

USGS MAP

SCALE: 1" = 1,000'

# PROPOSED 0.99 MW AC SOLAR PHOTOVOLTAIC ARRAY

37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

## CIVIL CONSTRUCTION DRAWINGS

PREPARED FOR:

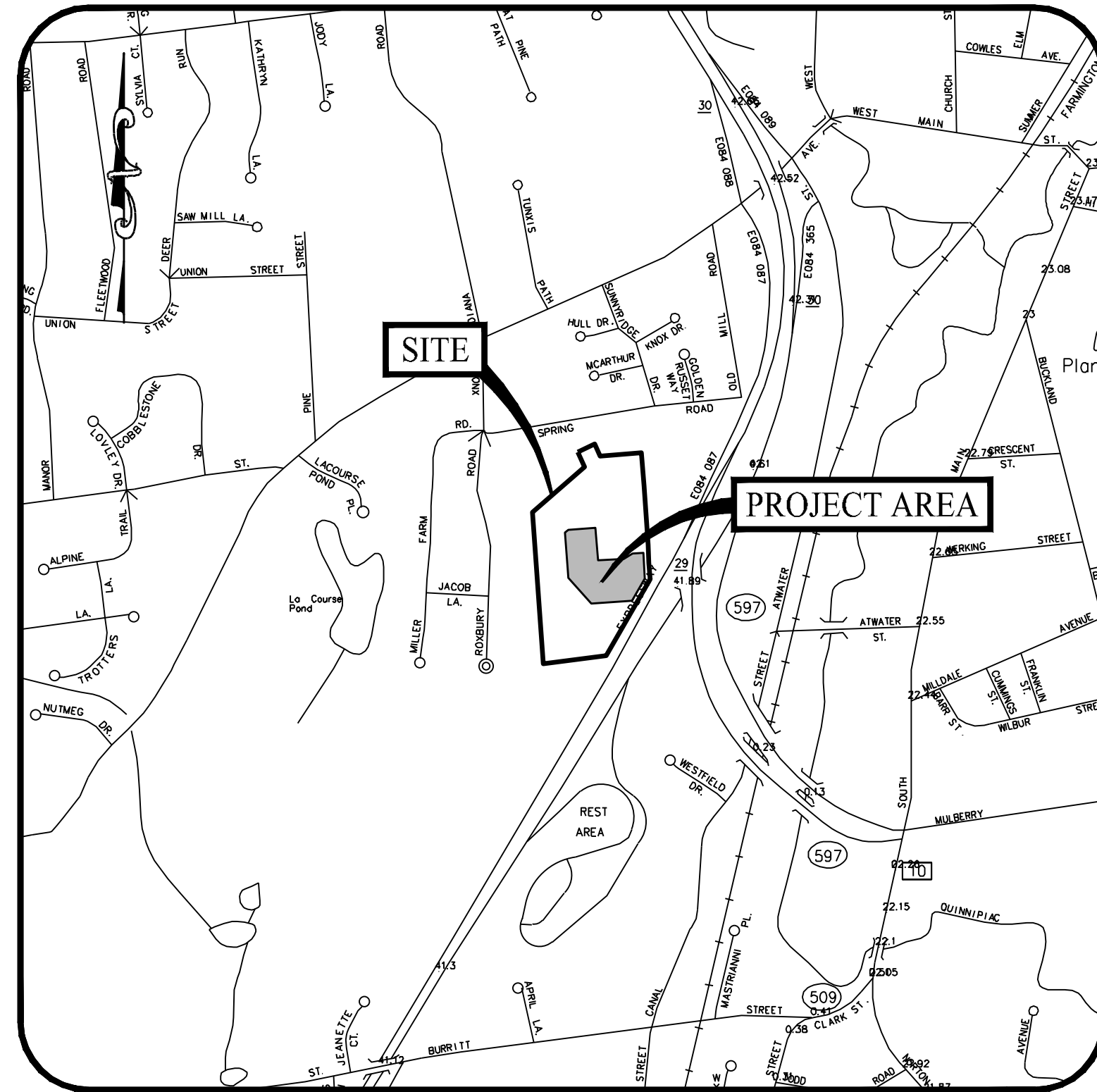


888 PROSPECT STREET, SUITE 200  
LA JOLLA, CALIFORNIA

PREPARED BY:



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



LOCATION MAP

SCALE: 1" = 1,000'

### OWNER

BAYBERRY WOODS LLC  
258 SHORE AVENUE  
GROTON, CONNECTICUT 06340

### APPLICANT

TRITEC AMERICAS, LLC  
888 PROSPECT STREET, SUITE 200  
LA JOLLA, CALIFORNIA 92037

### 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. GUIDICE, 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	11/12/24	01/03/25
S1	EXISTING CONDITIONS PLAN	02/21/24	N/A
0.10	PERMIT APPROVALS, NOTES, LEGEND & ABBREVIATIONS	11/12/24	01/03/25
2.10	OVERALL SITE PLAN	11/12/24	01/03/25
2.11	SITE LAYOUT PLAN	11/12/24	01/03/25
2.12	SITE LAYOUT PLAN	11/12/24	01/03/25
2.21	GRADING & DRAINAGE PLAN	11/12/24	01/03/25
2.22	GRADING & DRAINAGE PLAN	11/12/24	01/03/25
2.23	GRADING & DRAINAGE PLAN - ENLARGEMENT	11/12/24	01/03/25
2.31.1	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE I	11/12/24	01/03/25
2.31.2	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE I	11/12/24	01/03/25
2.32.1	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE II	11/12/24	01/03/25
2.32.2	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE II	11/12/24	01/03/25
2.41	SOIL EROSION & SEDIMENT CONTROL DETAILS	11/12/24	01/03/25
3.01	CONSTRUCTION DETAILS	11/12/24	01/03/25
3.02	CONSTRUCTION DETAILS	11/12/24	01/03/25

1 01/03/25 REVISED DRAINAGE		
Rev. #:	Date	Description
Project: <b>SOLAR PHOTOVOLTAIC ARRAY</b> 37 HUNTERS LANE SOUTHINGTON, CONNECTICUT		
Sheet Title: <b>COVER SHEET</b>		Sheet #: <b>0.00</b>



- 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

[illegible]

14. This survey does not include the location of any underground improvements or encroachments, subsurface utility lines or buried debris. Nor does it necessarily reflect the existence of any waste dumps or hazardous materials. The underground items depicted or noted are approximate and are not guaranteed. Notify "CALL BEFORE YOU DIG" 1-800-922-4455 prior to any excavation operations.



cole #0978C		drawn by: JML
Revisions		
Date:	Descriptions:	

scale: 1" = 80'



**COLE**  
civil + survey

876 south main street  
plantsville, ct 06479  
colecivil.com  
860.628.4484

# S1



GENERAL NOTES

1. CONTRACTOR TO PERFORM ALL SITE WORK PROPOSED HEREON IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL PERMITS / APPROVALS AND CONDITIONS OF APPROVALS ISSUED FOR THIS PROJECT. THE OWNER IS TO PROVIDE THE CONTRACTOR WITH ALL APPROVALS / DOCUMENTATION PRIOR TO CONSTRUCTION.
2. EXISTING BOUNDARY, TOPOGRAPHY AND SITE CONDITIONS INFORMATION TAKEN FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN, PREPARED FOR SOLLI ENGINEERING, LLC, 37 HUNTERS LANE, SOUTHLINGTON, CONNECTICUT" DATED MAY 23, 2023, SCALE: 1"=60', BY HARRY E. COLE & SON.
3. ALL CONSTRUCTION SHALL COMPLY WITH THE TOWN OF SOUTHLINGTON 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. IF THE CONTRACTOR HAS QUESTIONS / COMMENTS REGARDING STANDARDS OR SPECIFICATIONS REFER ALL QUESTIONS / COMMENTS TO THE CIVIL ENGINEER OF RECORD.
4. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO SCHEDULE AND COORDINATE A PRE-CONSTRUCTION MEETING WITH THE OWNER OR OWNER'S REPRESENTATIVE), CIVIL ENGINEER OF RECORD, AND CT DEEP AND/OR LOCAL CONSERVATION DISTRICT REPRESENTATIVE.
5. THE OWNER / CONTRACTOR ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, AND PROVIDE PROOF OF INSURANCE NECESSARY FOR THIS PROJECT.
6. ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF THE CURBS OR EDGE OF PAVEMENT AS APPLICABLE UNLESS OTHERWISE NOTED.
7. 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.
8. THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
9. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, CIVIL ENGINEER OF RECORD, AND REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.

SITE PLAN NOTES

1. CONTRACTOR TO PERFORM ALL SITE WORK PROPOSED HEREON IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL PERMITS / APPROVALS AND CONDITIONS OF APPROVALS ISSUED FOR THIS PROJECT. THE OWNER IS TO PROVIDE THE CONTRACTOR WITH ALL APPROVALS / DOCUMENTATION PRIOR TO CONSTRUCTION.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO SCHEDULE AND COORDINATE A PRE-CONSTRUCTION MEETING WITH THE OWNER OR OWNER'S REPRESENTATIVE), CIVIL ENGINEER OF RECORD, AND CT DEEP AND/OR LOCAL CONSERVATION DISTRICT REPRESENTATIVE.
3. THE OWNER / CONTRACTOR ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROLS NECESSARY FOR THIS PROJECT.
4. 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 CIVIL ENGINEER OF RECORD. DURING CONSTRUCTION THE CONTRACTOR IS TO HAVE THE SITE MAINTAINED FREE OF ALL TRASH, LITTER, DEBRIS AND OVERGROWN VEGETATION.
5. THE OWNER SHALL BE RESPONSIBLE TO HAVE THE SITE MAINTAINED FREE OF ALL TRASH, LITTER, DEBRIS AND OVERGROWN VEGETATION.

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 THE 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 SHALL 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 ERNMX-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

BOX TURTLE PROTECTION NOTES

THE FOLLOWING IS A SUMMARY OF MEASURES REQUIRED BY THE 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 KEVED 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 LAID 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 MOOR, 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 NDBR 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 SPECIFIC ACTIVITIES 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 IMPLEMENTED 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.



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL  
Ten Franklin Square, New Britain, CT 06051  
Phone: (860) 827-2918 Fax: (860) 827-2959  
E-Mail: [siting\\_council@ct.gov](mailto:siting_council@ct.gov)  
Web Site: [portal.ct.gov/soc](http://portal.ct.gov/soc)

VIA ELECTRONIC MAIL & CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

June 21, 2024

Paul R. Michaud  
Michaud Law Group LLC  
515 Centerpoint Drive  
Suite 503  
Middletown, CT 06457  
[pmichaud@michaud.law](mailto:pmichaud@michaud.law)

RE: PETITION NO. 1612 – TRITEC Americas, LLC notice of election to waive exclusion from Connecticut Siting Council jurisdiction, pursuant to Connecticut General Statutes §16-50k(e), and petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 0.999-megawatt AC solar photovoltaic electric generating facility located at 37 Hunters Lane, Southington, Connecticut, and associated electrical interconnection. **Final Decision.**

Dear Attorney Michaud:

At a public meeting held on June 20, 2024, the Connecticut Siting Council (Council) considered and ruled that the above-referenced proposal meets air and water quality standards of the Department of Energy and Environmental Protection and would not have a substantial adverse environmental effect, and pursuant to Connecticut General Statutes § 16-50k, would not require a Certificate of Environmental Compatibility and Public Need, with the following conditions:

1. Approval of any project changes be delegated to Council staff;
2. Submit a copy of the DEEP Stormwater Permit and final DEEP NDBD determination prior to commencement of construction;
3. Submit the final electrical interconnection plans for Council review and approval prior to commencement of construction, if the alternate electrical interconnection route is feasible;
4. Submit the final structural design for the racking system stamped by a Professional Engineer duly licensed in the State of Connecticut prior to commencement of construction;
5. Install perimeter fencing with a six-inch gap at the bottom to allow for small wildlife passage;
6. Implement the eastern box turtle protection/conservation measures and Resource Protection Plan;
7. Submit an agricultural co-use plan for the site, if applicable, with a document that shall indemnify and hold harmless the Council, its agents, representatives and employees from any and all losses, claims, actions, costs and expenses, judgments, subrogations, or other damages resulting from any injury to a person or to property arising out of the presence of third-parties within the fenced solar facility site;

GRADING & DRAINAGE NOTES

1. 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.
2. 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.
3. ALL DISTURBANCE INCURRED TO TOWN, COUNTY, OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER.
4. 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 OWNERS' ENVIRONMENTAL CONSULTANT.
5. 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 THE REGULATIONS OF THE 3024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
6. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE CONSIDERED APPROXIMATE.
7. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND / OR AS NOTED ON DRAWINGS. REFER TO THE SOIL EROSION & SEDIMENT CONTROL PLANS FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES.
8. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON-SITE FOR USE IN FINAL LANDSCAPING.
9. VERTICAL DATUM IS NAVD83 PER SURVEY OF RECORD. CONTRACTOR TO COORDINATE WITH SURVEYOR OF RECORD TO SET BENCHMARK ON-SITE.
10. 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) OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
11. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER 12" OR GREATER IN DIAMETER SHALL BE HI-Q SURE-LOK 10.8 PIPE AS MANUFACTURED BY IANCOR INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M29, TYPE S. PIPE SECTIONS SHALL BE JOINED WITH BELL-AND-SPIGOT JOINT MEETING THE REQUIREMENTS OF AASHTO M29. THE BELL SHALL BE AN INTEGRAL PART OF THE PIPE AND PROVIDE A MINIMUM PULL-APART STRENGTH OF 400 POUNDS. THE JOINT SHALL BE WATER TIGHT. ACCORDING TO THE REQUIREMENTS OF ASTM D3212, GASKETS SHALL BE MADE OF POLYISOPRENE MEETING THE REQUIREMENTS OF ASTM F47; ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING.

SITE UTILITY NOTES

1. 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.
2. 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.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN IN THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER OF RECORD.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES 72 HOURS PRIOR TO BEGINNING EXCAVATION AND INSTALLATION OF ANY UTILITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS WITH EVERSOURCE ENERGY.
6. ALL PAVEMENT REPAIRS REQUIRED AS A RESULT OF ANY UTILITY WORK SHALL COMPLY WITH THE TOWN OF EAST LYME AND CTDOT STANDARDS AND SPECIFICATIONS.
7. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
8. ALL UTILITY WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS AND / OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY AUTHORITIES.
9. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2 FEET OF COVER FOR ALL UNDERGROUND ELECTRIC UTILITY LINES PRIOR TO THE MOVING 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.
10. ALL MATERIAL SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES UNLESS OTHERWISE DIRECTED BY THE CIVIL ENGINEER OF RECORD.
11. SHOULD LATENT SOIL CONDITIONS NECESSITATE, CONTRACTOR SHALL INSTALL SPECIAL SUPPORTS FOR PIPING AND OR APPURTENANCES INCLUDING THE REMOVAL OF UNSUITABLE MATERIAL AND BACKFILLING WITH GRAVEL. OTHER APPROVED MATERIAL CONTRACTOR SHALL PERFORM ANY SUCH WORK AS DIRECTED BY THE CIVIL ENGINEER AND/OR SOILS ENGINEER AT NO COST TO THE OWNER.

SEDIMENT & EROSION CONTROL NOTES

1. PRIOR TO STARTING ANY OTHER WORK ON SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT. EROSION CONTROLS TO BE INSTALLED AT THE EDGE OF PROPOSED WORK.
2. EROSION CONTROLS TO ACT AS A LIMIT OF WORK LINE TO ENSURE THAT NO EQUIPMENT ENCRUSCHES ON THE ADJACENT PROPERTIES.
3. EROSION CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED FOR THE DURATION OF THE PROJECT TO LIMIT THE MOVEMENT OF SILTATION AND SEDIMENTS FROM ENTERING EXISTING DRAINAGE SYSTEMS OR FROM LEAVING THE PARCEL, AND ACCUMULATED SEDIMENTS ARE TO BE REMOVED FROM THE EROSION CONTROLS AND DISPOSED TO PROPERLY. ADDITIONALLY, ALL EROSION CONTROLS ARE TO BE INSPECTED AFTER A STORM EVENT AND THE CONTROLS REPLACED OR ARMORED AS NECESSARY AND ACCUMULATED SEDIMENTS REMOVED.
4. ADDITIONAL EROSION CONTROLS ARE TO BE UTILIZED AS NECESSARY AND AS DIRECTED BY THE CIVIL ENGINEER OF RECORD TO LIMIT SEDIMENTS FROM DISCHARGING TO ADJACENT PROPERTIES OR INTO EXISTING STORM DRAIN SYSTEMS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT EROSION SHALL NOT AFFECT AND OP-SITE AREAS, WHETHER SUCH EROSION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
6. A RESERVE AMOUNT OF EROSION CONTROL MATERIALS ARE TO BE KEPT WITHIN EASY ACCESS ON SITE AT ALL TIMES.
7. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT FARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF THE TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
8. TEMPORARY STOCKPILING OF MATERIALS RELATED TO THE CONSTRUCTION ACTIVITIES ARE TO BE PROPERLY STABILIZED, PROTECTED AND DEMARCATED TO LIMIT MOVEMENT OF MATERIAL INTO STORM DRAIN SYSTEM OR ONTO ADJACENT PARCELS.
9. REFUELLING AND ANY WORK ASSOCIATED WITH THE MAINTENANCE OF CONSTRUCTION EQUIPMENT TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE REGULATIONS.
10. THE AREAS OF CONSTRUCTION SHALL REMAIN IN A STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROLS SHALL BE CHECKED AT THIS TIME AND MAINTAINED OR REINFORCED IF NECESSARY.
11. EROSION CONTROLS SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH PAVEMENT, PLANTINGS, OR WITH AN ESTABLISHED STAND OF GRASS. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE STABILIZATION IS COMPLETE. CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS AS DIRECTED BY THE ENGINEER OF RECORD, CT DEEP AND/OR CONSERVATION DISTRICT REPRESENTATIVE.
12. UTILIZE APPROPRIATE DEWATERING SYSTEMS AND TECHNIQUES TO MAINTAIN THE EXCAVATED AREA SUFFICIENTLY DRY FROM GROUNDWATER AND/OR SURFACE RUNOFF SO AS TO NOT ADVERSELY AFFECT CONSTRUCTION PROCEDURES OR CAUSE EXCESSIVE DISTURBANCE OF UNDERLYING NATURAL GROUND.
13. WATER FROM TRENCHES AND EXCAVATIONS SHALL NOT BE DISCHARGED DIRECTLY TO STORM DRAIN SYSTEMS. PRIOR TREATMENT TO A SEDIMENTATION AREA IS TO TAKE PLACE PRIOR TO DISCHARGE TO ANY DRAINAGE SYSTEMS.
14. THE CONTRACTOR SHALL REPAIR ANY DAMAGE RESULTING FROM THE FAILURE OF THE DEWATERING OPERATIONS OR FROM FAILURE TO MAINTAIN ALL THE AREAS OF WORK IN A SUITABLY DRY CONDITION.
15. PRECAUTIONS SHALL BE TAKEN TO PROTECT NEW WORK FROM FLOODING DURING STORMS OR FROM OTHER CAUSES. GRADING IN THE AREAS SURROUNDING ALL EXCAVATIONS SHALL BE PROPERLY SLOPED TO PREVENT WATER FROM RUNNING INTO THE EXCAVATED AREA OR TO ADJACENT PROPERTIES. WHERE REQUIRED, TEMPORARY DITCHES SHALL BE PROVIDED FOR DRAINAGE. UPON COMPLETION OF THE WORK AND WHEN DIRECTED, ALL AREAS SHALL BE RESTORED IN A SATISFACTORY MANNER AND AS DIRECTED.
16. ALL PIPELINES OR STRUCTURES NOT STABLE AGAINST UPLIFT DURING CONSTRUCTION OR PRIOR TO COMPLETION SHALL BE THOROUGHLY BRACED OR OTHERWISE PROTECTED.

ABBREVIATIONS

@	AT
AC	ACRES
BC	ADDITION OF CURB
BLDG	BUILDING
C	CURB INLET
CB	CATCH BASIN
DPW	DEPARTMENT OF PUBLIC WORKS
DNH	DRAINAGE MANHOLE
EX	EXISTING
FFE	FINISHED FLOOR ELEVATION
GAL	GALLONS
GD	GRADE TO DRAIN
HD	HEAVY DUTY
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LF	LINEAR FEET
OC	OUTLET CONTROL STRUCTURE
PROPOSED	PROPOSED
PK	POLYVINYL CHLORIDE
PVC	SLOPE
S	SCHEDULE
SCH	STANDARD DIMENSION RATIO
SDR	SEWER MANHOLE
SSWR	SEWER
STRM	STORM
TC	TOP OF CURB
TYP	TOP OF FRAME
VC	VITRIFIED CLAY PIPE
VIF	VERIFY IN FIELD
WQU	WATER QUALITY UNIT

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)
	TRNA 540W TRACKING MODULES
	CHAIN LINK FENCE
	NEW ENGLAND EROSION CONTROL / RESTORATION NO MOW MIX
	EVERGREEN TREE
	EXISTING STREAM
	GRAVEL ROAD
	LIMITS OF TREE CLEARING
	CONCRETE PAD
	MAJOR CONTOURS
	MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	CONTOUR LABEL
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	GRADE TO DRAIN
	STORM DRAIN PIPE
	OUTLET CONTROL STRUCTURE
	RIP RAP
	ELECTRIC CONDUIT
	OVERHEAD ELECTRIC LINE

PETITION NO. 1612

June 21, 2024  
Page 2

8. Submit a construction Spill Prevention Control and Countermeasure Plan with contractor information and appropriate reporting forms;
9. Submit an Emergency Response Plan for the proposed facility with contact information prior to facility operation;
10. Provide a copy of the Emergency Response Plan to local emergency responders prior to facility operation and provide emergency response training;
11. Submit a final landscaping plan with additional plantings along the west side of the site;
12. Install transformers with low level oil monitors and alarms;
13. Submit a post-construction operational noise study that documents compliance with state standards and the identification of any noise mitigation measures that are employed to adhere to the standards;
14. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities;
15. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed within three years from the date of the mailing of the Council's decision, this decision shall be void, and the facility owner/operator shall dismantle the facility and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The facility owner/operator shall provide written notice to the Executive Director of any schedule changes as soon as is practicable;

16. Any request for extension of the time period to fully construct the facility shall be filed with the Council not later than 60 days prior to the expiration date of this decision and shall be served on all parties and intervenors, if applicable, and the Town of Southington;
17. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed along with a representative photograph of the facility;
18. The facility owner/operator shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v;
19. This Declaratory Ruling may be transferred or partially transferred, provided both the facility owner/operator and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. The Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the facility within 30 days of the sale and/or transfer. Both the facility owner/operator and the transferee shall provide the Council with a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility, including contact information for the individual acting on behalf of the transferee; and
20. This Declaratory Ruling may be surrendered by the facility owner/operator upon written notification to the Council.

PETITION NO. 1612

June 21, 2024  
Page 3

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition dated February 2, 2024 and additional information dated May 13, 2024.

Enclosed for your information is a copy of the staff report on this project.

Sincerely,

Melanie A. Bachman  
Executive Director

MAB/IN/dll

Enclosure: Staff Report dated June 20, 2024

c: Service List, dated February 9, 2024  
The Honorable Paul Chaplinsky Jr., Chairperson, Town of Southington  
([pchaplinsky@southington.org](mailto:pchaplinsky@southington.org))  
Mark Sciotto, Town Manager, Town of Southington ([sciotto@southington.org](mailto:sciotto@southington.org))  
James Paul, Fire Marshal, Town of Southington ([jpaul@southington.org](mailto:jpaul@southington.org))

1	01/03/25	REVISED DRAINAGE
Rev. #:	Date	Description

Graphic Scale:



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Drawn By:	AWC
Checked By:	EEL
Approved By:	KMS
Project #:	22108701
Plan Date:	11/12/24
Scale:	NTS
Project:	



Kevin Solli, P.E.  
CT 25759

SOLAR PHOTOVOLTAIC  
ARRAY  
37 HUNTERS LANE  
SOUTHLINGTON, CONNECTICUT

Sheet Title:  
PERMIT  
APPROVALS,  
NOTES, LEGEND &  
ABBREVIATIONS

Sheet #:

0.10

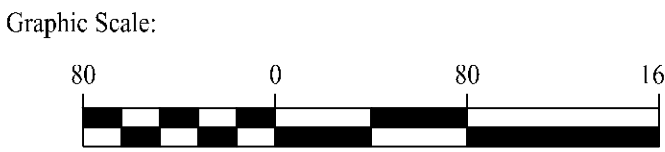


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LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJOINING LOT LINE
	SOLAR SETBACK
	LIMIT OF WETLANDS
	UPLAND REVIEW AREA - 100 FT BUFFER
	STORMWATER BASIN AREA
	ELECTRIC CONDUIT (BY OTHERS)
	EXISTING INTERMITTENT STREAM
	TRINA 540W TRACKING MODULES
	CHAIN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

1	01/03/25	REVISED DRAINAGE
Rev. #:	Date	Description





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Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22108701
Plan Date:	11/12/24
Scale:	1" = 80'



Project:

**SOLAR PHOTOVOLTAIC  
ARRAY**

37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

Sheet Title:

**OVERALL SITE  
LAYOUT PLAN**

Sheet #:

**2.10**







Jan 06, 2025 - 4:43pm chandy  
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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 - 50 FT BUFFER
	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
	EXISTING STREAM
	GRAVEL ROAD
	LIMITS OF TREE CLEARING
	CONCRETE PAD

1	01/03/25	REVISED DRAINAGE
Rev. #:	Date	Description



Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22108701
Plan Date:	11/12/24
Scale:	1" = 50'

Kevin Solli, P.E.  
CT 25759

Project:

**SOLAR PHOTOVOLTAIC  
ARRAY**

37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

Sheet Title:	Sheet #:
<b>SITE LAYOUT PLAN</b>	<b>2.12</b>



MATCHLINE - SEE SHEET 2.22



## GENERAL NOTES

1. 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.
2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
3. 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 SOUTHTONINGTON 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.
4. THE CONTRACTOR SHALL COMPACT FILL IN 12\"/>

## LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY 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	1,650	1,500	150 (CUT)

1

01/03/25

REVISED DRAINAGE

Rev. #:	Date	Description

Graphic Scale:

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Kevin Solli, P.E.  
CT 25759

Drawn By: AWC	<p>Kevin Solli, P.E. CT 25759</p>
Checked By: CJB	
Approved By: KMS	
Project #: 22108701	
Plan Date: 11/12/24	
Scale: 1" = 50'	

Project:  
**SOLAR PHOTOVOLTAIC  
ARRAY**  
37 HUNTERS LANE  
SOUTHTONINGTON, CONNECTICUT

Sheet Title: <b>GRADING &amp; DRAINAGE PLAN</b>	Sheet #: <b>2.21</b>
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LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	RIP RAP

1	01/03/25	REVISED DRAINAGE
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Approved By:	KMS
Project #:	22108701
Plan Date:	11/12/24
Scale:	1" = 50'



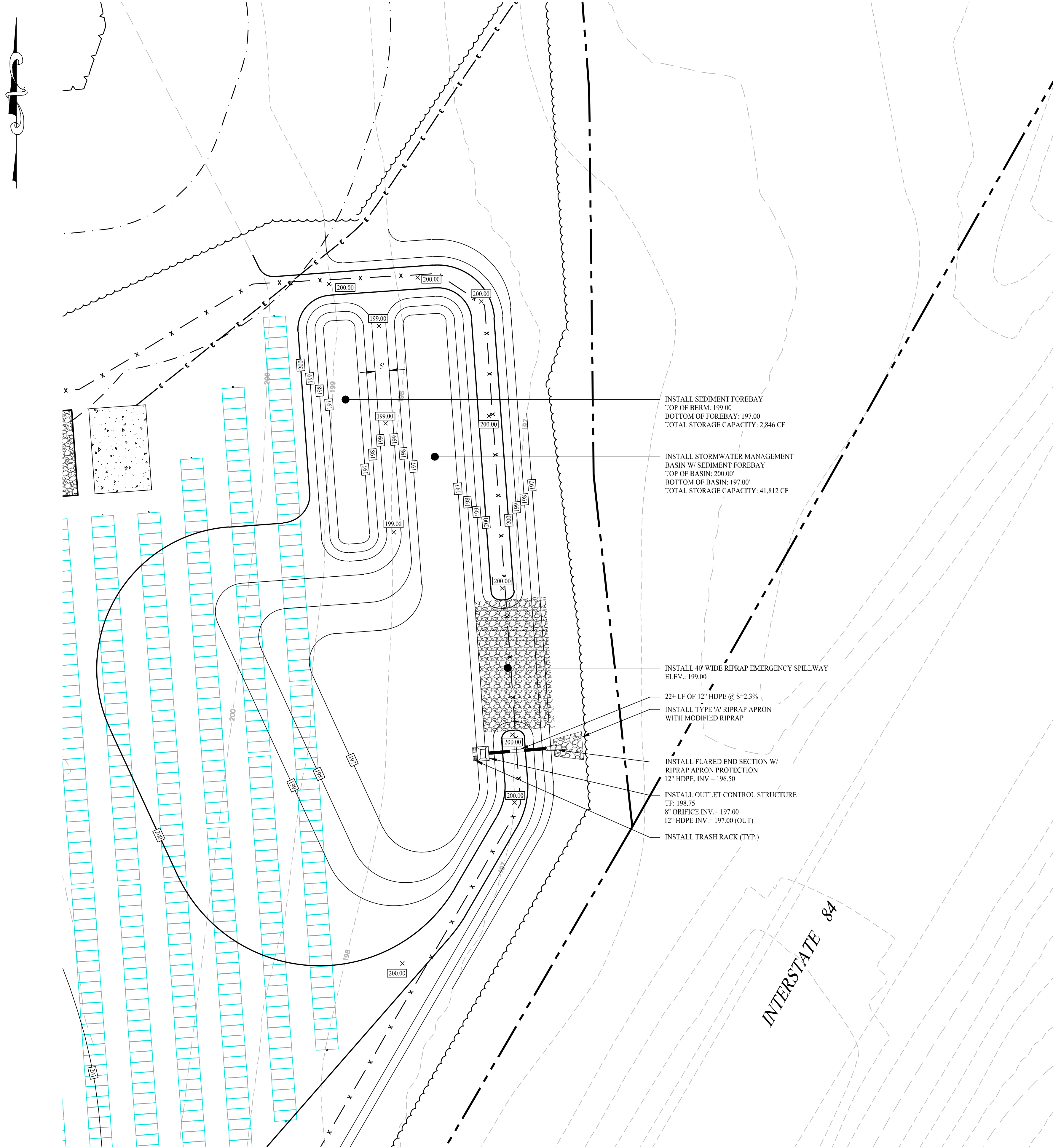
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**SOLAR PHOTOVOLTAIC  
ARRAY**  
37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

Sheet Title:  
**GRADING &  
DRAINAGE  
PLAN**

Sheet #:  
**2.22**



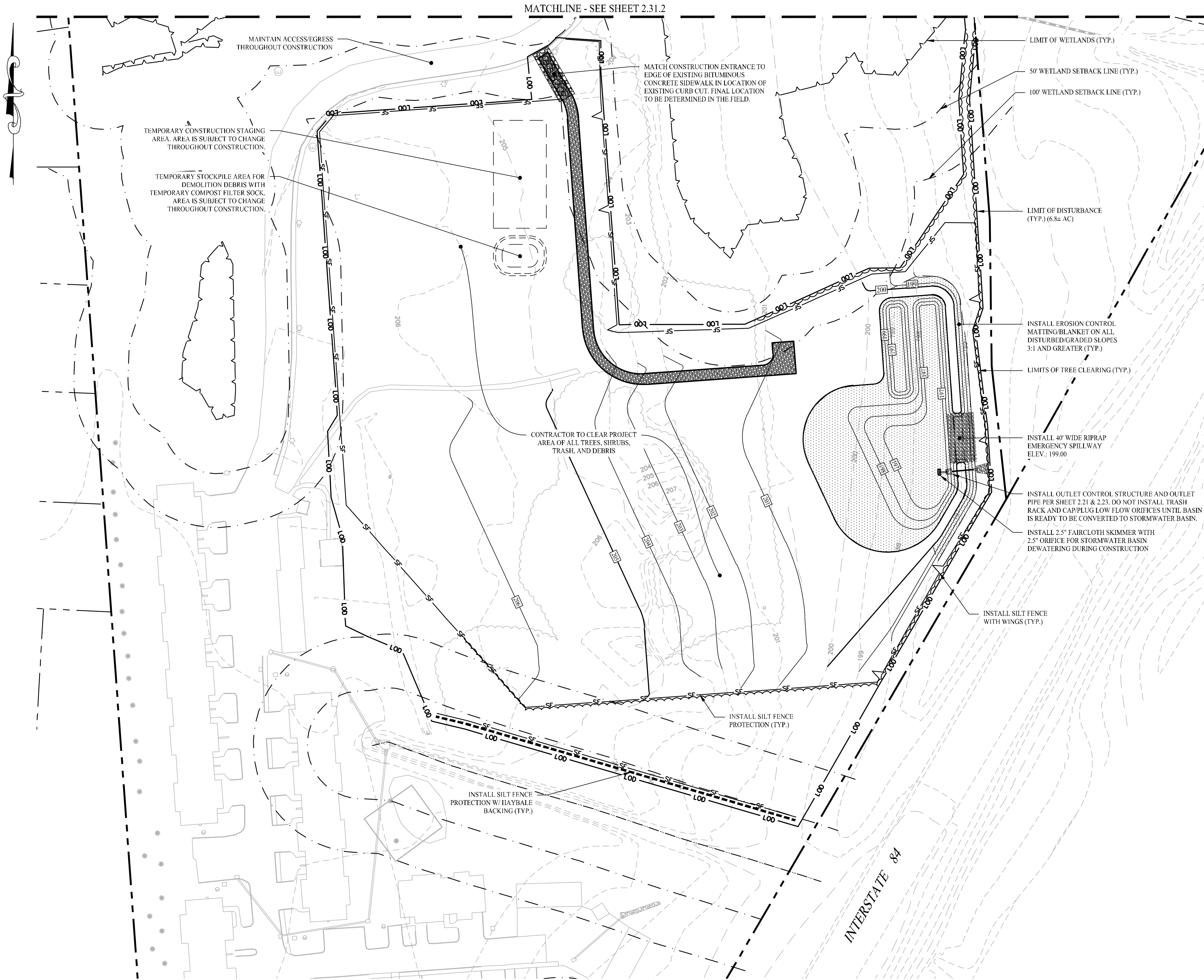
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LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	RIP RAP

1 01/03/25 REVISED DRAINAGE	
Rev. #:	Date Description
Graphic Scale: 20 0 20 40	
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Drawn By: AWC	
Checked By: CJB	
Approved By: KMS	
Project #: 22108701	
Plan Date: 11/12/24	
Scale: 1" = 20'	Kevin Solli, P.E. CT 25759
Project: SOLAR PHOTOVOLTAIC ARRAY 37 HUNTERS LANE SOUTHINGTON, CONNECTICUT	
Sheet Title: GRADING & DRAINAGE PLAN - ENLARGEMENT	Sheet #: 2.23





CONSTRUCTION OPERATION & MAINTENANCE PLAN		
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.

#### LEGEND

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

#### 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 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, 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 OR SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEED 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 NORTHEAST SOLAR POLLINATOR 4" MIX - ERNMX-611, OR APPROVED EQUAL, WITHIN THE LIMITS OF DISTURBANCE. NEW ENGLAND EROSION CONTROL RESTORATION MIX FOR STORMWATER BASINS & MOIST SITES, OR APPROVED EQUAL, SHALL BE UTILIZED ON THE BOTTOM OF THE BASIN & NORTHEAST SOLAR POLLINATOR 4" MIX - ERNMX-611, OR APPROVED EQUAL, ON THE SIDE SLOPES OF THE BASIN.
- REFER TO SHEET 2.41 FOR SEDIMENT & EROSION CONTROL NARRATIVE & DETAILS.

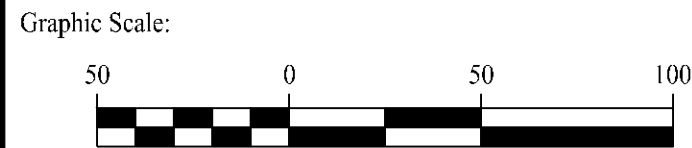
#### CONSTRUCTION SEQUENCE (PHASE I)

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.
- ONCE PERIMETER CONTROLS HAVE BEEN INSTALLED, CONTRACTOR TO NOTIFY ENGINEER AND CONSERVATION DISTRICT REPRESENTATIVES FOR A PERIMETER CONTROL INSPECTION AND APPROVAL BEFORE PRIOR TO MOVING ONTO THE NEXT STEP OF CONSTRUCTION.
- PERFORM REMAINING TREE AND BRUSH CLEARING WITHIN THE PROJECT AREA.
- INSTALL GRAVEL ACCESS DRIVE.
- INSTALL STORMWATER MANAGEMENT BASIN.
- ONCE CONSTRUCTION OF STORMWATER BASIN HAS BEEN COMPLETED AND STABILIZED, CONTRACTOR TO NOTIFY ENGINEER AND CONSERVATION DISTRICT REPRESENTATIVES FOR A STORMWATER BASIN INSPECTION AND APPROVAL BEFORE PRIOR TO MOVING ONTO THE NEXT STEP OF CONSTRUCTION.
- PERFORM REMAINING GRADING WITHIN THE PROJECT AREA.
- TEMPORARY SEED AND APPLY STRAW MATTING TO ALL DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.

1	01/03/25	REVISED DRAINAGE
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Approved By:	KMS
Project #:	22108701
Plan Date:	11/12/24
Scale:	1" = 50'



Project:

**SOLAR PHOTOVOLTAIC  
ARRAY**

37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

Sheet Title:

**SOIL EROSION &  
SEDIMENT  
CONTROL PLAN  
PHASE I**

Sheet #:

**2.31.1**



Jan 06, 2025 - 4:44pm chandy  
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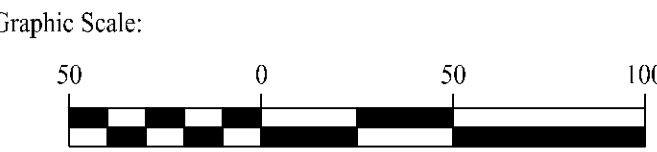


MATCHLINE - SEE SHEET 2.31.1

## LEGEND

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

1	01/03/25	REVISED DRAINAGE
Rev. #:	Date	Description



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Checked By:	CJB
Approved By:	KMS
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Plan Date:	11/12/24
Scale:	1" = 50'



Project:

**SOLAR PHOTOVOLTAIC  
ARRAY**

37 HUNTERS LANE  
SOUTHINGTON, CONNECTICUT

Sheet Title:

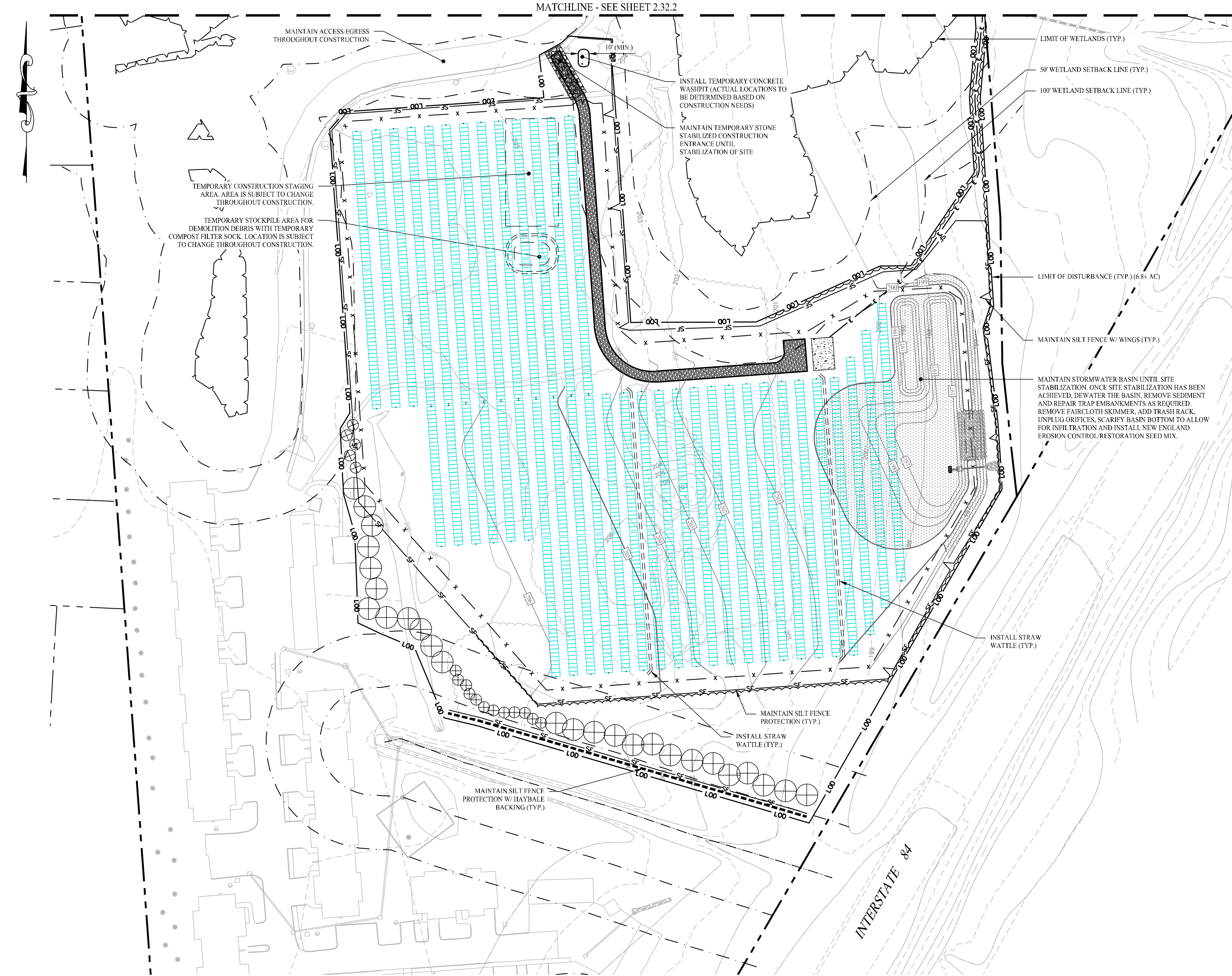
**SOIL EROSION &  
SEDIMENT  
CONTROL PLAN  
PHASE I**

Sheet #:

**2.31.2**



MATCHLINE - SEE SHEET 2.32.2



## LEGEND

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

## 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, CHAIN LINK FENCE, AND STABILIZE ALL DISTURBED AREAS.
  3. INSTALL UNDERGROUND ELECTRIC CONDUIT FROM EQUIPMENT PAD TO INTERCONNECTION POINT. CONTRACTOR TO NOTIFY ENGINEER 5 DAYS PRIOR TO INSTALLATION OF CONDUIT THROUGH THE EXISTING WETLANDS. CONTRACTOR TO REFER TO THE RESOURCE PROTECTION NOTES ON SHEET 0.10 FOR ALL WORK WITHIN THE WETLANDS.
  4. ONCE ALL DISTURBED AREAS UPSLOPE OF STORMWATER BASIN HAVE BEEN STABILIZED, REMOVE ANY SEDIMENT FROM THE BOTTOM OF THE BASIN, REMOVE THE FAIRCLOTH SKIMMER, INSTALL THE LOW FLOW ORIFICE AND TRASH RACK ON THE OUTLET CONTROL STRUCTURE AND RESEED BASIN AS NECESSARY.
  5. 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 PREDICTED WITHIN 24 HOURS OF FINAL GRADING, WHICHEVER TIME PERIOD IS LESS.
  6. FINE GRADE, RAKE SEED, AND MULCH ALL REMAINING DISTURBED AREAS.
  7. AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE AND THE CONSERVATION DISTRICT AGENT, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.

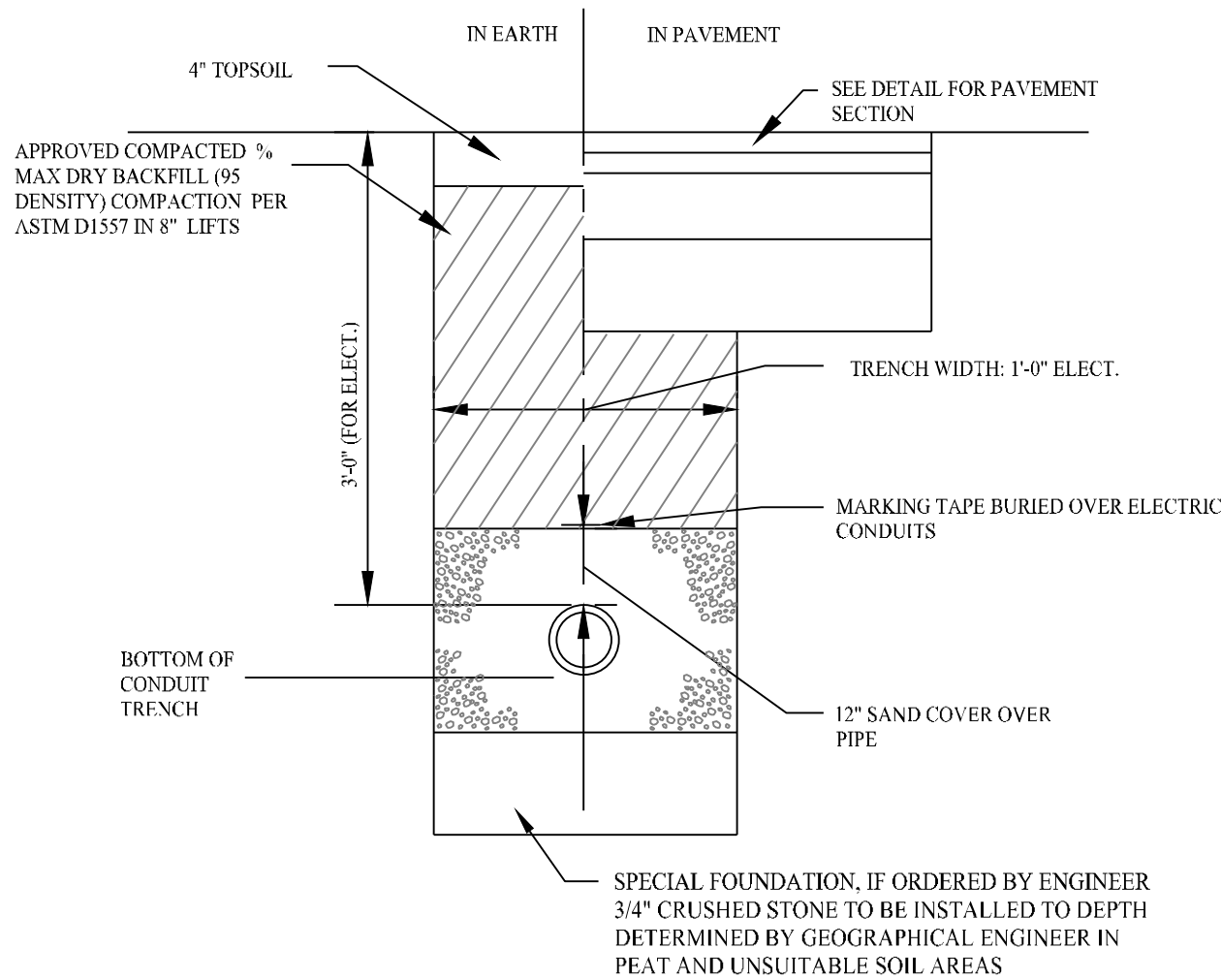
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Graphic Scale:	
MONROE, CT   W. HARTFORD, CT   NORWOOD, MA SOLLIENGINEERING.COM T: (203) 880-5455   F: (203) 880-9695	
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Checked By: CJB	
Approved By: KMS	
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Project:	
SOLAR PHOTOVOLTAIC ARRAY 37 HUNTERS LANE SOUTHINGTON, CONNECTICUT	
Sheet Title: SOIL EROSION & SEDIMENT CONTROL PLAN PHASE II	Sheet #: 2.32.1





LEGEND

- PROPERTY LINE
- SILT FENCE PROTECTION
- HAYBALE PROTECTION
- 7' TALL CHAIN LINK FENCE
- LIMIT OF DISTURBANCE
- MATERIAL STOCKPILE AREA
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET
- CONCRETE WASHPIT
- LIMITS OF TREE CLEARING
- COMPOSITE FILTER SOCK

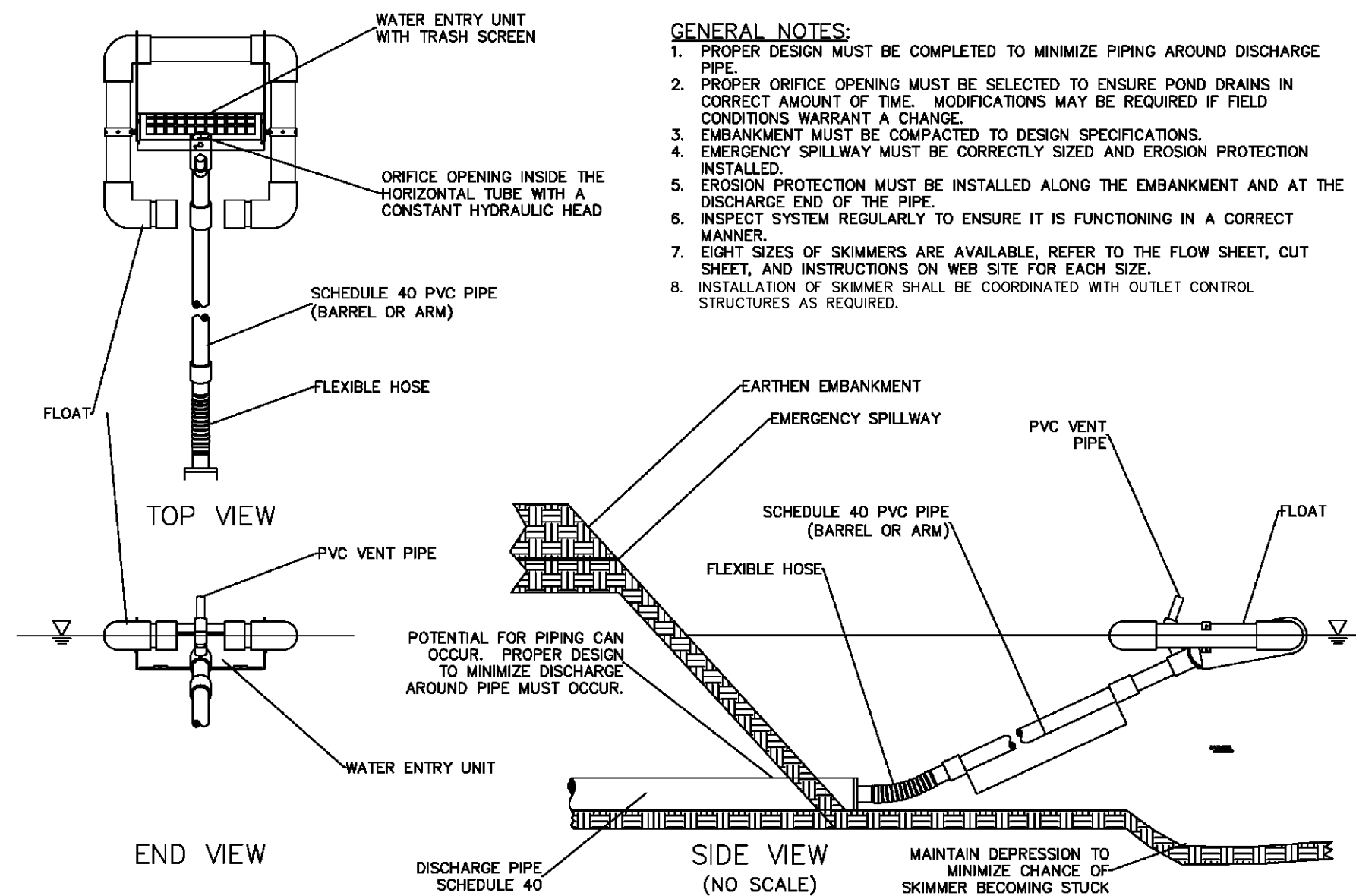
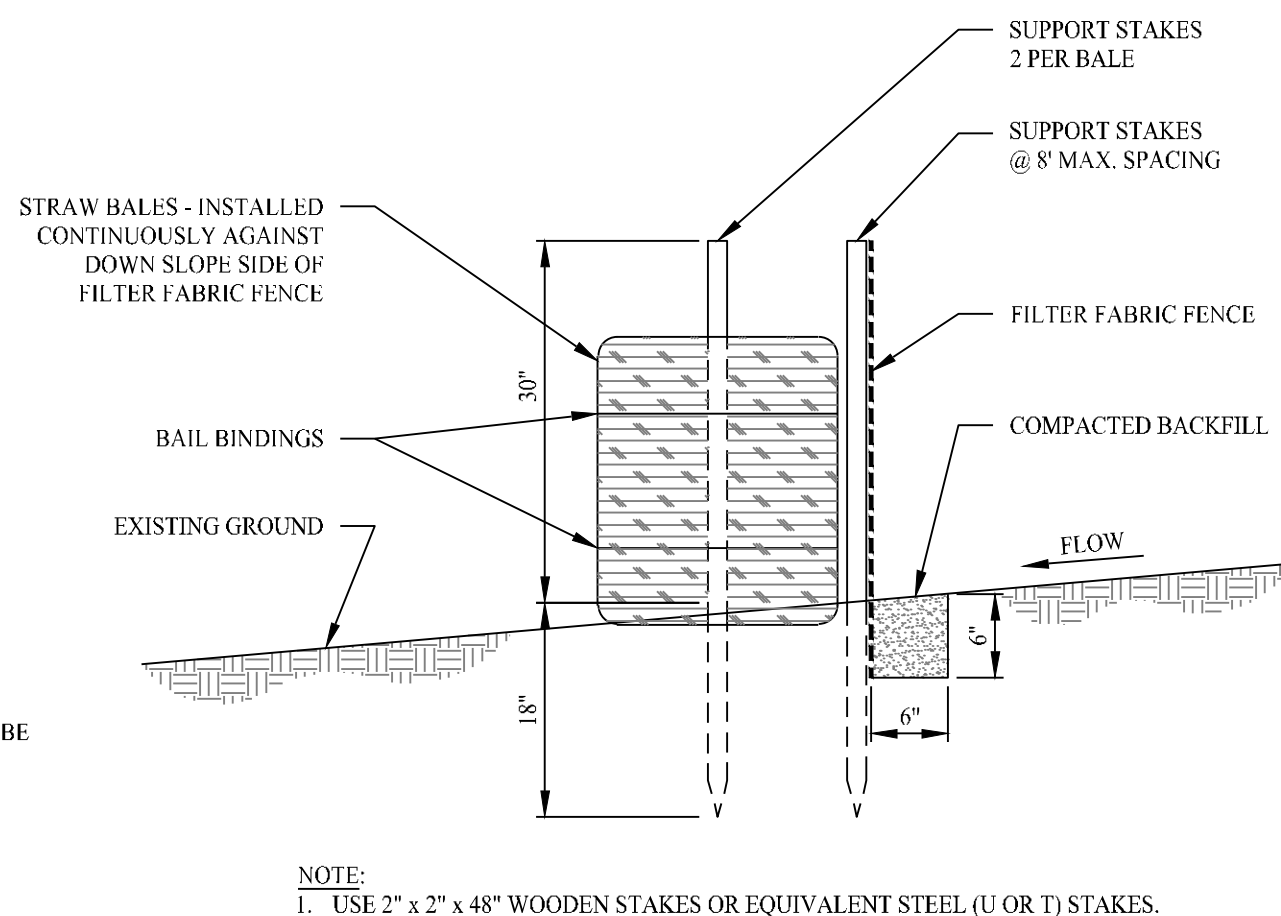
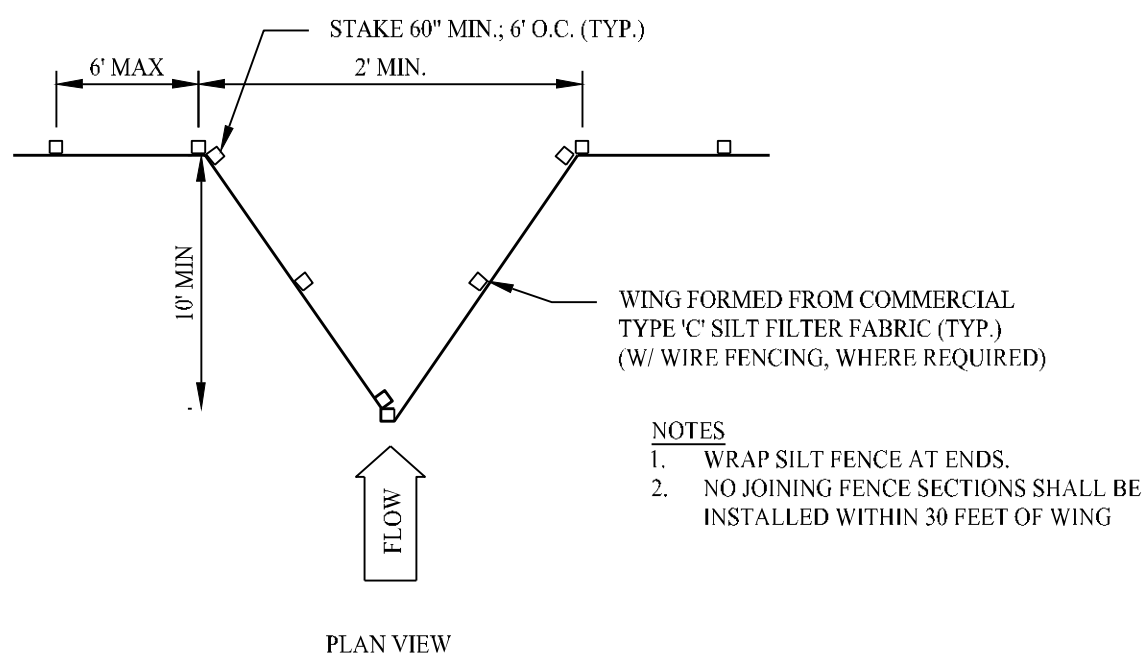
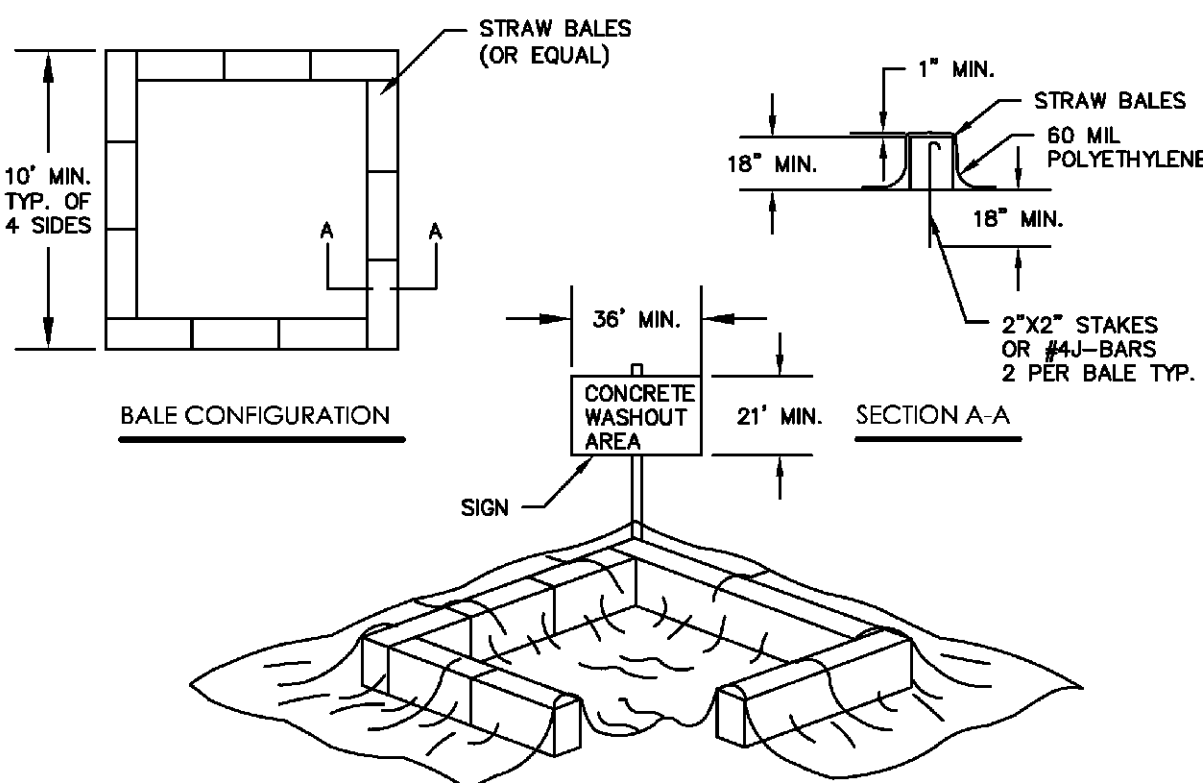
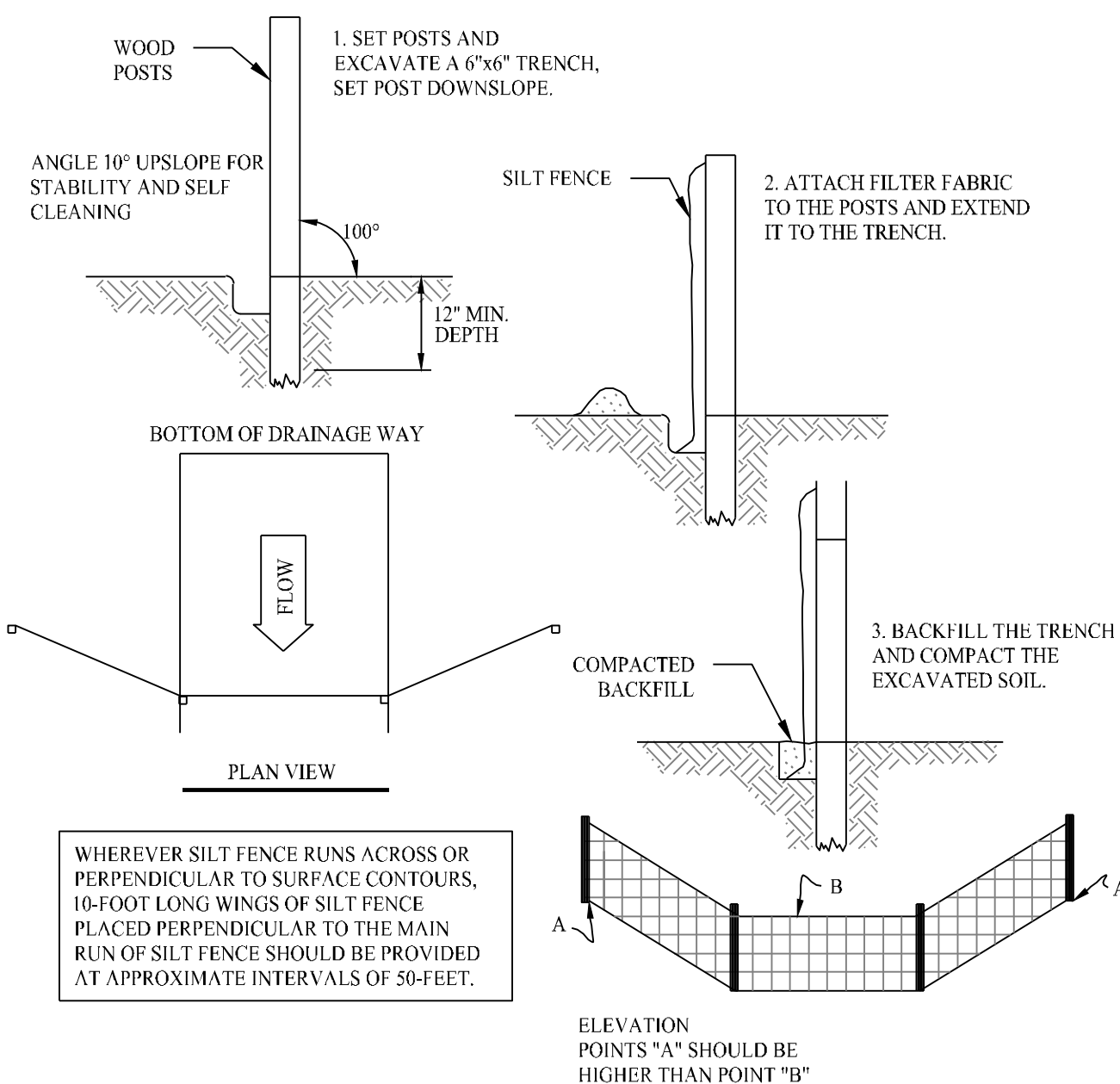
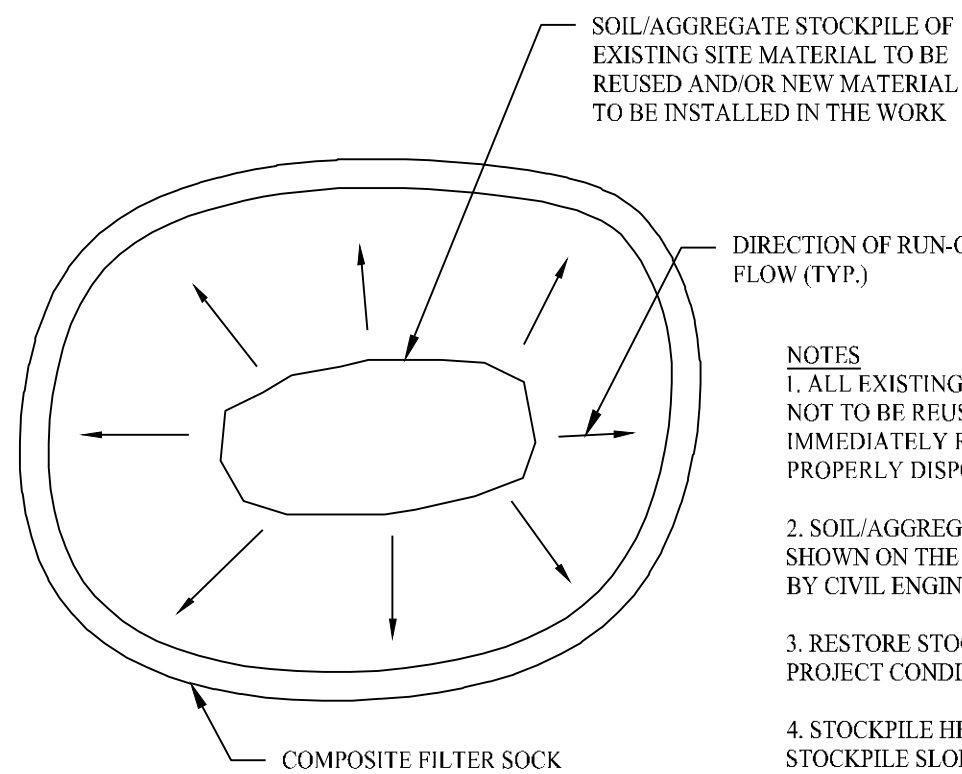
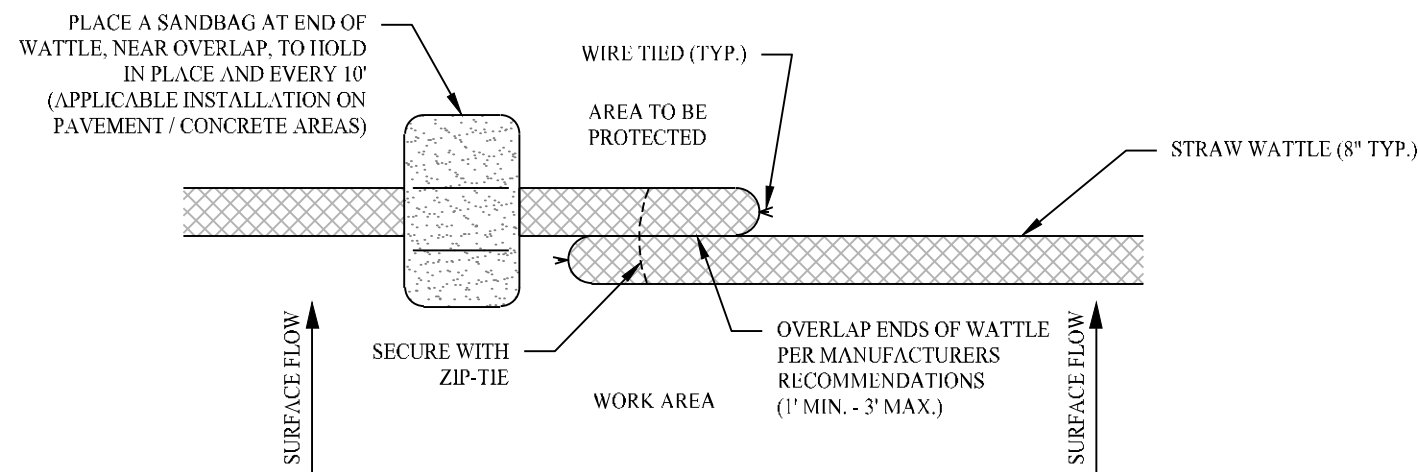


TYPICAL ELECTRICAL TRENCH

SCALE: NTS

1 01/03/25 REVISED DRAINAGE		
Rev. #:	Date	Description
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50 0 50 100		
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Sheet Title: SOIL EROSION & SEDIMENT CONTROL PLAN PHASE II		Sheet #:  2.32.2

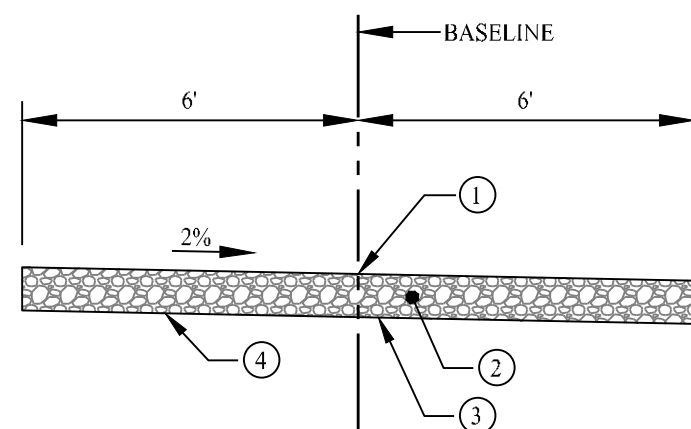




2. FOR THIS PROJECT, THERE ARE APPROXIMATELY 6.8± ACRES OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT & GRAVEL ACCESS DRIVE.
3. THE PROJECT AREA, AS MAPPED IN THE SOIL SURVEY OF STATE 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 SOUTHLINGTON 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. SWPPP, TO BE ISSUED AT A LATER DATE

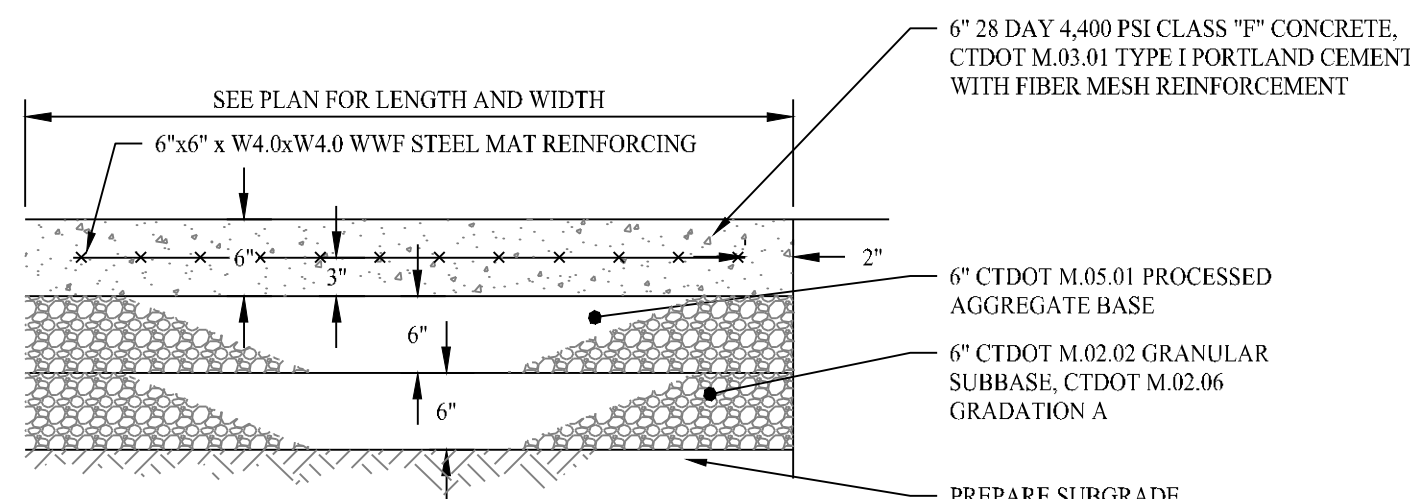


- NOTES:**
1. THE CONTRACTOR SHALL CONTACT CT CALL BEFORE YOU DIG (CBYD) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
  2. TRANSITIONS BETWEEN TYPICAL ACCESS ROAD SECTIONS SHALL OCCUR OVER 50 FEET. (TYPICAL)



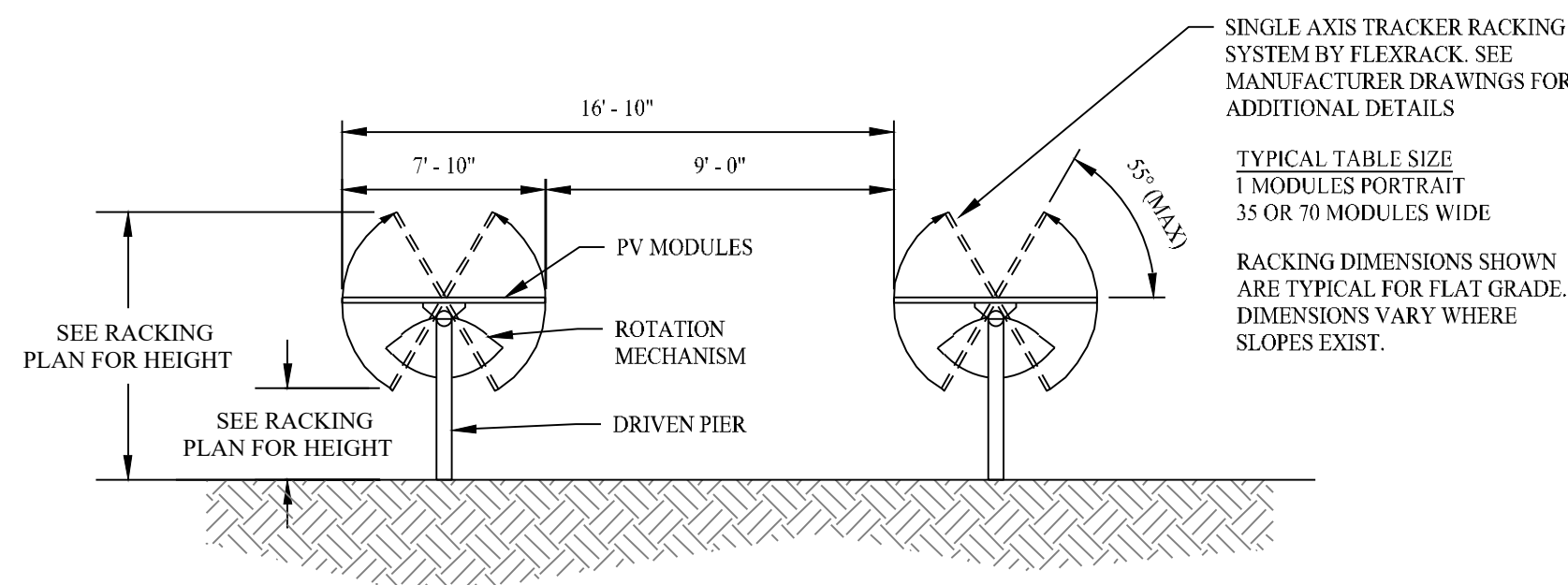
TYPICAL GRAVEL ROADWAY SECTION

SCALE: NTS



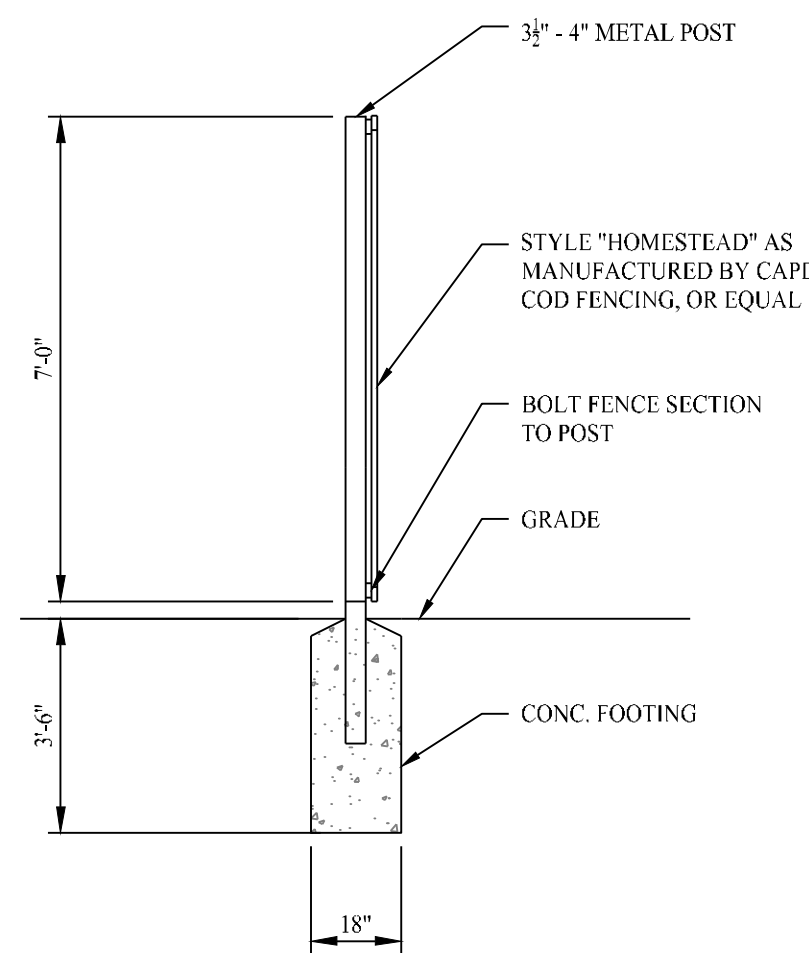
## CONCRETE UTILITY PAD

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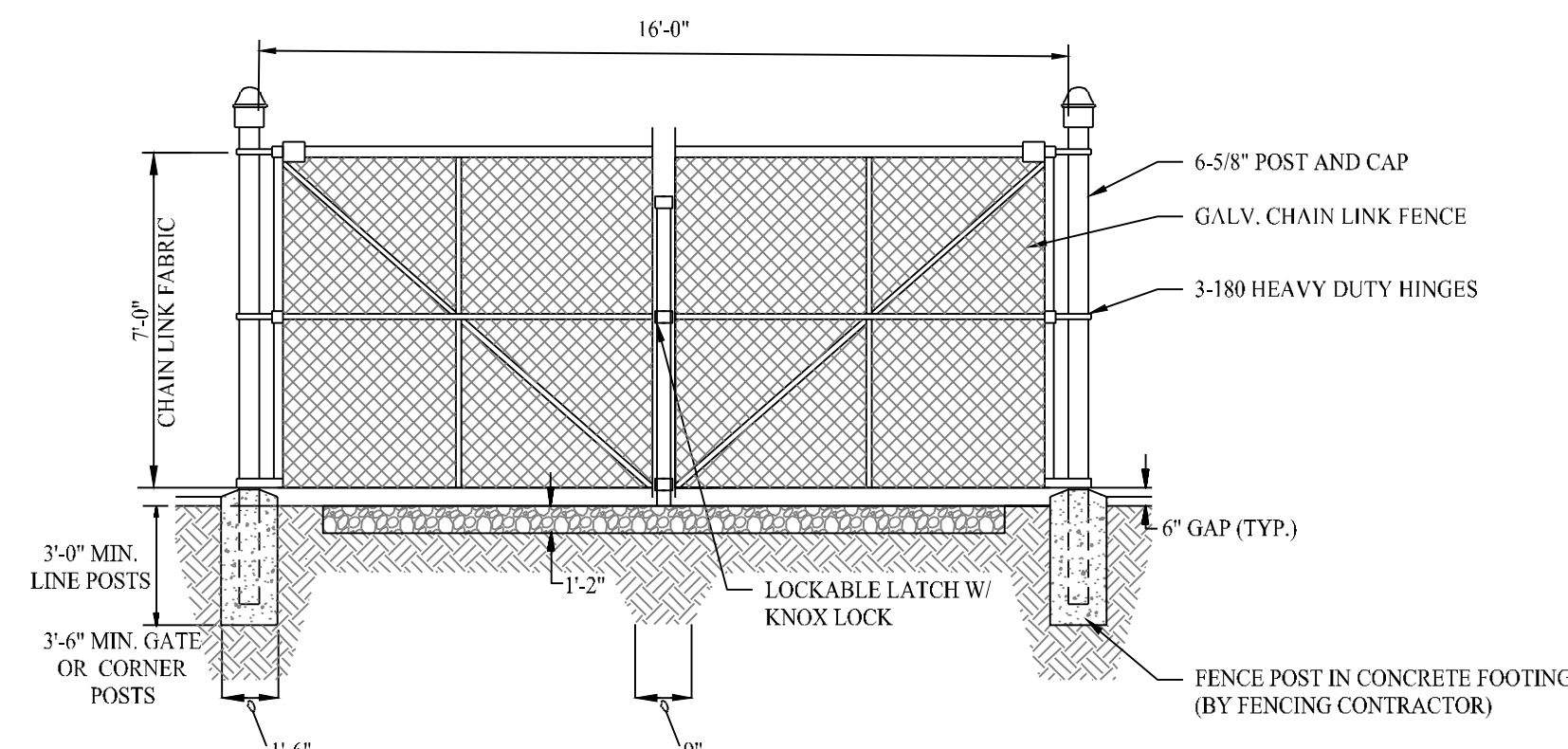
### RACKING DETAIL

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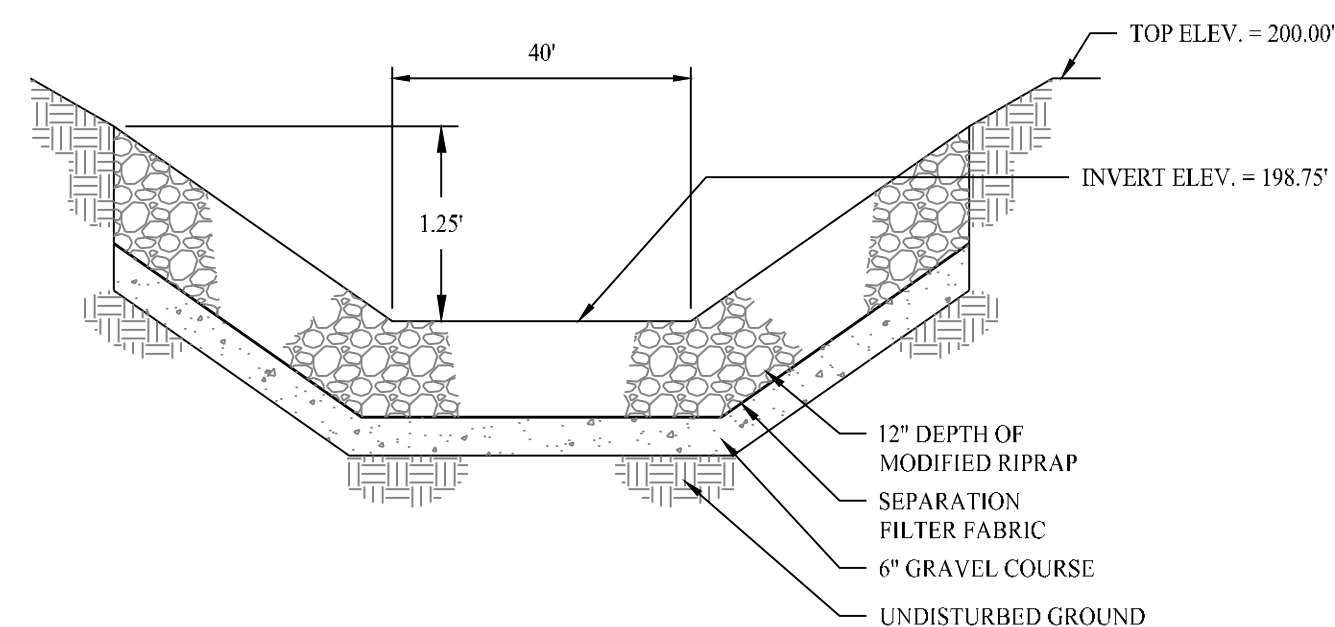
## FENCE POST INSTALLATION

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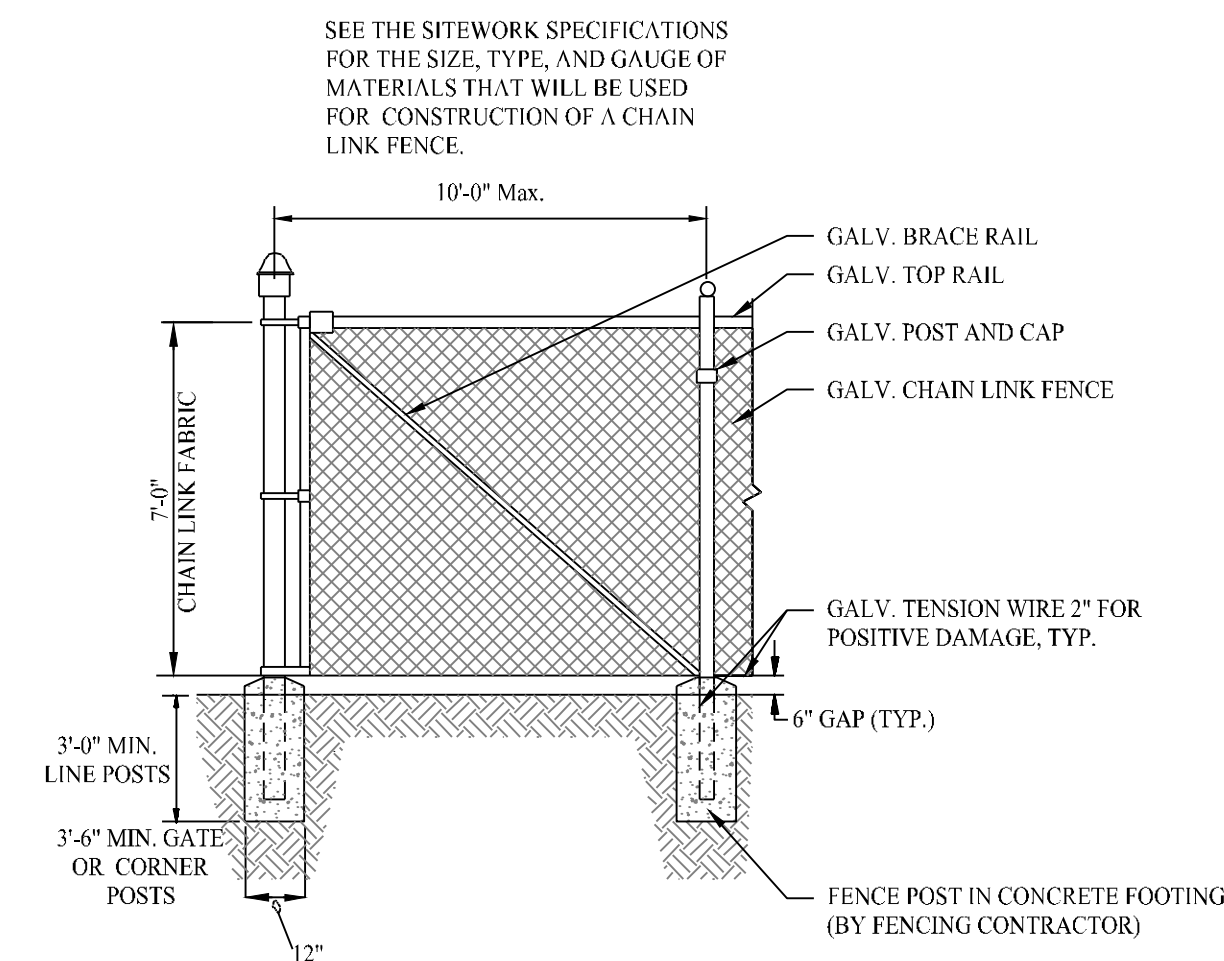
### DOUBLE SWING GATE DETAIL

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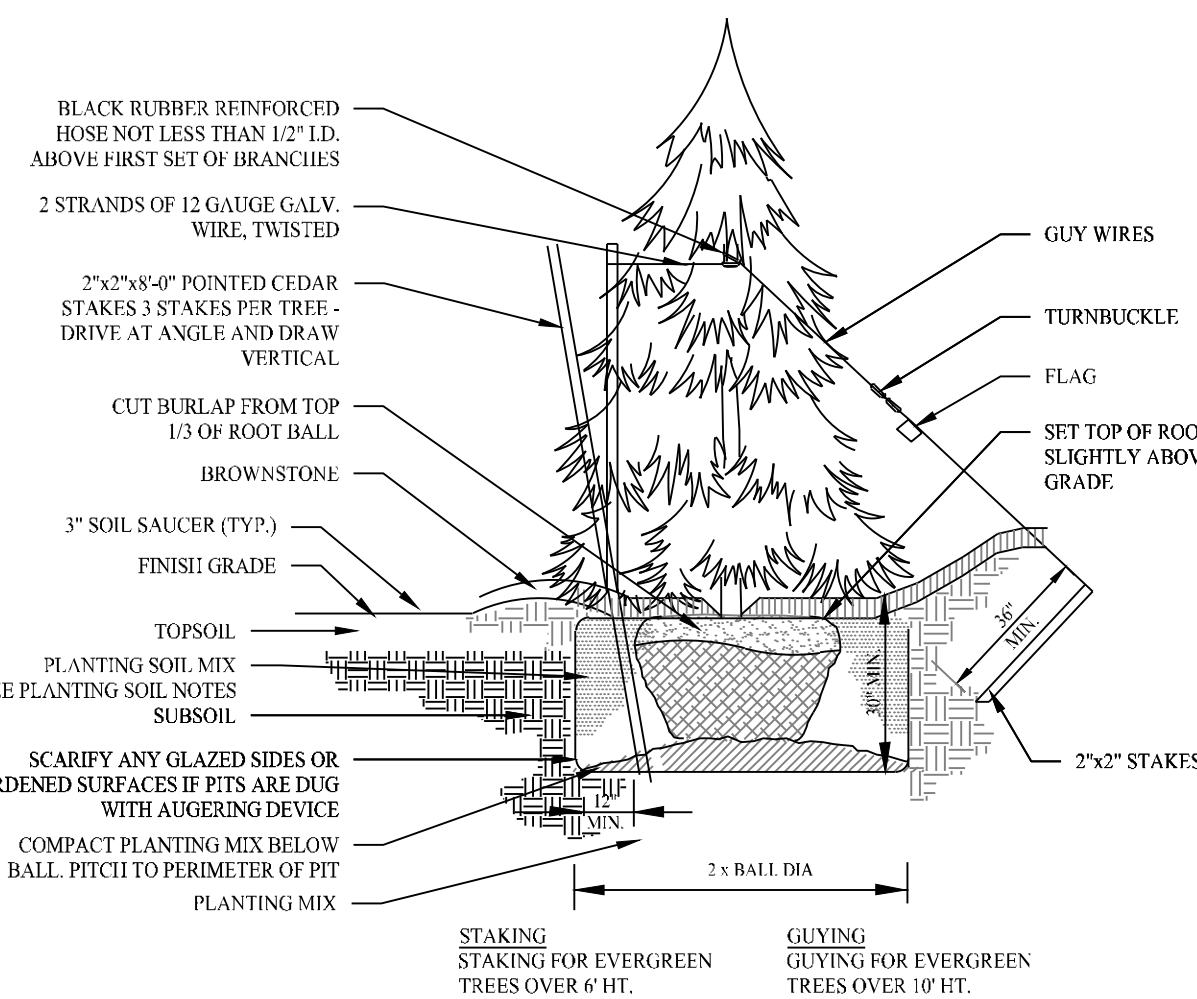
BROADCRESTED WEIR SPILLWAY

SCALE; NTS



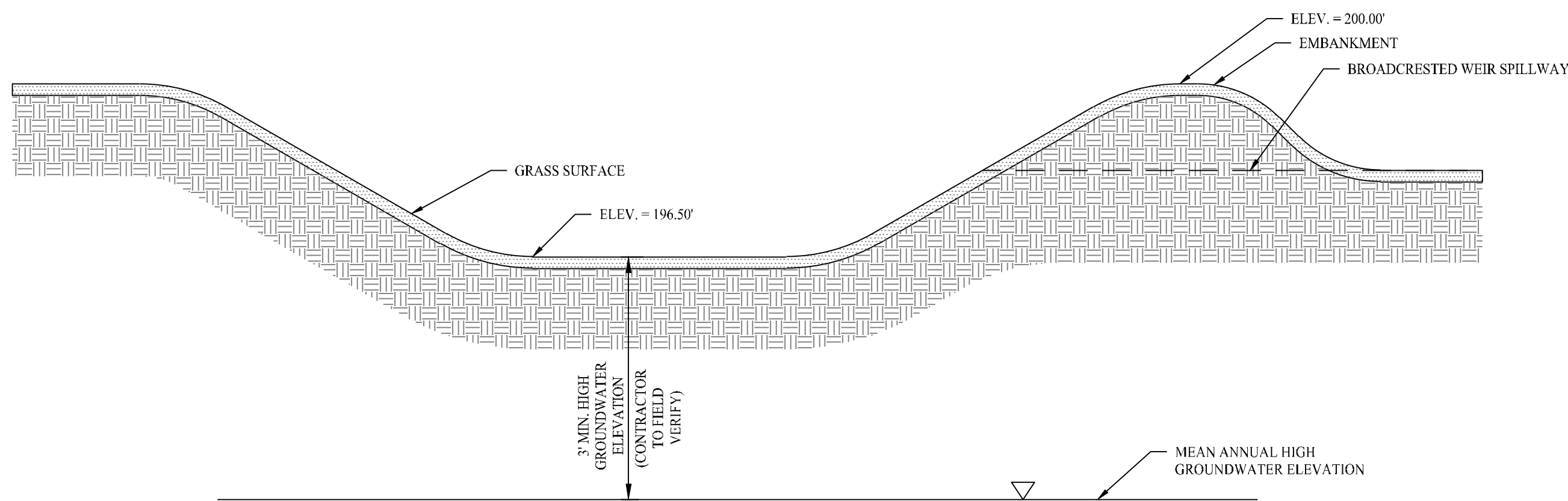
### 7' HIGH CHAIN LINK FENCE DETAIL

SCALE: NTS



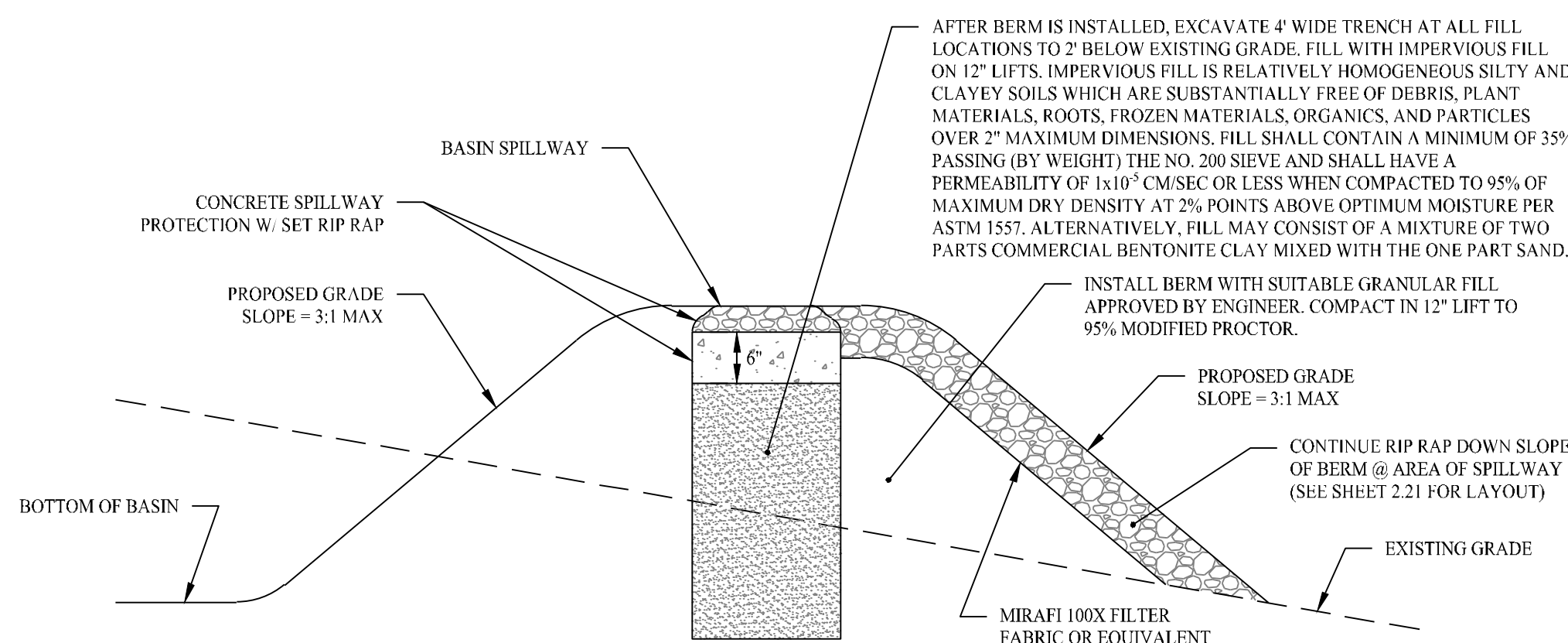
## EVERGREEN TREE PLANTING

SCALE: NTS



### INFILTRATION BASIN CROSS-SECTION

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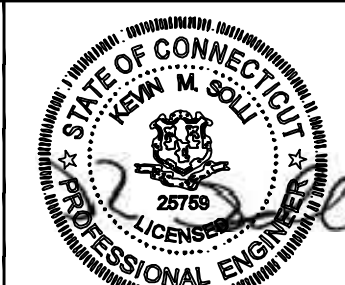
TYPICAL SPILLWAY IN FILL SECTION DETAIL

SCALE: NTS

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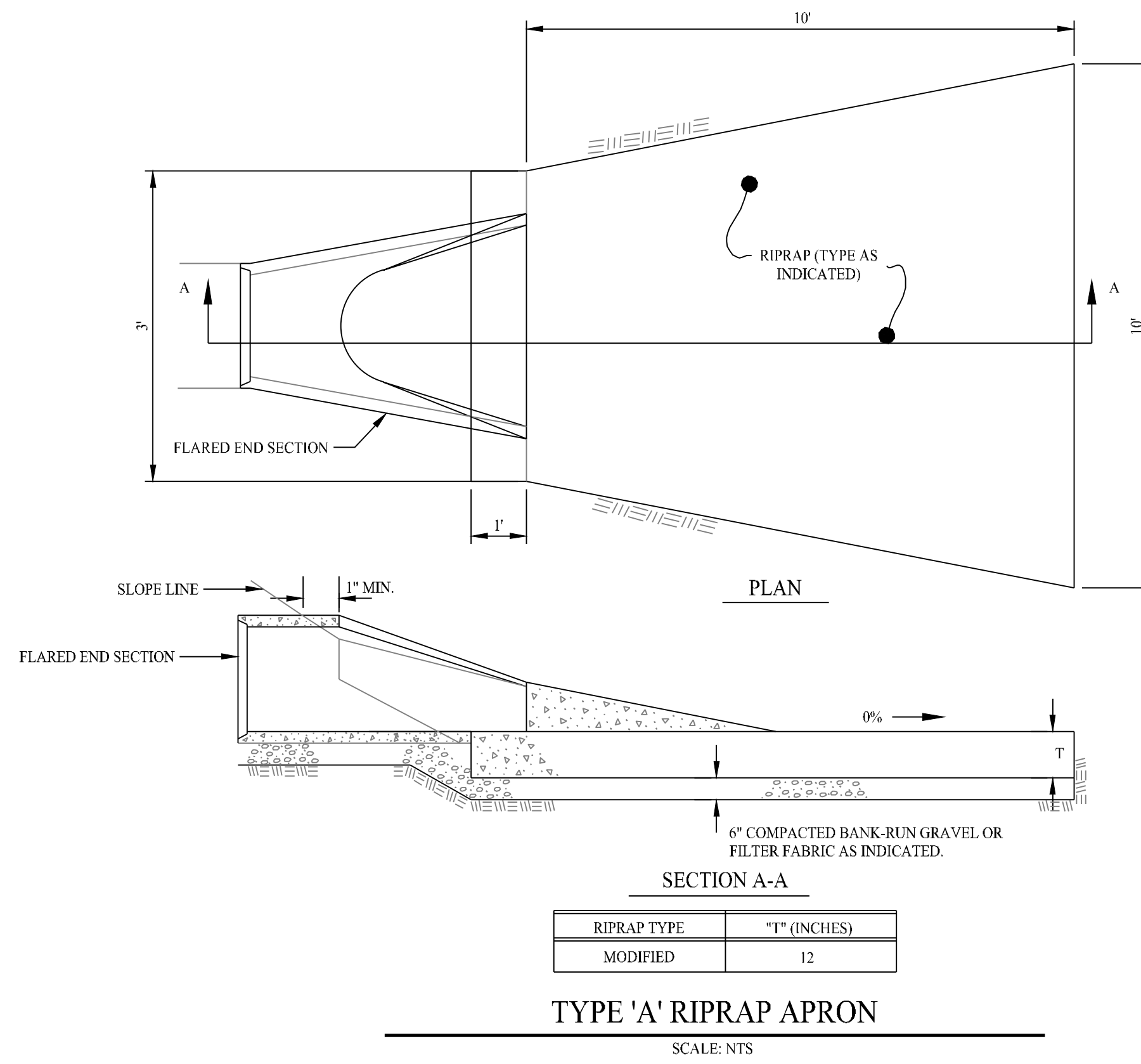


Kevin Solli, P.E.  
CT 25759

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

Sheet Title:	Sheet #:
CONSTRUCTION DETAILS	3.01

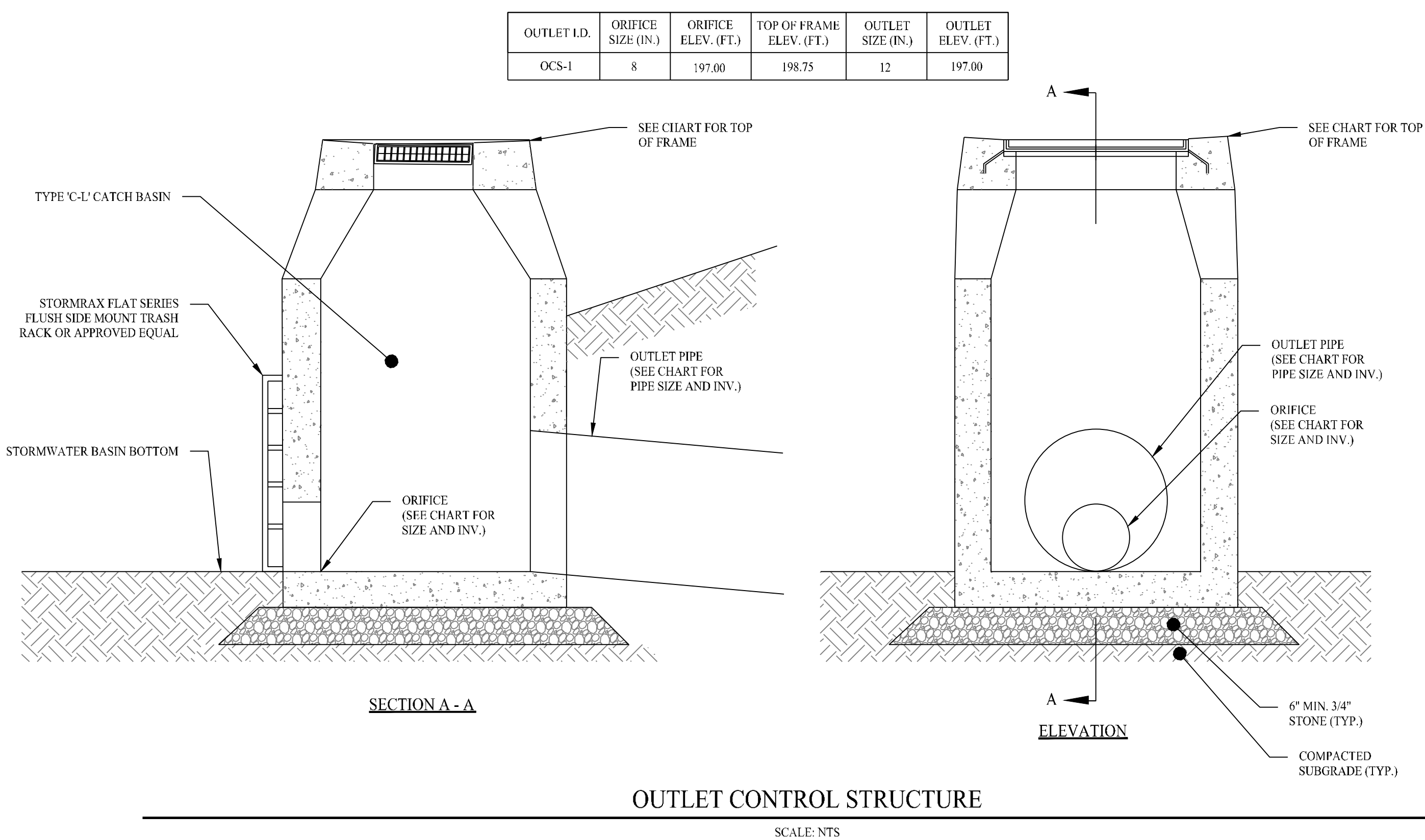


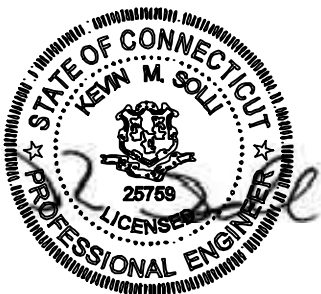


FLARED END SECTION DETAILS

SCALE: NTS

DETAIL PER ADVANCED DRAINAGE SYSTEMS, INC.



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Project:		
SOLAR PHOTOVOLTAIC ARRAY 37 HUNTERS LANE SOUTHINGTON, CONNECTICUT		
Sheet Title:	Sheet #:	
CONSTRUCTION DETAILS		3.02