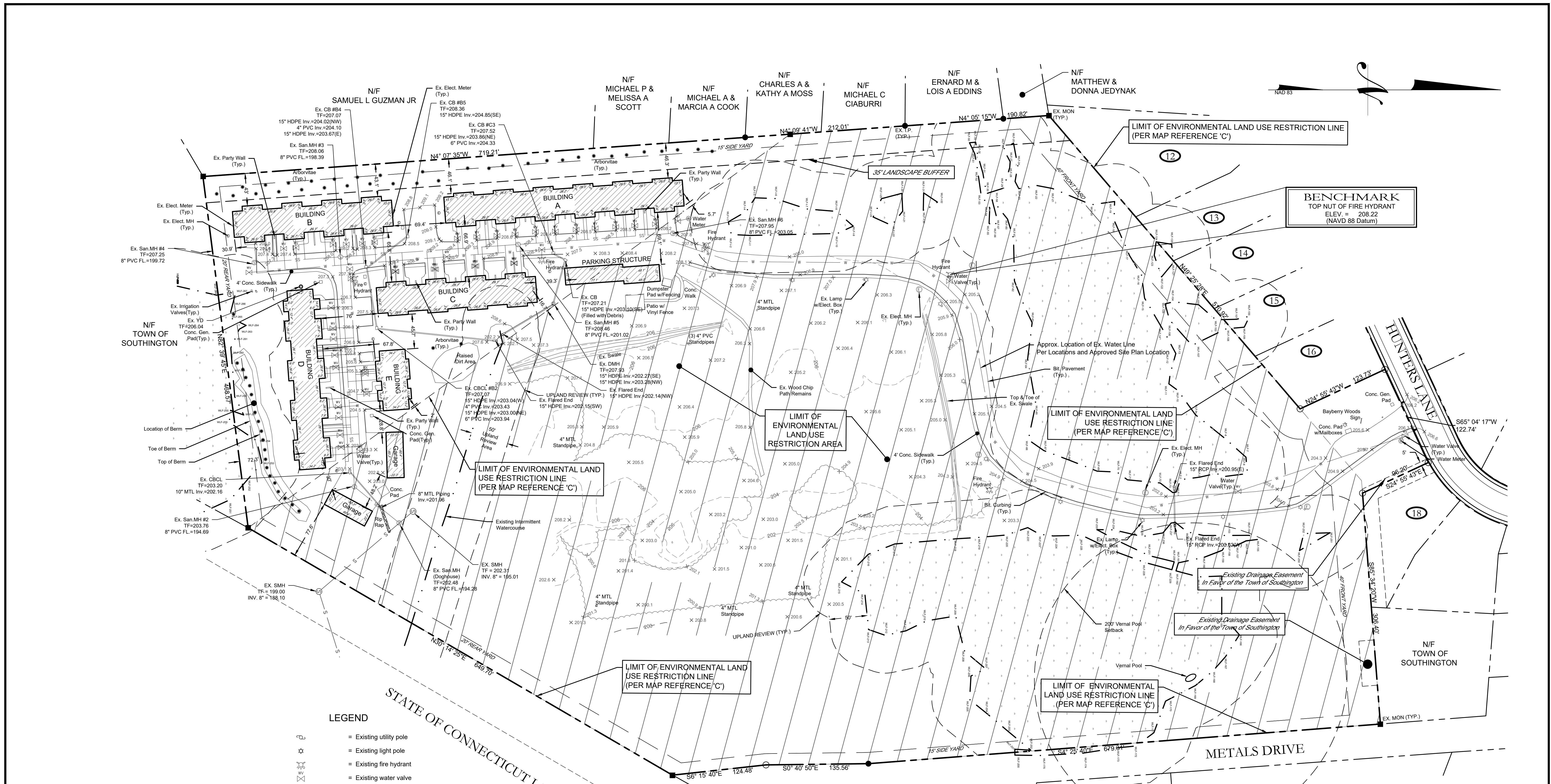
**DRAWING LIST**

SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION
0.00	COVER SHEET	12/13/23	N/A
--	EXISTING CONDITIONS PLAN	05/23/23	N/A
2.10	OVERALL SITE PLAN	12/13/23	N/A
2.11	SITE LAYOUT PLAN	12/13/23	N/A
2.21	GRADING & DRAINAGE PLAN	12/13/23	N/A
2.31	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE I	12/13/23	N/A
2.32	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE II	12/13/23	N/A
2.41	SOIL EROSION & SEDIMENT CONTROL DETAILS	12/13/23	N/A
3.01	CONSTRUCTION DETAILS	12/13/23	N/A

Rev. #: Date Description

Project:  
**PROPOSED SOLAR  
PHOTOVOLTAIC ARRAY**  
37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

Sheet Title: **COVER SHEET** Sheet #: **0.00**



**LEGEND**

- = Existing utility pole
- = Existing light pole
- = Existing fire hydrant
- = Existing water valve
- = Existing gas valve
- = Existing underground pipe
- = Existing edge of pavement
- = Existing bituminous concrete lip curb
- = Existing well
- = Existing catch basin
- = Existing drainage manhole
- = Existing sanitary manhole
- = Existing utility box
- = Existing contour
- = Existing spot elevation
- = Existing iron pin
- = Existing drill hole
- = Existing monument

- SURVEY NOTES:**
- This map has been prepared pursuant to the Regulation 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, 1996.
  - Boundary determination category: Resurvey  
Class of accuracy:  
Horizontal: A-2  
Vertical: T-2
  - The intent of this map is to depict the position horizontally and, where required vertically, between particular existing or proposed improvements with respect to the applicable municipal or statutory requirements.
  - Map References:  
a.) As Built Site Plan, Zoning Location Survey - Record, Bayberry Woods, Prepared for Wonk Road Partnership, LLC; Scale: 1"=60'; Dated: August 10, 2021; Last Revised: Feb. 18, 2022 by Harry E. Cole & Son."
  - No boundary corners were set by this survey unless noted hereon.
  - Zone: R-12

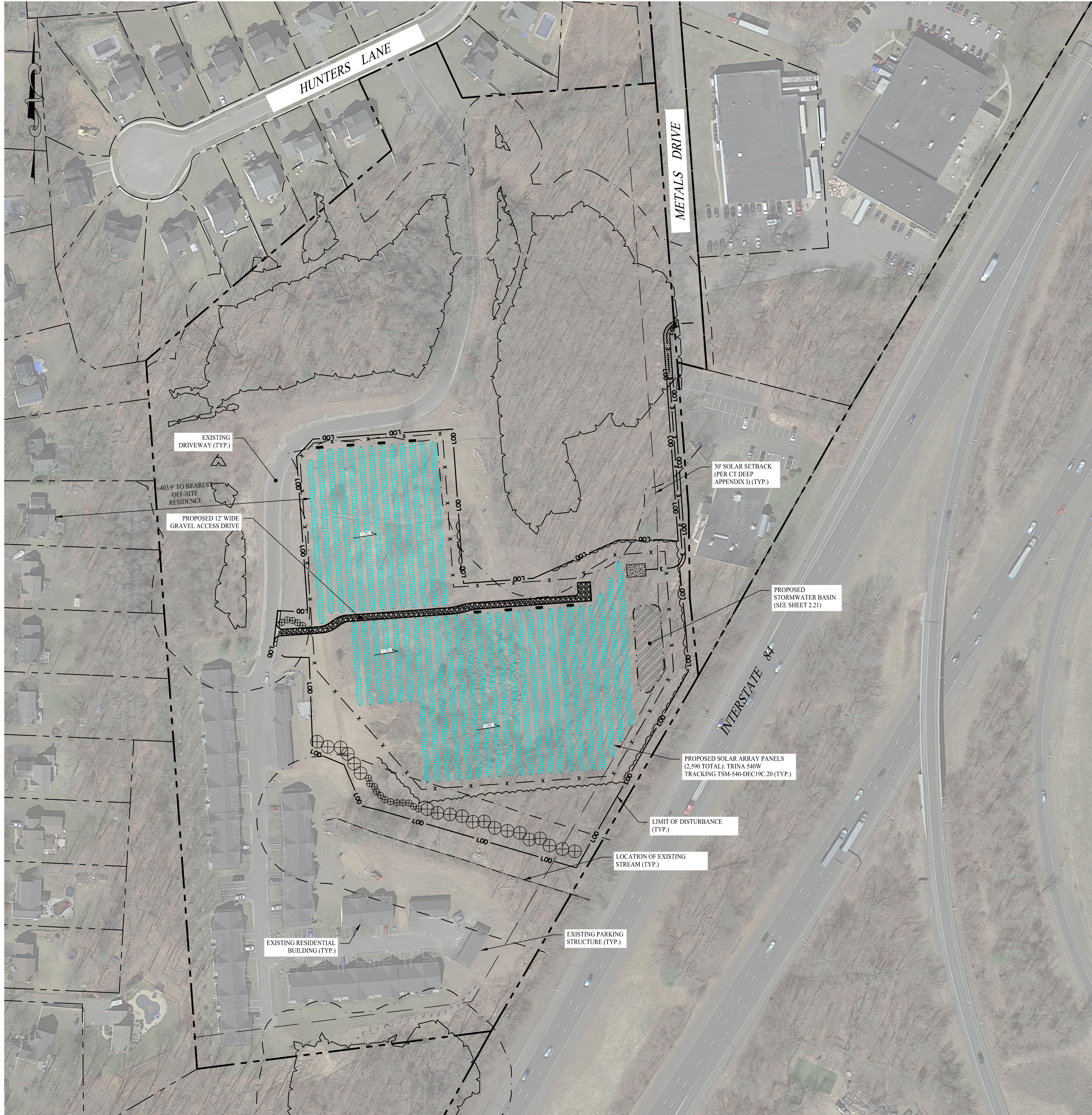
DATE	REVISION
To the best of my knowledge and belief, this map is substantially correct as noted hereon.	
Stephen M. Gillette, P.E. Reg. No. 710145	
NOT VALID UNLESS EMBOSSED SEAL OR STAMP IS AFFIXED HERETO	

EXISTING CONDITIONS PLAN  
Prepared For  
**SOLLI ENGINEERING, LLC**  
37 Hunters Lane  
Southington, Connecticut  
May 23, 2023  
Scale: 1" = 60'

**cole**  
HARRY E. COLE & SON  
engineering. surveying. planning.

876 South Main Street  
P.O. Box 44  
Plainville, CT 06479-0044  
Tel: (860) 628-4484  
Fax: (860) 620-0196  
www.hecole.com

F.B. #: PROJECT #: 0978C



**LEGEND**

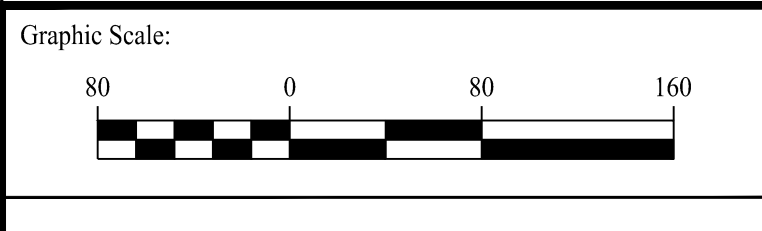
- — — — — PROPERTY LINE
- — — — — RIGHT-OF-WAY LINE
- — — — — ADJOINING LOT LINE
- — — — — SOLAR SETBACK
- — — — — LIMIT OF WETLANDS
- — — — — UPLAND REVIEW AREA - 100 FT BUFFER
- — — — — STORMWATER BASIN AREA
- — — — — ELECTRIC CONDUIT (BY OTHERS)
- — — — — EXISTING INTERMITTENT STREAM
- — — — — TRINA 540W TRACKING MODULES
- x — x — CHAIN LINK FENCE
- — — — — LIMITS OF TREE CLEARING
- — — — — LIMIT OF DISTURBANCE
- ⊕ EVERGREEN TREE

**BOX TURTLE PROTECTION NOTES**

THE FOLLOWING IS A SUMMARY OF MEASURES REQUIRED BY THE CT DEEP AND TO BE USED BEFORE, DURING AND FOLLOWING CONSTRUCTION TO PROTECT EASTERN BOX TURTLES THAT MAY POTENTIALLY BE ENCOUNTERED AT THE PROJECT SITE. ALL GROUND DISTURBANCE WORK ASSOCIATED WITH THE PROJECT MUST BE CONDUCTED BETWEEN APRIL 1 AND NOVEMBER 1, THE EASTERN BOX TURTLES ACTIVE SEASON. IT IS RECOMMENDED MOWING NOT OCCUR DURING MAY 15 TO SEPTEMBER 15. IF MOWING IS TO OCCUR DURING THIS TIME FRAME, WHETHER PRE- OR POST-CONSTRUCTION, THE CT DEEP RECOMMENDS THE FOLLOWING.

- PRE-CONSTRUCTION:**
- IN PREPARING THE SITE FOR DEVELOPMENT, EXCLUSIONARY FENCING THAT IS AT LEAST 20 INCHES TALL AND THAT IS SECURED AND KEYED INTO THE GROUND, MUST BE INSTALLED AROUND THE PERIMETER OF THE WORK AREA TO PREVENT TURTLE ACCESS TO THE SITE. THE WORK AREA INCLUDES ALL AREAS USED FOR SITE ACCESS, EQUIPMENT PARKING, MATERIAL STAGING, MATERIAL STORAGE, AND CONSTRUCTION PURPOSES. THE ENTRANCE TO THE SITE ALSO MUST BE CORDONED OFF WITH AN EXCLUSIONARY METHOD WHEN THE SITE IS NOT IN USE. THIS CAN BE ACCOMPLISHED WITH A ROW OF HAY BALES THAT CAN BE MOVED WHEN ACCESS TO THE SITE IS NEEDED.
  - IF MOWING NEEDS TO OCCUR BEFORE EXCLUSIONARY FENCE INSTALLATION WITHIN THE ACTIVE TURTLE TIMEFRAME, THE MOWING STYLE, MOWING HEIGHT, MOWING DIRECTIONALITY, MOWING SPEED AND THE LOCATION OF NON-MOWING AREAS SHOULD BE AS FOLLOWS:
    - MOWING STYLE: AVOID FLAIL MOWER HEADS WITH GUIDE BARS THAT RIDE ALONG THE GROUND. SICKLE BAR MOWERS WILL HAVE THE LEAST IMPACT IF MOWING EVERY ONE TO FIVE YEARS. IN AREAS WITH MORE WOODY VEGETATION, A LESS THAN ONE TO TWO-INCH DIAMETER BRONTOSAURUS-STYLE MOWER WILL HAVE THE LEAST IMPACT ON TURTLES.
    - MOWING HEIGHT: THE RETENTION OF MOWING STUBBLE SEVEN TO TWELVE INCHES IN HEIGHT WILL REDUCE MORTALITY, REDUCE BLADE WEAR AND WILL LEAVE IMPORTANT COVER FOR ANIMALS.
    - MOWING DIRECTIONALITY: START MOWING FROM THE CENTER OF THE FIELD AND USE A BACK-AND-FORTH APPROACH, OR LARGE CIRCULAR PATTERN TO AVOID CONCENTRATING FLEEING ANIMALS WHERE THEY MAY BE KILLED OR STRANDED. IN ADDITION, LEAVE AN UNMOWED 30-FOOT STRIP AROUND THE PERIMETER OF THE FIELD AND MOW THIS AREA LAST. MOST TURTLES ARE FOUND WITHIN THESE AREAS AND THIS PROVIDES TIME FOR THEM TO REACT TO THE MOWING ACTIVITY AND MOVE OUT OF THE AREA. IF FIELD IS NEAR A STREAM, START MOWING THE SIDE FURTHEST FROM THE STREAM AND WORK TOWARDS THE STREAM. IF FIELD IS BORDERED BY WOODLAND, START MOWING SIDE FURTHEST FROM WOODLAND AND WORK TOWARDS WOODLAND. IF FIELD IS BORDERED BY ROAD, START MOWING NEXT TO THE ROAD AND WORK YOUR WAY ACROSS THE FIELD.
    - MOWING SPEED: MOWING IN LOW GEAR OR AT SLOW SPEEDS WILL ALLOW TURTLES TO REACT AND MOVE OUT OF THE FIELD.
    - NON-MOWING AREAS: LEAVE AN UNMOWED FIELD EDGE IN HIGH TURTLE-USE AREAS UNTIL AFTER SEPTEMBER 15.
  - ONCE EXCLUSIONARY FENCING HAS BEEN INSTALLED SURROUNDING THE WORK AREA, A QUALIFIED INDIVIDUAL MUST SURVEY THE AREA TO DETERMINE IF THERE ARE ANY TURTLES WITHIN THE WORK AREA. IF TURTLES ARE IDENTIFIED, THEY ARE TO BE CAREFULLY MOVED TO AN AREA OUTSIDE OF THE WORK AREA IN A SAFE MANNER THAT WILL NOT HARM THEM. IF LISTED SPECIES OF TURTLES ARE IDENTIFIED, THE QUALIFIED INDIVIDUAL WILL DOCUMENT AND REPORT THESE FINDINGS TO THE CT DEEP IN THE MANNER IDENTIFIED WITHIN THE NDDB DETERMINATION LETTER. ONLY WHEN THE QUALIFIED INDIVIDUAL DETERMINES THAT NO TURTLES ARE WITHIN THE WORK AREA AND THAT THE SITE IS SECURE FROM TURTLES RE-ENTERING CAN CONSTRUCTION BEGIN.
  - PRIOR TO COMMENCING ACTIVITY, A MEETING IS TO BE HELD WITH ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE EXCLUSION AREA BY THE QUALIFIED INDIVIDUAL TO APPRAISE THEM OF THE SPECIES DESCRIPTION AND THEIR DUTIES IN REGARD TO MAINTAINING THE SECURITY OF THE SITE. SHOULD CONSTRUCTION PERSONNEL ENCOUNTER A TURTLE, THE QUALIFIED INDIVIDUAL WILL INSTRUCT PERSONNEL DURING THIS MEETING ON HOW TO CAREFULLY REMOVE THE TURTLE FROM THE SITE, HOW TO DOCUMENT THEIR FINDINGS AND TO REPORT IT TO THE QUALIFIED INDIVIDUAL FOR REPORTING TO THE CT DEEP.
- MID-CONSTRUCTION:**
- PRIOR TO THE START OF WORK ACTIVITY EACH DAY, THE EXCLUSIONARY FENCING IS TO BE INSPECTED BY CONSTRUCTION PERSONNEL AND ALL GAPS OR OPENINGS AT THE GROUND LEVEL IDENTIFIED SHOULD BE FIXED OR REPAIRED IMMEDIATELY TO PREVENT TURTLES ACCESS TO THE SITE. IF A BREACH IS IDENTIFIED, WORK SHALL HALT UNTIL THE QUALIFIED INDIVIDUAL SURVEYS THE SITE AND DETERMINES NO TURTLES ARE WITHIN THE WORK AREA.
  - ALL HEAVY MACHINERY (ACTIVE OR PARKED) MUST BE WITHIN THE LIMITS OF THE EXCLUSIONARY ZONE OR ON PAVED SURFACES. NO MACHINERY IS TO BE PARKED IN ANY TURTLE HABITAT (I.E. THE AREA OUTSIDE OF THE EXCLUSIONARY ZONE).
  - AT THE END OF EACH WORK DAY, THE EXCLUSIONARY MEASURES AT THE ENTRANCE TO THE WORK SITE MUST BE REIMPLEMENTED TO PREVENT TURTLES FROM ACCESSING THE SITE. IF THIS IS NOT DONE, THE EXCLUSIONARY ZONE IS CONSIDERED VOID AND A QUALIFIED INDIVIDUAL MUST RE-SURVEY THE SITE AND CONCLUDE THAT NO TURTLES ARE PRESENT WITHIN THE WORK AREA BEFORE CONSTRUCTION ACTIVITY CAN BEGIN AGAIN.
- POST-CONSTRUCTION:**
- AFTER COMPLETION OF THE PROJECT, EXCLUSIONARY FENCING SHALL BE REMOVED ONCE THE AREA IS STABILIZED TO ALLOW FOR REPTILE AND AMPHIBIAN PASSAGE TO RESUME. IF CORDONING OFF SEGMENTS OF THE WORKSITE TO BE COMPLETED IN SEPARATE PHASES, ONCE THESE AREAS ARE STABLE, ONLY THEN MAY EXCLUSIONARY FENCING BE REMOVED. ALL ACTIVE AREAS MUST REMAIN EXCLUSIONARY TO TURTLES.

Rev. #:	Date	Description



**SOLLI ENGINEERING**  
 501 Main Street, Monroeville, CT 06468 T: (203) 880-5455 F: (203) 880-9695  
 11 Vanderbilt Ave., Norwood, MA 02062 T: (781) 352-8491 F: (203) 880-9695

Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22108701
Plan Date:	12/13/23
Scale:	1" = 80'

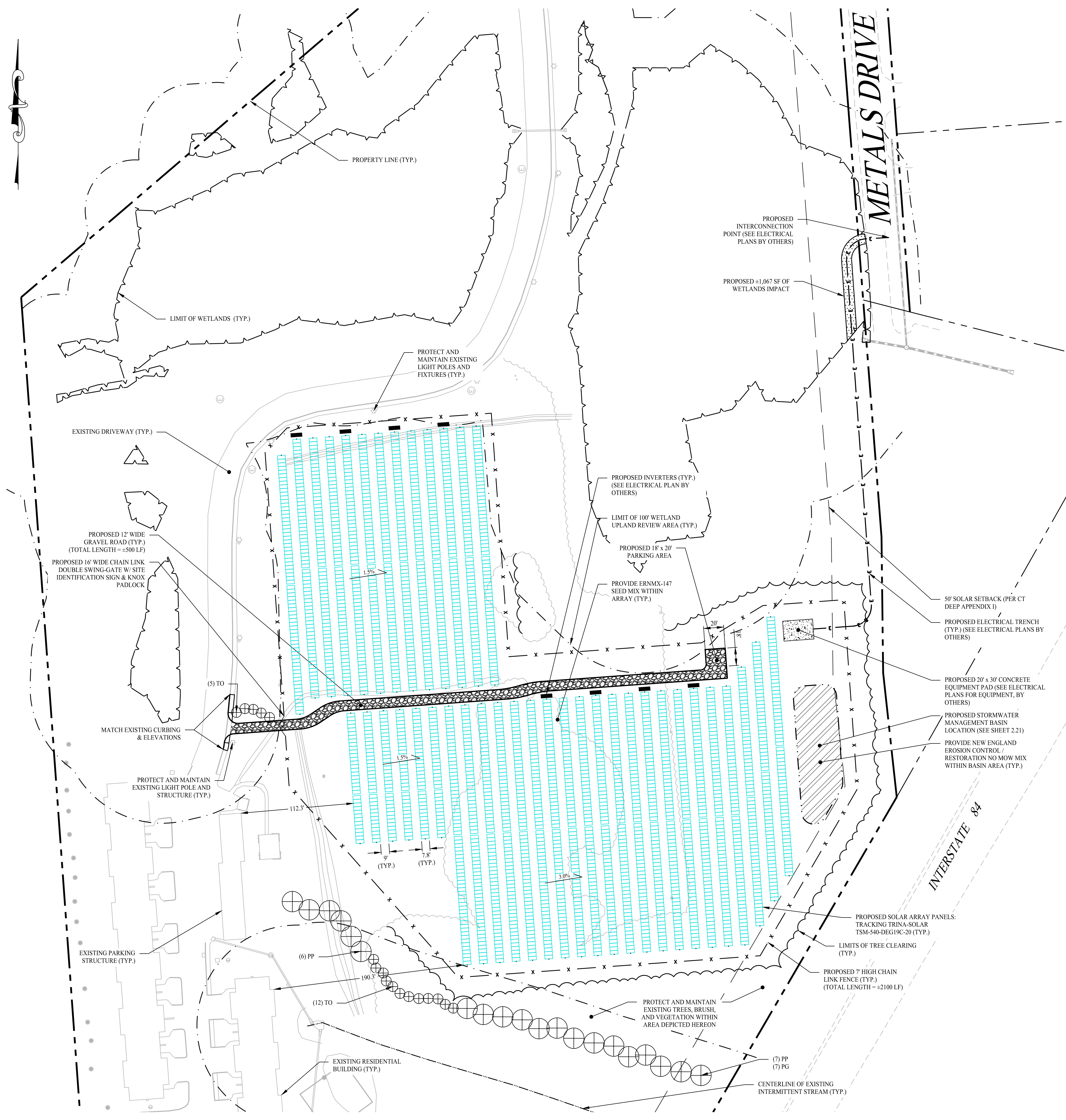


**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHINGTON, CONNECTICUT

Sheet Title:	Sheet #:
OVERALL SITE LAYOUT PLAN	2.10

Dec 13, 2023 - 2:59pm Anthony  
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Dec 13, 2023 - 10:00am Anthony  
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### LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJOINING LOT LINE
	50' SOLAR SETBACK (PER CT DEEP APPENDIX I)
	LIMIT OF WETLANDS
	UPLAND REVIEW AREA - 100 FT BUFFER
	STORMWATER BASIN AREA
	ELECTRIC CONDUIT (BY OTHERS)
	TRINA 540W TRACKING MODULES
	CHAIN LINK FENCE
	NEW ENGLAND EROSION CONTROL/ RESTORATION NO MOW MIX
	EVERGREEN TREE
	INVERTER
	EXISTING STREAM
	GRAVEL ROAD
	LIMITS OF TREE CLEARING
	CONCRETE PAD

- ### GENERAL NOTES
- THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL FINAL APPROVAL OF THIS PLAN IS GRANTED.
  - ALL PROPOSED SITE WORK TO BE COMPLETED IN ACCORDANCE WITH ALL PERMITS, APPROVALS AND CONDITIONS OF APPROVALS ISSUED BY LOCAL, STATE AND/OR FEDERAL REVIEWING AGENCIES.
  - EXISTING BOUNDARY, TOPOGRAPHY AND SITE CONDITIONS INFORMATION TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN, PREPARED FOR SOLLI ENGINEERING, LLC, 37 HUNTERS LANE, SOUTHINGTON, CONNECTICUT" DATED MAY 23, 2023, SCALE: 1"=60'. BY HARRY E. COLE & SON. 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.
  - THE SUBJECT PARCEL CONSISTS OF A TOTAL AREA OF APPROXIMATELY 24.25+/- ACRES, LOCATED IN THE RESIDENTIAL 12 (R12) DISTRICT IN THE TOWN OF SOUTHINGTON, CONNECTICUT.
  - WETLAND BOUNDARY DETERMINED AND LOCATED BY PIETRAS ENVIRONMENTAL GROUP, LLC & HARRY E. COLE & SON AND VERIFIED BY WILLIAM KENNY ASSOCIATES.
  - PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE THE COMMENCEMENT OF WORK AT (800) 922-4455" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS. 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.
  - SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE ENGINEER OF RECORD IMMEDIATELY FOR DIRECTIONS BEFORE EXCAVATING FURTHER WITH WORK IN THIS AREA.
  - THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL LOCAL AND STATE PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE, AND PROVIDE TRAFFIC CONTROLS NECESSARY FOR THIS PROJECT.
  - 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. DURING CONSTRUCTION CONTRACTOR IS TO HAVE THE SITE MAINTAINED FREE OF ALL TRASH, LITTER, DEBRIS AND OVERGROWN VEGETATION.
  - THE OWNER SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE FREE OF ALL TRASH, LITTER, DEBRIS, AND OVERGROWN VEGETATION THROUGHOUT CONSTRUCTION.
  - ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER OF RECORD, AND REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.

### PLANTING SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT SIZE	COMMENTS
<b>TREES</b>					
PP	13	PICEA PUNGENS	COLORADO BLUE SPRUCE	B&B	FULL, EXTRA HEAVY
PG	7	PICEA GLAUCA	WHITE SPRUCE	B&B	FULL, EXTRA HEAVY
TO	17	THUJA OCCIDENTALIS 'ELEGANTISSIMA'	AMERICAN ARBORVITAE	B&B 7'-8' HT	FULL, EXTRA HEAVY

**SEED MIXES**  
**NEW ENGLAND EROSION CONTROL/RESTORATION MIX (NEW ENGLAND WETLAND PLANTS, INC.)**  
 APPLICATION RATE: 1 LB/2,500 S.F.

**ERNMX-147**  
 APPLICATION RATE: 42 LBS/ACRE WITH A COVER CROP OF ANNUAL RYEGRASS AT 12 LBS/ACRE

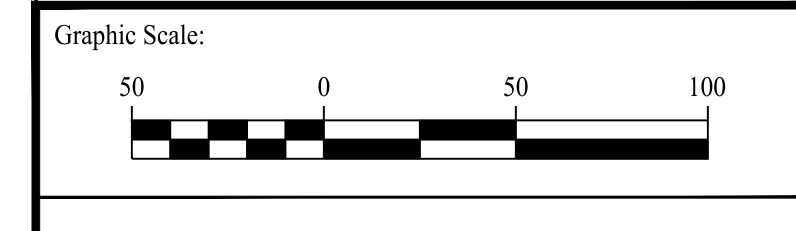
**ERNMX-610**  
 APPLICATION RATE: 30 LBS/ACRE OF A COVER CROP. FOR A COVER CROP USE EITHER GRAIN OATS (JAN 1 TO JUL 31) OR GRAIN RYE (AUG 1 TO DEC 31)

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

### SOLAR ARRAY SYSTEM INFORMATION

	TOTAL OUTPUT
SIZE DC	1,399 MW
SIZE AC	0,999 MW
INVERTER LOAD RATIO	1.40
MODULE TYPE	TRACKING TRINA SOLAR TSM-540-DEG19C-20 (540W)
MODULE QUANTITY	2,590
INVERTER	SUNGROW SGI25HV 125KW
INVERTER QUANTITY	8
UTILITY	EVERSOURCE

Rev. #:	Date	Description



501 Main Street, Monroe, CT 06468 T: (203) 880-5455 F: (203) 880-9695  
 11 Vanderbilt Ave, Norwood, MA 02062 T: (781) 352-8491 F: (203) 880-9695

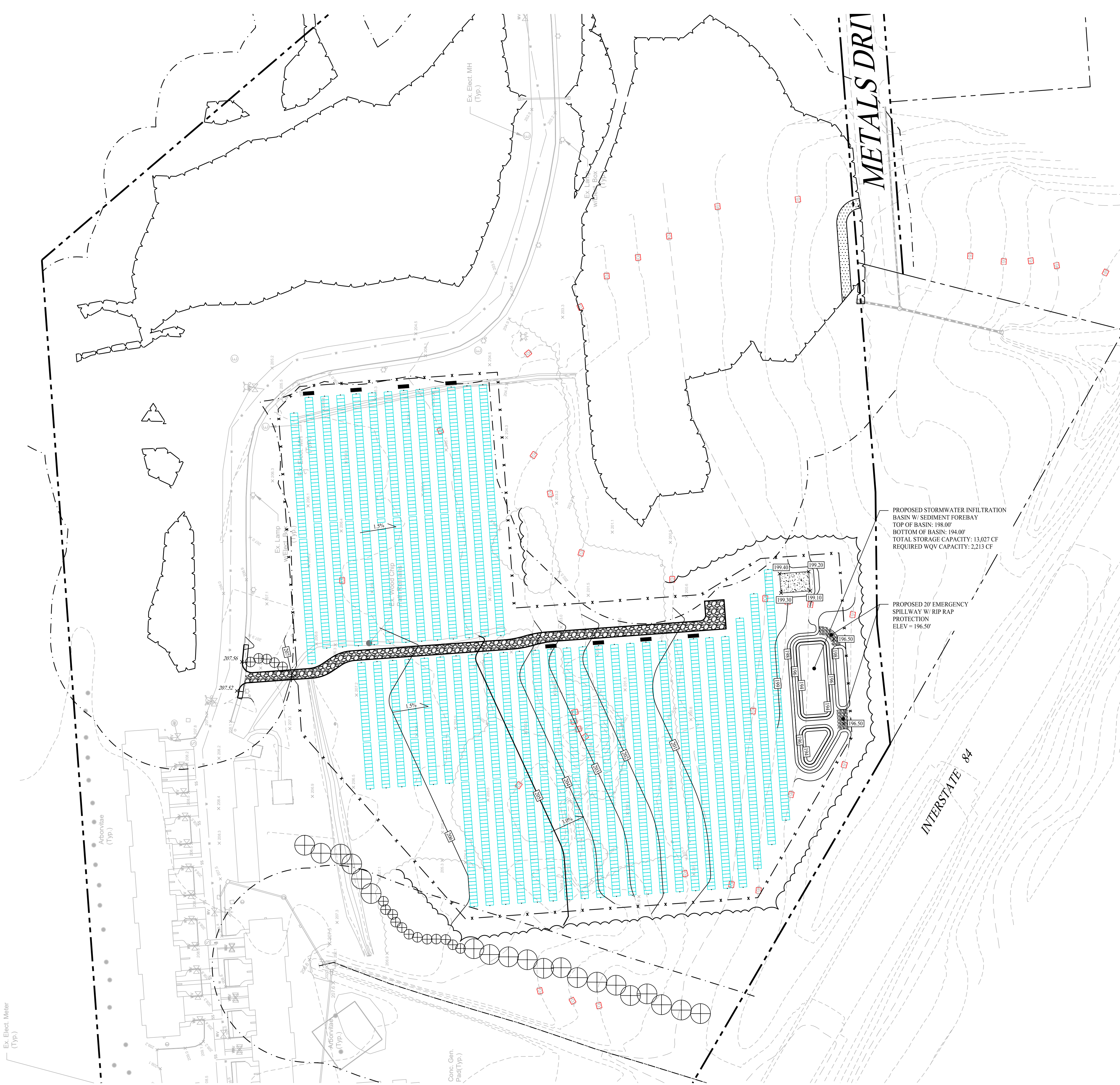
Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22108701
Plan Date:	12/13/23
Scale:	1" = 50'



**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHINGTON, CONNECTICUT

Sheet Title:	Sheet #:
SITE LAYOUT PLAN	2.11

Dec 13, 2023 - 10:11am Anthony  
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**GENERAL NOTES**

1. THIS DRAWING IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR CONSTRUCTION DETAILS.
2. 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.
3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
4. THE OWNER 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 SOUTHINGTON REQUIRED TO PERFORM ALL WORK. 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 COMPACT FILL IN 12" MAXIMUM LIFTS UNDER ALL PARKING, BUILDING, AND DRIVE AREAS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR TEST).
6. UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD BY THE ENGINEER OF RECORD, AFTER SUBGRADE IS ROUGH GRADED.
7. 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 MONTVILLE AUTHORITY.
8. 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 OWNER'S 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.
9. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
10. ALL DISTURBED AREAS TO BE RESEDED WITH ERNMX-147 WITHIN THE ARRAY AREA. ERNMX-610 WILL BE USED OUTSIDE FENCELINE AND IN NON-ARRAY AREAS.

**LEGEND**

	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	RIP RAP

**VOLUME SUMMARY**

AREA	CUT (CY)	FILL (CY)	NET (CY)
PROJECT AREA	2,030	780	1,250 (CUT)

PROPOSED STORMWATER INFILTRATION BASIN W/ SEDIMENT FOREBAY  
 TOP OF BASIN: 198.00'  
 BOTTOM OF BASIN: 194.00'  
 TOTAL STORAGE CAPACITY: 13,027 CF  
 REQUIRED WQV CAPACITY: 2,213 CF

PROPOSED 20' EMERGENCY SPILLWAY W/ RIP RAP  
 PROTECTION  
 ELEV = 196.50'

Rev. #:	Date	Description



**SOLLI ENGINEERING**  
 501 Main Street, Monroe, CT 06468 T: (203) 880-5455 F: (203) 880-9695  
 11 Vanderbilt Ave., Norwood, MA 02062 T: (781) 352-8491 F: (203) 880-9695

Drawn By:	AWC
Checked By:	CJB
Approved By:	KMS
Project #:	22108701
Plan Date:	12/13/23
Scale:	1" = 50'



**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHINGTON, CONNECTICUT

Sheet Title:	Sheet #:
GRADING & DRAINAGE PLAN	2.21

**SEDIMENT & EROSION CONTROL NOTES**

- 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 SOUTHINGTON, 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 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 WATER COURSES. 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 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, 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.
- 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, COMPOSITE 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 EXITING.
- 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 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.
- 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 HYDROSEEDED 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.
- SEEDING MIXTURES SHALL BE FUZZ & BUZZ MIX - PREMIUM - ERNMX-147, OR APPROVED EQUAL. NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR STORMWATER BASINS & MOIST SITES, OR APPROVED EQUAL, SHALL BE UTILIZED ON THE BOTTOM OF THE BASIN & FUZZ & BUZZ MIX - PREMIUM - ERNMX-147, OR APPROVED EQUAL, ON THE SIDE SLOPES OF THE BASIN. SEE SHEET DN-2 FOR ALL SEED MIXTURES.
- REFER TO SHEET S.32 & 2.41 FOR SEDIMENT & EROSION CONTROL NARRATIVE & DETAILS.

**LEGEND**

	PROPERTY LINE
	SILT FENCE PROTECTION
	HAYBALE PROTECTION
	LIMIT OF DISTURBANCE
	MATERIAL STOCKPILE AREA
	CONSTRUCTION ENTRANCE
	LIMITS OF TREE CLEARING

Rev. #:	Date	Description
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Checked By:	CJB
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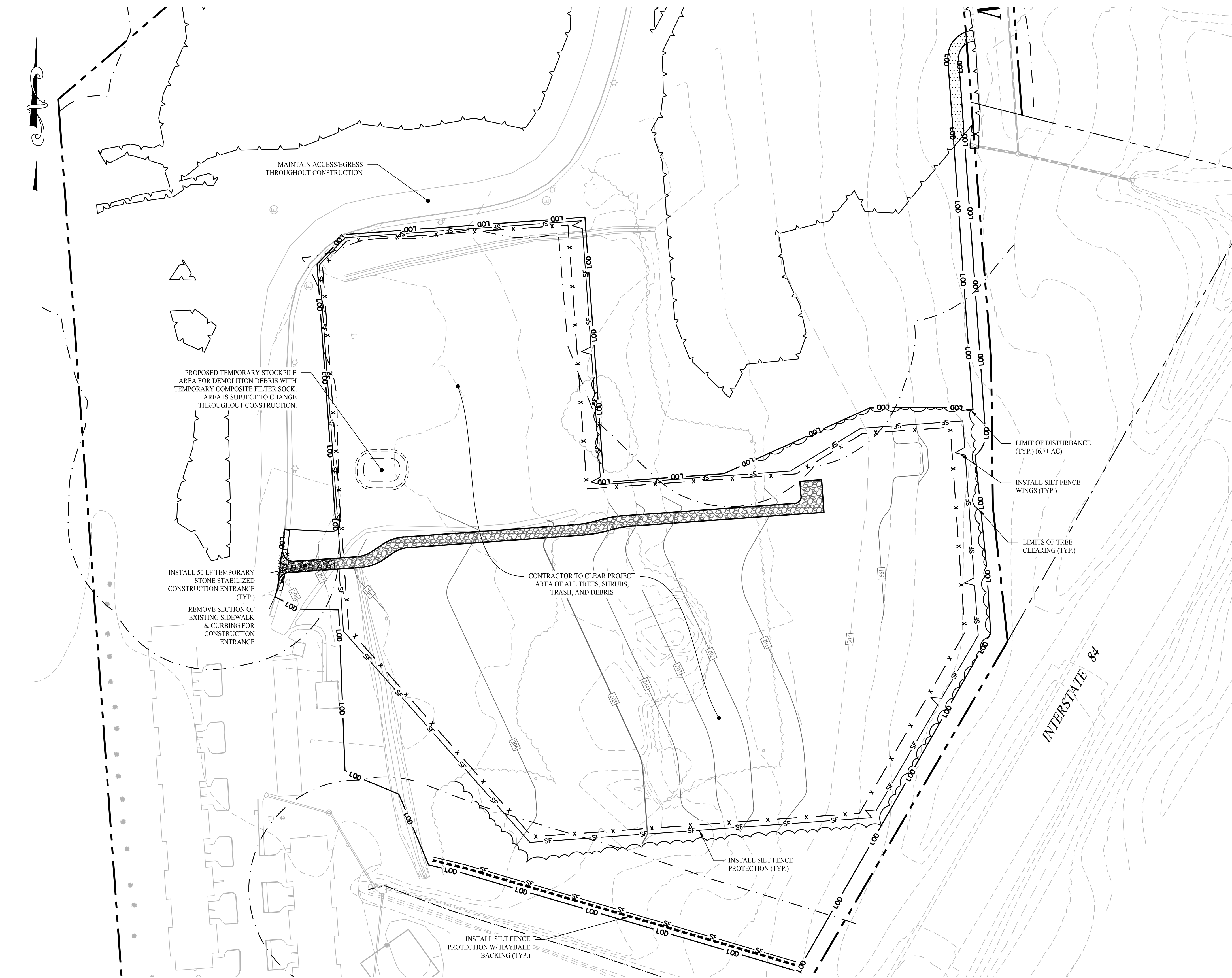


**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHINGTON, CONNECTICUT

Sheet Title: SOIL EROSION & SEDIMENT CONTROL PLAN PHASE I

Sheet #: 2.31

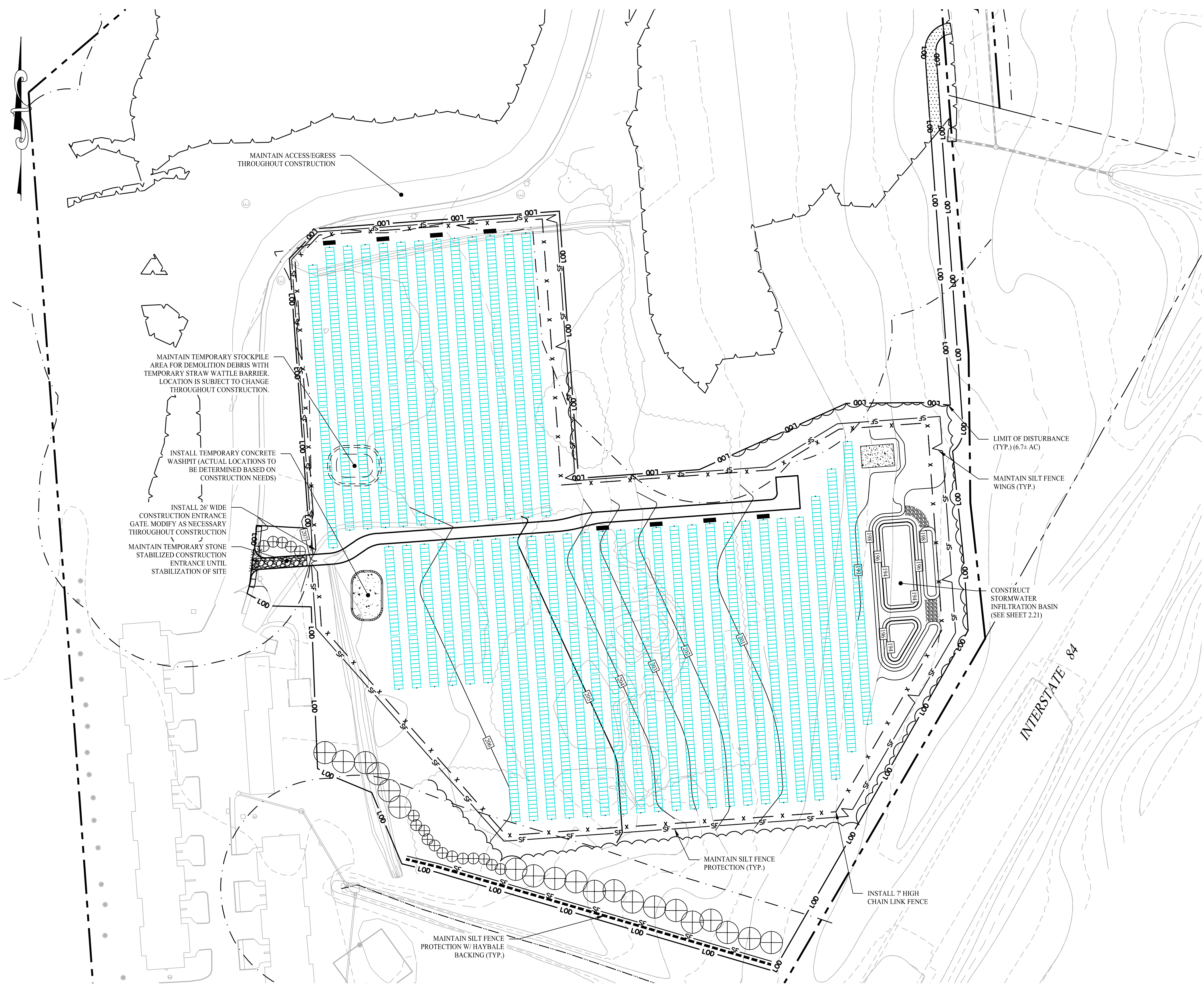
EAS MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.
COMPOST FILTER SOCK	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION 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 I)**

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.

- PHASE I:**
- 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 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.
  - NOTIFY CALL BEFORE YOU DIG AT "CALL BEFORE YOU DIG" AT 1-800-922-4455, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.
  - REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL DISTURBANCE TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCE.
  - INSTALL PERIMETER EROSION CONTROLS.
  - PERFORM TREE CLEARING WITHIN PROJECT AREA.
  - INSTALL GRAVEL ACCESS DRIVE.
  - PERFORM GRADING WITHIN PROJECT AREA AS DEPICTED HEREON.
  - TEMPORARILY SEED DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.



**RESOURCE PROTECTION NOTES**

1. FLAG OR FENCE PROJECT LIMITS OF DISTURBANCE WITHIN ALL WETLAND AREAS AND AREAS WITHIN 100 FEET OF WETLANDS PRIOR TO ANY WORK IN WETLAND AREAS.
2. LOCATE STAGING AREAS AND ACCESS POINTS. STAGING AREAS SHOULD BE LOCATED AT LEAST 50 FEET FROM THE EDGE OF THE WETLAND. INSTALL SEDIMENT BARRIERS DOWN SLOPE OF ANY STAGING AREAS OR ACCESS POINTS.
3. SWAMP MATS, TIMBER MATS, TRUCK MATS OR SIMILAR DEVICES SHALL BE USED DURING THE CROSSINGS OF WETLANDS. SUCH DEVICES SHALL BE INSTALLED PRIOR TO CLEARING, GRUBBING OR EXCAVATION ACTIVITIES.
4. CLEARING, GRUBBING AND UTILITY TRENCHING ACTIVITIES MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE EROSION AND SEDIMENTATION CONTROLS SPECIFIED BY THIS PROTECTION PLAN AND AS DETAILED ON THE PROJECT SITE PLANS HAVE BEEN INSTALLED AND HAVE BEEN REVIEWED AND APPROVED BY THE ENVIRONMENTAL MONITOR TO ENSURE EROSION CONTROLS ARE PROPERLY INSTALLED.
5. SOIL EXCAVATED FROM WETLAND AREAS SHALL BE CAREFULLY REMOVED WITH THE ROOTS INTACT. THIS SOIL SHOULD BE PLACED IN A SEPARATE STOCKPILE TO BE REUSED DURING THE WETLAND RESTORATION WORK. BOTH WETLAND TOPSOIL AND SUBSOIL SHALL BE SEGREGATED INTO SEPARATE STOCKPILES.
6. SOIL EXCAVATED FROM THE UTILITIES TRENCH LOCATED WITHIN OR ADJACENT TO WETLANDS SHALL BE TEMPORARILY PLACED ON GEOTEXTILE FABRIC.
7. DEWATERING OF THE UTILITY TRENCH EXCAVATION SHALL BE PUMPED TO A SEDIMENT FILTER BAG.
8. INSTALL PIPE AND TRENCH PLUGS IN WETLAND AREAS, AS NECESSARY, TO PREVENT THE TRENCH FROM DRAINING THE WETLAND OR CHANGING ITS HYDROLOGY, AS DETERMINED BY THE ENGINEER OF RECORD OR SOILS SCIENTIST.
9. BACKFILL PIPE TRENCH. BACKFILL FIRST WITH STOCKPILED WETLAND SUBSOIL, WITH THE TOP 12-INCHES OF THE EXCAVATED TRENCH FILLED WITH THE STOCKPILED WETLAND TOPSOIL TO MATCH ORIGINAL SURFACE GRADES.
10. NO SOIL AMENDMENTS SUCH AS AGRICULTURAL LIME, FERTILIZER, ETC. WILL BE USED WITHIN WETLAND AREAS.
11. COMPACT BACKFILL AND GRADE THE SURFACE OF THE TRENCH AREA TO ALLOW FOR POSITIVE DRAINAGE TO SOIL EROSION AND SEDIMENT CONTROLS AND TO PREPARE DISTURBED AREAS FOR PERMANENT TRENCH RESTORATION.
12. ORIGINAL GRADES THROUGH WETLANDS MUST BE RESTORED AFTER TRENCHING AND BACKFILLING. ANY EXCESS FILL MATERIALS MUST BE REMOVED FROM THE WETLAND AND NOT SPREAD ON-SITE.
13. SEED DISTURBED WETLAND AREAS WITH A NEW ENGLAND WET SEED MIX (NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUIVALENT) AT THE MANUFACTURERS RECOMMENDED SEED RATE. MULCH DISTURBED WETLAND AREAS WITH NON-WOVEN NATURAL FIBER EROSION CONTROL BLANKET OR 1 TO 2 INCHES OF CLEAN STRAW MULCH.
14. SEED DISTURBED UPLAND AREAS WITH ERMX-610. SEE SEED LIST ON SHEET 2.11, AT THE MANUFACTURERS RECOMMENDED SEED RATE. MULCH DISTURBED AREAS WITH NON-WOVEN NATURAL FIBER EROSION CONTROL BLANKET OR 1 TO 2 INCHES OF CLEAN STRAW MULCH.
15. MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL DEVICES UNTIL SITE WORK IS COMPLETE AND A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED AS CONFIRMED BY THE ENGINEER OF RECORD OR SOILS SCIENTIST.
16. REMOVE ALL SOIL AND EROSION SEDIMENT CONTROL MEASURES WITHIN 30 DAYS UPON ESTABLISHMENT OF A UNIFORM 70% VEGETATIVE COVER OVER THE DISTURBED AREA. RE-GRADE AND REVEGETATE AREAS DISTURBED DURING THE REMOVAL OF THE SOIL EROSION AND SEDIMENT CONTROLS.

**SEDIMENT & EROSION CONTROL NARRATIVE**

- THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:
- A. CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
  - B. CONSTRUCTION OF 2,590 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
  - C. THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
2. FOR THIS PROJECT, THERE ARE APPROXIMATELY 6.6± ACRES OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT & GRAVEL ACCESS DRIVE.
  3. THE PROJECT AREA, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 18, DEC 6, 2018), CONTAINS TYPE 40A (HYDROLOGIC SOIL GROUP C) AND 30T (HYDROLOGIC SOIL GROUP D). A GEOTECHNICAL ENGINEERING REPORT IS SCHEDULED AND WILL BE PROVIDED UNDER SEPARATE COVER.
  4. IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4-6 MONTHS.
  5. REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.
  6. STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2024 CONNECTICUT STORMWATER QUALITY MANUAL AND THE TOWN OF SOUTHTONINGTON STANDARDS. TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE, EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGEMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, LATEST EDITION.
  7. DETAILS FOR THE TYPICAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON THE PLAN SHEETS OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.
  8. CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:
    - A. STAGED CONSTRUCTION;
    - B. MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;
    - C. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;
    - D. MINIMIZE IMPERVIOUS AREAS;
    - E. UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
  9. THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
    - A. STORMWATER MANAGEMENT REPORT
    - B. SWPCP, TO BE ISSUED AT A LATER DATE.

**CONSTRUCTION SEQUENCE (PHASE II)**

- PHASE II:**
1. INSTALL ELECTRICAL CONDUIT, RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS & GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION.
  2. AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK, INCLUDING ANY REQUIRED LANDSCAPE SCREENING, STORMWATER BASIN, CHAIN LINK FENCE, AND STABILIZE ALL DISTURBED AREAS.
  3. 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.
  4. FINE GRADE, RAKE, SEED, AND MULCH ALL REMAINING DISTURBED AREAS.
  5. AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITEE AND IF NECESSARY THE CONSERVATION AGENT, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.

**LEGEND**

	PROPERTY LINE
	SILT FENCE PROTECTION
	HAYBALE PROTECTION
	7' TALL CHAIN LINK FENCE
	LIMIT OF DISTURBANCE
	MATERIAL STOCKPILE AREA
	CONSTRUCTION ENTRANCE
	CONCRETE WASHPIT
	LIMITS OF TREE CLEARING

Rev. #:	Date	Description



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Checked By:	CJB
Approved By:	KMS
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Plan Date:	12/13/23
Scale:	1" = 50'

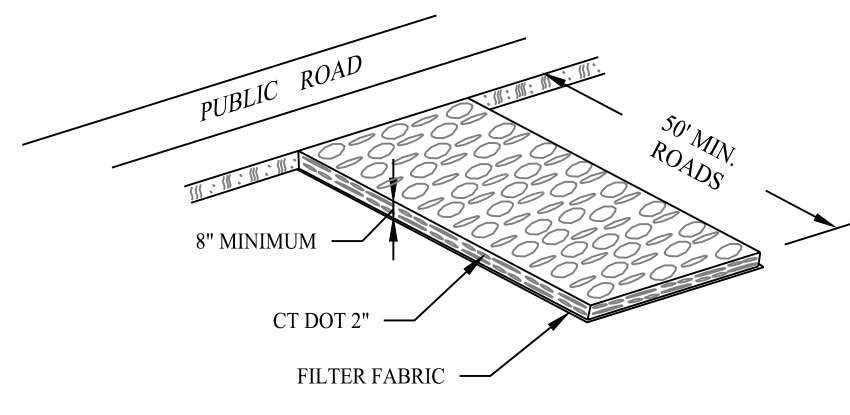


**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHTONINGTON, CONNECTICUT

Sheet Title:	Sheet #:
SOIL EROSION & SEDIMENT CONTROL PLAN PHASE II	2.32

Dec 13, 2023 - 2:56pm Anthony  
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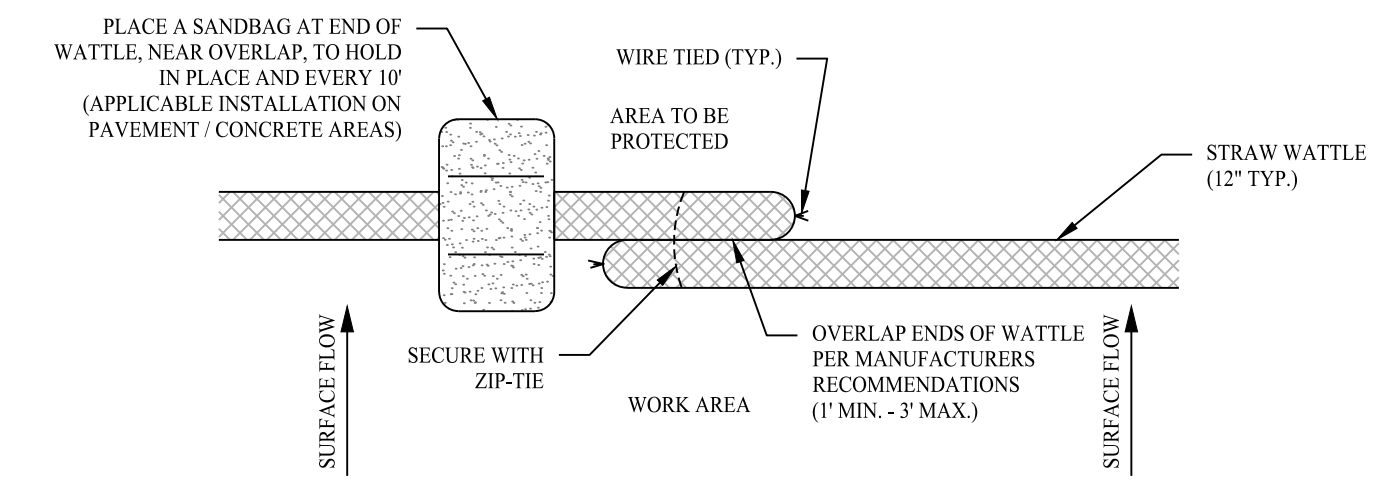
GRADATION TABLE

SQUARE MESH SIEVES	CONN. DOT	ASTM	ASTM
	2" CRUSHED GRAVEL	C-33 NO. 2	C-33 NO. 3
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

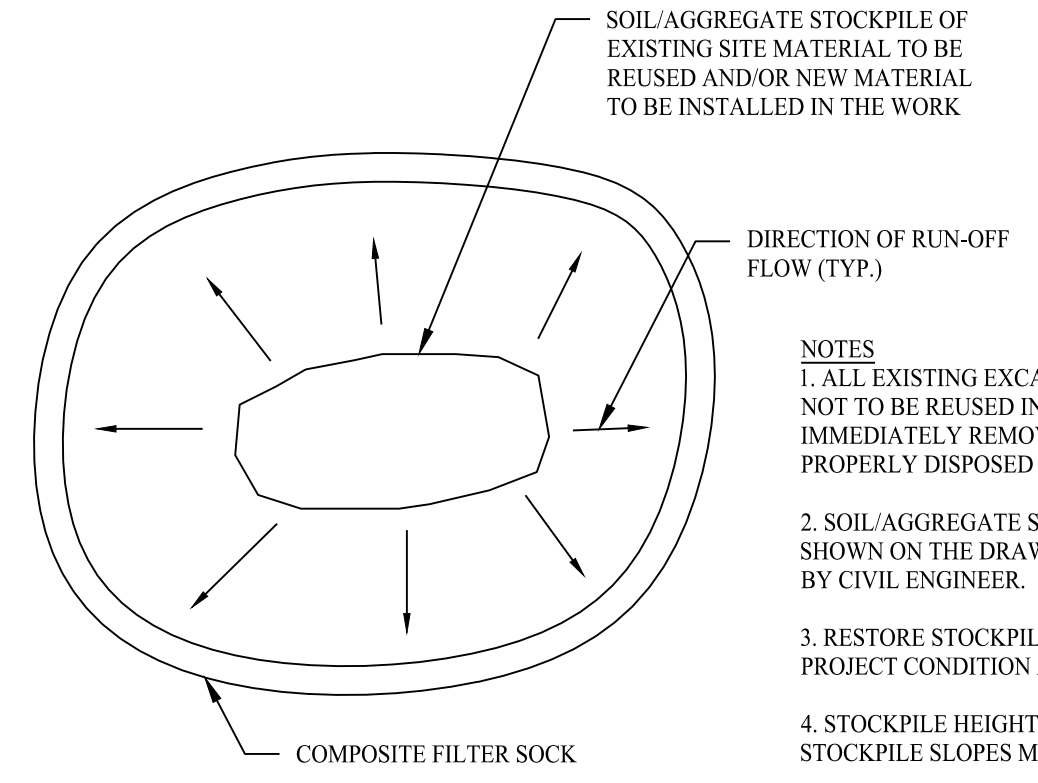
CONSTRUCTION ENTRANCE

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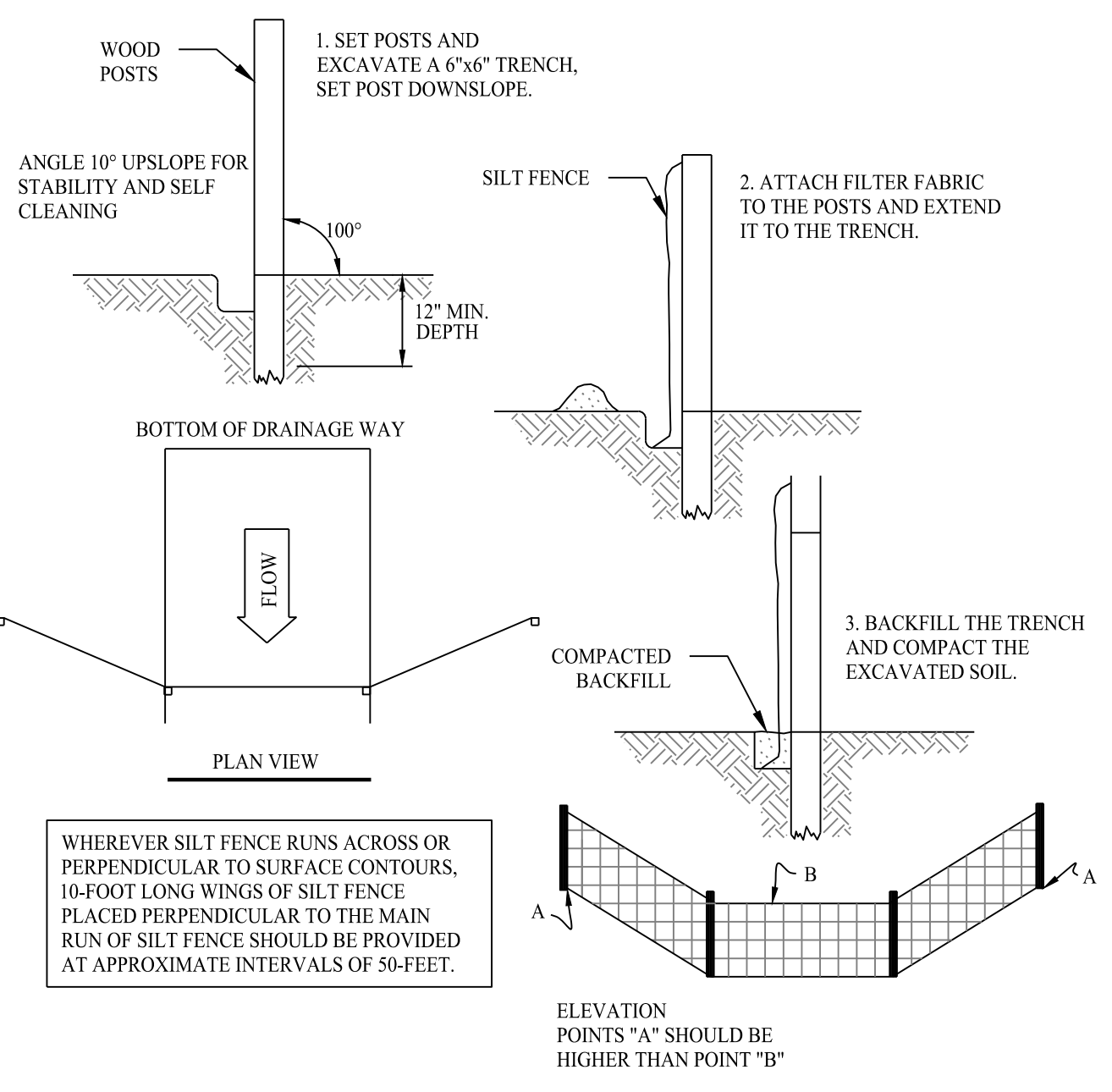
STRAW WATTLE BARRIER

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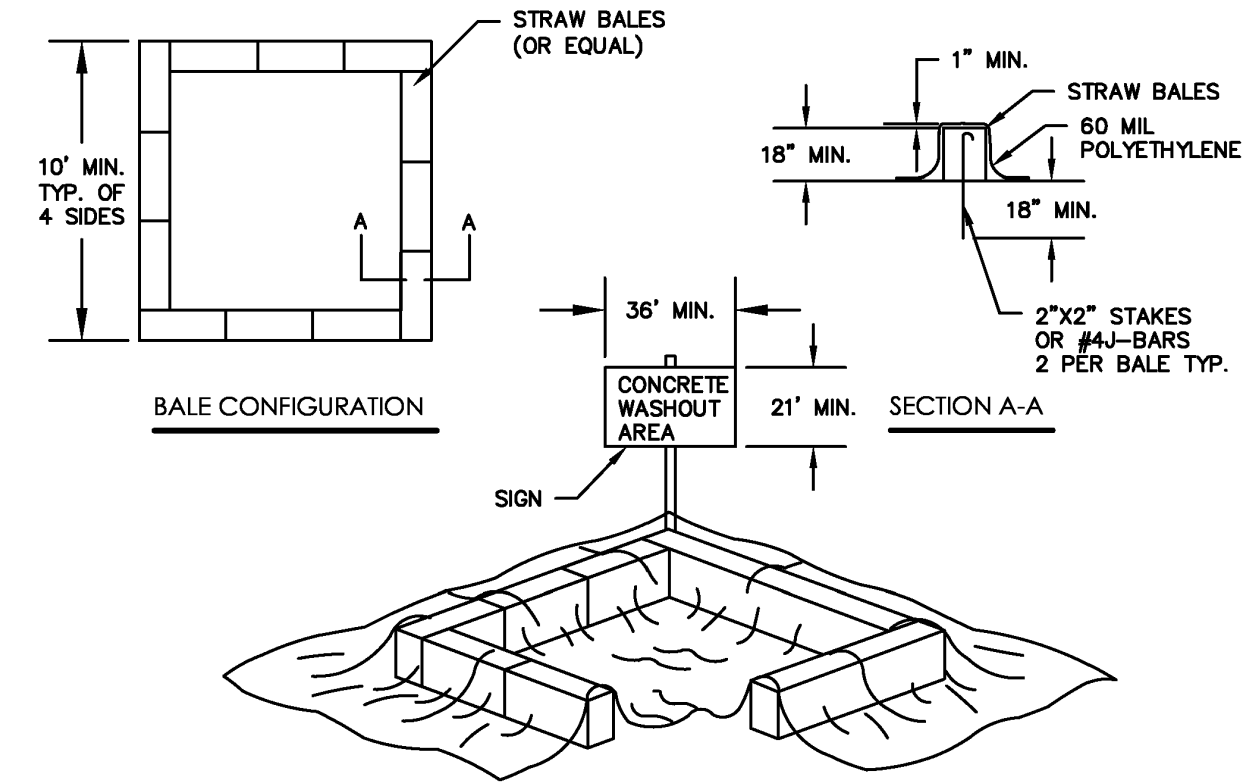
MATERIALS STOCKPILE DETAIL

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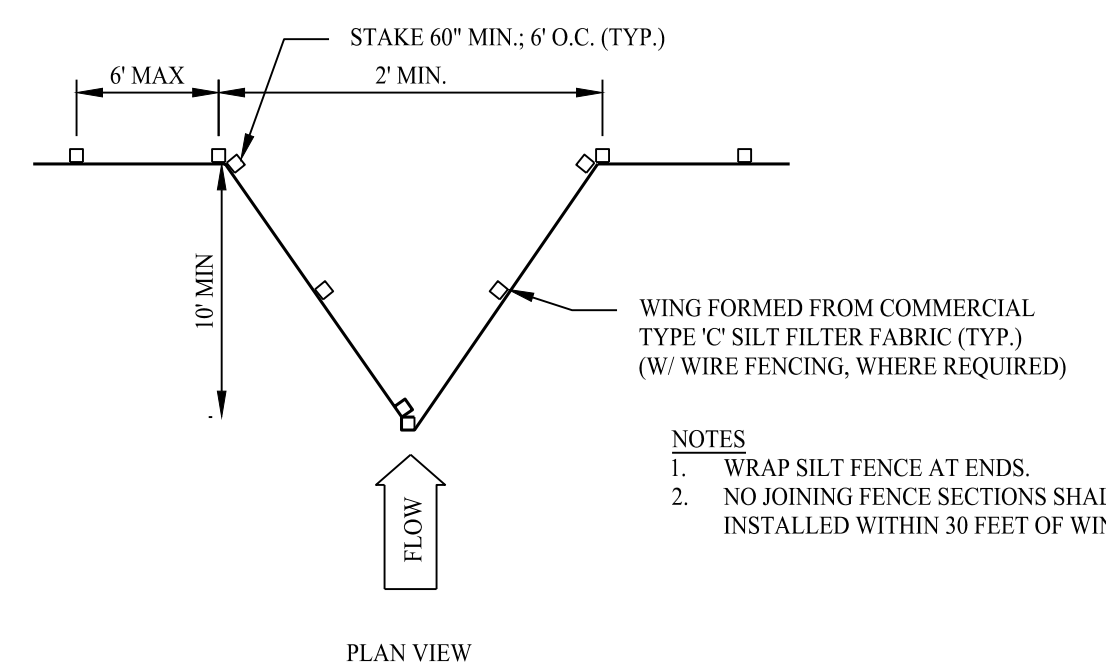
SILT FENCE PROTECTION DETAIL

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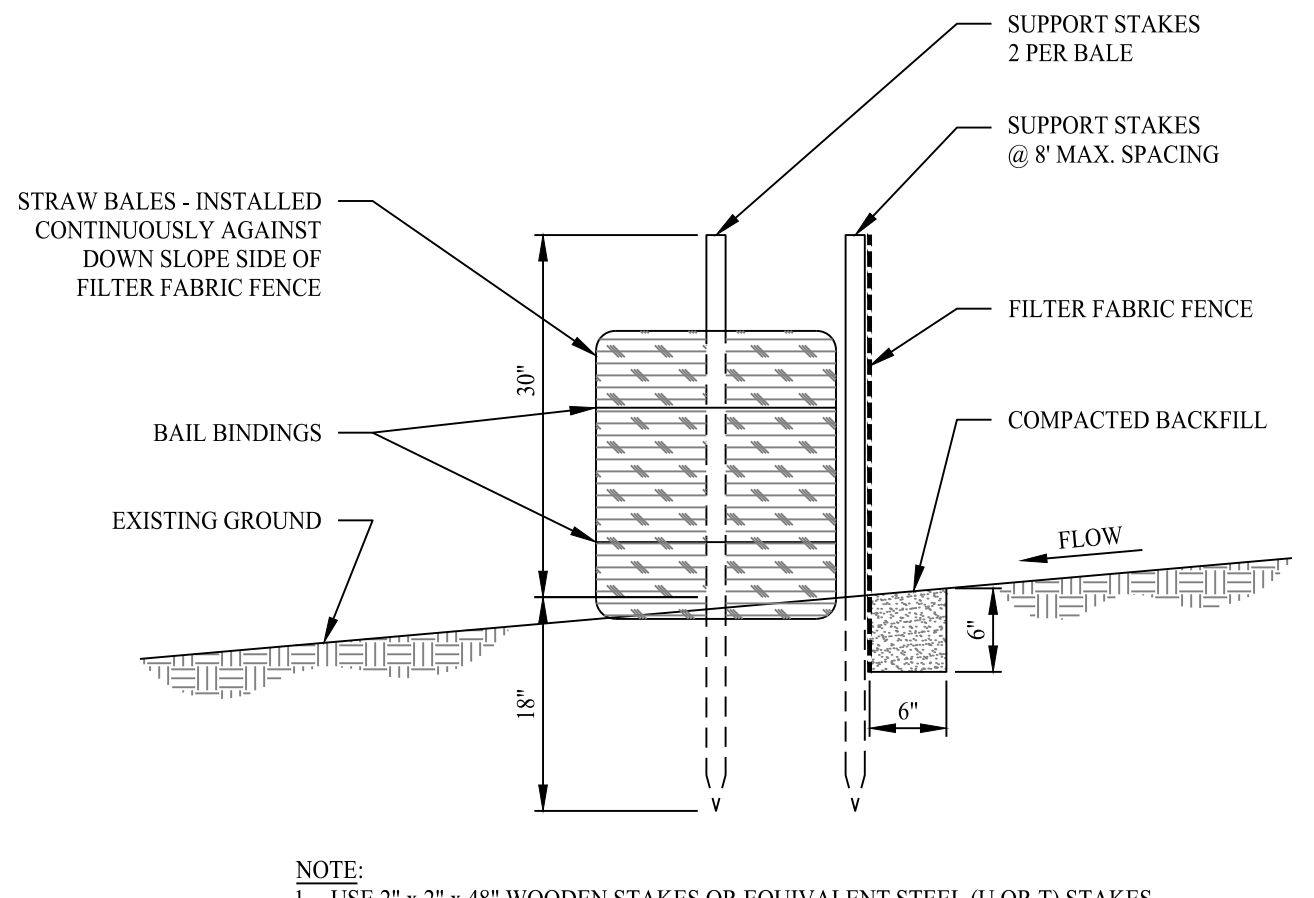
CONCRETE WASHOUT PIT

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SILT FENCE WING DETAIL

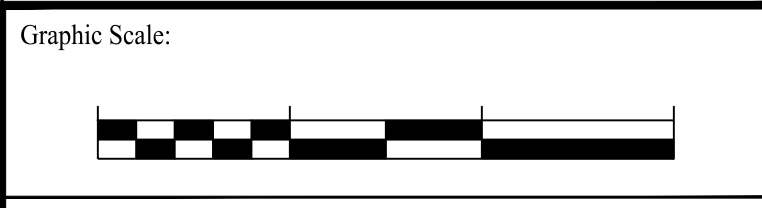
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SILT FENCE WITH HAYBALE BACKING

SCALE: NTS

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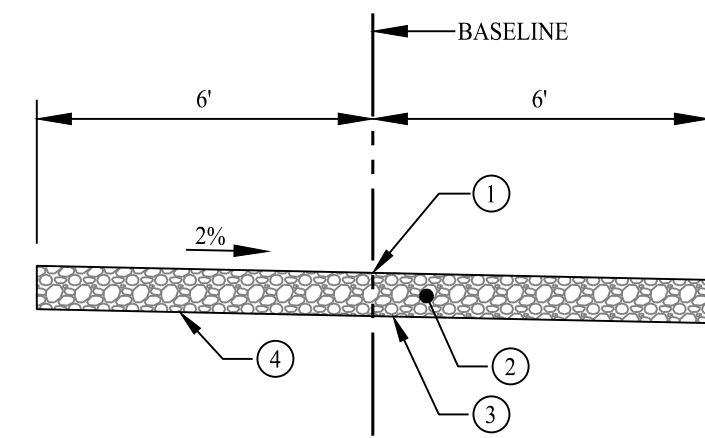
**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHTON, CONNECTICUT

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

Dec 13, 2023 - 10:14am Anthony  
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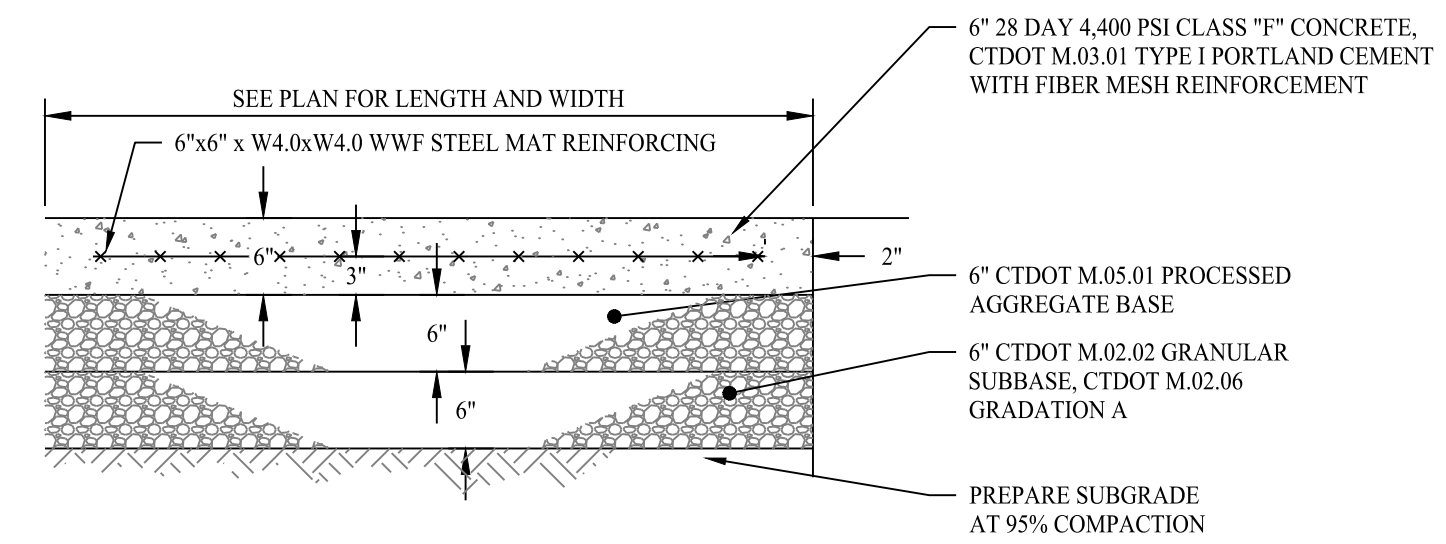
- ① POINT OF APPLICATION OF GRADE OR MATCH EXISTING GROUND
- ② 8" LAYER CRUSHER RUN GRAVEL
- ③ NONWOVEN GEOTEXTILE (MIRAFI 140N OR EQUAL)
- ④ LIMIT OF EXCAVATION OR LIMIT OF COMPACTION

NOTES:  
 1. THE CONTRACTOR SHALL CONTACT CT CALL BEFORE YOU DIG (CBYD) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.  
 2. TRANSITIONS BETWEEN TYPICAL ACCESS ROAD SECTIONS SHALL OCCUR OVER 50 FEET. (TYPICAL)



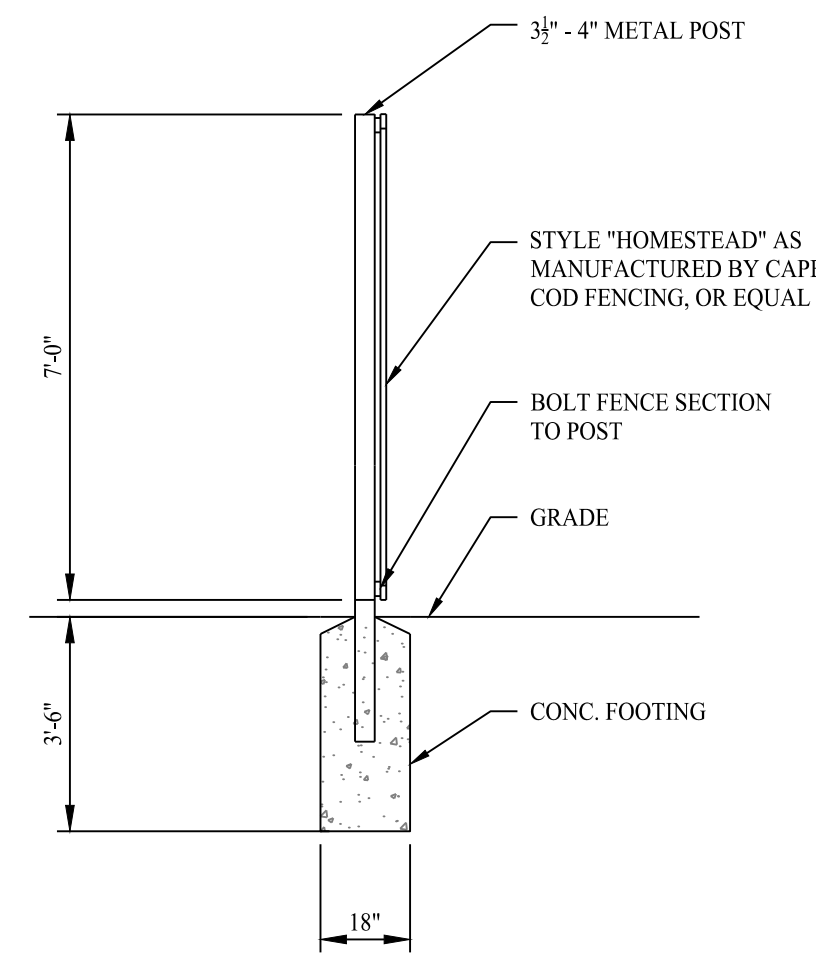
TYPICAL GRAVEL ROADWAY SECTION

SCALE: NTS



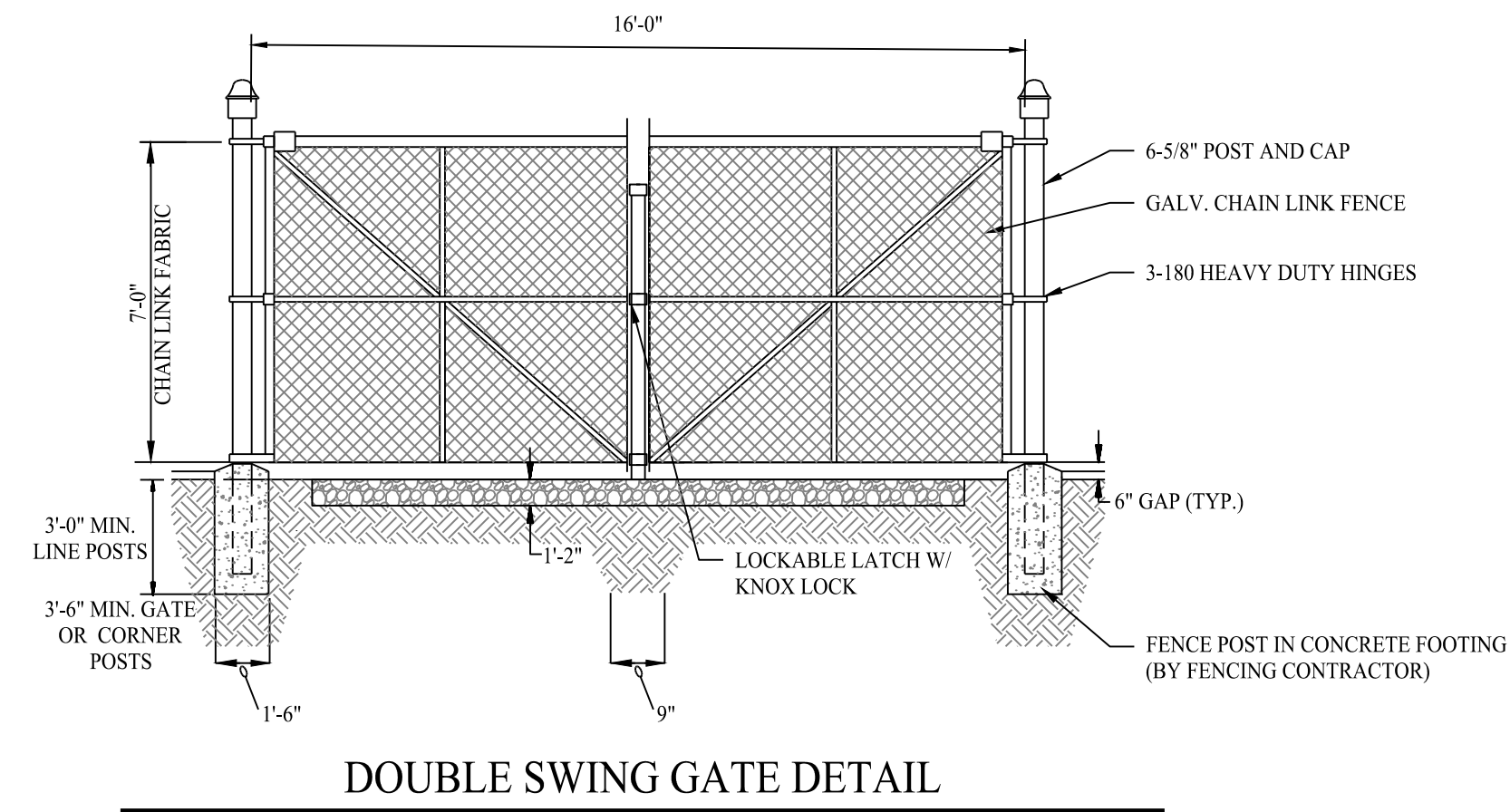
CONCRETE UTILITY PAD

SCALE: NTS



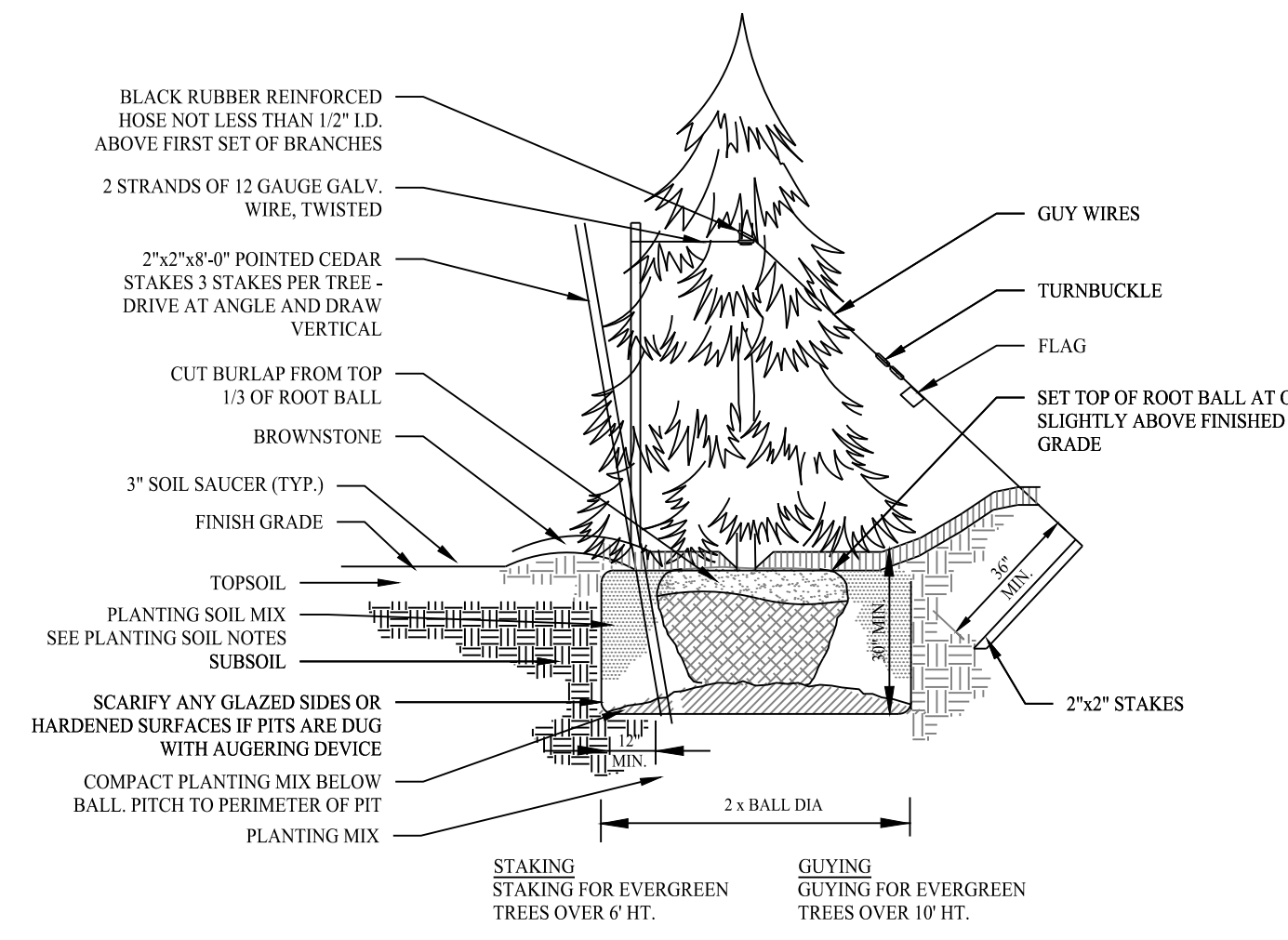
FENCE POST INSTALLATION

SCALE: NTS



DOUBLE SWING GATE DETAIL

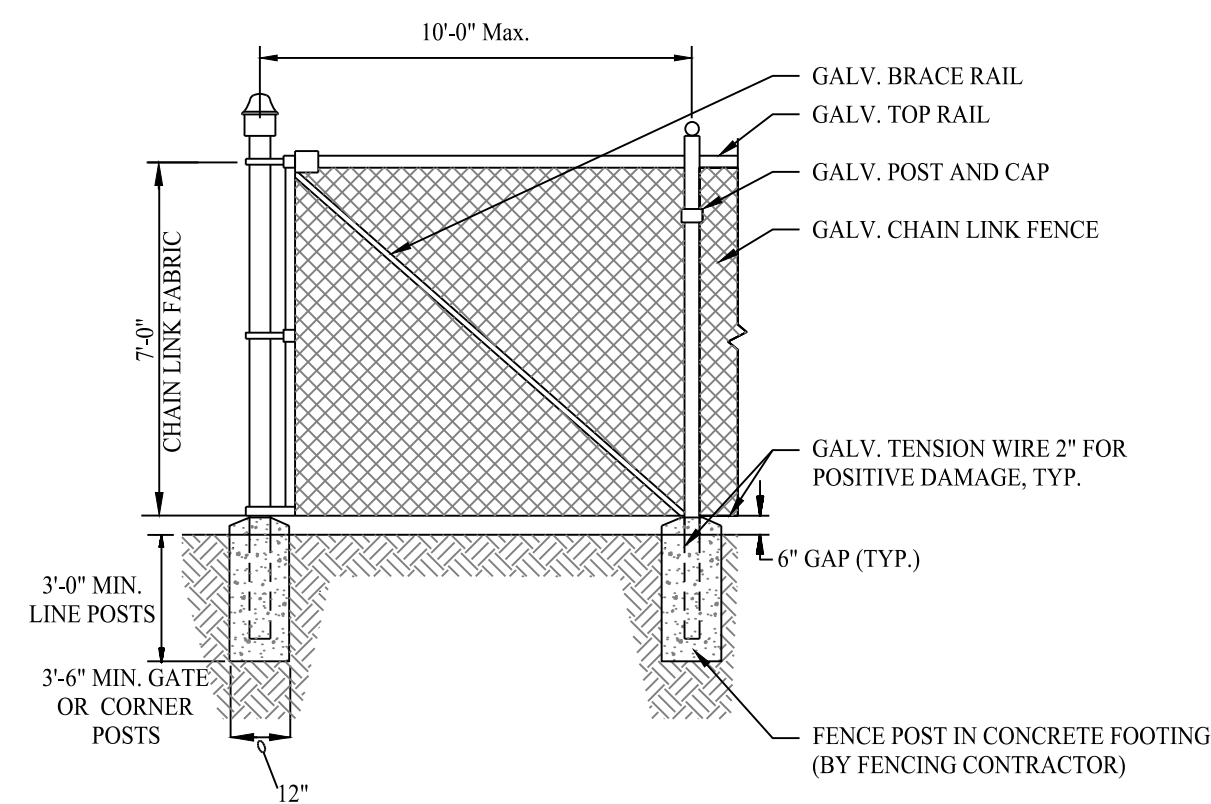
SCALE: NTS



EVERGREEN TREE PLANTING

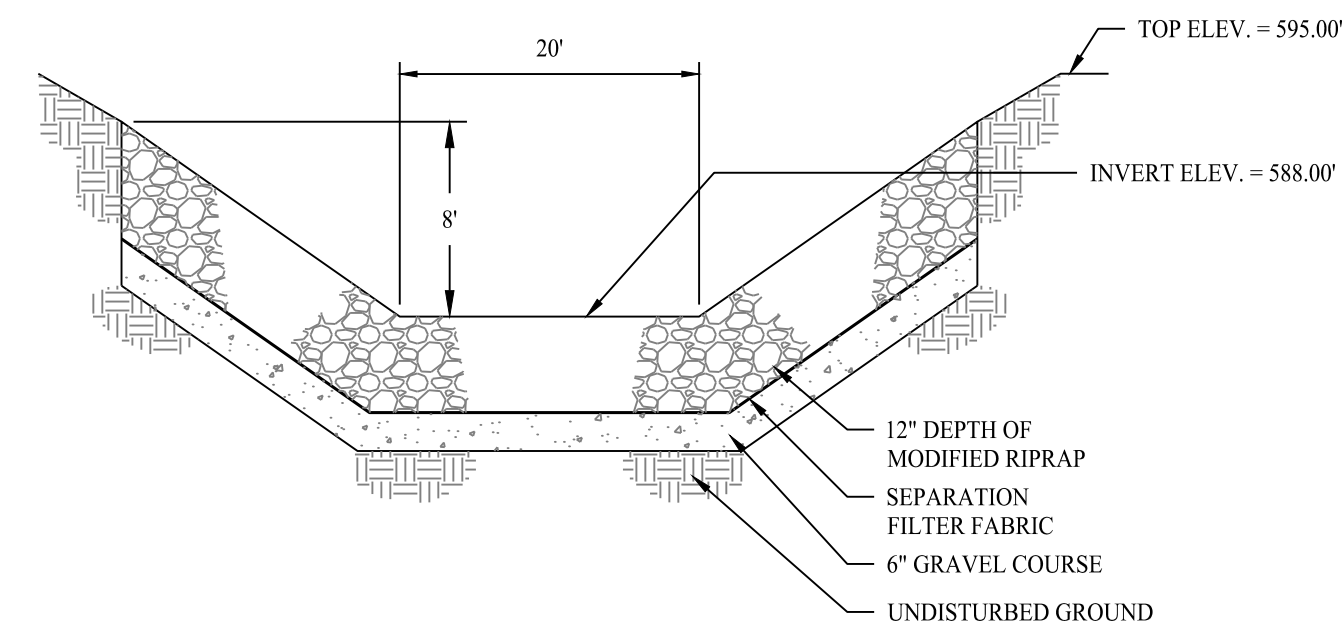
SCALE: NTS

SEE THE SITEWORK SPECIFICATIONS FOR THE SIZE, TYPE, AND GAUGE OF MATERIALS THAT WILL BE USED FOR CONSTRUCTION OF A CHAIN LINK FENCE.



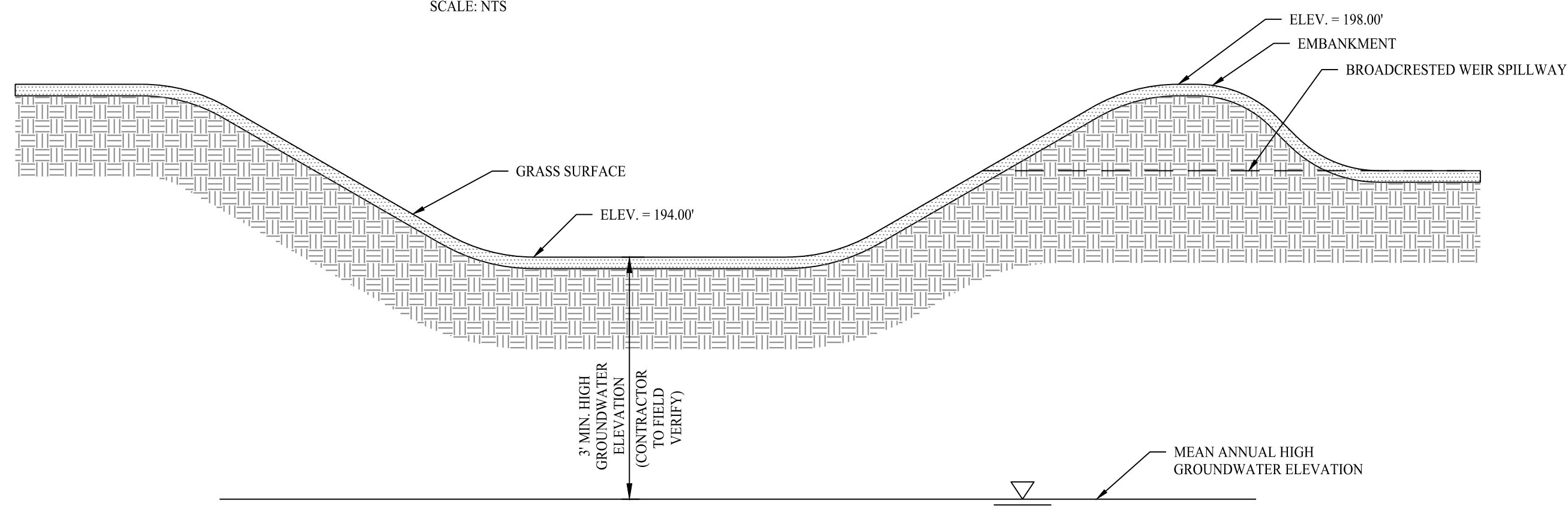
7' HIGH CHAIN LINK FENCE DETAIL

SCALE: NTS



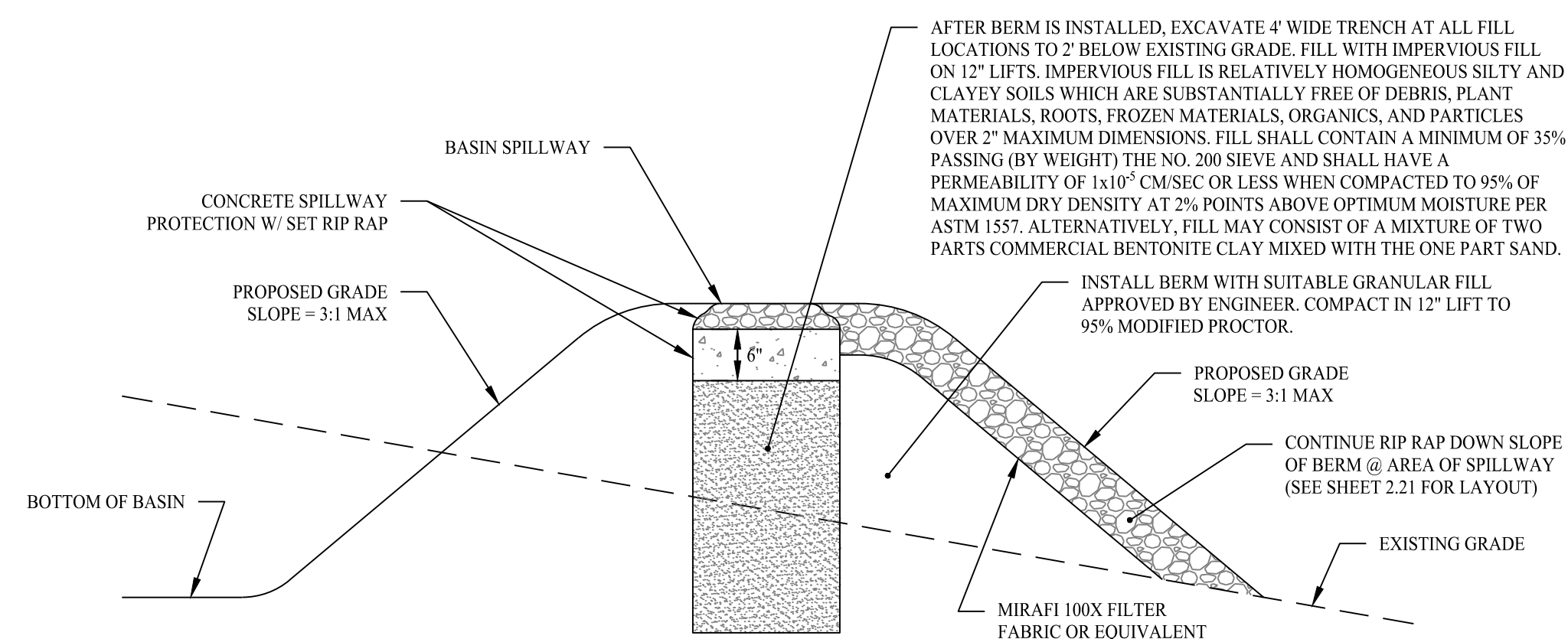
BROADCRESTED WEIR SPILLWAY

SCALE: NTS



INFILTRATION BASIN CROSS-SECTION

SCALE: NTS



TYPICAL SPILLWAY IN FILL SECTION DETAIL

SCALE: NTS

Rev. #: Date Description

Graphic Scale:



**SOLLI ENGINEERING**

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Drawn By: SFU  
 Checked By: CJB  
 Approved By: KMS  
 Project #: 22108701  
 Plan Date: 12/13/23  
 Scale: NTS



Kevin Solli, P.E.  
 CT 25759

**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 37 HUNTERS LANE  
 SOUTHTONING, CONNECTICUT

Sheet Title: CONSTRUCTION DETAILS

Sheet #:

**3.01**