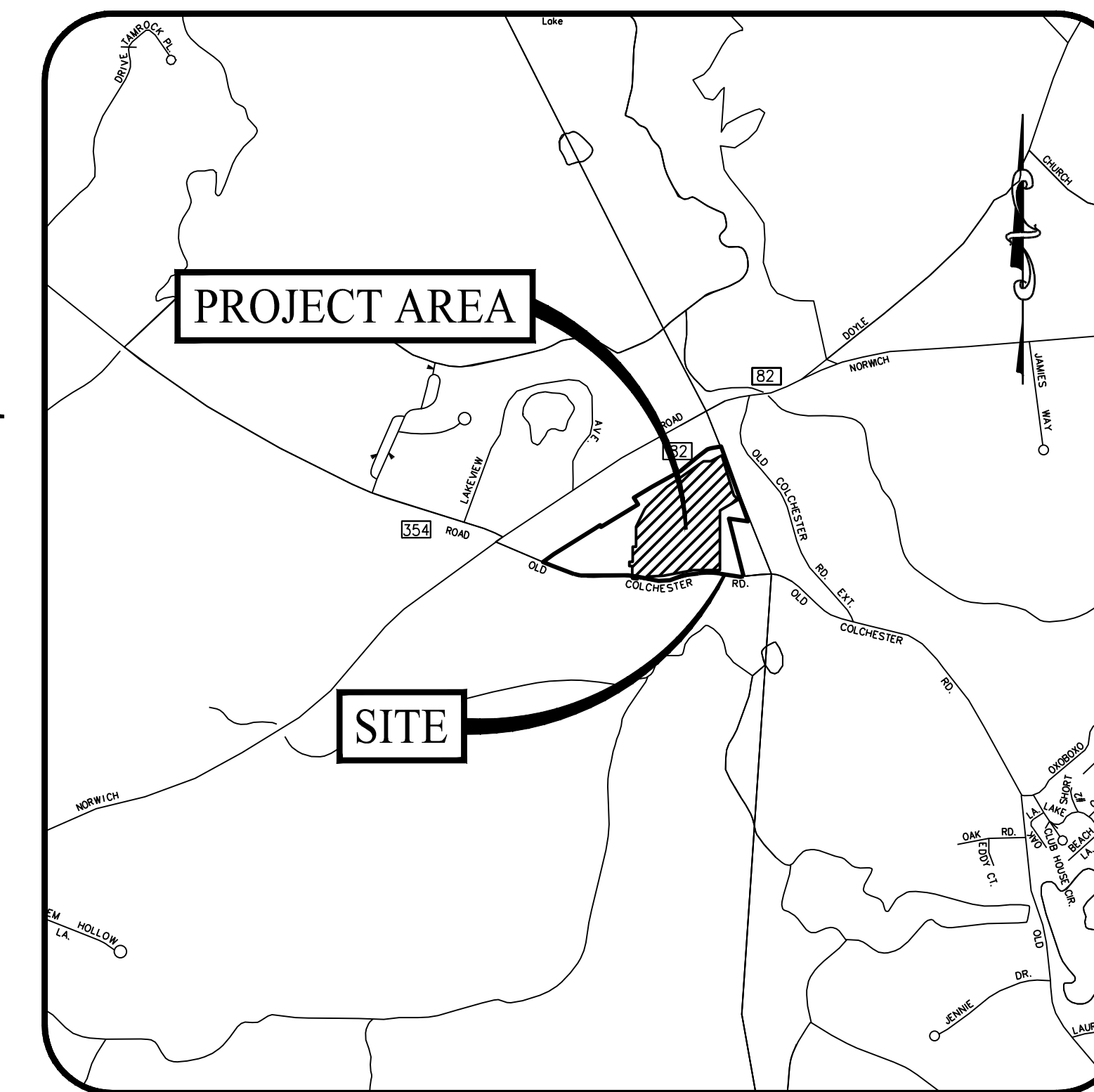


USGS MAP

SCALE: 1" = 1,000'

PROPOSED 1.99 MW SOLAR PHOTOVOLTAIC ARRAY

40 OLD COLCHESTER ROAD
SALEM, CONNECTICUT



LOCATION MAP

SCALE: 1" = 1,000'

PREPARED FOR:

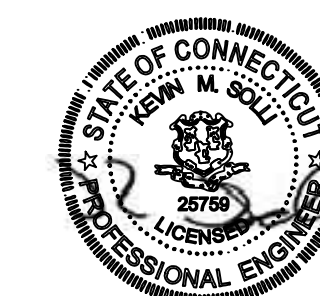


888 PROSPECT STREET, SUITE 200
LA JOLLA, CALIFORNIA

PREPARED BY:



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



OWNER

JOHN S GADBOIS & DARIA-LAUREN GADBOIS
40 OLD COLCHESTER ROAD
SALEM, CT 06420

PETITIONER

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

PROPERTY INFORMATION

ADDRESS: 40 OLD COLCHESTER ROAD
PID: 368
MAP-BLOCK-LOT: 12-009-000
AREA: 418.38 AC
BOOK/PAGE: 0230/0242

SOIL SCIENTIST

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

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

ELECTRICAL ENGINEER

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

SURVEYOR OF RECORD

BRYAN P. NESTERIAK, PE, LS
LICENSE NO. 23556
ACCURATE LAND SURVEYING, LLC
15 RESEARCH DRIVE
WOODBRIIDGE, CONNECTICUT 06525
(203) 881-8145

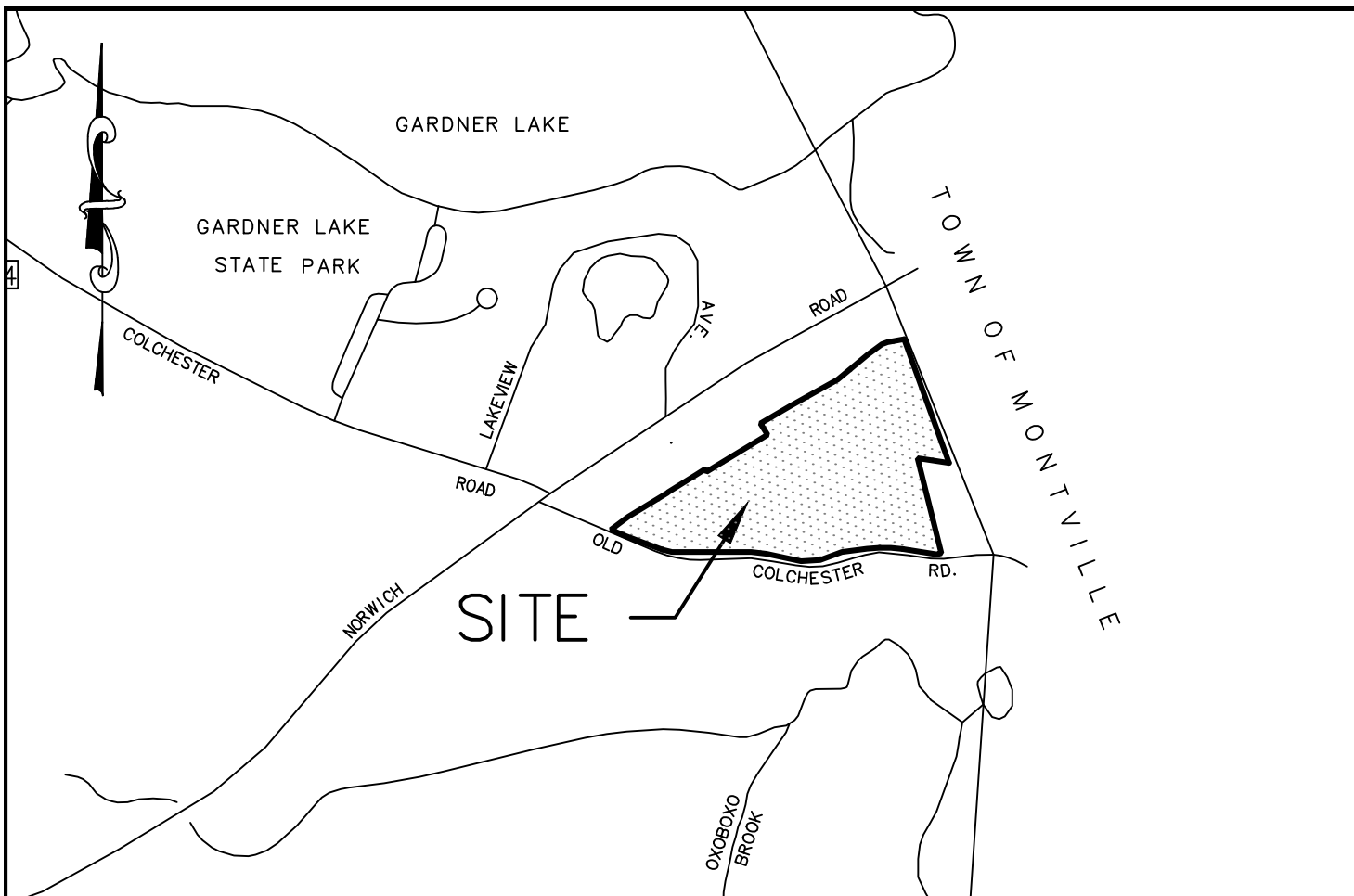
DRAWING LIST

SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION
0.00	COVER SHEET	11/24/25	05/14/26
1 OF 1	ALTA/NSPS LAND TITLE SURVEY	10/18/24	N/A
2.10	OVERALL SITE LAYOUT PLAN	11/24/25	05/14/26
2.11	SITE LAYOUT PLAN	11/24/25	05/14/26
2.21	GRADING AND DRAINAGE PLAN	11/24/25	05/14/26
2.31	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE I	11/24/25	N/A
2.32	SOIL EROSION AND SEDIMENT CONTROL PLAN PHASE II	11/24/25	N/A
2.41	SOIL EROSION AND SEDIMENT CONTROL DETAILS	11/24/25	N/A
3.01	CONSTRUCTION DETAILS	11/24/25	05/14/26
1 of 1	NATIVE POLLINATOR MEADOW PLANTING PLAN	04/14/26	05/11/26

Rev. #:	Date	Description
1	05/14/26	Revised Per CSC Interrogatories

Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
40 OLD COLCHESTER ROAD
SALEM, CONNECTICUT

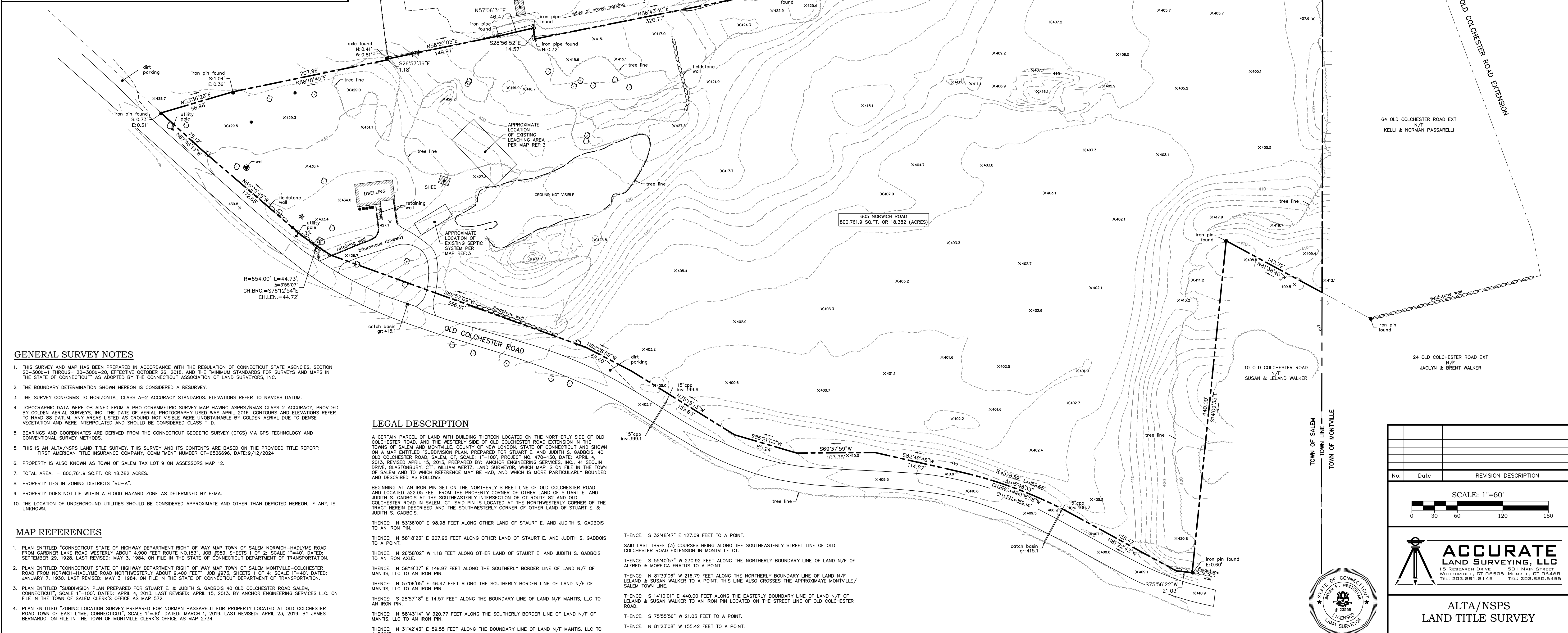
Sheet Title: **COVER SHEET** Sheet #: **0.00**



SCHEDULE B EXCEPTIONS

- (NOT APPLICABLE) ANY DEFECT, LIEN, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT APPEARS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED, ATTACHED, OR IS DISCLOSED BETWEEN THE COMMITMENT DATE AND THE DATE ON WHICH ALL OF THE SCHEDULE B, PART I REQUIREMENTS ARE MET.
- (NOT APPLICABLE) RIGHTS OR CLAIMS OF PARTIES OTHER THAN THE INSURED IN ACTUAL POSSESSION OR UNDER UNRECORDED LEASES OF ANY OR ALL OF THE LAND.
- (NOT APPLICABLE) EASEMENTS OR CLAIMS OF EASEMENTS NOT SHOWN BY THE PUBLIC RECORDS, ENCROACHMENTS, VIOLATIONS, VARIATIONS OR ADVERSE CIRCUMSTANCES AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE SURVEY OF THE LAND.
- (NOT APPLICABLE) ANY LIEN OR RIGHT TO A LIEN, FOR SERVICES, LABOR OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS.
- (NOT APPLICABLE) LIENS FOR TAXES AND ASSESSMENTS WHICH BECOME DUE AND PAYABLE SUBSEQUENT TO DATE OF POLICY.
- (NOT APPLICABLE) SEWER AND WATER USE CHARGES AS MAY BE DUE AND PAYABLE.
- (NOT APPLICABLE) REAL ESTATE TAXES TO THE CITY/TOWNS OF SALEM ON THE LIST OF OCTOBER 1, 2023- SEE ATTACHED PRINTOUT.
- NOTES, CONDITIONS AND INFORMATION AS SHOWN ON MAP SLIDE 3068 AND 4258 OF THE SALEM LAND RECORDS.
- (NOT APPLICABLE) ASSESSORS CERTIFICATE PUBLIC ACT 490 RECORDED IN VOLUME 275, PAGE 576 OF THE SALEM LAND RECORDS.
- (NOT APPLICABLE) MORTGAGE IN THE ORIGINAL PRINCIPAL AMOUNT OF \$109,500.00 FROM JOHN S. GADBOIS, II AND DARIA-LAUREN GADBOIS TO CONNECTICUT STATE EMPLOYEES CREDIT UNION, INC. DATED MAY 8, 2018 AND RECORDED JUNE 6, 2018 IN VOLUME 251, PAGE 665 OF THE SALEM LAND RECORDS.
- (NOT APPLICABLE) MORTGAGE IN THE ORIGINAL PRINCIPAL AMOUNT OF \$40,000.00 FROM JOHN S. GADBOIS, II AND DARIA-LAUREN GADBOIS TO CONNECTICUT STATE EMPLOYEES CREDIT UNION, INC. DATED APRIL 27, 2022 AND RECORDED MAY 5, 2022 IN VOLUME 271, PAGE 434 OF THE SALEM LAND RECORDS.

LOCATION MAP
SCALE: 1"=800'



GENERAL SURVEY NOTES

- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATION OF CONNECTICUT STATE AGENCIES, SECTION 20-300b-1 THROUGH 20-300b-20, EFFECTIVE OCTOBER 26, 2018, AND THE "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
- THE BOUNDARY DETERMINATION SHOWN HEREON IS CONSIDERED A RESURVEY.
- THE SURVEY CONFORMS TO HORIZONTAL CLASS A-2 ACCURACY STANDARDS. ELEVATIONS REFER TO NAVD83 DATUM.
- TOPOGRAPHIC DATA WERE OBTAINED FROM A PHOTOGAMMETRIC SURVEY MAP HAVING ASPRS/ANAS CLASS 2 ACCURACY, PROVIDED BY GOLDEN AERIAL SURVEYS, INC. THE DATE OF AERIAL PHOTOGRAPHY USED WAS APRIL 2016. CONTOURS AND ELEVATIONS REFER TO NAVD 83 DATUM. ANY AREAS LISTED AS GROUND NOT VISIBLE WERE UNOBTAINABLE BY GOLDEN AERIAL DUE TO DENSE VEGETATION AND WERE INTERPOLATED AND SHOULD BE CONSIDERED CLASS 1-H-D.
- BEARINGS AND COORDINATES ARE DERIVED FROM THE CONNECTICUT GEODETIC SURVEY (CTGS) VIA GPS TECHNOLOGY AND CONVENTIONAL SURVEY METHODS.
- THIS IS AN ALTA/NSPS LAND TITLE SURVEY. THIS SURVEY AND ITS CONTENTS ARE BASED ON THE PROVIDED TITLE REPORT: FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER CT-6526696, DATE: 9/12/2024
- PROPERTY IS ALSO KNOWN AS TOWN OF SALEM TAX LOT 9 ON ASSESSORS MAP 12.
- TOTAL AREA = 800,761.9 SQ.FT. OR 18.382 ACRES.
- PROPERTY LIES IN ZONING DISTRICTS "RU-A".
- PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD ZONE AS DETERMINED BY FEMA.
- THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND OTHER THAN DEPICTED HEREON, IF ANY, IS UNKNOWN.

LEGAL DESCRIPTION

A CERTAIN PARCEL OF LAND WITH BUILDING THEREON LOCATED ON THE NORTHERLY SIDE OF OLD COLCHESTER ROAD, AND THE WESTERLY SIDE OF OLD COLCHESTER ROAD EXTENSION IN THE TOWNS OF SALEM AND MONTVILLE COUNTY OF NEW LONDON, STATE OF CONNECTICUT AND SHOWN ON A MAP ENTITLED "SUBDIVISION PLAN, PREPARED FOR STUART E. AND JUDITH S. GADBOIS, 40 OLD COLCHESTER ROAD, SALEM, CT. SCALE: 1"=100'. PROJECT NO. 470-13. DATE: APRIL 4, 2013. REVISED APRIL 15, 2013. PREPARED BY: ANCHOR ENGINEERING SERVICES, INC. 41 SECOUR DRIVE, GASTONBURGH, VA. LAND SURVEYOR, WHICH MAP IS ON FILE IN THE TOWN OF SALEM AND TO WHICH REFERENCE MAY BE HAD, AND WHICH IS MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT AN IRON PIN SET ON THE NORTHERLY STREET LINE OF OLD COLCHESTER ROAD AND LOCATED 322.05 FEET FROM THE PROPERTY CORNER OF OTHER LAND OF STUART E. AND JUDITH S. GADBOIS AT THE SOUTHEASTERLY INTERSECTION OF CT ROUTE 82 AND OLD COLCHESTER ROAD IN SALEM, CT. SAID PIN IS LOCATED AT THE NORTHWESTERLY CORNER OF THE TRACT HEREIN DESCRIBED AND THE SOUTHWESTERLY CORNER OF OTHER LAND OF STUART E. AND JUDITH S. GADBOIS.

THENCE: N 53°36'00" E 98.98 FEET ALONG OTHER LAND OF STUART E. AND JUDITH S. GADBOIS TO AN IRON PIN.

THENCE: N 58°18'23" E 207.96 FEET ALONG OTHER LAND OF STUART E. AND JUDITH S. GADBOIS TO A POINT.

THENCE: N 26°58'02" W 1.18 FEET ALONG OTHER LAND OF STUART E. AND JUDITH S. GADBOIS TO AN IRON AXLE.

THENCE: N 58°19'37" E 149.97 FEET ALONG THE SOUTHERLY BORDER LINE OF LAND N/F OF MANTIS, LLC TO AN IRON PIN.

THENCE: N 57°06'05" E 46.47 FEET ALONG THE SOUTHERLY BORDER LINE OF LAND N/F OF MANTIS, LLC TO AN IRON PIN.

THENCE: S 28°57'18" E 14.57 FEET ALONG THE BOUNDARY LINE OF LAND N/F MANTIS, LLC TO AN IRON PIN.

THENCE: N 58°45'14" W 320.77 FEET ALONG THE SOUTHERLY BORDER LINE OF LAND N/F OF MANTIS, LLC TO AN IRON PIN.

THENCE: N 31°42'43" E 59.55 FEET ALONG THE BOUNDARY LINE OF LAND N/F MANTIS, LLC TO A POINT.

THENCE: N 59°20'53" E 153.93 FEET ALONG THE SOUTHERLY BOUNDARY LINE OF LAND N/F OF BILL J. & HOLLI K. KITTELEMAN.

THENCE: N 60°54'03" E 244.90 FEET ALONG THE SOUTHERLY BOUNDARY LINE OF LAND N/F OF BILL J. & HOLLI K. KITTELEMAN AND LAND N/F OF EDMUND & VALERIE JAKUBOWSKI TO A POINT.

THENCE: N 50°19'04" E 173.24 FEET ALONG THE SOUTHERLY BOUNDARY LINE OF LAND N/F OF EDMUND & VALERIE JAKUBOWSKI AND LAND N/F OF ELAINE L. LYDEN-SHAUNCEY & EDWARD SHAUNCEY TO A POINT.

THENCE: N 70°17'16" E 27.18 FEET ALONG THE SOUTHERLY BORDER LINE OF LAND N/F OF ELAINE L. LYDEN-SHAUNCEY & EDWARD SHAUNCEY TO A POINT.

THENCE: N 79°19'13" E 116.49 FEET ALONG THE SOUTHERLY BOUNDARY LINE OF LAND N/F OF ELAINE L. LYDEN-SHAUNCEY & EDWARD SHAUNCEY AND LAND N/F OF THE SCANLON-JONSON FAMILY TRUST TO A POINT. THIS LINE ALSO CROSSES THE APPROXIMATE SALEM/MONTVILLE TOWN LINE.

THENCE: N 84°37'39" E 91.15 FEET ALONG THE SOUTHERLY BORDER LINE OF LAND N/F OF THE SCANLON-JONSON FAMILY TRUST TO A POINT.

THENCE: S 13°37'22" E 59.71 FEET TO A POINT.

THENCE: S 41°03'40" E 381.47 FEET TO A POINT.

THENCE: S 32°48'47" E 127.09 FEET TO A POINT.

SAID LAST THREE (3) COURSES BEING ALONG THE SOUTHEASTERLY STREET LINE OF OLD COLCHESTER ROAD EXTENSION IN MONTVILLE, CT.

THENCE: S 55°40'57" W 230.92 FEET ALONG THE NORTHERLY BOUNDARY LINE OF LAND N/F OF ALFRED & MOREICA FRATUS TO A POINT.

THENCE: N 81°39'06" W 216.79 FEET ALONG THE NORTHERLY BOUNDARY LINE OF LAND N/F LELAND & SUSAN WALKER TO A POINT. THIS LINE ALSO CROSSES THE APPROXIMATE MONTVILLE/SALEM TOWN LINE.

THENCE: S 14°10'41" E 440.00 FEET ALONG THE EASTERLY BOUNDARY LINE OF LAND N/F OF LELAND & SUSAN WALKER TO AN IRON PIN LOCATED ON THE STREET LINE OF OLD COLCHESTER ROAD.

THENCE: S 75°55'56" W 21.03 FEET TO A POINT.

THENCE: N 81°23'08" W 155.42 FEET TO A POINT.

THENCE: IN A WESTERLY DIRECTION, BY THE ARC OF A CURVE TO THE LEFT, HAVING A CHORD BEARING OF N 89°17'24" W, CHORD LENGTH OF 159.14 FEET, A RADIUS OF 578.59 FEET, AND AN ARC LENGTH OF 159.64 FEET, TO A POINT.

THENCE: S 82°48'20" W 114.87 FEET TO A POINT.

THENCE: S 69°37'33" W 103.35 FEET TO A POINT.

THENCE: S 86°20'34" W 85.24 FEET TO A POINT.

THENCE: N 78°15'39" W 159.63 FEET TO A POINT.

THENCE: N 82°29'25" W 68.60 FEET TO A POINT.

THENCE: S 89°51'43" W 356.91 FEET TO A POINT.

THENCE: IN A NORTHWESTERLY DIRECTION, BY THE ARC CURVE TO THE RIGHT, HAVING A CHORD BEARING OF N 79°19'13" W, CHORD LENGTH OF 44.72, A RADIUS OF 654.00 FEET, AND AN ARC LENGTH OF 44.73 FEET, TO A POINT.

THENCE: N 69°26'11" W 172.65 FEET TO A POINT.

THENCE: N 67°45'45" W 75.12 FEET TO AN IRON PIN AT THE POINT AND PLACE OF BEGINNING.

SAID LAST TWELVE (12) COURSES BEING ALONG THE NORTHERLY STREET LINE OF OLD COLCHESTER ROAD.

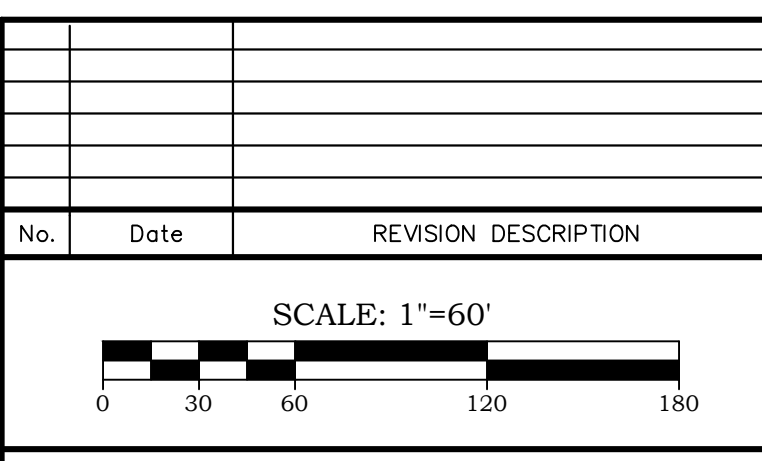
THE HEREIN DESCRIBED TRACT CONTAINS APPROXIMATELY 21.13 ACRES.

MAP REFERENCES

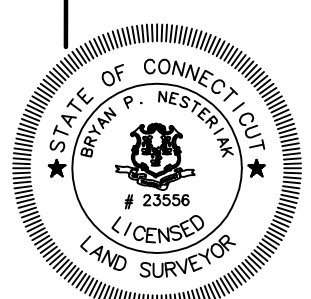
- PLAN ENTITLED "CONNECTICUT STATE OF HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF SALEM NORWICH-HADLYME ROAD FROM GARDNER LAKE ROAD WESTERLY ABOUT 4300 FEET ROUTE, NO.153", JOB #959, SHEETS 1 OF 2. SCALE 1"=40'. DATED: SEPTEMBER 29, 1928. LAST REVISED: MAY 3, 1984. ON FILE IN THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION.
- PLAN ENTITLED "CONNECTICUT STATE OF HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF SALEM MONTVILLE-COLCHESTER ROAD FROM NORWICH-HADLYME ROAD NORTHWESTERLY ABOUT 9,400 FEET", JOB #973, SHEETS 1 OF 4. SCALE 1"=40'. DATED: JANUARY 7, 1930. LAST REVISED: MAY 3, 1984. ON FILE IN THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION.
- PLAN ENTITLED "SUBDIVISION PLAN PREPARED FOR STUART E. & JUDITH S. GADBOIS 40 OLD COLCHESTER ROAD, SALEM, CONNECTICUT", SCALE 1"=30', DATED: APRIL 4, 2013. LAST REVISED: APRIL 15, 2013. BY ANCHOR ENGINEERING SERVICES LLC. ON FILE IN THE TOWN OF SALEM CLERK'S OFFICE AS MAP 572.
- PLAN ENTITLED "ZONING LOCATION SURVEY PREPARED FOR NORMAN PASSARELLI FOR PROPERTY LOCATED AT OLD COLCHESTER ROAD TOWN OF EAST LYME, CONNECTICUT", SCALE 1"=30', DATED: MARCH 1, 2019. LAST REVISED: APRIL 23, 2019. BY JAMES BERNARDO. ON FILE IN THE TOWN OF MONTVILLE CLERK'S OFFICE AS MAP 2734.

LEGEND

<ul style="list-style-type: none"> C.H.D. Monument Mon. Monument Iron Pin to be Set Conc. Monument to be Set Iron Pipe Iron Pin D.H. Drill Hole Pile of Stones Light Post Fnd. Found N/F New or Formerly Property Line Property Line (adjoining) Building Setback Line Easement Line Edge of water FEMA Flood Zone Base Flood Elevation Existing Spot Elevation 	<ul style="list-style-type: none"> Gas gate valve Water gate valve Water meter Hydrant Water main (existing) Water service lateral Gas Main (existing) Sanitary Sewer Main (existing) Electrical Line (existing) Sanitary Manhole Drain Manhole Chop Link or Split Rail Fence Retaining Wall Stone Wall Wooden or Vinyl Fence Utility Pole Invert Elevation of Pipe Existing Catch Basin/Pipe Building (existing) 	<ul style="list-style-type: none"> Evergreen Tree Deciduous Tree Swamp or Wetlands Tree Line Watercourse Existing Contours 123 Reinforced Concrete Pipe C.M.P. Corrugated Metal Pipe O.P.T.A. Percolation Test Location TP 100 Deep Test Pit Location Stone Retaining Wall Retaining Wall Wetland S setback Wetland Flag Number Wetland S setback Benchmark Well (Existing) Fence Post
--	--	--



ACCURATE LAND SURVEYING, LLC
125 REVEREND DRIVE 501 MAIN STREET
WOODBRIDGE, CT 06525 MONROE, CT 06468
TEL: 203.881.8145 TEL: 203.880.9459



ALTA/NSPS LAND TITLE SURVEY
OF
40 OLD COLCHESTER ROAD
SALEM, CONNECTICUT

PREPARED FOR
TRITEC AMERICAS, LLC

THIS DOCUMENT, THE IDEAS, AND DESIGN INCORPORATED HEREON IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND THE PROPERTY OF ACCURATE LAND SURVEYING, LLC. AND IS NOT TO BE REPRODUCED OR USED IN WHOLE OR IN PART FOR ANY EXTENSION OF THIS PROJECT OR FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF ACCURATE LAND SURVEYING, LLC. THIS DRAWING IS NOT A FINAL AND VALID DOCUMENT WITHOUT A SIGNATURE OF THE CERTIFYING PROFESSIONAL AND A LIVE WET STAMP OR EMBOSSED SEAL.

Date 10/18/2024
Scale 1"=60'
Job No. 1455
Drawing No. 1 of 1

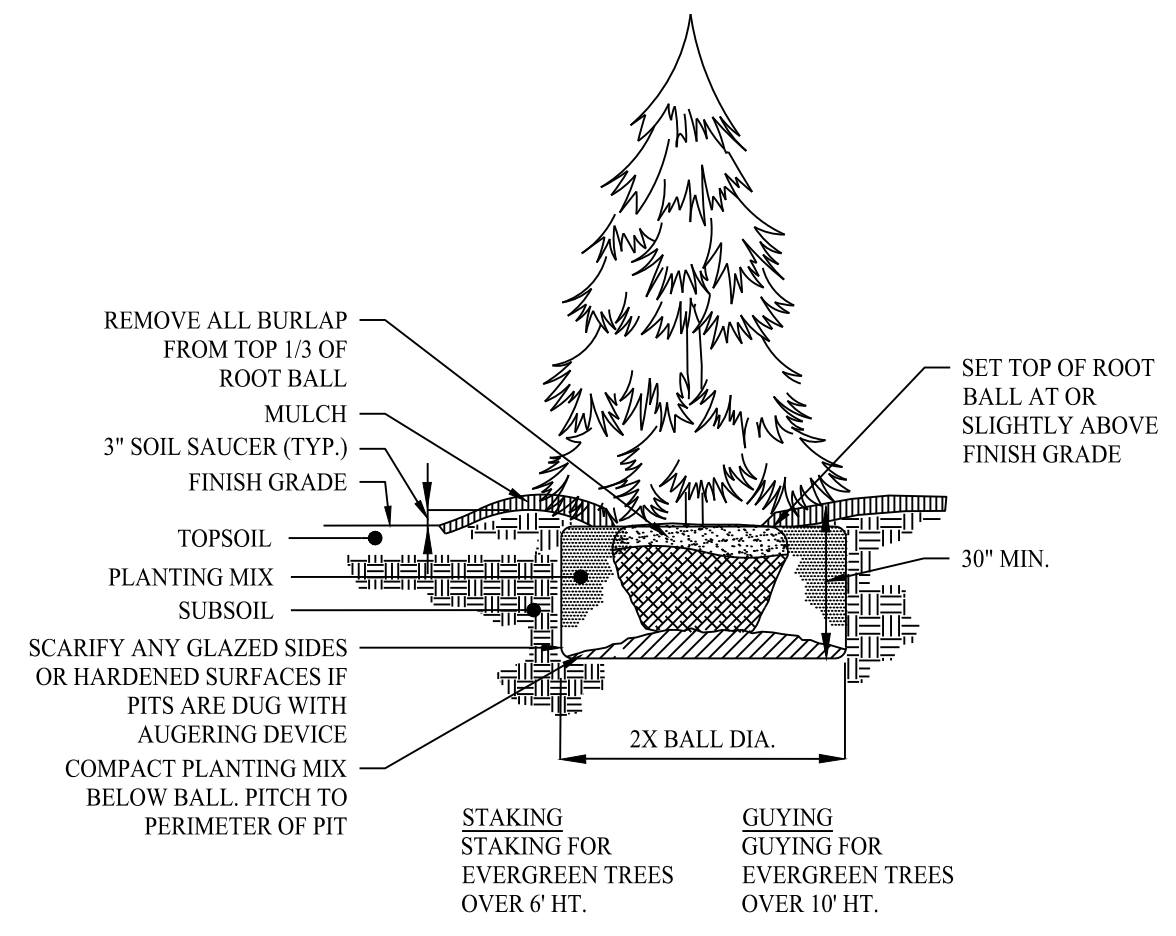
SURVEYOR'S CERTIFICATION
TO:
- Tritec Americas, LLC
- First American Title Insurance Company
- Michael Low Group, LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 7, 6, 8, 13, 18 AND 19 TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 10/17/2024.

DATE OF MAP: 10/18/2024

BRYAN P. NESTERIAK, PE, LS 23556

ALTA/NSPS LAND TITLE SURVEY, 40 OLD COLCHESTER, SALEM, CT.



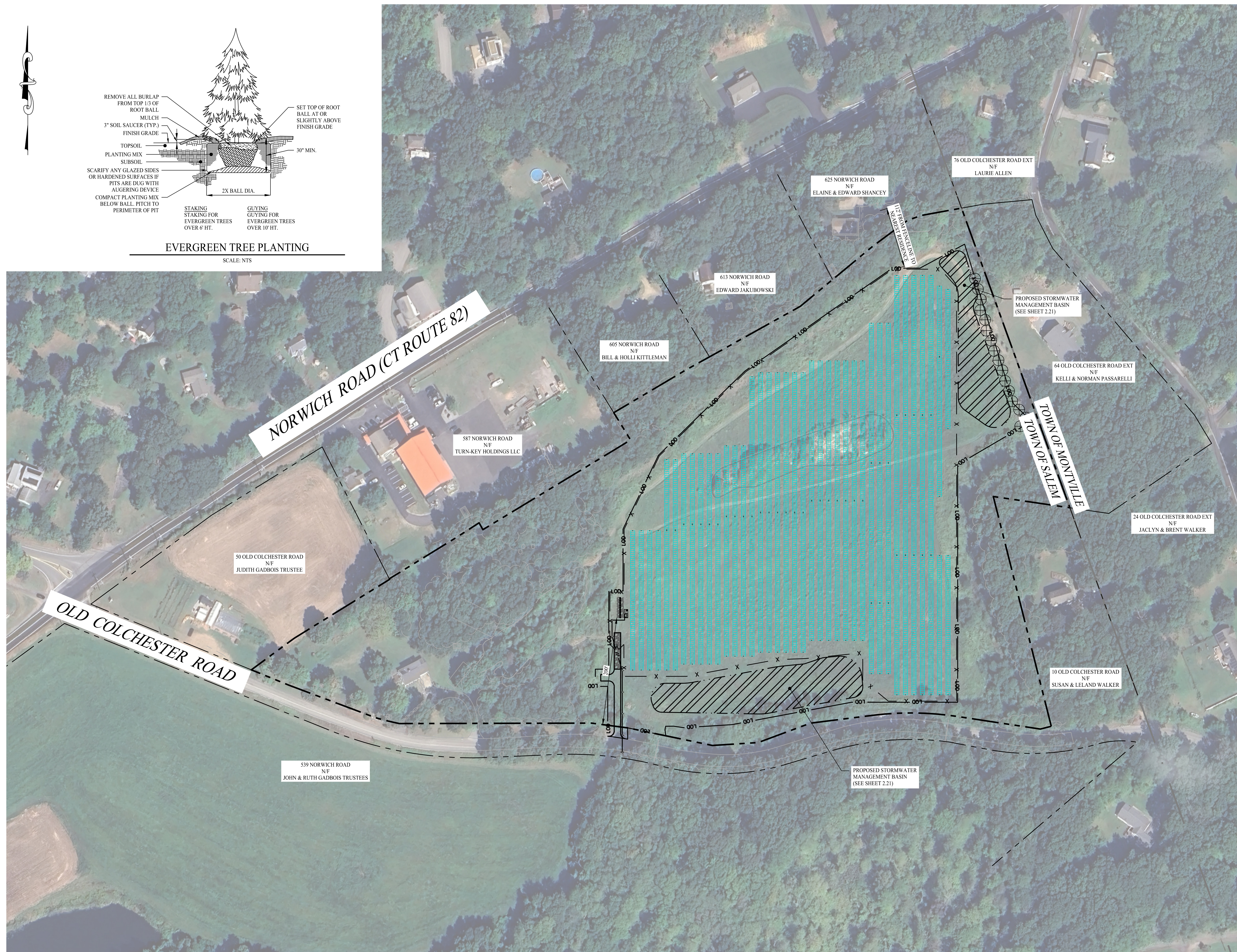
EVERGREEN TREE PLANTING
SCALE: NTS

LEGEND

	PROPERTY LINE
	TOWN LINE
	ADJOINING LOT LINE
	CHAIN LINK FENCE
	TRINA S40W MODULES
	STORMWATER MANAGEMENT BASIN

SOLAR ARRAY SYSTEM INFORMATION

	TRACKING PANELS
SIZE DC	2,797 MW
SIZE AC	1,999 MW
INVERTER LOAD RATIO	1.40
MODULE TYPE	TRINASOLAR TSM-540-DEG19C.20 (S40W)
MODULE QUANTITY	5,180
INVERTER	SUNGROW SG125HV 125KW
INVERTER QUANTITY	16
UTILITY	EVERSOURCE
SITE AREA	18.38 AC
PROJECT AREA	10.43 AC



Rev. #:	Date	Description
1	05/14/26	Revised Per CSC Interrogatories



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

Drawn By:	ADH
Checked By:	EEL
Approved By:	KMS
Project #:	24112901
Plan Date:	02/20/26
Scale:	1" = 80'



PROPOSED SOLAR PHOTOVOLTAIC ARRAY
40 OLD COLCHESTER ROAD
SALEM, CONNECTICUT

Sheet Title:	Sheet #:
OVERALL SITE LAYOUT PLAN	2.10

May 14, 2026 - 9:17am Anthony
X:\SE Files\Project Data\2024\24112901 - 40 Old Colchester Road - Salem, CT\Engineering Data\CAD Files\24112901-2.10.dwg

GENERAL NOTES

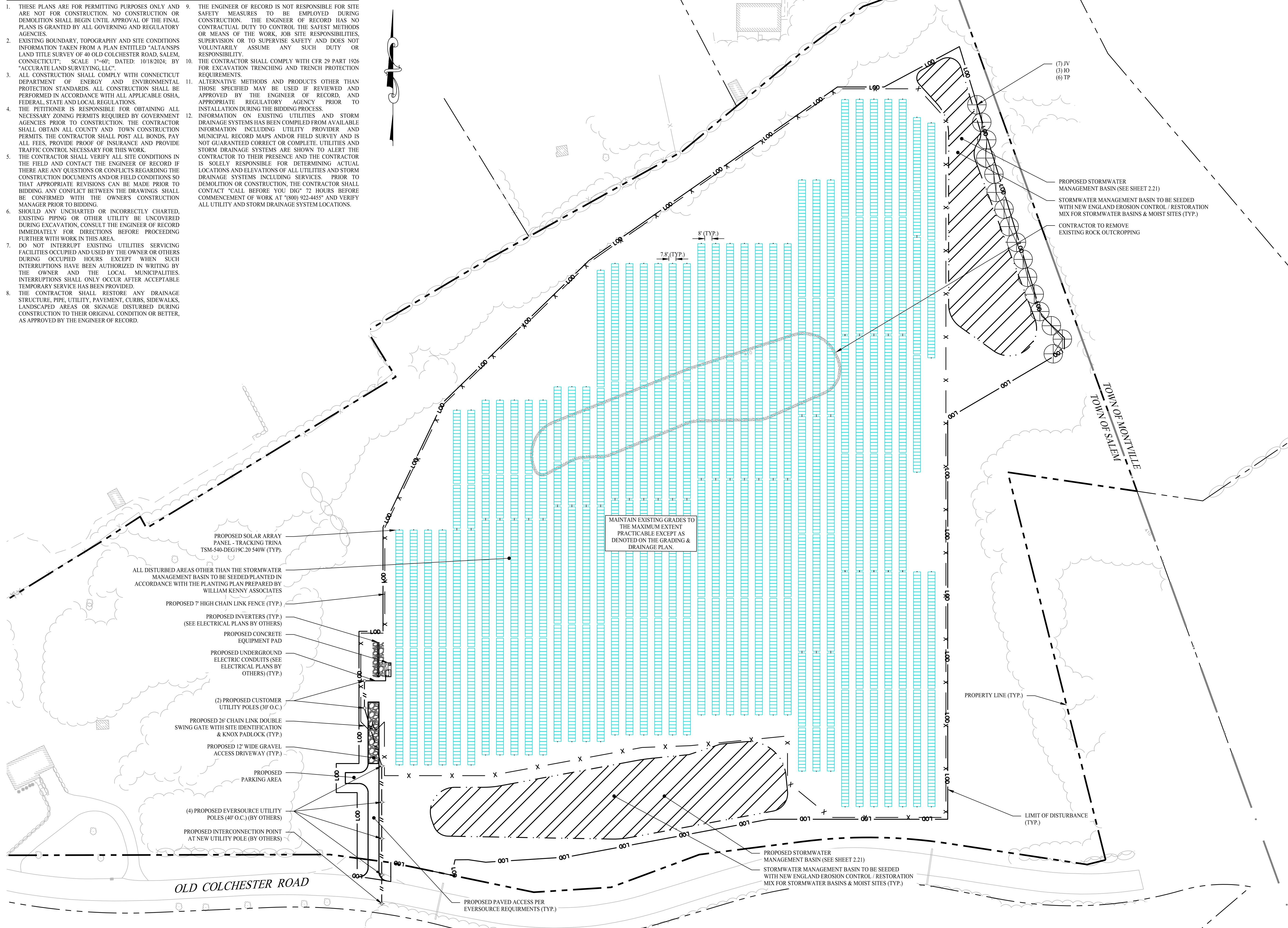
1. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
2. EXISTING BOUNDARY, TOPOGRAPHY AND SITE CONDITIONS INFORMATION TAKEN FROM A PLAN ENTITLED "ALTA/NSPS LAND TITLE SURVEY OF 40 OLD COLCHESTER ROAD, SALEM, CONNECTICUT", SCALE 1"=40', DATED: 10/18/2024, BY "ACCURATE LAND SURVEYING, LLC".
3. ALL CONSTRUCTION SHALL COMPLY WITH CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION STANDARDS. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
4. THE PETITIONER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL COUNTY AND TOWN CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
5. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE ENGINEER OF RECORD IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. ANY CONFLICT BETWEEN THE DRAWINGS SHALL BE CONFIRMED WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO BIDDING.
6. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE ENGINEER OF RECORD IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
7. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
8. THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE ENGINEER OF RECORD.
9. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ENGINEER OF RECORD HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
10. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
11. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE ENGINEER OF RECORD, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS.
12. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT 1800 922-4455 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.

LEGEND

- PROPERTY LINE
- - - TOWN LINE
- - - ADJOINING LOT LINE
- [Pattern] CONCRETE EQUIPMENT PAD
- X - X CHAIN LINK FENCE
- [Pattern] TRINA 540W MODULES
- UTILITY POLE
- - - OVERHEAD ELECTRIC LINE
- - - ELECTRIC CONDUIT
- - - LIMIT OF DISTURBANCE
- [Pattern] GRAVEL ACCESS DRIVE
- [Pattern] STORMWATER MANAGEMENT BASIN
- ⊕ EVERGREEN TREE

SOLAR ARRAY SYSTEM INFORMATION

SIZE DC	2,797 MW
SIZE AC	1,999 MW
INVERTER LOAD RATIO	1.40
MODULE TYPE	TRINASOLAR TSM-540-DEG19C.20 (540W)
MODULE QUANTITY	5,180
INVERTER	SUNGROW SG125HV 125KW
INVERTER QUANTITY	16
UTILITY	EVERSOURCE
SITE AREA	18.38 AC
PROJECT AREA	10.43 AC



PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	COMMENTS
IO	3	ILEX OPACA	AMERICAN HOLLY	B&B	6'-8" HT	FULL, EXTRA HEAVY
JV	7	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B&B	6'-8" HT	FULL, EXTRA HEAVY
TP	6	THUJA PLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	B&B	6'-8" HT	FULL, EXTRA HEAVY

Rev. #: 05/14/26 Revised Per CSC Interrogatories

Rev. #: Date Description

Graphic Scale: 50 0 50 100

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 Checked By: EEL
 Approved By: KMS
 Project #: 24112901
 Plan Date: 02/20/26
 Scale: 1" = 50'

Professional Engineer
 Kevin Solli, P.E.
 CT 25759

PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 40 OLD COLCHESTER ROAD
 SALEM, CONNECTICUT

Sheet Title: SITE LAYOUT PLAN Sheet #: 2.11

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- ### GRADING & DRAINAGE NOTES
- 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.
 - THIS DRAWING IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR DETAILS.
 - 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.
 - TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS FROM THE TOWN OF SALEM REQUIRED TO PERFORM ALL WORK, INCLUDING FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
 - 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 SALEM AUTHORITY.
 - 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.
 - ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
 - ALL DISTURBED AREAS OUTSIDE OF THE STORMWATER MANAGEMENT BASIN ARE TO BE RESEDED WITH ERNMX-146, NEW ENGLAND EROSION CONTROL / RESTORATION MIX FOR STORMWATER BASINS & MOIST SITES TO BE USED WITHIN STORMWATER MANGEMENT BASIN.

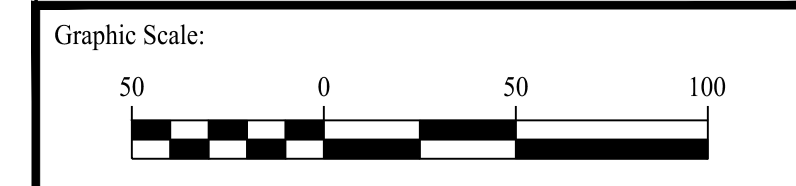
LEGEND

	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	STORM DRAIN PIPE
	HEADWALL
	FLARED END SECTION
	RIP RAP APRON

VOLUME SUMMARY

AREA ANALYZED	TOTAL CUT	TOTAL FILL	NET VOLUME
8.10 ACRES	5,035 CU. YDS.	4,979 CU. YDS.	56 CU. YDS. CUT

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PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 40 OLD COLCHESTER ROAD
 SALEM, CONNECTICUT

Sheet Title:	GRADING & DRAINAGE PLAN
Sheet #:	2.21

SEDIMENT & EROSION CONTROL NOTES

- THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE EASTERN CONNECTICUT CONSERVATION DISTRICT, 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 ALTERNATE EROSION AND SEDIMENT 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 ALTERNATE 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 SHALL CONSIST OF INORGANIC SOIL FREE OF CLAY, LOAM, ICE AND SNOW, TREE STUMPS, ROOTS, AND OTHER ORGANIC MATTER AND SHOULD CONFORM TO THE REQUIREMENTS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGE FACILITIES, AND INCIDENTAL CONSTRUCTION (CTDOT FORM 819) SECTION M.02.05, PERVIOUS STRUCTURE BACKFILL. THIS MATERIAL SHALL BE PLACED WITHIN TWO PERCENT OF ITS OPTIMUM MOISTURE CONTENT AND TO A MINIMUM IN-PLACE DRY DENSITY OF 95-PERCENT AS PER ASTM D1557.
- 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 AND BEFORE CONSTRUCTION ENTRIES (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.
- DEWATERING SHALL BE CONDUCTED IN ACCORDANCE WITH THE CT STORMWATER GENERAL PERMIT (CT SGP) SECTION 5.2.2.8 AND THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (THE GUIDELINES).
- INLET/OUTLET PROTECTION ASSOCIATED WITH PUMP INTAKE / DISCHARGE SHALL BE UTILIZED DURING DEWATERING ACTIVITIES IN THE FORM OF INLET TRAPS, FILTRATION DEVICES, MANIFOLDS, SILT BAGS, RIPRAP OUTFALLS, OR OTHER STANDARD PROTECTION DEVICES. DIRECT DEWATERING DISCHARGES TO UPLAND BMPs DESIGNED TO REMOVE SUSPENDED SOLIDS.
- DEWATERING WATERS SHALL NOT CAUSE SCOURING OR EROSION. SHALL NOT CONTAIN SUSPENDED SOLIDS IN AMOUNTS REASONABLY EXPECTED TO CAUSE POLLUTION OF SURFACE WATERS, AND SHALL NOT CONTAIN A VISIBLE OIL SHEEN, EXCESSIVE TURBIDITY, FLOATING SOLIDS, DEBRIS, TRASH, OR FOAMING IN THE RECEIVING WATER.

- IF TURBIDITY OR DISCOLORATION OR OTHER POLLUTANTS ARE OBSERVED IN THE DISCHARGE FROM DEWATERING CONTROL MEASURES, ADDITIONAL OR ALTERNATE CONTROL MEASURES OR OTHER CORRECTIVE ACTIONS MUST BE IMPLEMENTED IN ACCORDANCE WITH SECTION 5.2.4.2.G.I OF THE CT SGP AND THE GUIDELINES.
- FOR EACH DEWATERING DISCHARGE POINT, THE PERMITTEE SHALL CARRY OUT INITIAL AND WEEKLY TURBIDITY MONITORING FOR THE DURATION OF DEWATERING OPERATIONS.
- THE SAMPLING POINTS SHALL BE DETERMINED IMMEDIATELY DOWNSTREAM OF THE FINAL TREATMENT, PRIOR TO THE ENTRY INTO ANY RECEIVING SURFACE WATER, WETLAND, OR OFF-SITE DRAINAGE FEATURE. THE PERMITTEE SHALL MEASURE TURBIDITY IN ACCORDANCE WITH 40 CFR 136.
- THE PERMITTEE SHALL TAKE THE FIRST MEASUREMENT WITHIN 30 MINUTES OF INITIATING THE DEWATERING AT EACH DISCHARGE POINT. WEEKLY TURBIDITY MONITORING SHALL FOLLOW AT EACH ACTIVE DEWATERING DISCHARGE POINT.
- RECORDS OF TURBIDITY MONITORING CONDUCTED PURSUANT TO SECTIONS 5.2.4.2.8 SHALL BE SUBMITTED TO THE COMMISSIONER ON THE FIRST DAY OF EACH MONTH FOLLOWING THE INITIATION OF THE DEWATERING DISCHARGE FOR AS LONG AS THE DISCHARGE EXISTS. 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. 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 14 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.
- REFER TO THE NATIVE POLLINATOR MEADOW PLANTING PLAN BY WILLIAM KENNY ASSOCIATES FOR SEED MIXES WITHIN THE LIMITS OF DISTURBANCE. NEW ENGLAND EROSION CONTROL RESTORATION MIX FOR STORMWATER BASINS & MOIST SITES OR APPROXIMATELY EQUAL, SHALL BE UTILIZED ON THE BOTTOM AND SIDE SLOPES OF THE BASIN.
- REFER TO SHEET 2.41 FOR SEDIMENT & EROSION CONTROL NARRATIVE & DETAILS.

CONSTRUCTION OPERATION & MAINTENANCE PLAN		
E&S MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.
COMPOSITE 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.
TEMPORARY SEDIMENT BASIN	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.5"	REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO ONE HALF OF MINIMUM REQUIRED VOLUME OF THE WET STORAGE. DEWATERING AS NEEDED. RESTORE BASIN TO ORIGINAL DIMENSIONS.

CONSTRUCTION SEQUENCE (PHASE I)

THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. THE CONTRACTOR MAY ELECT TO ALTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE, THE EXISTING SITE ACTIVITIES AND WEATHER CONDITIONS. SHOULD THE CONTRACTOR ALTER THE CONSTRUCTION SEQUENCE OR ANY EROSION AND SEDIMENTATION CONTROL MEASURES THEY SHALL MODIFY THE STORMWATER POLLUTION CONTROL PLAN ("SWPCP") AS REQUIRED BY THE GENERAL PERMIT. MAJOR 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 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 SILT FENCE / PERIMETER SEC MEASURES AS PROPOSED (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SEC MEASURES).
 - PREPARE TEMPORARY PARKING AND STORAGE AREAS. ESTABLISH MATERIAL STOCKPILE AREA AND INSTALL SEC BARRIER SURROUNDING PILE.
 - COMPLETE PHASE I CLEARING & GRUBBING FOR INSTALLATION OF SEDIMENT BASIN & FAIRCLOTH SKIMMER PER DESIGN PLANS. STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.

LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- SILT FENCE PROTECTION
- MATERIAL STOCKPILE AREA
- COMPOST FILTER SOCK
- CONSTRUCTION ENTRANCE
- PHASE I CLEARING AND GRUBBING
- EROSION CONTROL MATTING

SEDIMENT BASIN CALCULATIONS

NOTE: THE TEMPORARY SEDIMENT BASIN HAS BEEN SIZED TO PROVIDE A MINIMUM STORAGE VOLUME AREA PER THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

SEDIMENT BASIN:
 CONTRIBUTING DRAINAGE AREA = 11.15+ ACRES
 $V = (DA)(A)(DR)(TE)(2,000LBS/TON) / [(Y)(43,560 SQ. FT./AC)]$
 $V = [(15.03)(50)(38)(80)(2,000) / [(90)(43,560)] = 0.086 ACRE-FT$
 $V = 3,766 CF$
 REQUIRED WET STORAGE = 2 X 1 YEAR SEDIMENT STORAGE
 $V = (2)(3,766) = 7,532 CF$
 RESIDENCE VOLUME = $[(0.67 IN)(11.15 AC)](12 IN/FT) = 0.62 ACRE-FT$
 RESIDENCE VOLUME = 27,118 CF
 REQUIRED BASIN STORAGE = $(3,766 + 7,532 + 27,118) = 38,416 CF$
 SEDIMENT BASIN STORAGE CAPACITY = 44,336+ CF

PROPOSED PHASE I CLEARING AND GRUBBING WITHIN THE LIMITS OF DISTURBANCE (43.79+ AC) CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEEDED. (TYP.)

INSTALL SILT FENCE PROTECTION (TYP.)

PROPOSED TEMPORARY STOCKPILE AREA FOR DEMOLITION DEBRIS WITH TEMPORARY COMPOSITE FILTER SOCK BARRIER (TYP.) LOCATION AND SIZE OF STOCKPILE AREA ARE SUBJECT TO CHANGE THROUGHOUT CONSTRUCTION.

PROPOSED 4" FAIRCLOTH SKIMMER WITH 3.3" ORIFICE (SEE SHEET 2.41)

INSTALL CONCRETE HEADWALL STRUCTURE AND OUTLET PIPE PER SHEET 2.21. DO NOT INSTALL TRASH RACK AND CAP/PLUG OUTLET PIPE UNTIL SEDIMENT BASIN IS READY TO BE CONVERTED TO STORMWATER MANAGEMENT BASIN.

INSTALL 20" WIDE RIPRAP EMERGENCY SPILLWAY ELEV.: 402.00

PROPOSED TEMPORARY STONE STABILIZED CONSTRUCTION ENTRANCE (MIN LENGTH: 50')

LIMIT OF PHASE I WORK (TYP.)

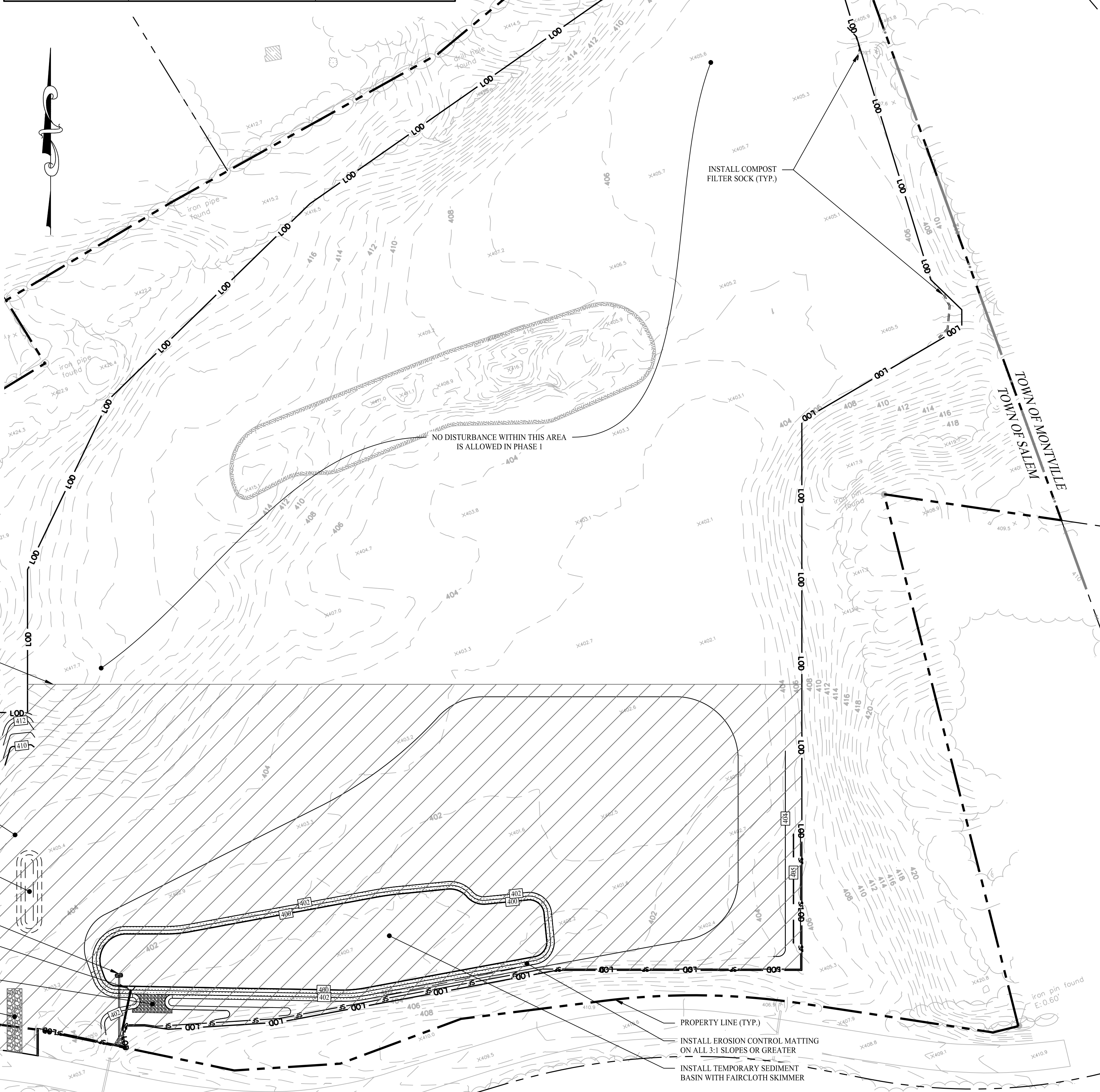
LIMITS OF DISTURBANCE (TYP.)

NO DISTURBANCE WITHIN THIS AREA IS ALLOWED IN PHASE I

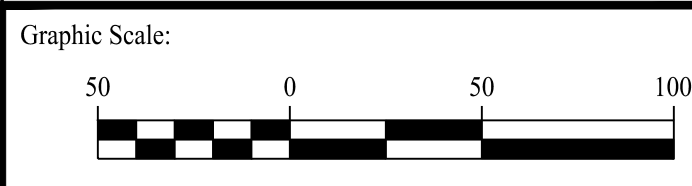
INSTALL COMPOST FILTER SOCK (TYP.)

INSTALL EROSION CONTROL MATTING ON ALL 3:1 SLOPES OR GREATER

INSTALL TEMPORARY SEDIMENT BASIN WITH FAIRCLOTH SKIMMER



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PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 40 OLD COLCHESTER ROAD
 SALEM, CONNECTICUT

Sheet Title:	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE I	Sheet #:	2.31
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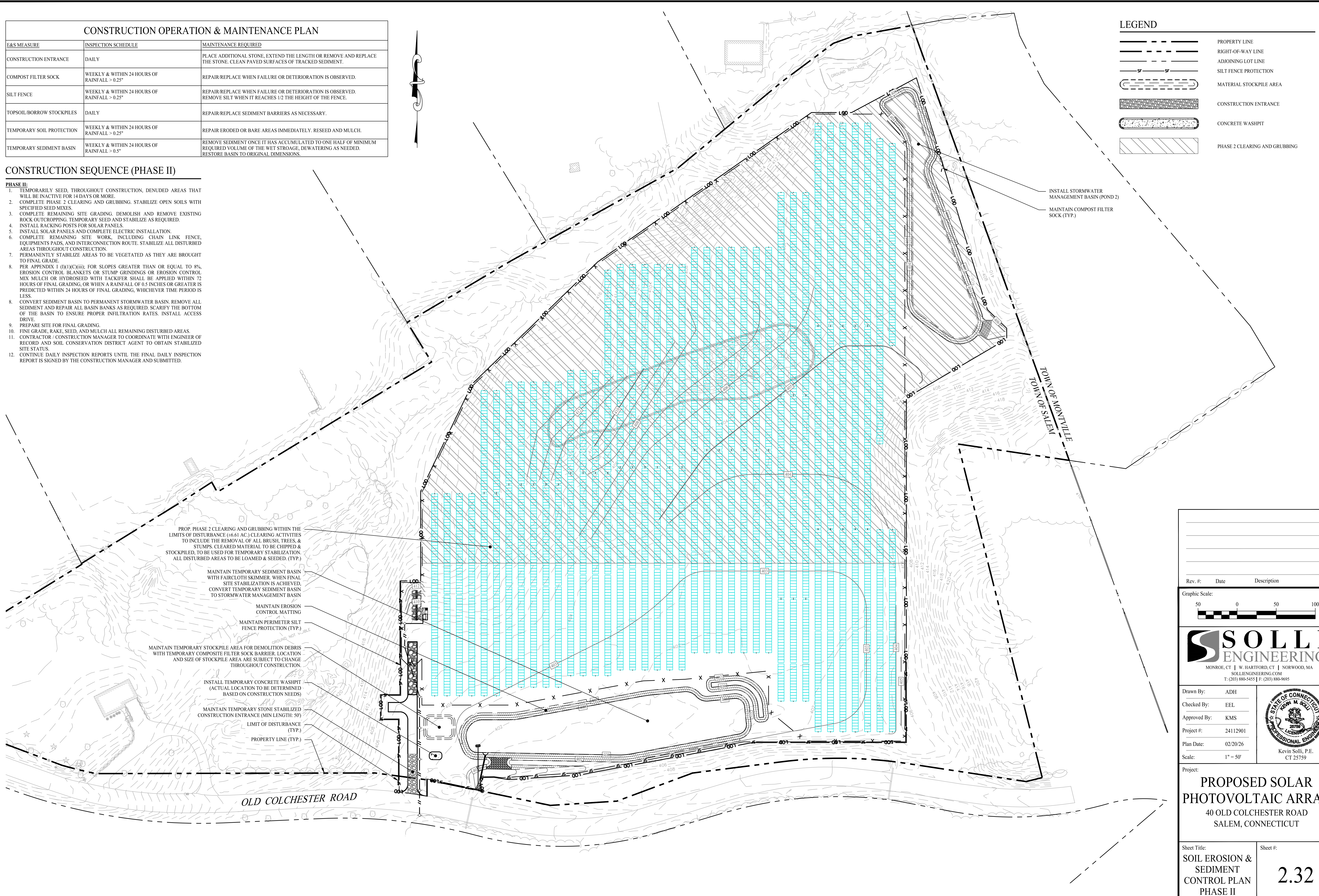
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CONSTRUCTION OPERATION & MAINTENANCE PLAN		
E&S MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE. EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.
COMPOST FILTER SOCK	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED.
SILT FENCE	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.
TOPSOIL/BORROW STOCKPILES	DAILY	REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY.
TEMPORARY SOIL PROTECTION	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH.
TEMPORARY SEDIMENT BASIN	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.5"	REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO ONE HALF OF MINIMUM REQUIRED VOLUME OF THE WET STORAGE. DEWATERING AS NEEDED. RESTORE BASIN TO ORIGINAL DIMENSIONS.

CONSTRUCTION SEQUENCE (PHASE II)

- PHASE II:**
- TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUEDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
 - COMPLETE PHASE 2 CLEARING AND GRUBBING. STABILIZE OPEN SOILS WITH SPECIFIED SEED MIXES.
 - COMPLETE REMAINING SITE GRADING. DEMOLISH AND REMOVE EXISTING ROCK OUTCROPPING. TEMPORARY SEED AND STABILIZE AS REQUIRED.
 - INSTALL RACKING POSTS FOR SOLAR PANELS.
 - INSTALL SOLAR PANELS AND COMPLETE ELECTRIC INSTALLATION.
 - COMPLETE REMAINING SITE WORK, INCLUDING CHAIN LINK FENCE, EQUIPMENTS PADS, AND INTERCONNECTION ROUTE. STABILIZE ALL DISTURBED AREAS THROUGHOUT CONSTRUCTION.
 - PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
 - PER APPENDIX 1 (IV)(C)(iii); FOR SLOPES GREATER THAN OR EQUAL TO 8%, EROSION CONTROL BLANKETS OR STUMP GRINDINGS OR EROSION CONTROL MIX MULCH OR HYDROSEED WITH TACKIFIER SHALL BE APPLIED WITHIN 72 HOURS OF FINAL GRADING, OR WHEN A RAINFALL OF 0.5 INCHES OR GREATER IS PREDICTED WITHIN 24 HOURS OF FINAL GRADING, WHICHEVER TIME PERIOD IS LESS.
 - CONVERT SEDIMENT BASIN TO PERMANENT STORMWATER BASIN. REMOVE ALL SEDIMENT AND REPAIR ALL BASIN BANKS AS REQUIRED. SCARIFY THE BOTTOM OF THE BASIN TO ENSURE PROPER INFILTRATION RATES. INSTALL ACCESS DRIVE.
 - PREPARE SITE FOR FINAL GRADING.
 - FINE GRADE, RAKE, SEED, AND MULCH ALL REMAINING DISTURBED AREAS.
 - CONTRACTOR / CONSTRUCTION MANAGER TO COORDINATE WITH ENGINEER OF RECORD AND SOIL CONSERVATION DISTRICT AGENT TO OBTAIN STABILIZED SITE STATUS.
 - CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION REPORT IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED.

LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	ADJOINING LOT LINE
	SILT FENCE PROTECTION
	MATERIAL STOCKPILE AREA
	CONSTRUCTION ENTRANCE
	CONCRETE WASHPIT
	PHASE 2 CLEARING AND GRUBBING



PROP. PHASE 2 CLEARING AND GRUBBING WITHIN THE LIMITS OF DISTURBANCE (±6.61 AC.) CLEARING ACTIVITIES TO INCLUDE THE REMOVAL OF ALL BRUSH, TREES, & STUMPS. CLEARED MATERIAL TO BE CHIPPED & STOCKPILED, TO BE USED FOR TEMPORARY STABILIZATION. ALL DISTURBED AREAS TO BE LOAMED & SEED. (TYP.)

MAINTAIN TEMPORARY SEDIMENT BASIN WITH FAIRCLOTH SKIMMER. WHEN FINAL SITE STABILIZATION IS ACHIEVED, CONVERT TEMPORARY SEDIMENT BASIN TO STORMWATER MANAGEMENT BASIN

MAINTAIN EROSION CONTROL MATTING

MAINTAIN PERIMETER SILT FENCE PROTECTION (TYP.)

MAINTAIN TEMPORARY STOCKPILE AREA FOR DEMOLITION DEBRIS WITH TEMPORARY COMPOSITE FILTER SOCK BARRIER. LOCATION AND SIZE OF STOCKPILE AREA ARE SUBJECT TO CHANGE THROUGHOUT CONSTRUCTION.

INSTALL TEMPORARY CONCRETE WASHPIT (ACTUAL LOCATION TO BE DETERMINED BASED ON CONSTRUCTION NEEDS)

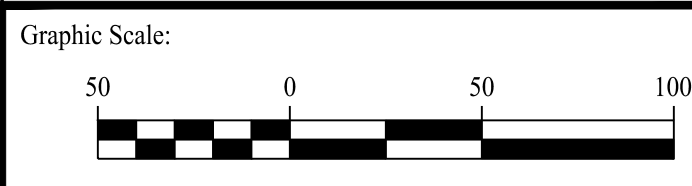
MAINTAIN TEMPORARY STONE STABILIZED CONSTRUCTION ENTRANCE (MIN LENGTH: 30')

LIMIT OF DISTURBANCE (TYP.)

PROPERTY LINE (TYP.)

INSTALL STORMWATER MANAGEMENT BASIN (POND 2)
MAINTAIN COMPOST FILTER SOCK (TYP.)

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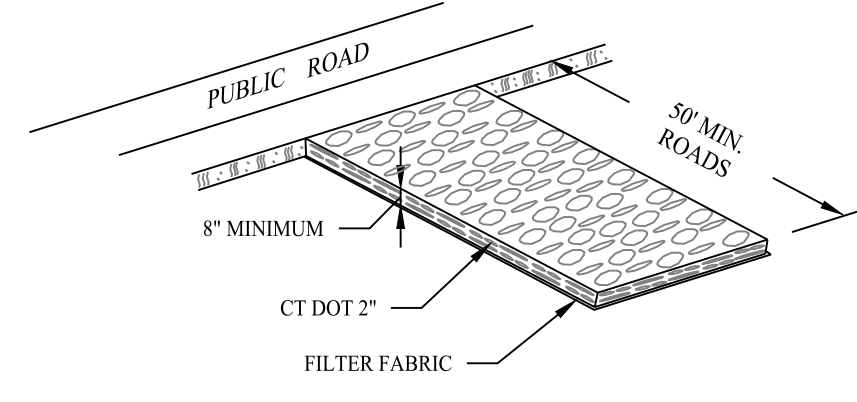
Drawn By:	ADH
Checked By:	EEL
Approved By:	KMS
Project #:	24112901
Plan Date:	02/20/26
Scale:	1" = 50'



PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 40 OLD COLCHESTER ROAD
 SALEM, CONNECTICUT

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

May 14, 2026 - 9:18am Anthony X:\SE Files\Project Data\2024\24112901 - 40 Old Colchester Road - Salem, CT\Engineering Data\24112901 - 40 Old Colchester Road - 2.32.dwg



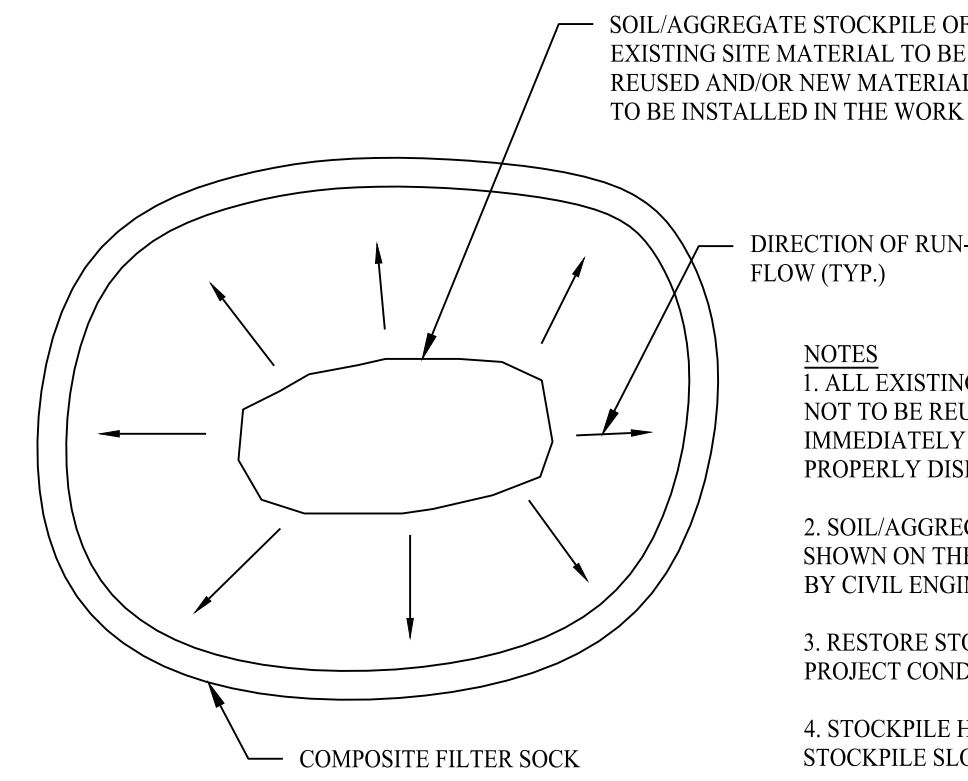
GRADATION TABLE

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

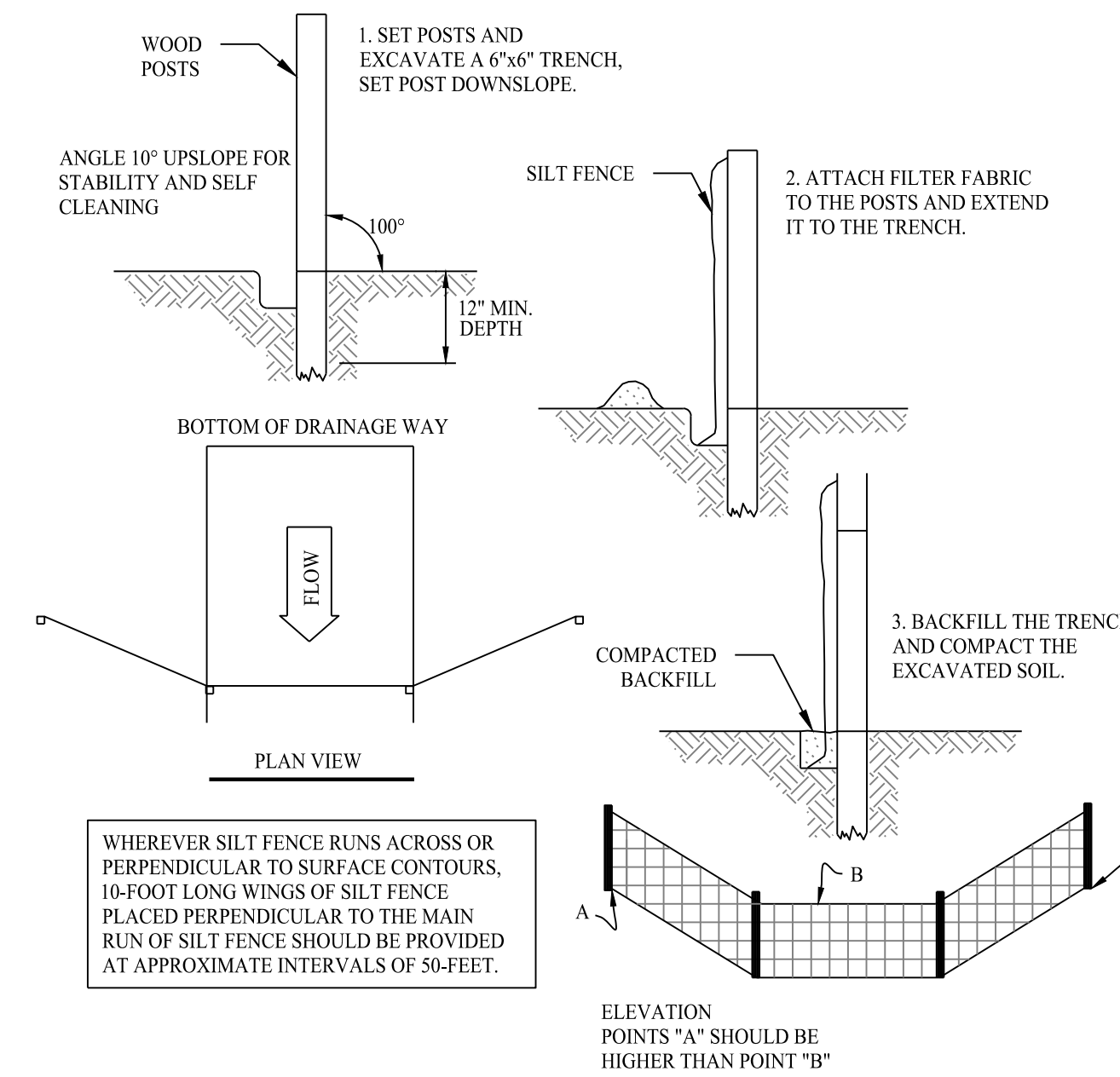
CONSTRUCTION ENTRANCE

SCALE: NTS



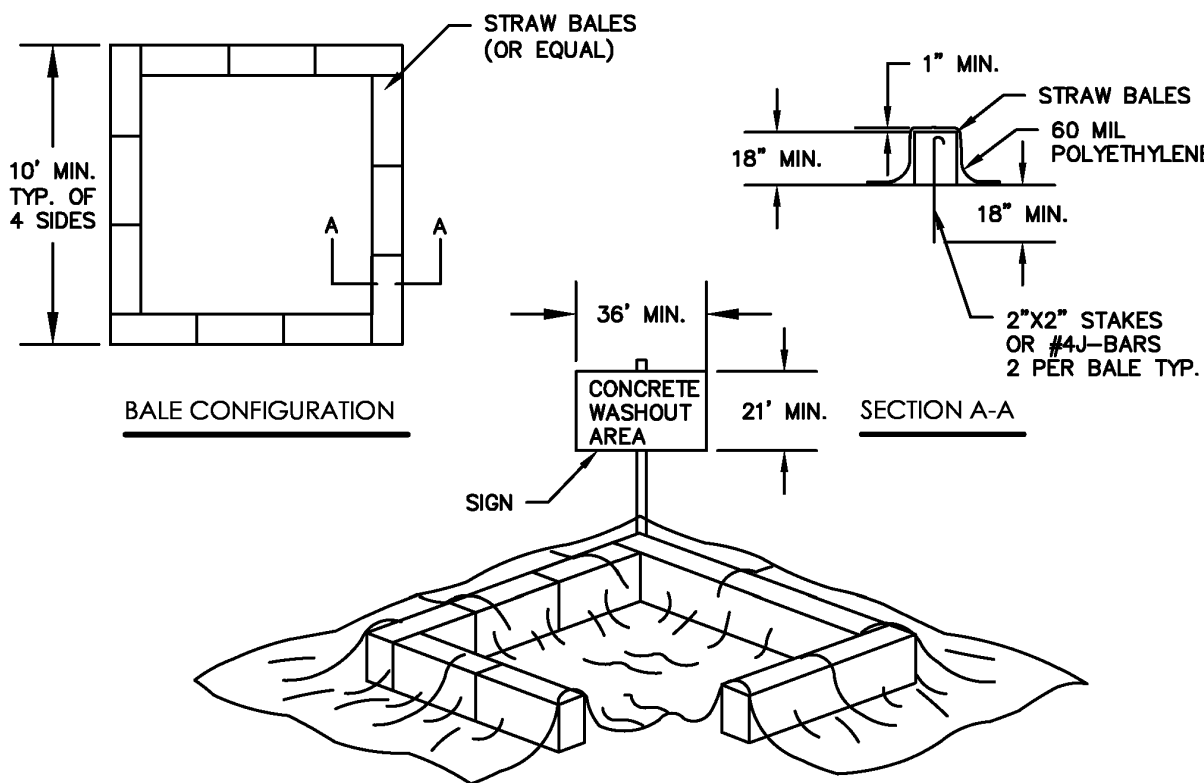
MATERIALS STOCKPILE DETAIL

SCALE: NTS



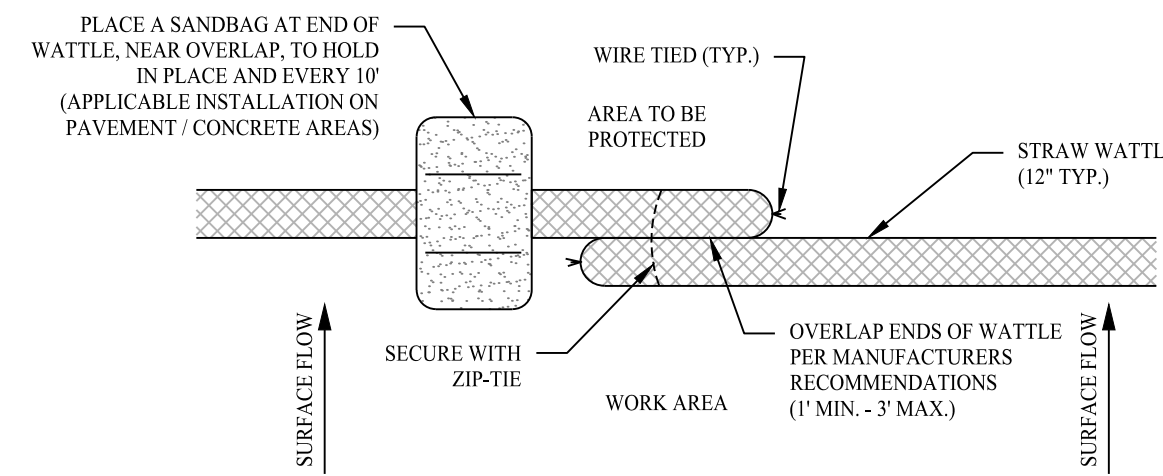
SILT FENCE PROTECTION DETAIL

SCALE: NTS



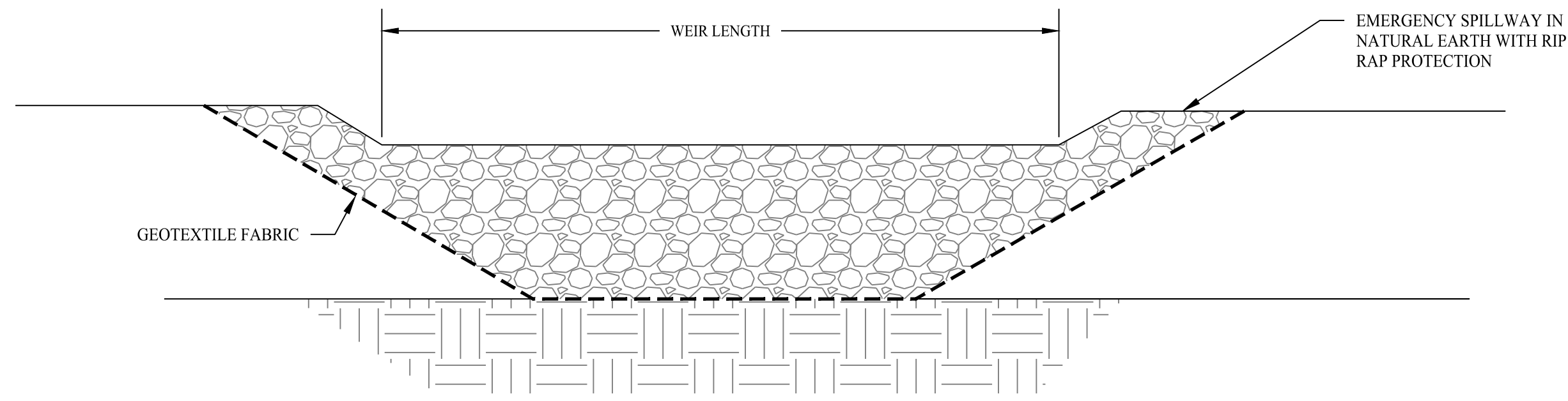
CONCRETE WASHOUT PIT

SCALE: NTS

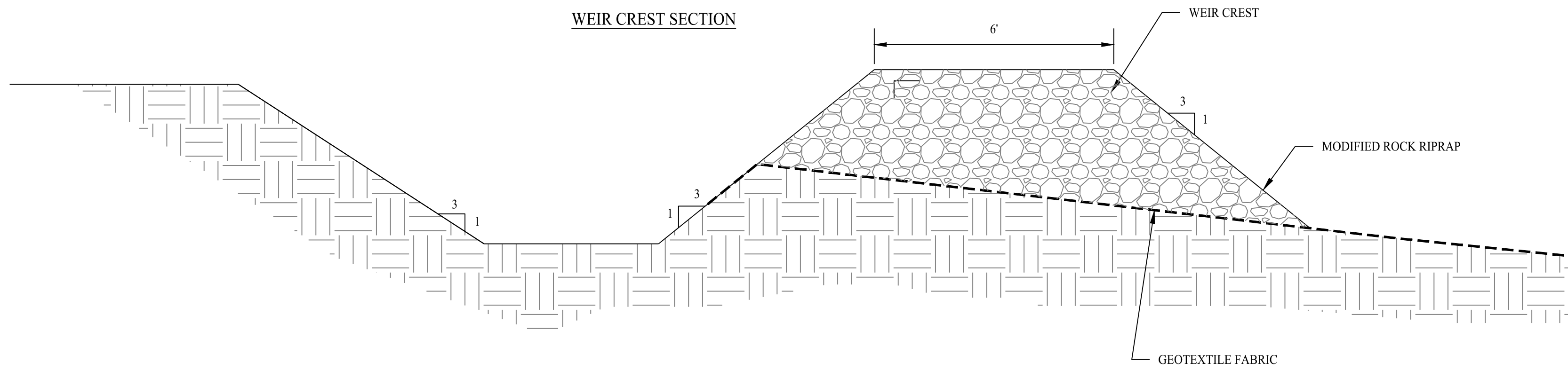


COMPOST FILTER SOCK

SCALE: NTS

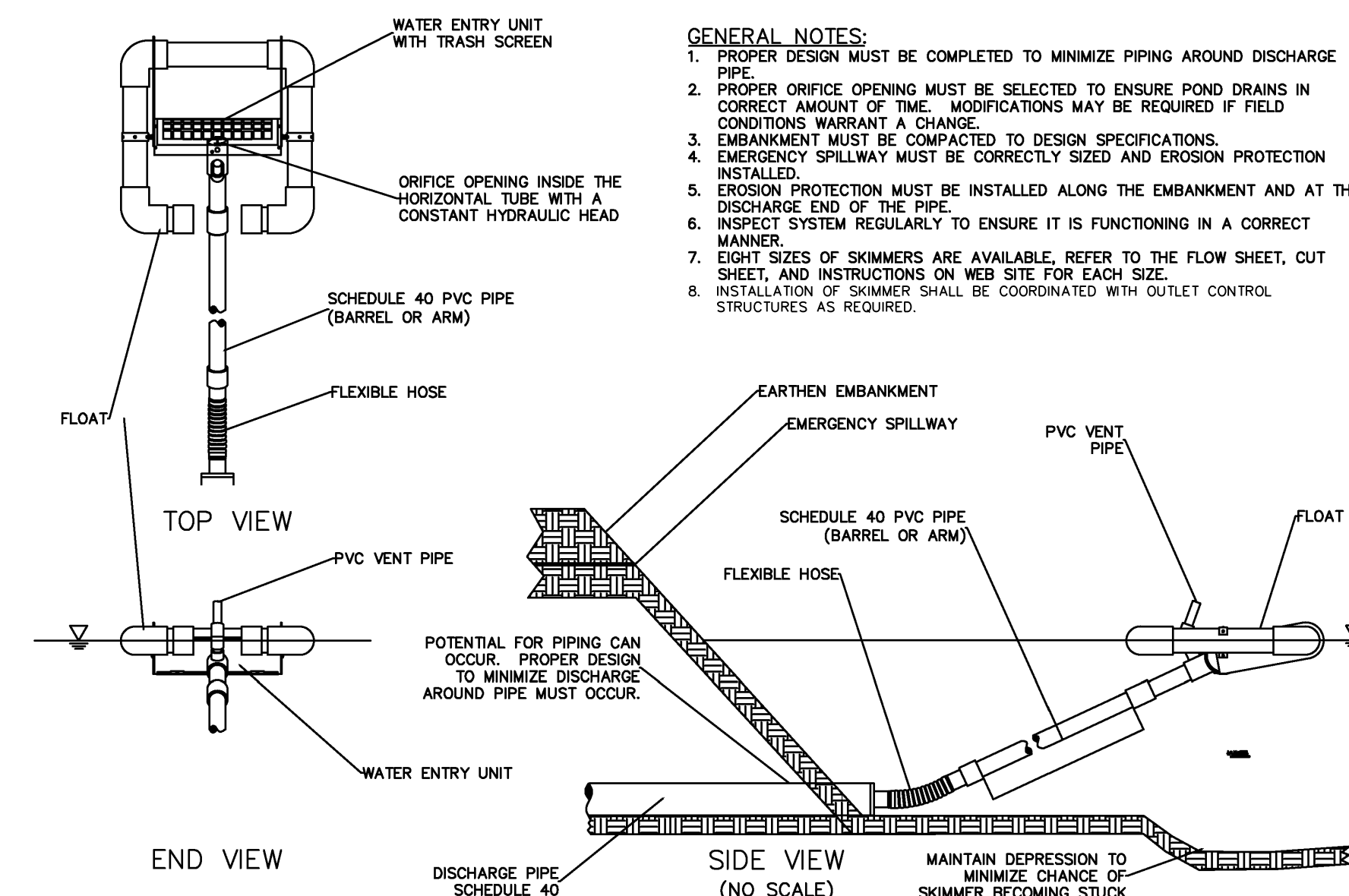


WEIR CREST SECTION



TEMPORARY SEDIMENT BASIN

SCALE: NTS



FAIRCLOTH SKIMMER DISCHARGE SYSTEM

SCALE: NTS

PROVIDED BY: J. W. FAIRCLOTH & SON INC.

NATURAL DIVERSITY DATABASE NOTES

AS A PRECAUTIONARY CONSERVATION MEASURE, THE FOLLOWING IS A SUMMARY OF MEASURES PROVIDED BY THE CT DEEP WHICH WILL BE USED BEFORE, DURING AND FOLLOWING CONSTRUCTION TO PROTECT BAT SPECIES THAT MAY POTENTIALLY BE ENCOUNTERED AT THE PROJECT SITE. REMOVAL AND CUTTING OF TREES GREATER THAN OR EQUAL TO 3" IN DIAMETER MUST BE CONDUCTED BETWEEN NOVEMBER 1 AND MARCH 30, A TIME PERIOD IN WHICH BATS ARE HIBERNATING AND ARE NOT INHABITING TREES.

PRE CONSTRUCTION

- WORKSITE SAFETY PERMITTING, NATURAL ROOSTING RESOURCES INCLUDING SNAGS, TREES WITH CAVITIES, CRACKS OR CREVICES, TREES WITH EXFOLIATING BARK, CONIFEROUS TREES AND TALLUS SLOPES SHOULD BE IDENTIFIED BEFOREHAND AND PRESERVED IF POSSIBLE.
- SUMMER ROOSTING OPPORTUNITIES OCCURRING IN MAN-MADE STRUCTURES SUCH AS HOUSE-EVES OR BARN SHOULD BE IDENTIFIED BEFOREHAND AND PRESERVED IF POSSIBLE.
- PRESERVE EDGE HABITAT DUE TO ITS MEANS AS HIGHWAYS OF TRAVEL FOR BAT FORAGING, WATERING, AND ROOSTING ACTIVITIES.
- TAKE STEPS NECESSARY TO DESIGN, BUILD AND OPERATE THE PROPOSED PROJECT IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF THE LEED GREEN BUILDING RATING SYSTEM PILOT CREDIT #55.

MID-CONSTRUCTION

- WATER SOURCES IN AND AROUND THE PROJECT SITE SHOULD BE MAINTAINED AS CLEAN FOR WILDLIFE USE AND FREE OF SILTATION DURING CONSTRUCTION. EROSION SOURCES THAT COULD CONTRIBUTE TO SILTATION OF NATURAL AND ARTIFICIAL WATERBODIES SHOULD BE MANAGED THROUGHOUT CONSTRUCTION.
- THE USE OF PESTICIDES IN AND AROUND THE PROJECT SITE SHOULD BE AVOIDED TO MINIMIZE IMPACTS TO INSECT FOOD SOURCES.
- DOWN SHIELD AND POSITION LIGHTING AWAY FROM NATURAL, NON-PROJECT SITE AREAS, TO AVOID POTENTIALLY DANGEROUS LIGHT HAZARDS FOR BATS AND BIRDS. LIMIT INTERIOR AND EXTERIOR LIGHTING AT NIGHT.

POST-CONSTRUCTION

- ARTIFICIAL ROOSTING STRUCTURES (I.E. BAT BOXES) SHOULD BE INSTALLED AROUND THE PROJECT SITE IF NATURAL ROOSTING OPTIONS POST-PROJECT COMPLETION WILL BE MINIMAL.
- PROTECT EXISTING AND PROMOTE ESTABLISHING A DIVERSITY OF NATIVE VEGETATION AT THE PROJECT SITE THAT COULD SERVE AS HABITAT FOR INSECT FOOD SOURCES.

SEDIMENT & EROSION CONTROL NARRATIVE

1. THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING GRADING OF APPROXIMATELY 10.4+ ACRES OF EXISTING LOT.

THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

- CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
 - CONSTRUCTION OF 5,180 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
 - THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
 - THE NET EXPORT OF APPROXIMATELY 56+ CUBIC YARDS OF MATERIAL.
2. FOR THIS PROJECT, THERE ARE APPROXIMATELY 10.4+ ACRES OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASE IN THE IMPERVIOUS AREA OF THE SITE. IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PAD FOR ELECTRICAL EQUIPMENT & GRAVEL ACCESS DRIVE.
3. THE PROJECT AREA, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 1, SEPTEMBER 15, 2023), CONTAINS TYPE 38C (HYDROLOGIC SOIL GROUP A), 62C (HYDROLOGIC SOIL GROUP B), AND 62D (HYDROLOGIC SOIL GROUP B). A GEOTECHNICAL ENGINEERING REPORT IS SCHEDULED AND HAS BEEN PROVIDED UNDER SEPARATE COVER.
4. IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4-8 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, TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 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:
- STAGED CONSTRUCTION;
 - MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;
 - STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE;
 - MINIMIZE IMPERVIOUS AREAS;
 - UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES INCLUDING SEDIMENT BASIN, SILT FENCING, EROSION CONTROL MATTING, & COMPOST FILTER SOCK.
9. THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
- STORMWATER MANAGEMENT REPORT.
 - SWPCP, TO BE ISSUED AT A LATER DATE.

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Drawn By: ADH
Checked By: EEL
Approved By: KMS
Project #: 24112901
Plan Date: 02/20/26
Scale: NTS



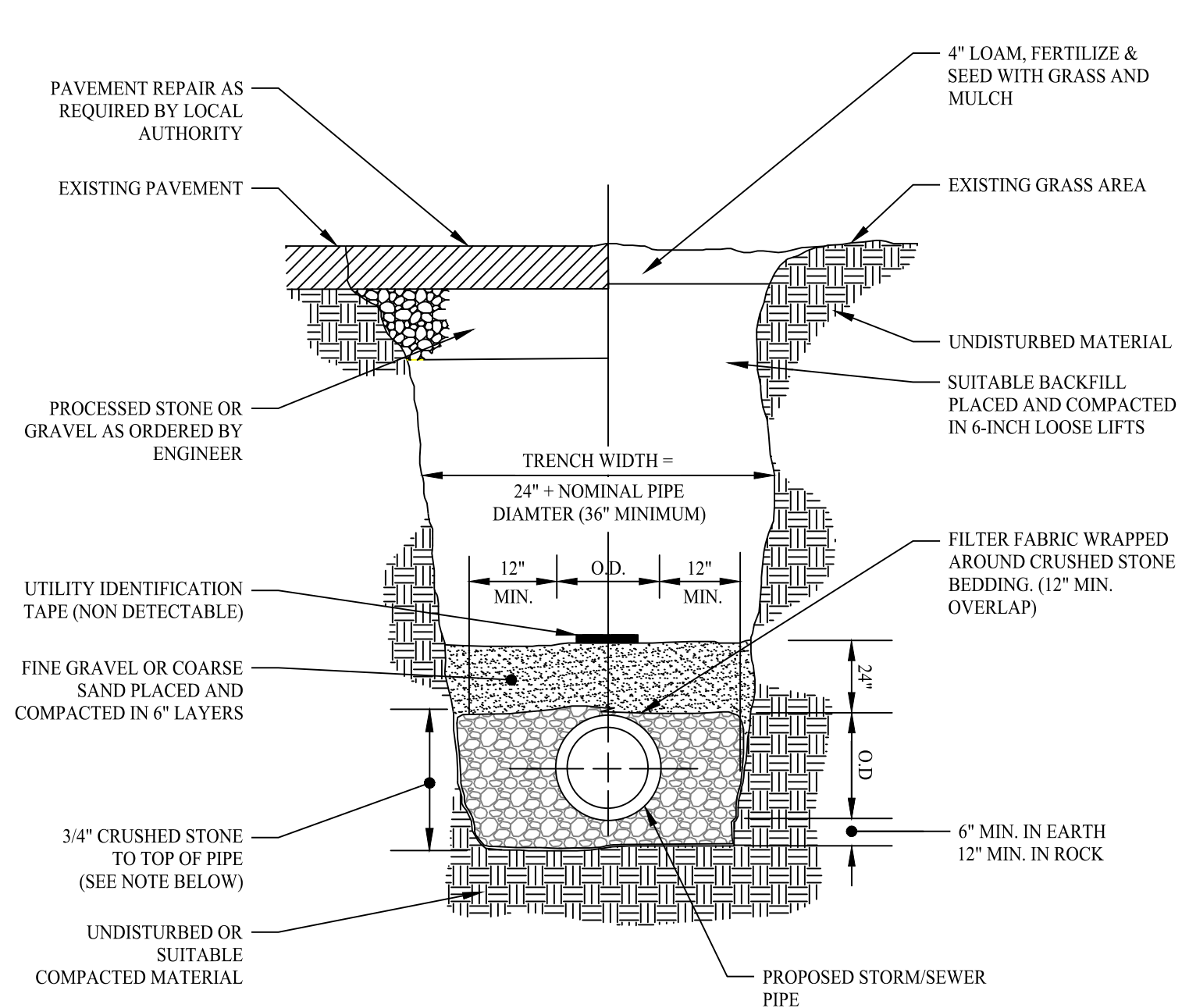
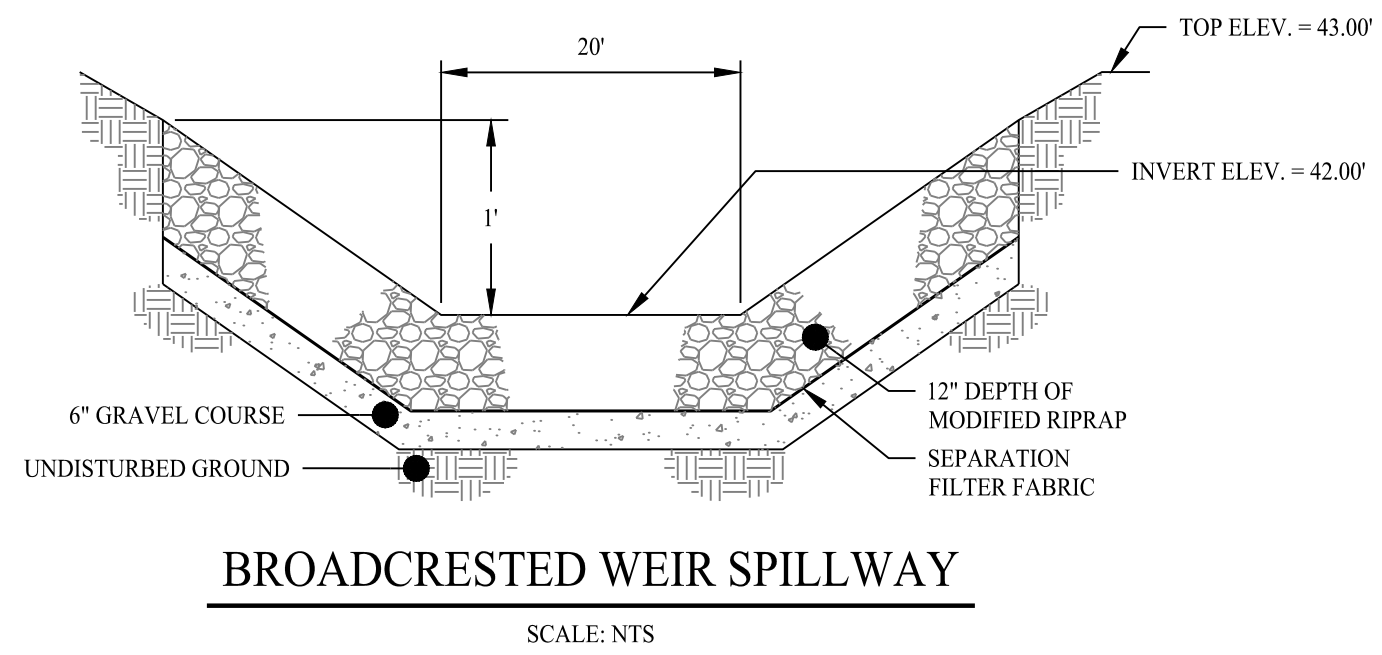
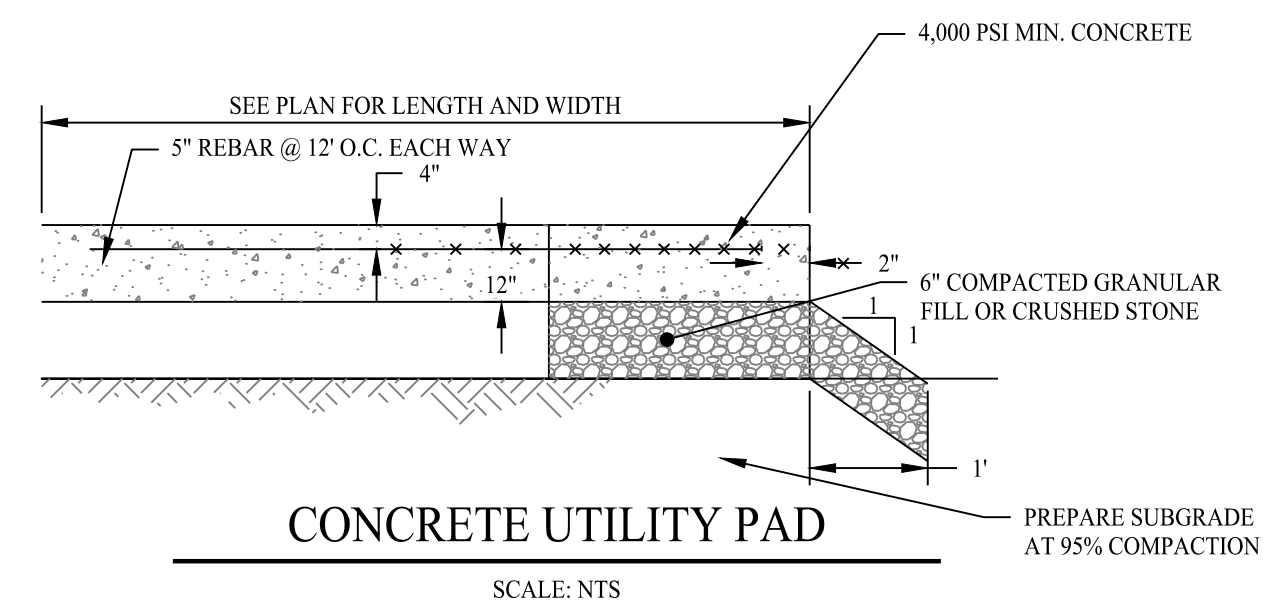
Kevin Solli, P.E.
CT 25759

PROPOSED SOLAR PHOTOVOLTAIC ARRAY
40 OLD COLCHESTER ROAD
SALEM, CONNECTICUT

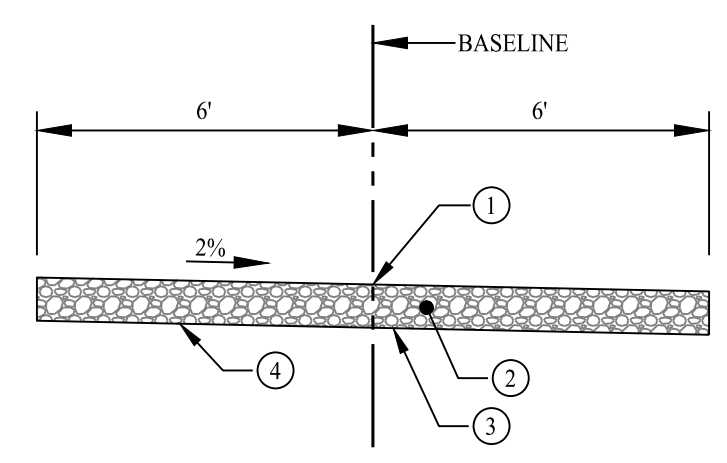
Sheet Title:
SOIL EROSION & SEDIMENT CONTROL DETAILS

Sheet #:

2.41

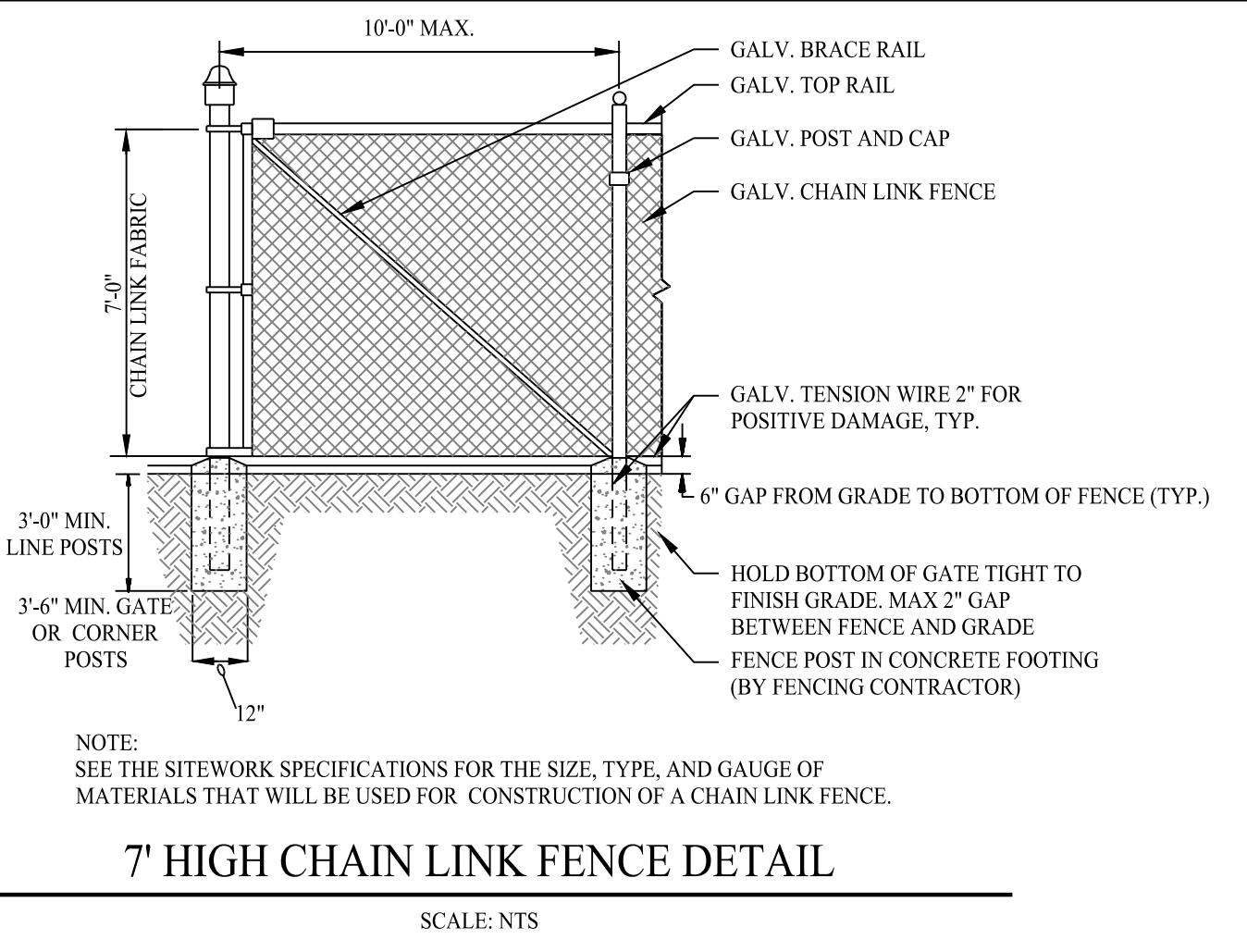
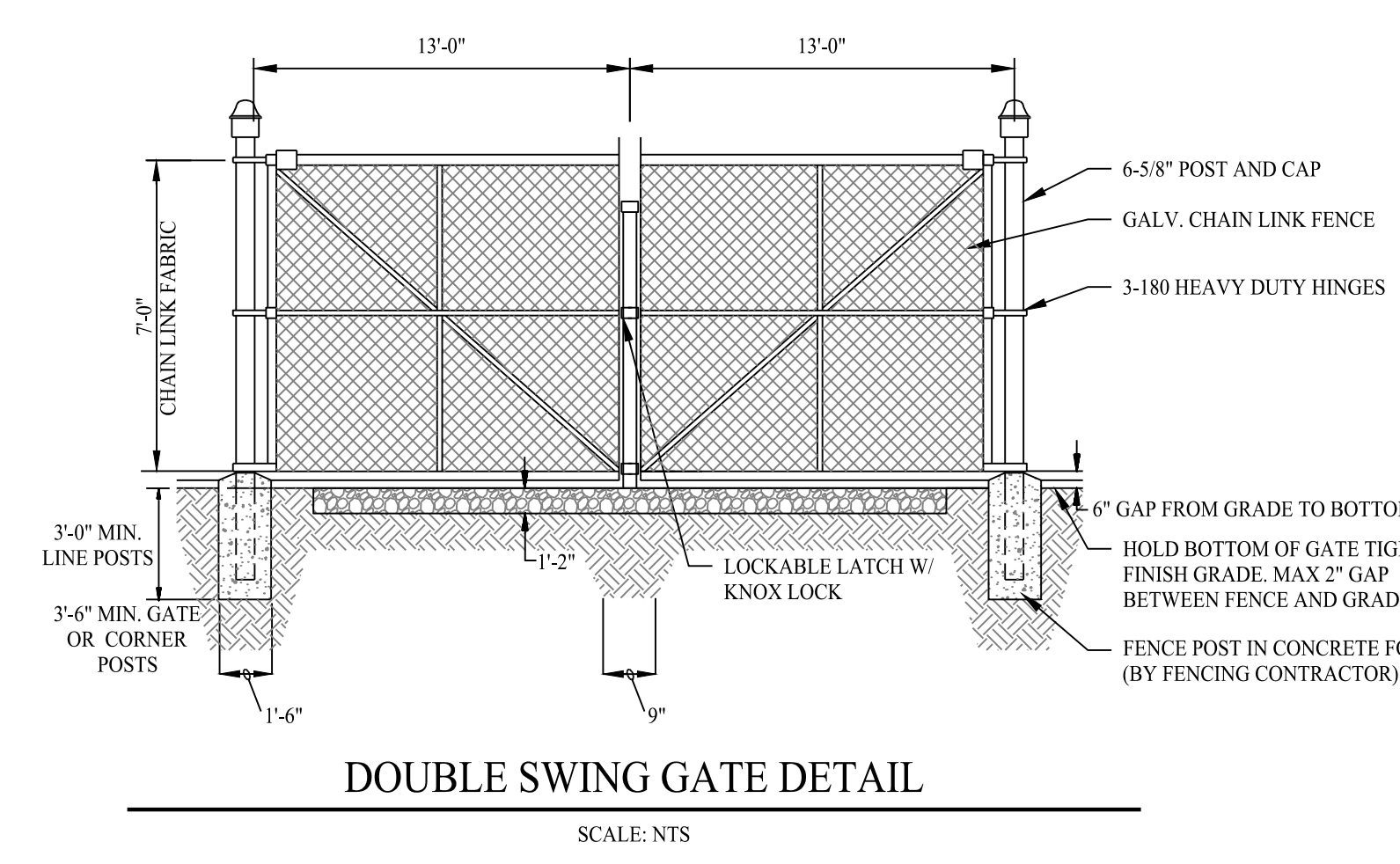


- NOTES:
- POINT OF APPLICATION OF GRADE OR MATCH EXISTING GROUND
 - 12" LAYER CRUSHED STONE
 - NONWOVEN GEOTEXTILE (US200 OR EQUAL)
 - LIMIT OF EXCAVATION OR LIMIT OF COMPACTION
- NOTES:
- THE CONTRACTOR SHALL CONTACT CT CALL BEFORE YOU DIG (CBYD) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - TRANSITIONS BETWEEN TYPICAL ACCESS ROAD SECTIONS SHALL OCCUR OVER 50 FEET. (TYPICAL)

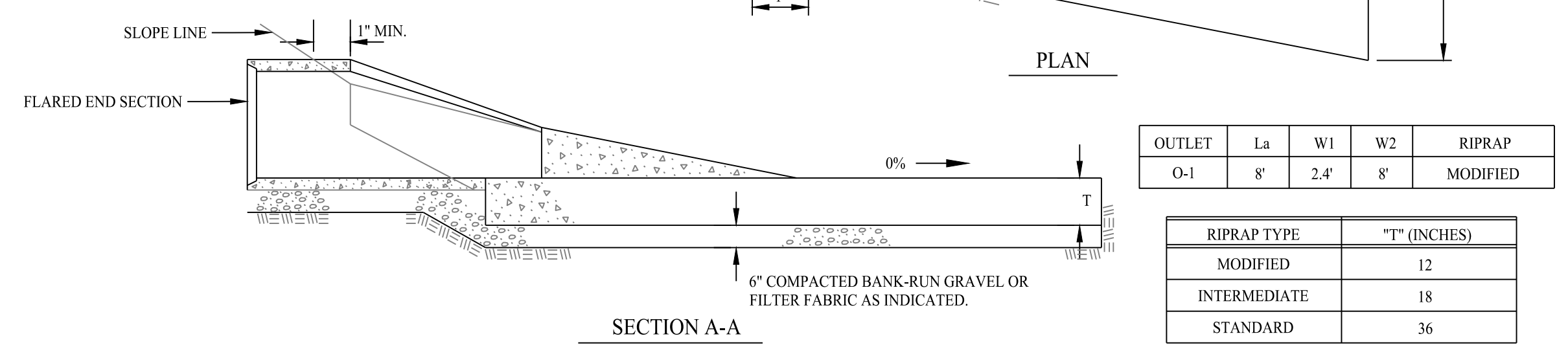
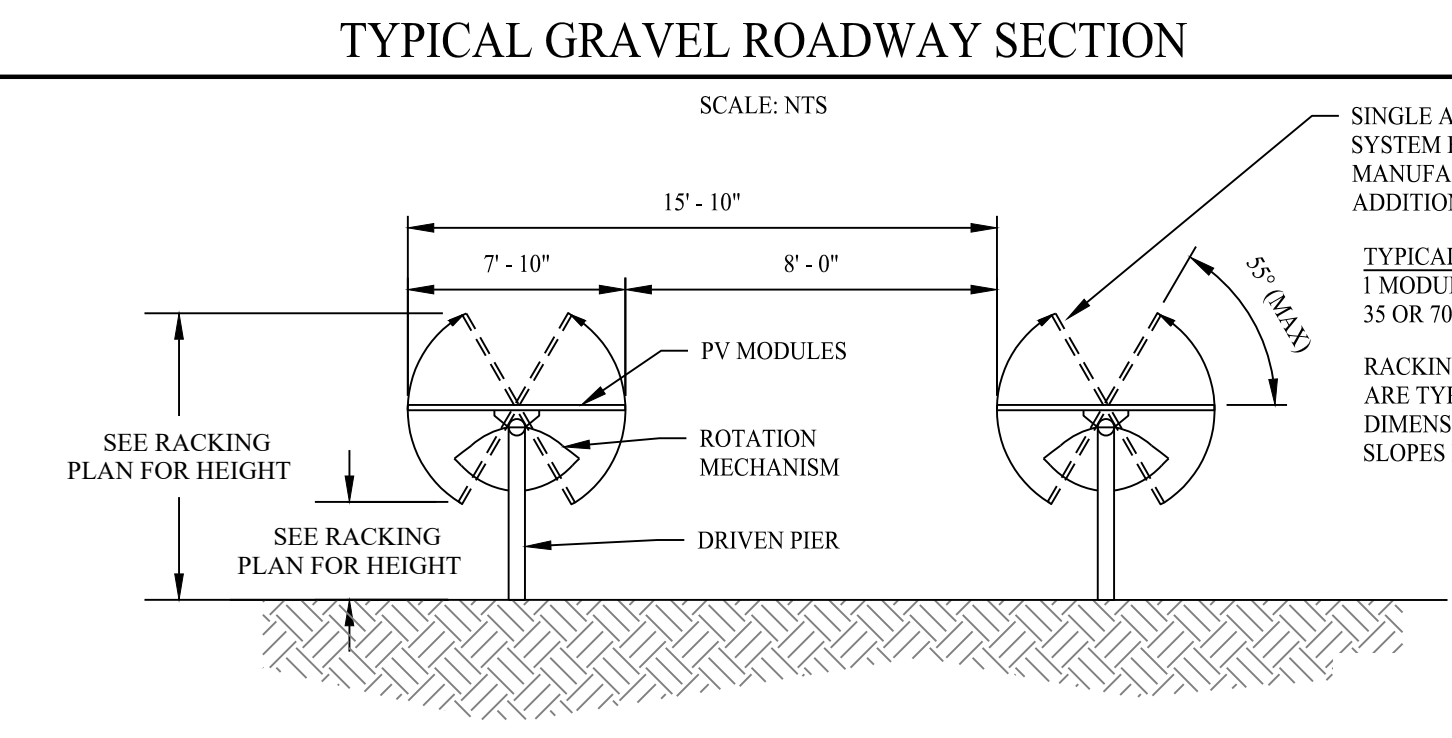
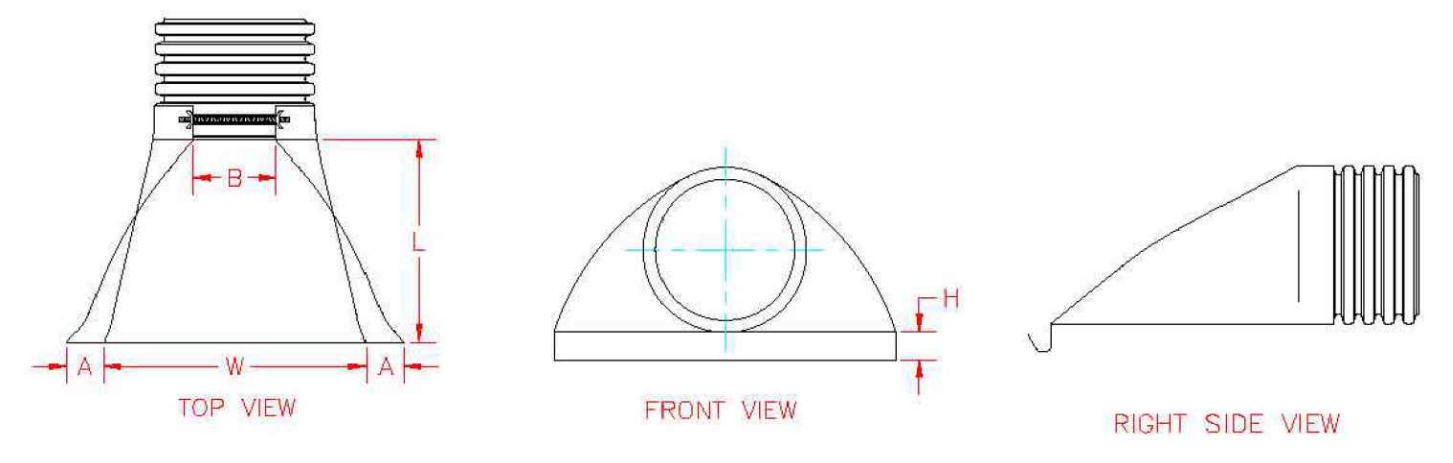
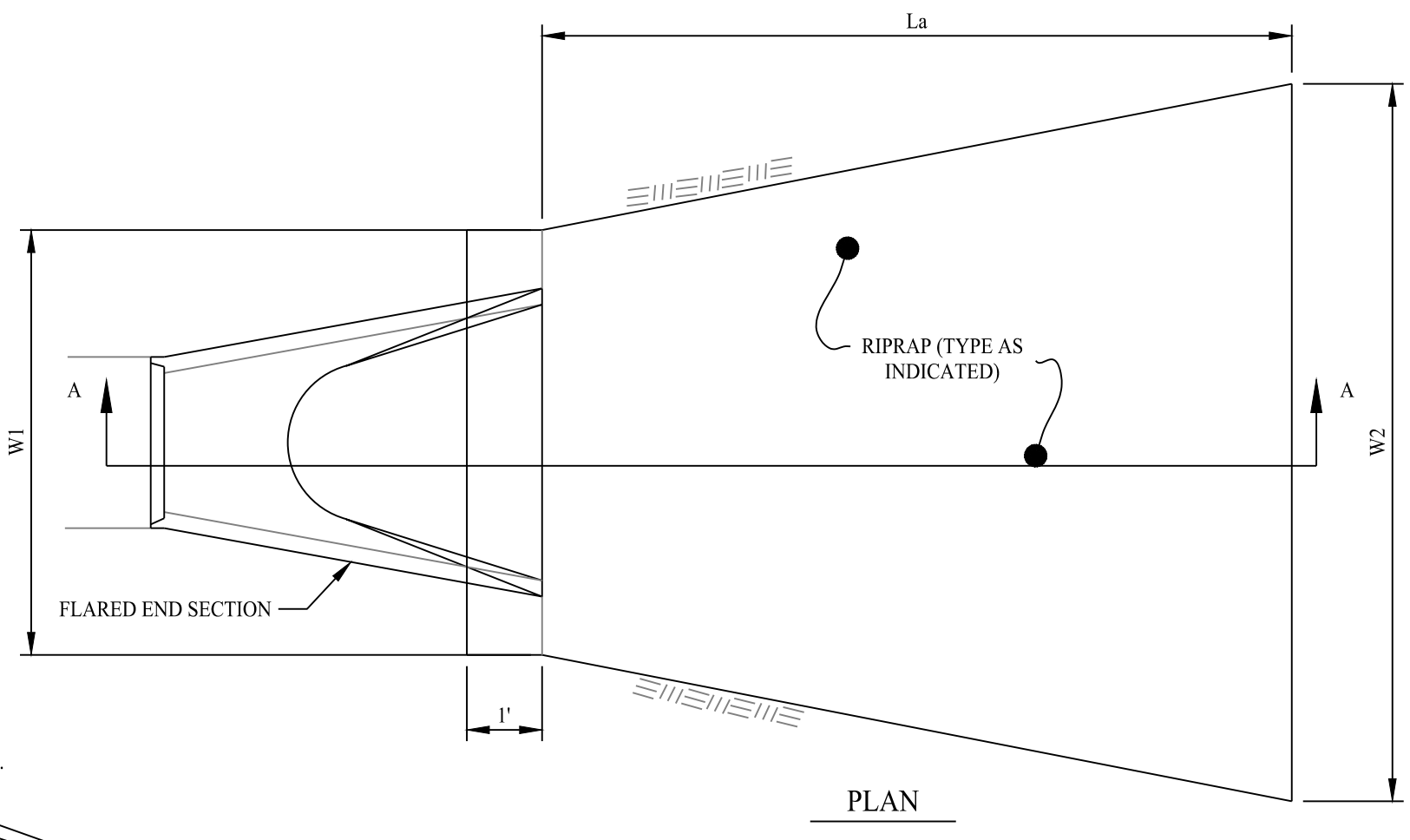


- NOTES:
- SUITABLE BACKFILL TO BE COMPACTED TO 95% MAX. DRY DENSITY IN LIFTS (6" TYPICAL) PER ASTM D1557/AASHTO T-99.
 - SPECIAL FOUNDATION MAY BE REQUIRED AS DIRECTED BY CIVIL ENGINEER IN AREAS OF PEAT OR UNSUITABLES.
 - TRENCH SUPPORT SYSTEMS TO BE USED PER OSHA STANDARDS.

STORM TRENCH SECTION DETAIL
SCALE: NTS



PIPE DIAMETER, in (mm)						
Diameter in (mm)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)
A	6.5 (165)	6.5 (165)	7.5 (191)	7.5 (191)	7.5 (191)	7.5 (191)
B (max)	10.0 (254)	10.0 (254)	15.0 (381)	18.0 (475)	22.0 (559)	25.0 (635)
H	6.5 (165)	6.5 (165)	6.5 (165)	6.5 (165)	8.6 (218)	8.6 (218)
L	25.0 (635)	25.0 (635)	32.0 (813)	36.0 (914)	58.0 (1473)	58.0 (1473)
W	29.0 (737)	29.0 (737)	35.0 (889)	45.0 (1143)	63.0 (1600)	63.0 (1600)



OUTLET	La	W1	W2	RIPRAP
O-1	8'	2.4'	8'	MODIFIED

RIPRAP TYPE	"T" (INCHES)
MODIFIED	12
INTERMEDIATE	18
STANDARD	36

FLARED END SECTION DETAILS
SCALE: NTS
DETAIL PER ADVANCED DRAINAGE SYSTEMS, INC.

NEW ENGLAND WETLAND PLANTS, INC
 14 Pearl Lane South Hadley, MA 01075
 PHONE: 413-548-8000 FAX 413-549-4000
 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

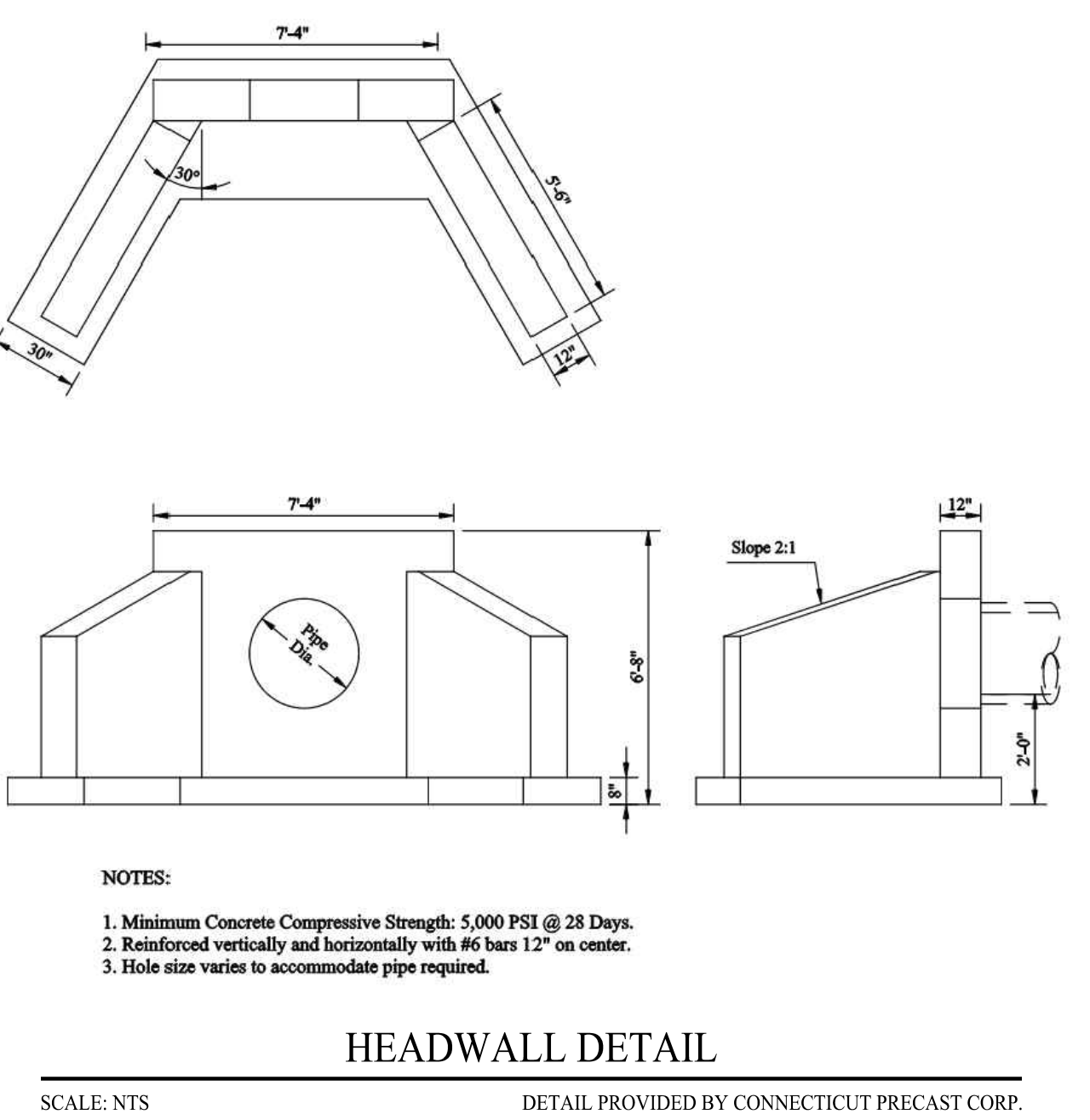
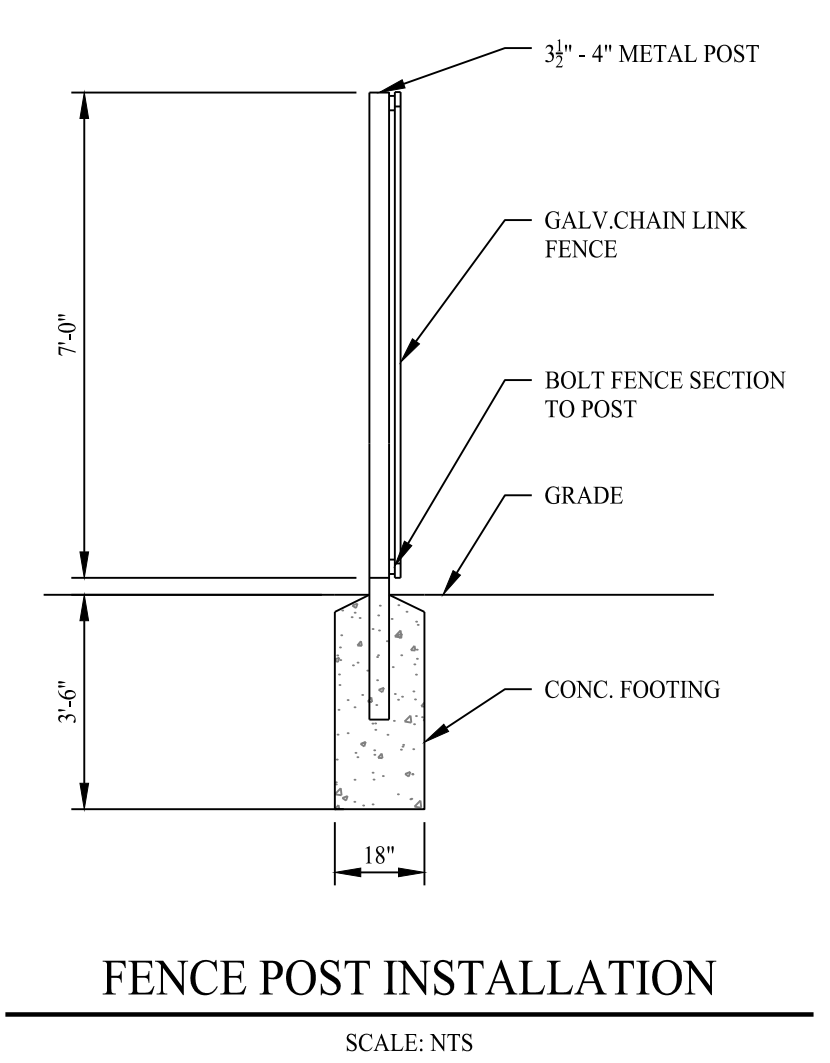
Botanical Name	Common Name	Indicator
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Vernonia noveboracensis</i>	New York Ironweed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

APPLY: 35 LBS/ACRE -1250 sq ft/lb

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed-to-soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

NEW ENGLAND EROSION CONTROL / RESTORATION SEED MIX DETAIL
SCALE: NTS
DETAIL PROVIDED BY ERNST SEEDS



HEADWALL DETAIL
SCALE: NTS
DETAIL PROVIDED BY CONNECTICUT PRECAST CORP.

Rev. #:	Date	Description
1	05/14/26	Revised Per CSC Interrogatories



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Drawn By:	ADH
Checked By:	EEL
Approved By:	KMS
Project #:	24112901
Plan Date:	02/20/26
Scale:	NTS



Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 40 OLD COLCHESTER ROAD
 SALEM, CONNECTICUT

Sheet Title:	CONSTRUCTION DETAILS
Sheet #:	3.01



GENERAL NOTES

- UNLESS NOTED OTHERWISE, EXISTING AND PROPOSED CONDITIONS INFORMATION TAKEN FROM A DRAWING PREPARED BY SOLLI ENGINEERING, LLC.
- PROPOSED PLANTING INFORMATION PROVIDED BY WILLIAM KENNY ASSOCIATES LLC.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPERTY BOUNDARY
- TOWN BOUNDARY LINE
- EXISTING WALL
- EXISTING FENCE
- PROPOSED 7' CHAIN LINK FENCE
- EXISTING UTILITIES
- PROPOSED UTILITIES
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED SOLAR PHOTOVOLTAIC ARRAY
- APPROXIMATE LOCATION OF INDIVIDUAL APOCYNUM CANNABINUM TO BE RELOCATED OUTSIDE OF LIMIT OF DISTURBANCE
- PROPOSED APOCYNUM CANNABINUM RELOCATION AREA
- PROPOSED PLANTING AREA A (ROOTED)
- PROPOSED PLANTING AREA A (SEEDED)
- PROPOSED PLANTING AREA B
- PROPOSED PLANTING AREA C
- PROPOSED PLANTING AREA D

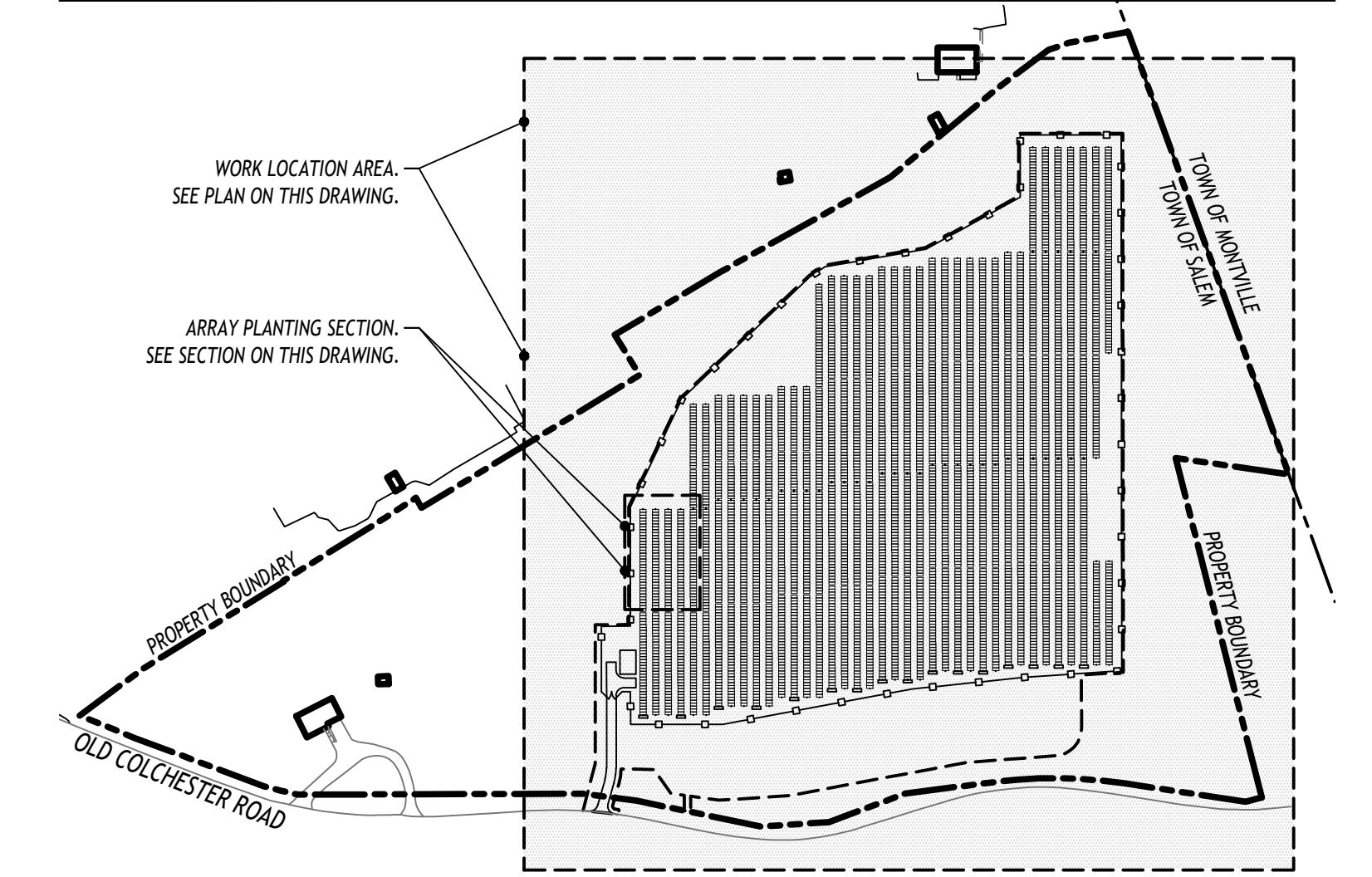
NATIVE POLLINATOR MEADOW OBJECTIVES AND ESTABLISHMENT APPROACH

- THIS PLAN WAS DEVELOPED IN ACCORDANCE WITH THE REPORT TITLED FINAL POLLINATOR REPORT AND RECOMMENDATIONS FOR 40 OLD COLCHESTER ROAD SOLAR INSTALLATION ISSUED AUGUST 14, 2025 BY CONSULTING ENTOMOLOGIST TRACY ZARRILLO.
- THE PURPOSE OF THE PLAN IS TO SATISFY ZARRILLO'S RECOMMENDATIONS PERTAINING TO BOTH THE EXISTING AND THE PROPOSED ONSITE MEADOW HABITAT AS IT RELATES TO THE SUCCESS OF STATE LISTED OIL-BEES.
- SPECIFICALLY THESE BEES INCLUDE THE STATE ENDANGERED MACROPIS CUCKOO AND THE STATE SPECIES OF SPECIAL CONCERN, THE FRINGED LOOSESTRIFE OIL-BEE. FIELD SURVEYS CONCLUDED THAT WHILE NO INDIVIDUALS OF THESE SPECIES WERE DIRECTLY OBSERVED ONSITE, IT IS POSSIBLE THEY INHABIT THE SITE. AS SUCH, TO PROTECT INDIVIDUALS OF THESE SPECIES WHICH MAY UTILIZE THE SITE, THIS PLAN INCORPORATES BEST MANAGEMENT PRACTICES RECOMMENDED BY THE CT DEEP NATURAL DIVERSITY DATABASE PROGRAM (NDDB) AND CONSULTING ENTOMOLOGIST TRACY ZARRILLO.
- THE PLAN SEEKS TO AVOID ADVERSE IMPACTS TO THE ABOVEMENTIONED OIL-BEE SPECIES THROUGH THE FOLLOWING OBJECTIVES:
- CONTROL THE EXISTING POPULATION OF INVASIVE MUGWORT LOCATED OUTSIDE THE PROJECTS PROPOSED LIMIT OF DISTURBANCE (LOD).
- RELOCATE THE FOUR (4) IDENTIFIED EXISTING POPULATIONS OF APOCYNUM CANNABINUM TO AN AREA OUTSIDE THE PROJECTS PROPOSED LOD.
- INSTALL SELECT NATIVE HERBACEOUS AND FLOWERING PLANTS BETWEEN THE ROWS OF SOLAR PANELS.
- PLANT HOMOGENEOUS ROWS OR CLUMPS OF SELECT NATIVE VEGETATION TO BETTER ATTRACT POLLINATORS.
- THE ROWS OF HOMOGENEOUS NATIVE VEGETATION SHALL NOT BE LIMITED TO SEEDED FLORA, BUT SHALL ALSO INCLUDE A HEALTHY POPULATION OF ROOTED FLORA TO QUICKLY ESTABLISH STRONG AND HEALTHY NATIVE FLOWERING FLORA POPULATIONS.
- INSTALL A POPULATION OF SOMEWHAT SHADE TOLERANT NATIVE SEDGES, FERNS, AND FLOWING PLANTS TO VEGETATE AREAS BENEATH THE PROPOSED SOLAR PANELS.
- MAINTAIN ADEQUATE PERIMETER FENCING AROUND THE INSTALLED VEGETATION TO PREVENT DEER-BROWSING.
- WHERE POSSIBLE, MAINTAIN EXISTING POPULATIONS OF TREE AND SHRUB SPECIES.

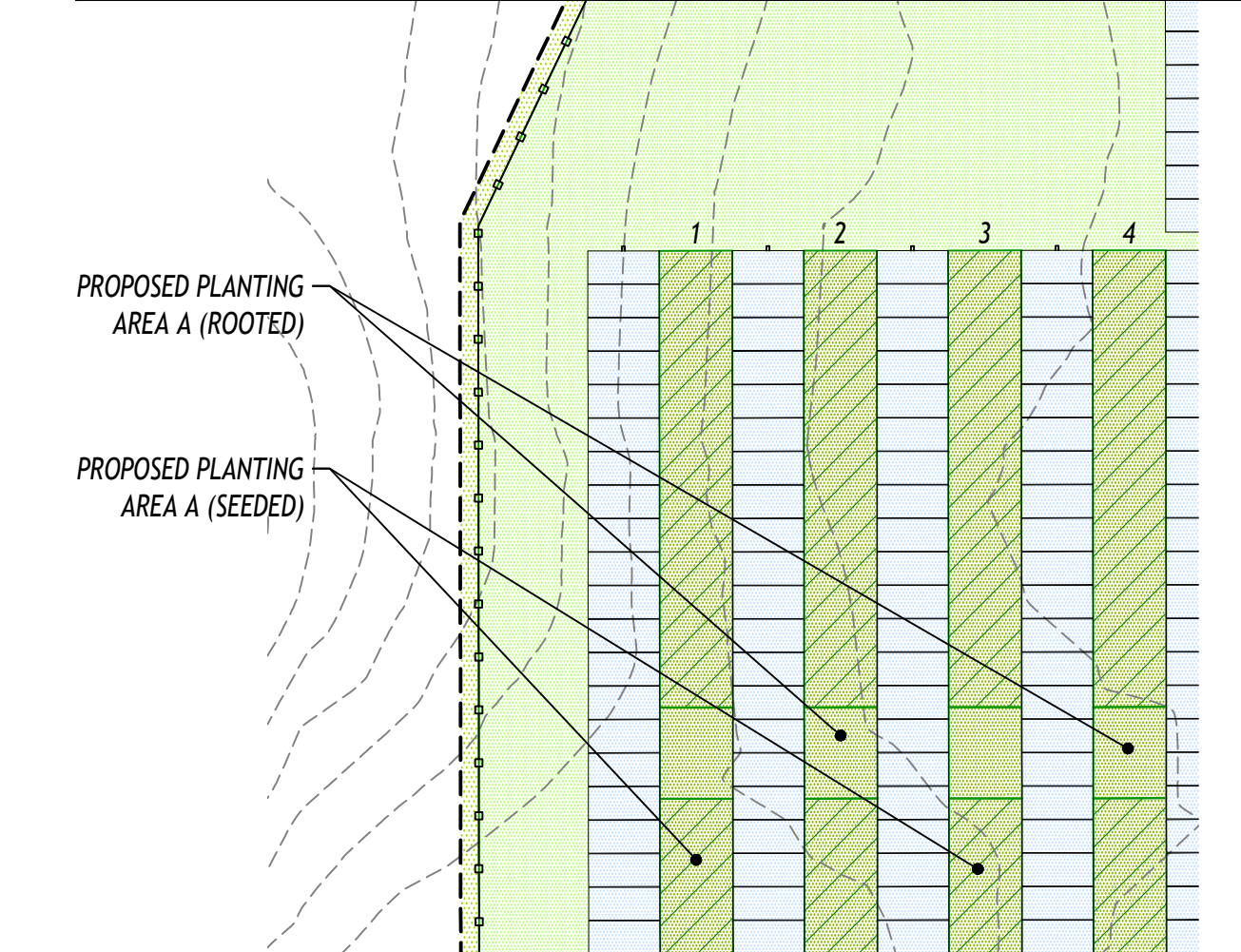
PLANT LIST

SYM.	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT
PROPOSED PLANTING AREA A - ROOTED					
ROW 1	102	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	2" PLUG	CONTAINER
ROW 2	108	MONARDA TITULOSA	WILD BERGAMONT	2" PLUG	CONTAINER
ROW 3	108	SYMPHYOTRICHUM LANCEOLATUM	PANICLED ASTER	2" PLUG	CONTAINER
ROW 4	108	SOLIDAGO BICOLOR	WHITE GOLDENROD	2" PLUG	CONTAINER
ROW 5	120	SOLIDAGO MEMORIALIS	OLD FIELD GOLDENROD	2" PLUG	CONTAINER
ROW 6	120	SOLIDAGO ODORA	SWEET GOLDENROD	2" PLUG	CONTAINER
ROW 7	144	VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED SOUTHERN CROSS	2" PLUG	CONTAINER
ROW 8	84	PENSTEMON DIGITALIS	FOXGLOVE BEARDTONGUE	2" PLUG	CONTAINER
ROW 9	84	LYSIMACHIA QUADRIFOLIA	WHORLED LOOSESTRIFE	2" PLUG	CONTAINER
ROW 10	84	APOCYNUM CANNABINUM	INDIAN HEMP	2" PLUG	CONTAINER
TOTAL	1,032				
PROPOSED PLANTING AREA A - SEEDED					
ROW 1		ASCLEPIAS TUBEROSA	BUTTERFLY WEED		
ROW 2		MONARDA TITULOSA	WILD BERGAMONT		
ROW 3		SYMPHYOTRICHUM LANCEOLATUM	PANICLED ASTER		
ROW 4		SOLIDAGO BICOLOR	WHITE GOLDENROD		
ROW 5		SOLIDAGO MEMORIALIS	OLD FIELD GOLDENROD		
ROW 6		SOLIDAGO ODORA	SWEET GOLDENROD		
ROW 7		VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED SOUTHERN CROSS		
ROW 8		PENSTEMON DIGITALIS	FOXGLOVE BEARDTONGUE		
ROW 9		LYSIMACHIA QUADRIFOLIA	WHORLED LOOSESTRIFE		
ROW 9		APOCYNUM CANNABINUM	INDIAN HEMP		
PROPOSED PLANTING AREA B					
A SEED MIX CONSISTING OF 70% CAREX ALBICANS (WHITE-TINGED SEDGE), 15% DENNSTAEDIA PUNCTIOBLA (EASTERN HAY SCENTED FERN) AND 15% VIOLA ADUNCA (DOG VIOLET).					
PROPOSED PLANTING AREA C					
NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOST SITES* AS PRODUCED BY NEW ENGLAND WETLAND PLANTS (WWW.NEWP.COM). APPLIED AT A RATE OF 1LB/1,250 SQUARE FEET.					
PROPOSED PLANTING AREA D					
ERINAX - 15% LOW-GROWING WILDFLOWER & GRASS MIX* AS PRODUCED BY ERNST SEEDS (WWW.ERNSTSEED.COM). APPLIED AT A RATE OF 25-40LBS/ACRE.					

WORK LOCATION MAP



ARRAY / AREA A - TYPICAL PLANTING PLAN



NATIVE POLLINATOR MEADOW PLANTING PLAN

PREPARED FOR:
TRITEC AMERICAS
LOCATION:
**40 OLD COLCHESTER ROAD
SALEM, CONNECTICUT**

DATE: 04/14/2026 - 1
05/11/2026 - 2
SCALE: AS NOTED
REF NO. 6138

