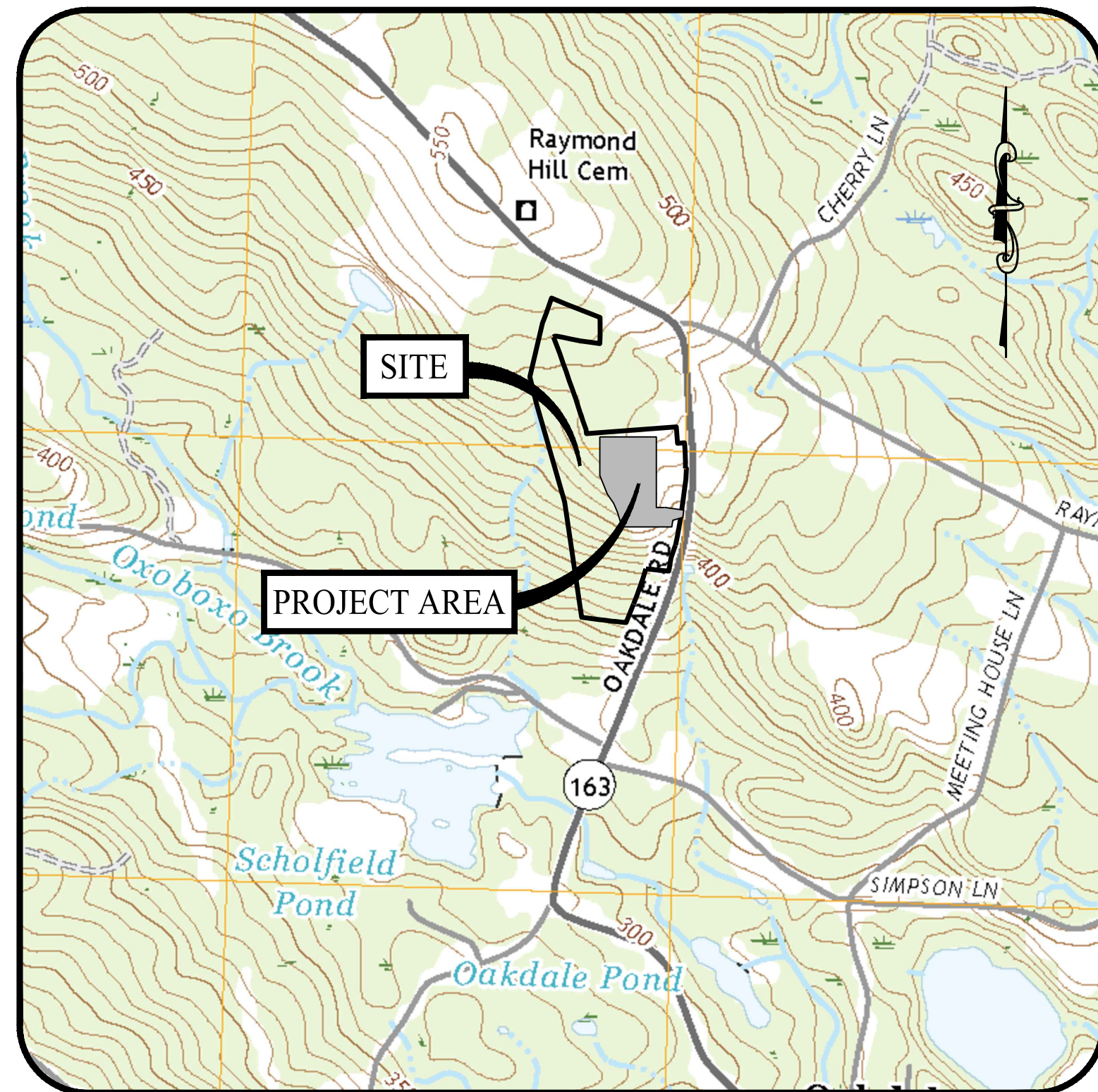


Appendix B: Site Plans

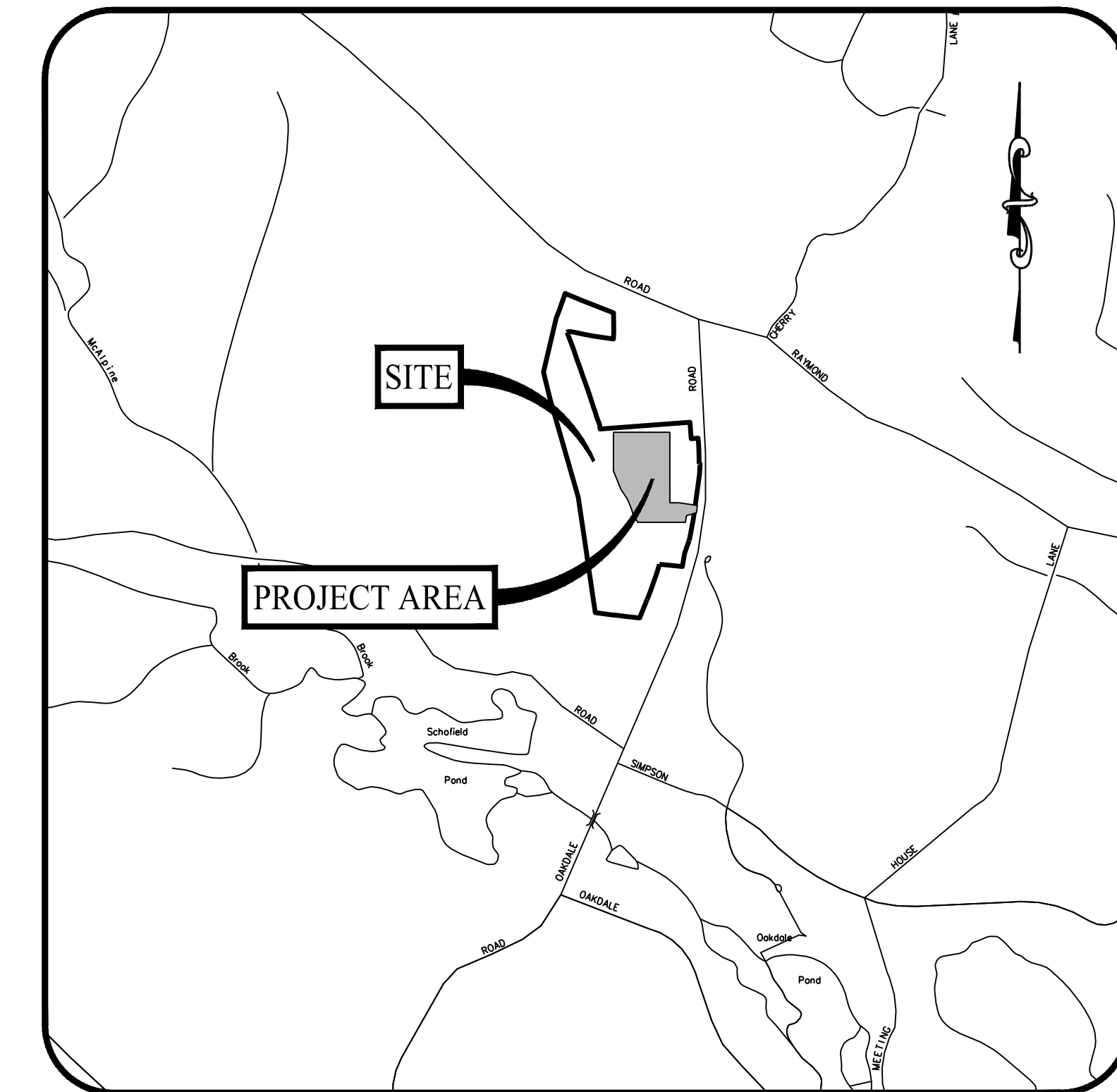


USGS MAP

SCALE: 1" = 1,000'

PROPOSED SOLAR PHOTOVOLTAIC ARRAY

958 CT ROUTE 163
MONTVILLE, CONNECTICUT



LOCATION MAP

SCALE: 1" = 1,000'

PREPARED FOR:



888 PROSPECT STREET, SUITE 200
LA JOLLA, CALIFORNIA

PREPARED BY:



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



OWNER

DEAN FISKE
THE NEVAR COMPANY
677 S. MAIN STREET
CHESHIRE, CONNECTICUT 06410
(203) 410-7827

APPLICANT

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

PROPERTY INFORMATION

ADDRESS: 958 CT ROUTE 163, MONTVILLE, CT
MAP-BLOCK-LOT: 046-008-000
ZONE: R120
AREA: 429.65 AC
BOOK/PAGE: 0674/0282

SOIL SCIENTIST

WILLIAM KENNY, CPWS, PLA, ASLA
WILLIAM KENNY ASSOCIATES
195 TUNXIS 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

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

DGT ASSOCIATES, INC
148 ROUTE 2
PRESTON, CONNECTICUT 06365
(860) 899-1999

DRAWING LIST

SHEET #	SHEET NAME	PLAN DATE	LATEST REVISION
0.00	COVER SHEET	09/30/23	N/A
1 OF 2	PROPERTY & TOPOGRAPHIC SURVEY	03/2023	N/A
2 OF 2	PROPERTY & TOPOGRAPHIC SURVEY	03/2023	N/A
2.10	OVERALL SITE LAYOUT PLAN	09/30/23	N/A
2.11	SITE LAYOUT PLAN	09/30/23	N/A
2.21	GRADING & DRAINAGE PLAN	09/30/23	N/A
2.31	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE I	09/30/23	N/A
2.32	SOIL EROSION & SEDIMENT CONTROL PLAN - PHASE II	09/30/23	N/A
2.41	SOIL EROSION & SEDIMENT CONTROL DETAILS	09/30/23	N/A
3.01	CONSTRUCTION DETAILS	09/30/23	N/A
3.02	CONSTRUCTION DETAILS	09/30/23	N/A

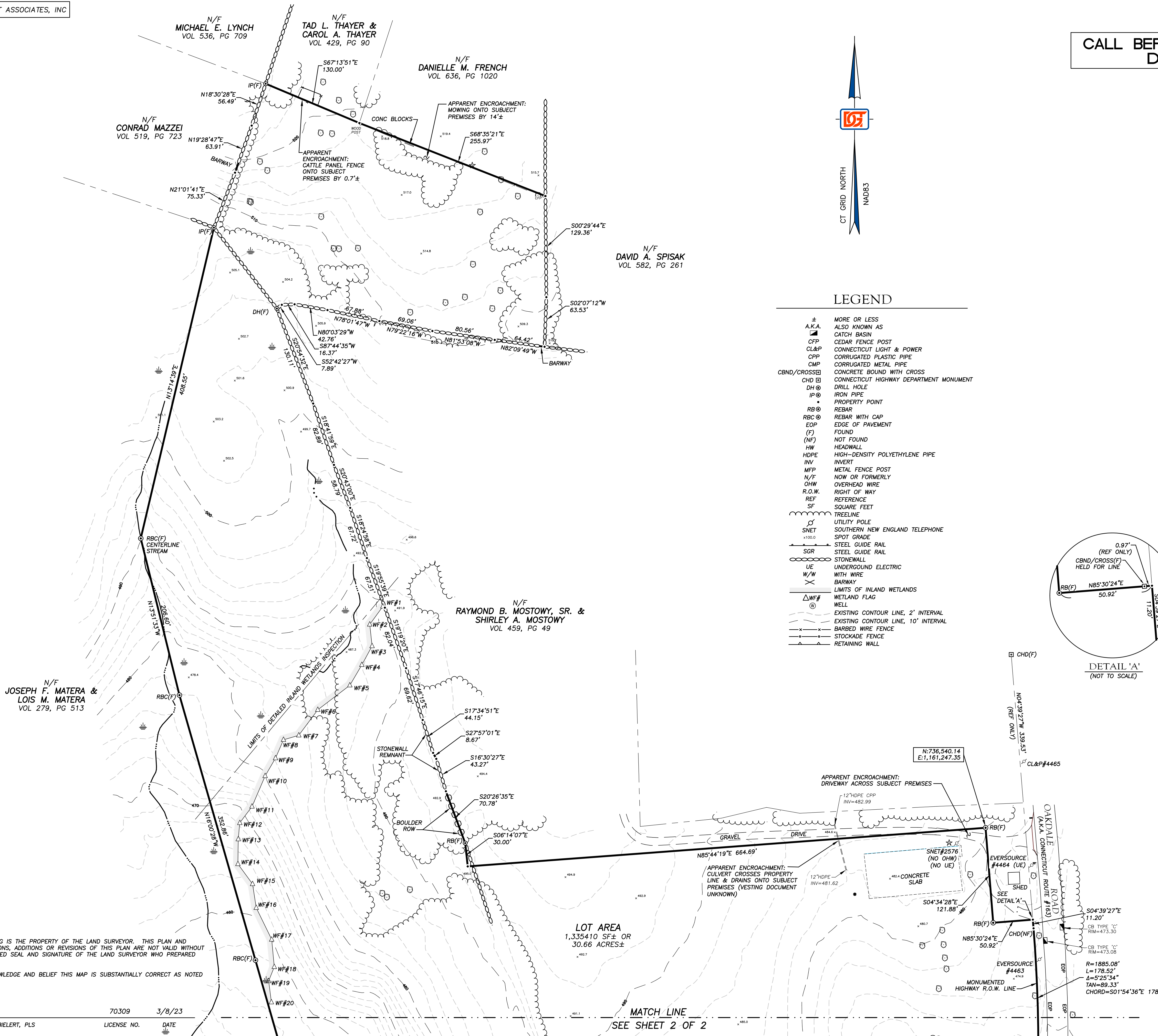
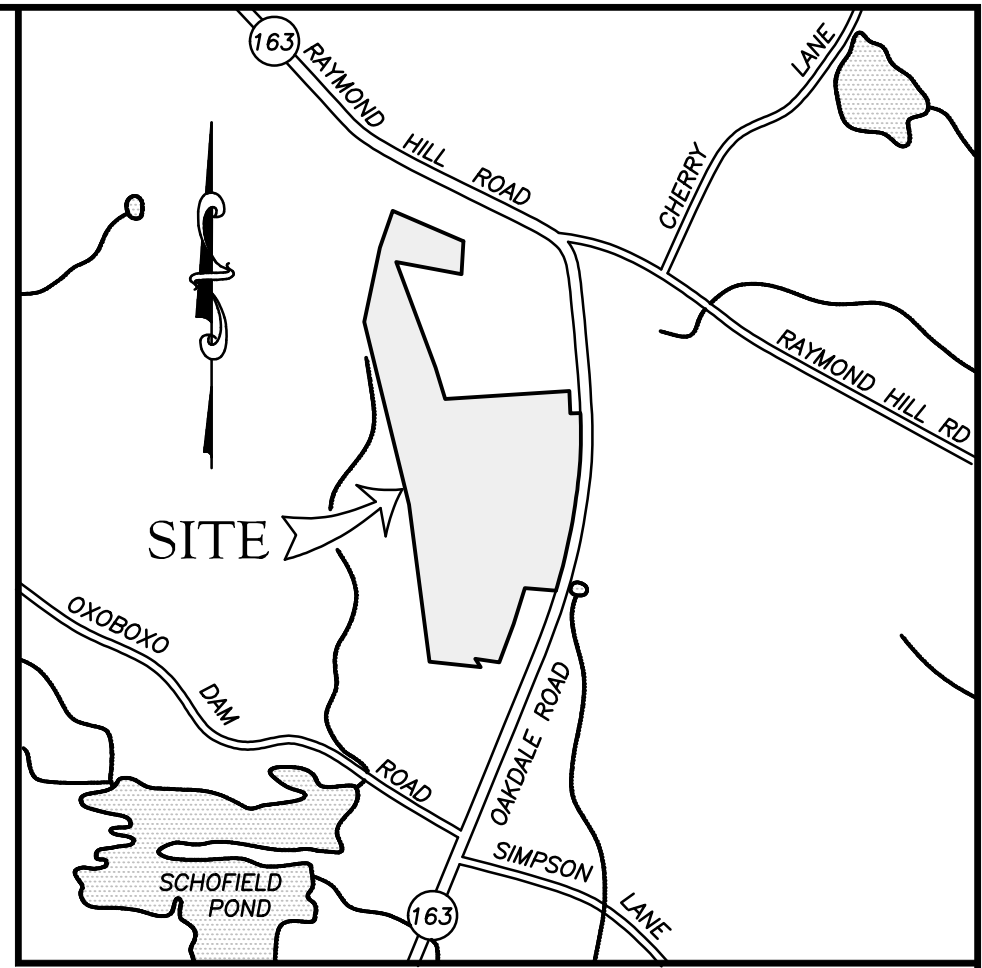
Rev. #: Date Description

Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
958 CT ROUTE 163
MONTVILLE, CONNECTICUT

Sheet Title: Sheet #:

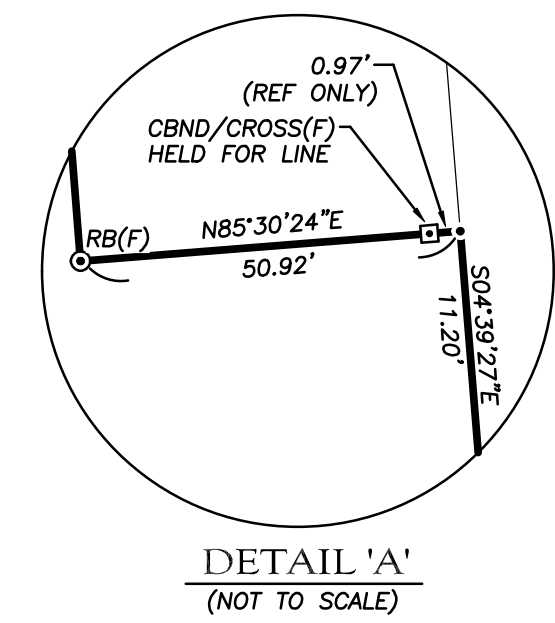
COVER SHEET 0.00

CALL BEFORE YOU DIG!
DIAL 811

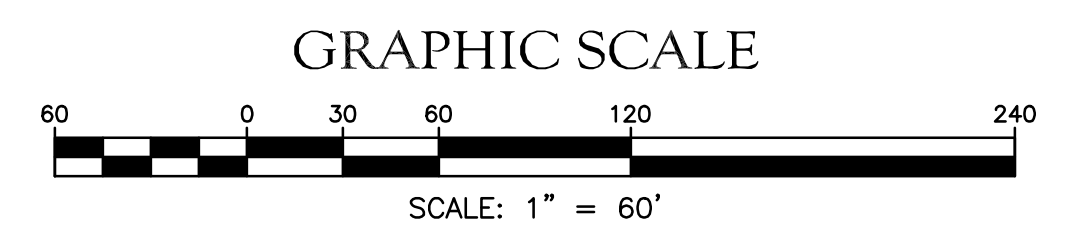


LEGEND

±	MORE OR LESS
A.K.A.	ALSO KNOWN AS
☐	CATCH BASIN
CFP	CEDAR FENCE POST
CL&P	CONNECTICUT LIGHT & POWER
CPP	CORRUGATED PLASTIC PIPE
CMP	CORRUGATED METAL PIPE
CBND/CROSS	CONCRETE BOUND WITH CROSS
CHD	CONNECTICUT HIGHWAY DEPARTMENT MONUMENT
DH	DRILL HOLE
IP	IRON PIPE
•	PROPERTY POINT
RB	REBAR
RBC	REBAR WITH CAP
EOP	EDGE OF PAVEMENT
(F)	FOUND
(NF)	NOT FOUND
HW	HEADWALL
HDPE	HIGH-DENSITY POLYETHYLENE PIPE
INV	INVERT
MFP	METAL FENCE POST
N/F	NOW OR FORMERLY
OHW	OVERHEAD WIRE
R.O.W.	RIGHT OF WAY
REF	REFERENCE
SF	SQUARE FEET
—	TREELINE
☉	UTILITY POLE
SNET	SOUTHERN NEW ENGLAND TELEPHONE
+100.0	SPOT GRADE
—	STEEL GUIDE RAIL
SGR	STEEL GUIDE RAIL
—	STONEWALL
UE	UNDERGROUND ELECTRIC
W/W	WITH WIRE
—	BARWAY
ΔWF#	LIMITS OF INLAND WETLANDS
⊙	WETLAND FLAG
—	EXISTING CONTOUR LINE, 2' INTERVAL
—	EXISTING CONTOUR LINE, 10' INTERVAL
—	BARBED WIRE FENCE
—	STOCKADE FENCE
—	RETAINING WALL



- REFERENCE NOTES**
- THIS MAP AND SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS", ADOPTED EFFECTIVE JUNE 21, 1996, REVISED OCTOBER 26, 2018. IT IS A PERIMETER SURVEY CONFORMING TO HORIZONTAL ACCURACY "CLASS A-2" STANDARDS. THE BOUNDARY DETERMINATION CATEGORY IS A "RISURVEY". TOPOGRAPHIC INFORMATION HAS BEEN OBTAINED FROM GOLDEN AERIAL SURVEYS AND CONFORMS TO TOPOGRAPHIC ACCURACY "CLASS T-3". REFERENCE MAY BE MADE TO NORTH AMERICAN DATUM OF 1983 (NAD 83) AND THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 - REFERENCE MAY BE MADE TO THE FOLLOWING DEEDS RECORDED IN THE TOWN OF MONTVILLE LAND RECORDS:
VOLUME: 674 PAGES: 282-285 TYPE: WARRANTY
GRANTOR: RAYMOND B. MOSTOWY, SR. & SHIRLEY A. MOSTOWY
GRANTEE: THE NEVAK COMPANY
DATE EXECUTED: AUG. 26, 2021 DATE RECORDED: AUG. 27, 2021
 - REFERENCE MAY BE MADE TO THE FOLLOWING PLANS:
A) "PLAN SHOWING DIVISION OF LAND OF ESTATE OF AARON KIRSCH, ROUTE 163 MONTVILLE, CONN. JULY 1936, SCALE: 1"=40'."
B) "PROPERTY OF RAYMOND B. & SHIRLEY MOSTOWY, ROUTE NO. 163, MONTVILLE, CONN. SCALE: 1"=40', JUNE 1974."
C) "MOSTOWY ONE LOT SUBDIVISION, LAND OF RAYMOND & MARY MOSTOWY, ROUTE 163 MONTVILLE, CONN. SCALE: 1"=40', DATE: AUG 1986"
D) "MOSTOWY SUBDIVISION PROPERTY OF RAYMOND & MARY J. MOSTOWY, OWNER AND SUBDIVIDER, ROUTE 163 MONTVILLE, CONN. SCALE: 1"=40', DATE: 2-6-89"
E) "BOUNDARY LINE ADJUSTMENT PLAN PREPARED FOR RAYMOND B. MOSTOWY SR., CONNECTICUT ROUTE 163 (RAYMOND HILL ROAD) MONTVILLE, CONN. SCALE: 1"=100', DATE: 2-23-2018"
F) "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF MONTVILLE, RAYMOND HILL ROAD FROM THE NORWICH - HADLYME ROAD SO. EASTERLY TO OXOBOXO BROOK, ROUTE NO. 163, NUMBER: 85-02, SHEET 5 OF 6, SCALE: 1"=40', DATE: 12-31-36"
G) "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF MONTVILLE, RAYMOND HILL ROAD FROM THE NORWICH - HADLYME ROAD SO. EASTERLY TO OXOBOXO BROOK, ROUTE NO. 163, NUMBER: 85-02, SHEET 4 OF 6, SCALE: 1"=40', DATE: 12-31-36"
 - WETLANDS WERE DELINEATED BY JAMES M. MCMANUS, MS, CPSS ON JANUARY 26, 2023.
 - SAID PARCEL IS TOGETHER WITH AND SUBJECT TO SUCH RIGHTS AS MAY APPEAR OF RECORD.
 - UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING, PAROLE TESTIMONY AND OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE EXISTENCE OF WHICH ARE UNKNOWN TO DGT ASSOCIATES. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY FUTURE CONSTRUCTION ACTIVITY. CALL BEFORE YOU DIG AT 1-800-922-4455.
 - MINOR IRREGULARITIES MAY EXIST BETWEEN STONE WALLS AND/OR FENCE LINES AND PRINCIPAL COURSES DEPICTED HEREON.
 - LAND RECORDS RESEARCH COMPLETED ON JANUARY 23, 2023.
 - FIELD WORK COMPLETED ON FEBRUARY 24, 2023.
 - ALL MONUMENTATION FOUND OR SET IS DEPICTED HEREON.



PROPERTY & TOPOGRAPHIC SURVEY
958 OAKDALE ROAD (A.K.A. CONNECTICUT ROUTE 163)
MONTVILLE, CONNECTICUT
PREPARED FOR
SOLLI ENGINEERING

PREPARED BY:
DGT Associates
Land Surveyors
Preston, Connecticut
Boston • Worcester • Framingham
148 Route 2 - Preston, CT 06365
860-899-1999 www.DGTassociates.com

THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN.
"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

70309 3/8/23
ROBERT E. BIELERT, PLS LICENSE NO. DATE

LOT AREA
1,335,410 SF ± OR
30.66 ACRES ±

MATCH LINE
SEE SHEET 2 OF 2



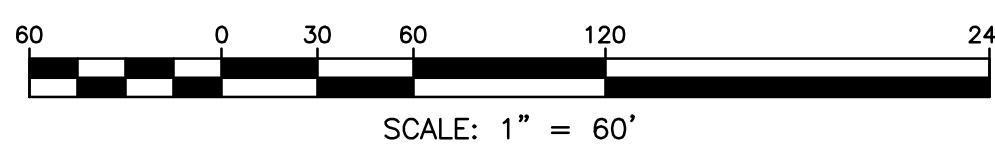
SEE SHEET 1 OF 2
MATCH LINE

CALL BEFORE YOU DIG!
DIAL 811

LEGEND

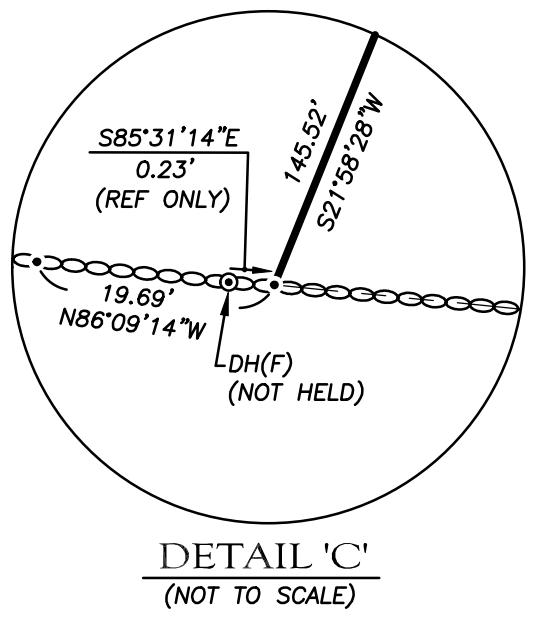
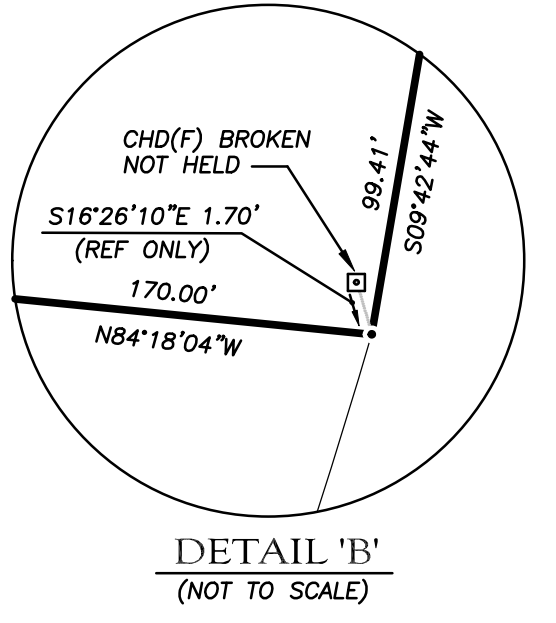
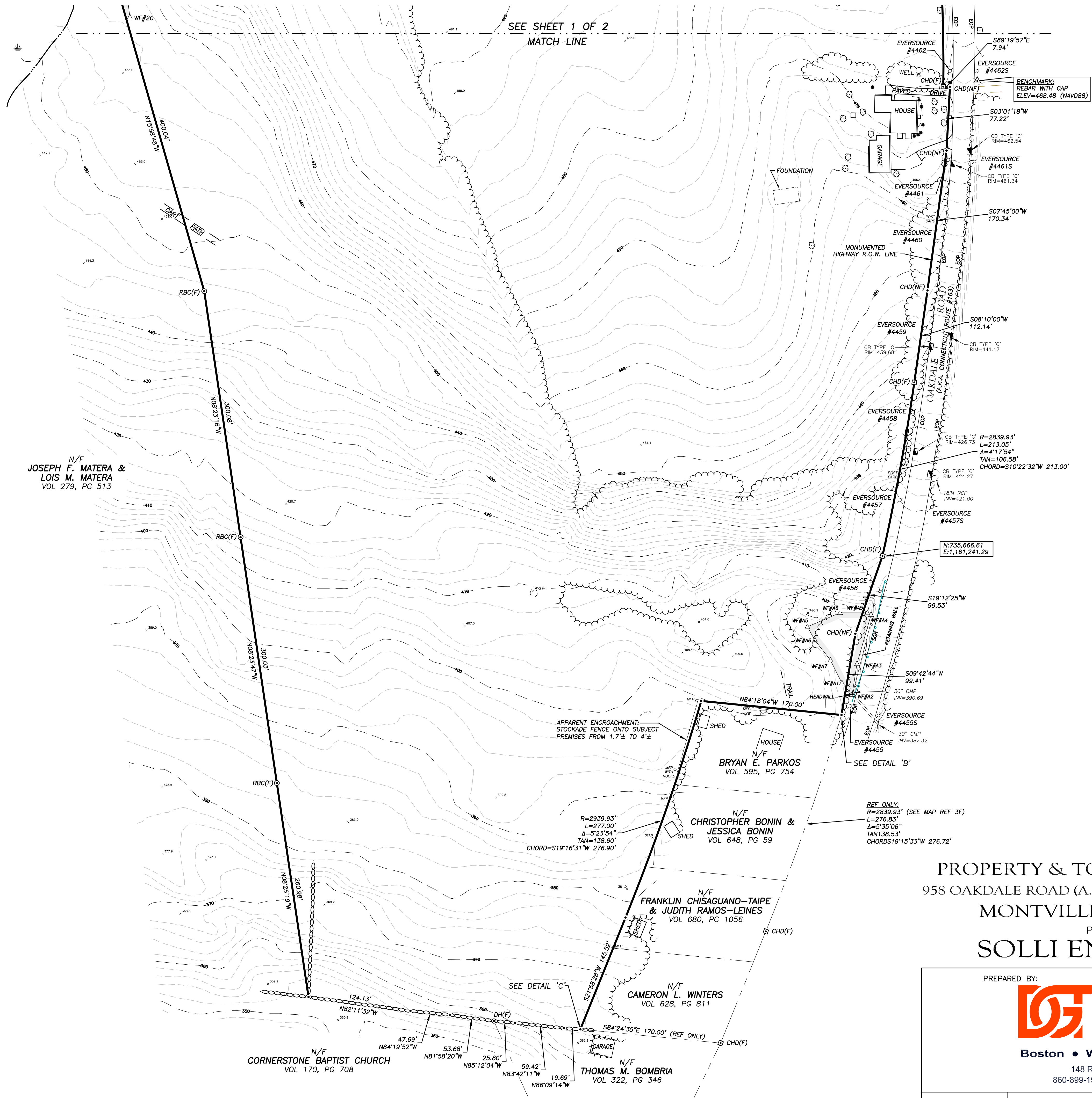
- ± MORE OR LESS
- A.K.A. ALSO KNOWN AS
- CBP CATCH BASIN
- CL&P CEDAR FENCE POST
- CL&P CONNECTICUT LIGHT & POWER
- CPP CORRUGATED PLASTIC PIPE
- CMP CORRUGATED METAL PIPE
- CBND/CROSS CONCRETE BOUND WITH CROSS
- CHD CONNCTICUT HIGHWAY DEPARTMENT MONUMENT
- DH DRILL HOLE
- IP IRON PIPE
- PROPERTY POINT
- RB REBAR
- RBC REBAR WITH CAP
- EOP EDGE OF PAVEMENT
- (F) FOUND
- (NF) NOT FOUND
- HW HEADWALL
- HDPE HIGH-DENSITY POLYETHYLENE PIPE
- INV INVERT
- MFP METAL FENCE POST
- N/F NOW OR FORMERLY
- OHV OVERHEAD WIRE
- R.O.W. RIGHT OF WAY
- REF REFERENCE
- SF SQUARE FEET
- TREELINE
- UTILITY POLE
- SNET SOUTHERN NEW ENGLAND TELEPHONE
- SPOT GRADE
- SGR STEEL GUIDE RAIL
- SGR STEEL GUIDE RAIL
- STONEWALL
- UE UNDERGROUND ELECTRIC
- W/W WITH WIRE
- BARWAY
- LIMITS OF INLAND WETLANDS
- ΔWF# WETLAND FLAG
- WELL
- EXISTING CONTOUR LINE, 2' INTERVAL
- EXISTING CONTOUR LINE, 10' INTERVAL
- × BARBED WIRE FENCE
- STOCKADE FENCE
- RETAINING WALL

GRAPHIC SCALE



THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN.
"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

70309 3/8/23
ROBERT E. BIELERT, PLS LICENSE NO. DATE



PROPERTY & TOPOGRAPHIC SURVEY
958 OAKDALE ROAD (A.K.A. CONNECTICUT ROUTE 163)
MONTVILLE, CONNECTICUT
PREPARED FOR
SOLLI ENGINEERING

PREPARED BY:

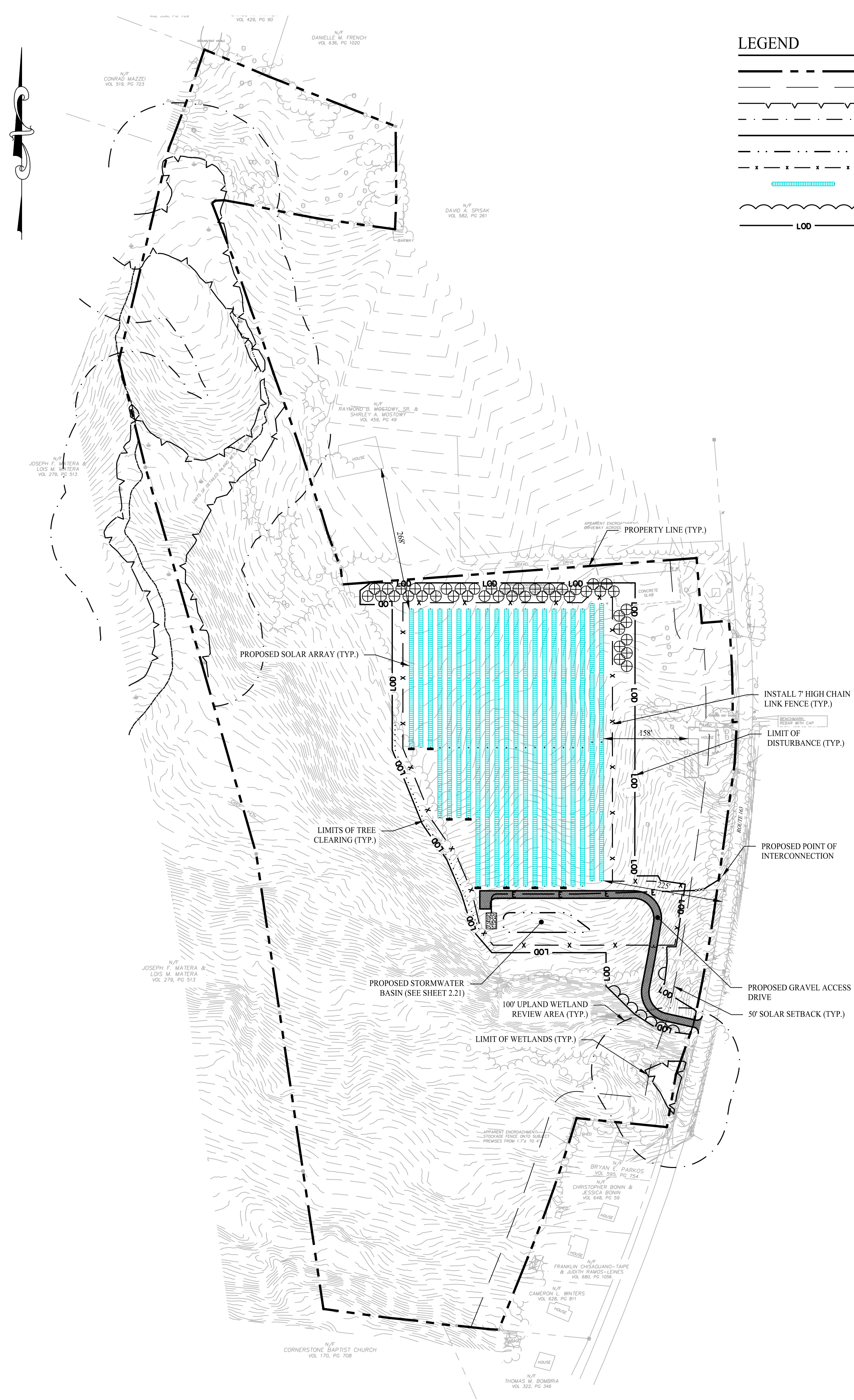


DGT Associates
Land Surveyors
Preston, Connecticut
Boston • Worcester • Framingham

148 Route 2 - Preston, CT 06365
860-899-1999 www.DGTAssociates.com

SCALE: 1"=60' DATE: MARCH 2023 PROJECT NO: C1139 SHEET 2 OF 2

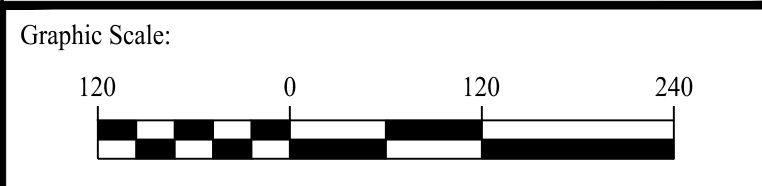
Nov 06, 2023 - 5:45pm Anthony
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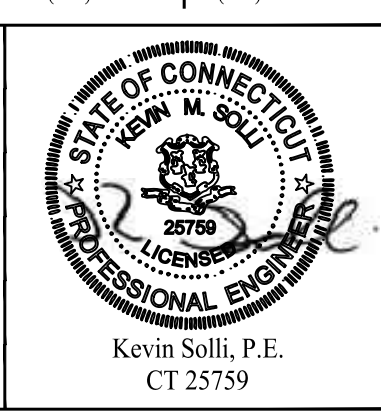
	PROPERTY LINE
	SOLAR SETBACK
	WETLAND LIMIT
	UPLAND REVIEW AREA - 100 FT BUFFER
	EDGE OF ACCESS DRIVE
	STORMWATER BASIN AREA
	CHAIN LINK FENCE
	TRINA 540W SOLAR MODULES
	LIMIT OF TREE CLEARING
	LIMIT OF DISTURBANCE

Rev. #:	Date	Description



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

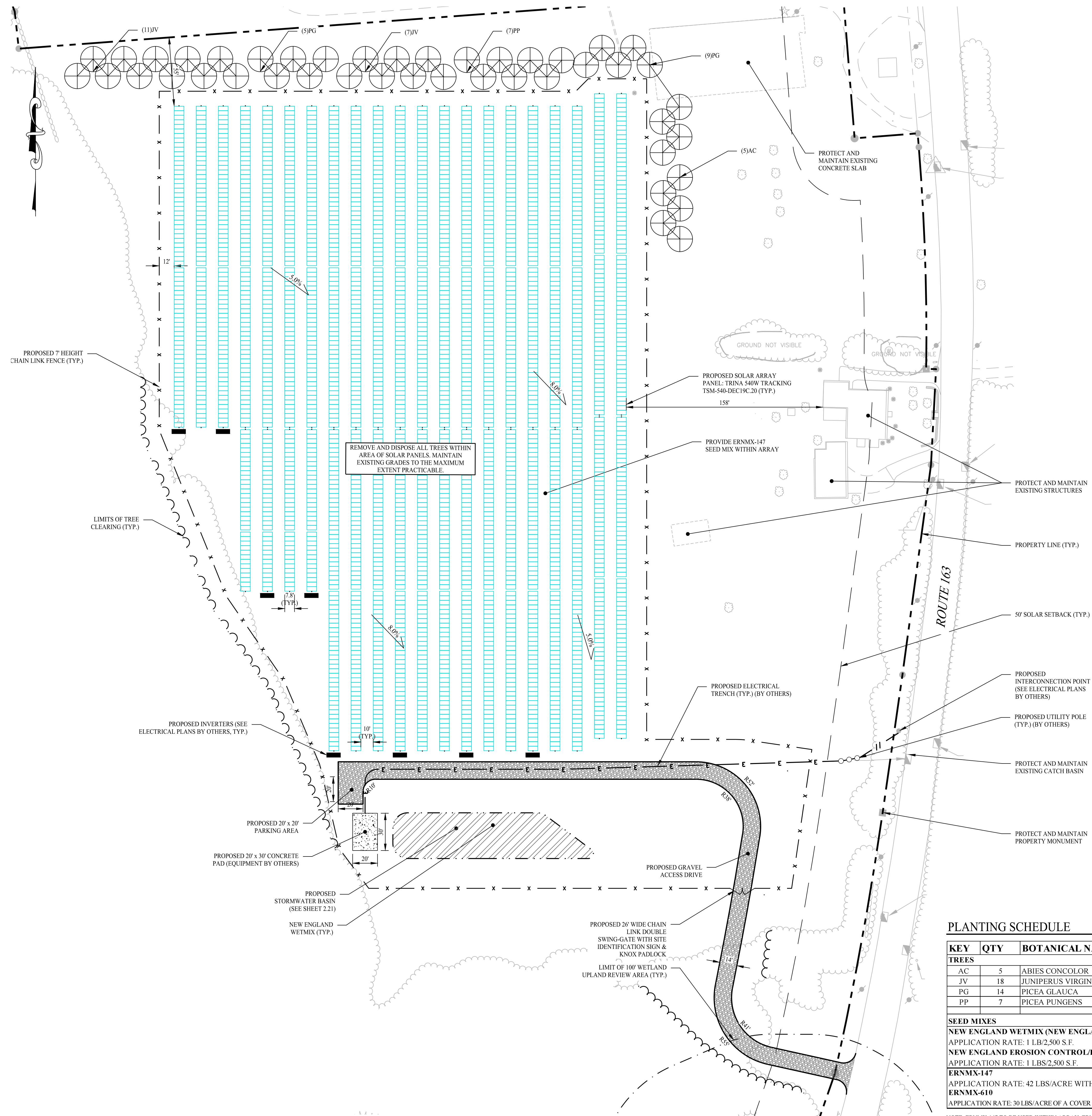
Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22109401
Plan Date:	09/30/23
Scale:	1" = 120'



Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 958 CT ROUTE 163
 MONTVILLE, CONNECTICUT

Sheet Title:	Sheet #:
OVERALL SITE LAYOUT PLAN	2.10

Nov 06, 2023 - 5:40pm Authority B:\S\F\Plan\Project Data\2023\22109401 - 958 Route 163 - Montville, CT\Cadd Data\22109401-2.11.dwg



LEGEND

- PROPERTY LINE
- SOLAR SETBACK LINE
- WETLAND UPLAND REVIEW AREA - 100 FT BUFFER
- STORMWATER BASIN AREA
- 7' TALL CHAIN LINK FENCE
- OVERHEAD ELECTRIC LINE (BY OTHERS)
- ELECTRIC CONDUIT (BY OTHERS)
- TRINA 540W SOLAR MODULES
- EVERGREEN TREE
- NEW ENGLAND WETMIX
- GRAVEL ROAD
- LIMITS OF TREE CLEARING
- CONCRETE PAD

- ### SITE PLAN 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. EXISTING BOUNDARY, TOPOGRAPHY AND SITE CONDITIONS INFORMATION TAKEN FROM A PLAN ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY OF 958 OAKDALE ROAD, MONTVILLE, CONNECTICUT", SCALE 1"=60', DATED: 03/2023, BY "DGT ASSOCIATES."
 2. ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF MONTVILLE STANDARDS, CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS, CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION STANDARDS, AND SPECIFICATIONS IN THE ABOVE REFERENCED INCREASING HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
 3. THE OWNER 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.
 4. 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.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
 9. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
 10. 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.
 11. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT (800) 922-4455 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.

SOLAR ARRAY SYSTEM INFORMATION

	TOTAL
SIZE DC	1,399 MW
SIZE AC	0,999 MW
INVERTER LOAD RATIO	1.40
MODULE TYPE	TRACKING TRINASOLAR TSM-540-DEG19C.20 (540W)
MODULE QUANTITY	2,590
INVERTER	SUNGROW SGI2SHV 125KW
INVERTER QUANTITY	8
UTILITY	EVERSOURCE

PLANTING SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	COMMENTS
TREES						
AC	5	ABIES CONCOLOR	CONCOLOR/WHITE FIR	B&B	8'-10' HT	FULL, EXTRA HEAVY
JV	18	JUNIPERUS VIRGINIA	EASTERN RED CEDAR	B&B	7'-8' HT	FULL, EXTRA HEAVY
PG	14	PICEA GLAUCA	WHITE SPRUCE	B&B	7'-8' HT	FULL, EXTRA HEAVY
PP	7	PICEA PUNGENS	COLORADO BLUE SPRUCE	B&B	3"- 3 1/2" CAL	FULL, EXTRA HEAVY
SEED MIXES						
NEW ENGLAND WETMIX (NEW ENGLAND WETLAND PLANTS, INC.)						
APPLICATION RATE: 1 LB/2,500 S.F.						
NEW ENGLAND EROSION CONTROL/RESTORATION NO MOW MIX (NEW ENGLAND WETLAND PLANTS, INC.)						
APPLICATION RATE: 1 LBS/2,500 S.F.						
ERNMX-147						
APPLICATION RATE: 42 LBS/ACRE WITH A COVER CROP OF ANNUAL RYEGRASS AT 12 LBS/ACRE						
ERNMX-610						
APPLICATION RATE: 30 LBS/ACRE OF A COVER CROP. FOR A COVER CROP USE EITHER GRAIN OATS (JAN 1 TO JUL 31) OR GRAIN RYE (AUG 1 TO DEC 31)						

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

Rev. #:	Date
Description	
Graphic Scale:	
501 Main Street, Montrose, CT 06468 T: (203) 880-5455 F: (203) 880-9695 11 Vanderbilt Ave, Norwood, MA 02062 T: (781) 352-8491 F: (203) 880-9695	
Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22109401
Plan Date:	09/30/23
Scale:	1" = 40'
PROPOSED SOLAR PHOTOVOLTAIC ARRAY 958 CT ROUTE 163 MONTVILLE, CONNECTICUT	
Sheet Title:	Sheet #:
SITE LAYOUT PLAN	2.11

GENERAL NOTES

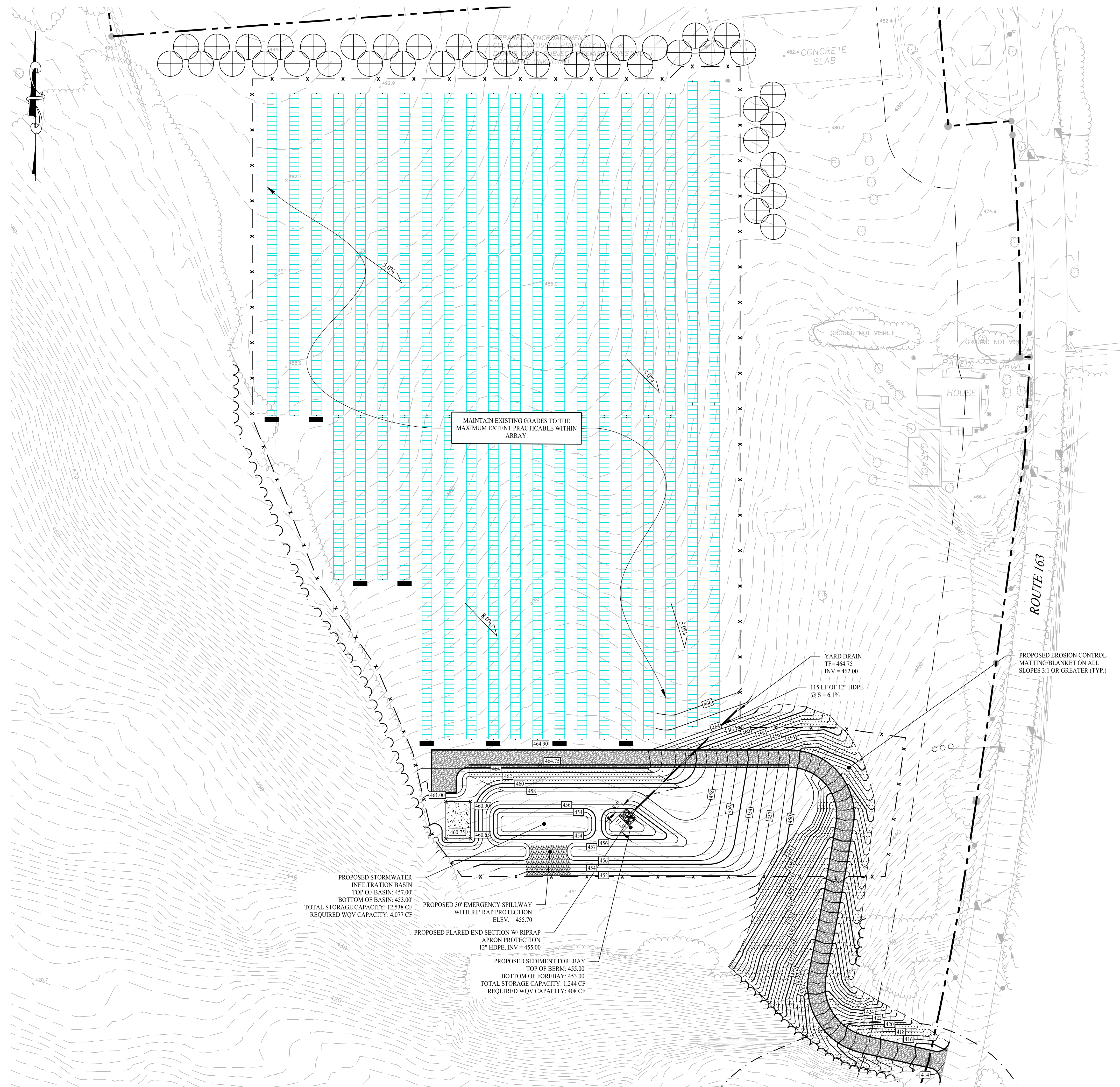
1. THIS DRAWING IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION AND DETAIL SHEETS FOR CONSTRUCTION DETAILS.
2. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES.
3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
4. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS FROM THE TOWN OF MONTVILLE REQUIRED TO PERFORM ALL WORK. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
5. THE CONTRACTOR SHALL COMPACT FILL IN 12" MAXIMUM LIFTS UNDER ALL PARKING, BUILDING, AND DRIVE AREAS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR TEST.)
6. UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD BY THE ENGINEER OF RECORD, AFTER SUBGRADE IS ROUGH GRADED.
7. ALL DISTURBANCE INCURRED TO TOWN OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF MONTVILLE AUTHORITY.
8. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT.
9. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
10. ALL DISTURBED AREAS TO BE RESEED WITH ERNMX-147 WITHIN THE ARRAY AREA. ERNMX-610 WILL BE USED OUTSIDE FENCELINE AND IN NON-ARRAY AREAS.

LEGEND

	PROPERTY LINE
	MAJOR CONTOURS
	MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED SPOT ELEVATION
	EXISTING SPOT ELEVATION
	STORM DRAIN PIPE
	RIP RAP SPILLWAY
	OUTLET CONTROL STRUCTURE
	FLARE END SECTION
	LEVEL SPREADER

ABBREVIATIONS

ELEV	ELEVATION
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LF	LINEAR FEET
S	SLOPE
TF	TOP OF FRAME
TYP	TYPICAL



MAINTAIN EXISTING GRADES TO THE MAXIMUM EXTENT PRACTICABLE WITHIN ARRAY.

YARD DRAIN
TF= 464.75
INV= 462.00
115 LF OF 12" HDPE
@ S = 6.1%

PROPOSED EROSION CONTROL
MATTING/BLANKET ON ALL
SLOPES 3:1 OR GREATER (TYP.)

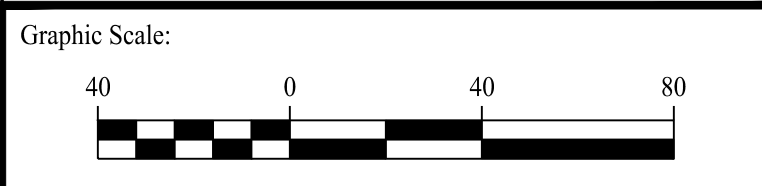
PROPOSED STORMWATER
INFILTRATION BASIN
TOP OF BASIN: 457.00'
BOTTOM OF BASIN: 453.00'
TOTAL STORAGE CAPACITY: 12,538 CF
REQUIRED WQV CAPACITY: 4,077 CF

PROPOSED 30' EMERGENCY SPILLWAY
WITH RIP RAP PROTECTION
ELEV. = 455.70

PROPOSED FLARE END SECTION W/ RIPRAP
APRON PROTECTION
12" HDPE, INV. = 455.00

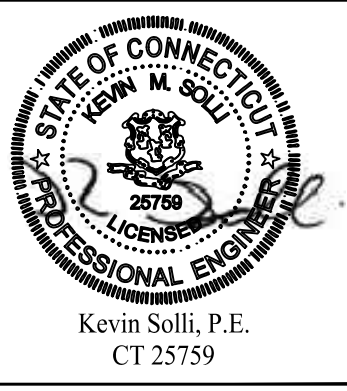
PROPOSED SEDIMENT FOREBAY
TOP OF FOREBAY: 455.00'
BOTTOM OF FOREBAY: 453.00'
TOTAL STORAGE CAPACITY: 1,244 CF
REQUIRED WQV CAPACITY: 408 CF

Rev. #:	Date	Description



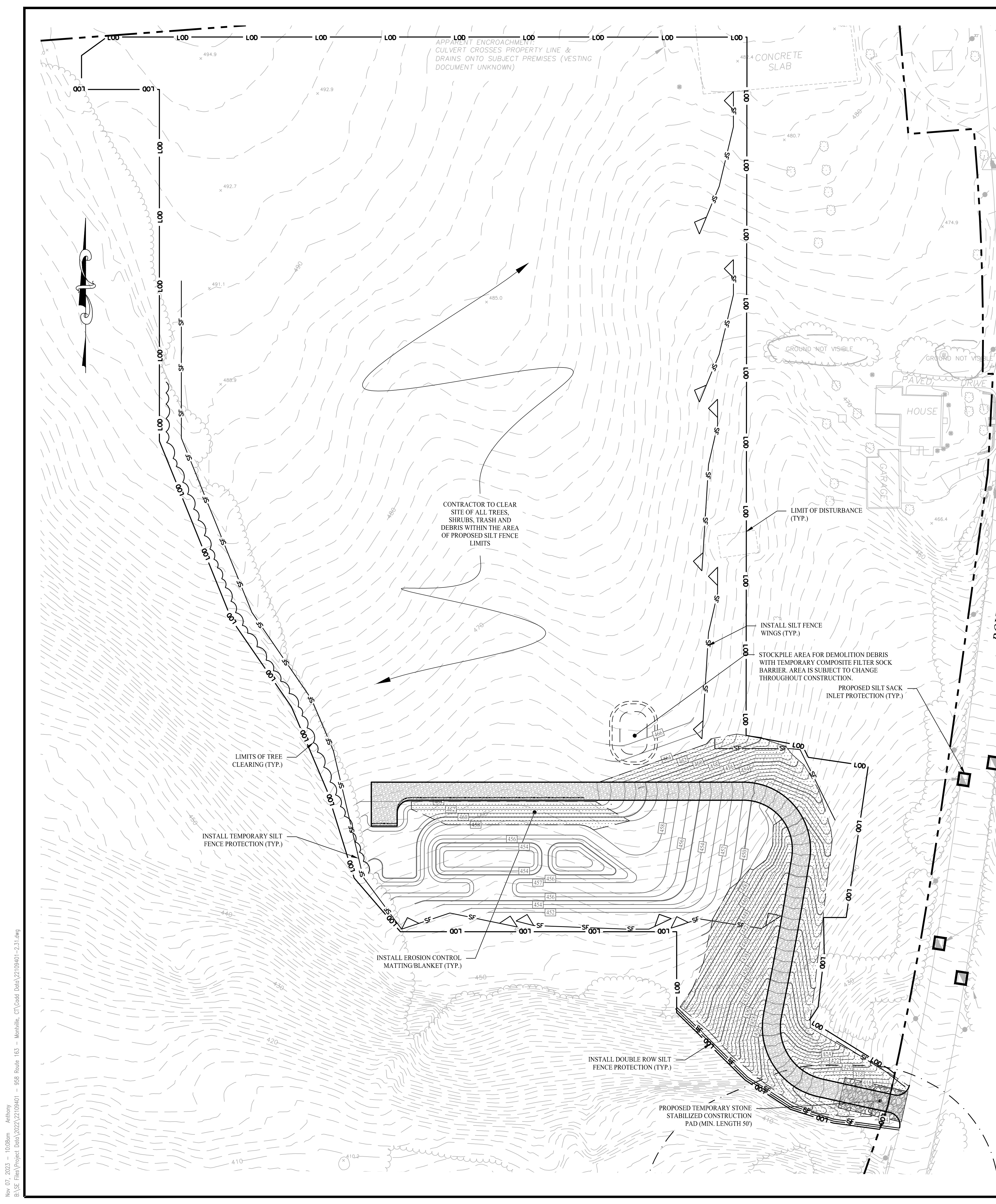
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 501 Main Street, Montrose, CT 06468 T: (203) 880-5455 F: (203) 880-9695
 11 Vanderbilt Ave., Norwood, MA 02062 T: (781) 352-8491 F: (203) 880-9695

Drawn By:	AWC
Checked By:	RPP
Approved By:	KMS
Project #:	22109401
Plan Date:	09/30/23
Scale:	1" = 40'



PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 958 CT ROUTE 163
 MONTVILLE, CONNECTICUT

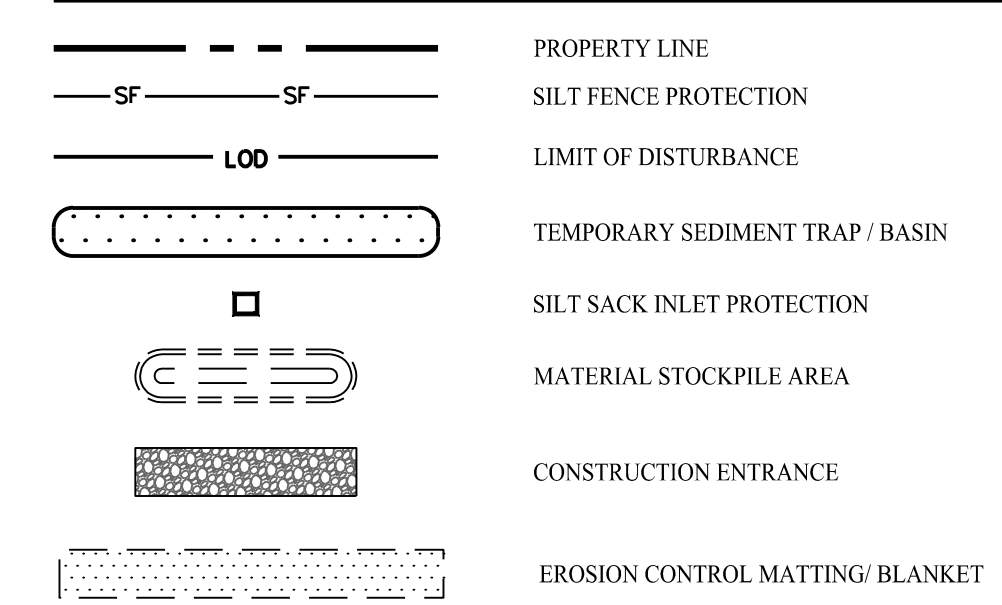
Sheet Title:	Sheet #:
GRADING & DRAINAGE PLAN	2.21



SEDIMENT & EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF MONTVILLE, PERMITTEE, AND/OR SWPCP MONITOR. ALL PERIMETER SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
2. THESE DRAWINGS ARE ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL MEASURES FOR THIS SITE. SEE CONSTRUCTION SEQUENCE FOR ADDITIONAL INFORMATION. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN ARE SHOWN AS REQUIRED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL EROSION CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO STORM DRAINAGE SYSTEMS AND/OR 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.
3. A BOND OR LETTER OF CREDIT MAY BE REQUIRED TO BE POSTED WITH THE GOVERNING AUTHORITY FOR THE EROSION CONTROL INSTALLATION AND MAINTENANCE.
4. THE CONTRACTOR SHALL APPLY THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN IN CONJUNCTION WITH CONSTRUCTION SEQUENCING, SUCH THAT ALL ACTIVE WORK ZONES ARE PROTECTED. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, ENGINEER OF RECORD, MUNICIPAL OFFICIALS, OR ANY GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR INSTALLED SEDIMENTATION AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS WEEKLY AND WITHIN 24 HOURS OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCHES OR GREATER TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS AS NECESSARY IN A TIMELY MANNER.
6. THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (SILT FENCE, COMPOSITE FILTER SOCK, EROSION CONTROL BLANKET, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.
7. ALL FILL MATERIAL PLACED ADJACENT TO ANY WETLAND AREA SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN MAXIMUM ONE FOOT LIFTS, AND SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.
8. PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING, ORANGE SAFETY FENCE, CONSTRUCTION TAPE, OR EQUIVALENT FENCING/TAPE. ANY LIMB TRIMMING SHOULD BE DONE AFTER CONSULTATION WITH AN ARBORIST AND BEFORE CONSTRUCTION BEGINS IN THAT AREA. FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.
9. CONSTRUCTION ENTRANCES (ANTI-TRACKING PADS) SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF ALL CONSTRUCTION IF REQUIRED. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED. CONTRACTOR SHALL ENSURE THAT ALL VEHICLES EXITING THE SITE ARE PASSING OVER THE ANTI-TRACKING PADS PRIOR TO EXITING.
10. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SEDIMENT BARRIER UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE BARRIER.
11. NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS. ALL SLOPES SHALL BE SEEDED AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
12. DIRECT ANY DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE CONFORMING TO THE GUIDELINES WITHIN THE APPROVED LIMIT OF DISTURBANCE IF REQUIRED. DISCHARGE TO STORM DRAINS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR AND APPROVED BY THE PERMITTEE OR MUNICIPALITY.
13. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES AND SECURED APPROPRIATELY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE/CONTAINMENT.
14. MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDING WITH TACKLIFIER.
15. SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAYS DAMP. CALCIUM CHLORIDE MAY ALSO BE APPLIED TO ACCESS ROADS. DUMP TRUCK LOADS EXITING THE SITE SHALL BE COVERED.
16. VEGETATIVE ESTABLISHMENT SHALL OCCUR ON ALL DISTURBED SOIL, UNLESS THE AREA IS UNDER ACTIVE CONSTRUCTION. IT IS COVERED IN STONE OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES SHALL BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.
17. MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP CONCRETE PADS, CLEAN THE STORMWATER MANAGEMENT SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM PERMITTEE OR THE MUNICIPALITY.
18. SEEDING MIXTURES SHALL BE FUZZ & BUZZ MIX - PREMIUM - ERNMX-147, OR APPROVED EQUAL. NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR STORMWATER BASINS & MOIST SITES, OR APPROVED EQUAL, SHALL BE UTILIZED ON THE BOTTOM OF THE BASIN & FUZZ & BUZZ MIX - PREMIUM - ERNMX-147, OR APPROVED EQUAL, ON THE SIDE SLOPES OF THE BASIN. SEE SHEET DN-2 FOR ALL SEED MIXTURES.
19. REFER TO SHEET 2.41 FOR SEDIMENT & EROSION CONTROL NARRATIVE & DETAILS.

LEGEND



CONSTRUCTION SEQUENCE (PHASE I)

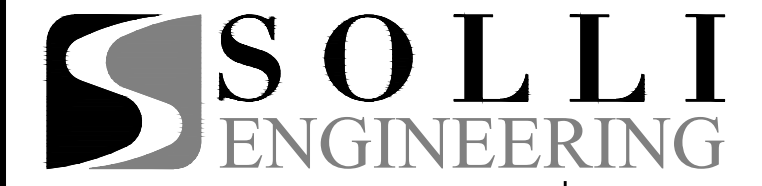
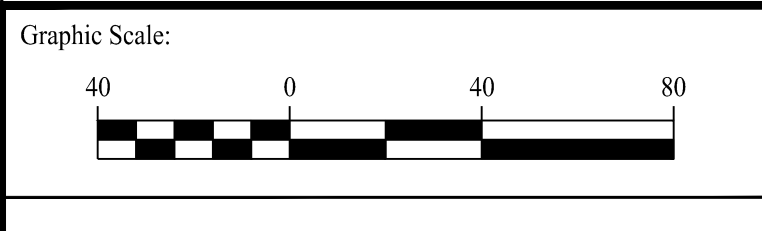
SEQUENCE THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. THE CONTRACTOR MAY ELECT TO ALTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE, THE EXISTING SITE ACTIVITIES AND WEATHER CONDITIONS. SHOULD THE CONTRACTOR 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:**
1. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING. PHYSICALLY FLAG THE LIMITS OF DISTURBANCE IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
 2. CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROPOSED WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY THE OWNER, THE OWNER'S REPRESENTATIVE(S), THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION, OPERATION, MONITORING AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
 3. NOTIFY CALL BEFORE YOU DIG AT 811 AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.
 4. REMOVE EXISTING IMPEDIMENTS AS NECESSARY AND PROVIDE MINIMAL DISTURBANCE TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCE.
 5. INSTALL PERIMETER EROSION CONTROL.
 6. INSTALL ACCESS DRIVE.
 7. INSTALL ELECTRICAL CONDUIT, RACKING POSTS FOR GROUND MOUNTED SOLAR PANELS & GROUND MOUNTED SOLAR PANELS AND COMPLETE ELECTRICAL INSTALLATION.
 8. TEMPORARILY SEED DISTURBED AREAS NOT UNDER CONSTRUCTION FOR THIRTY (30) DAYS OR MORE.

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.

Rev. #:	Date	Description



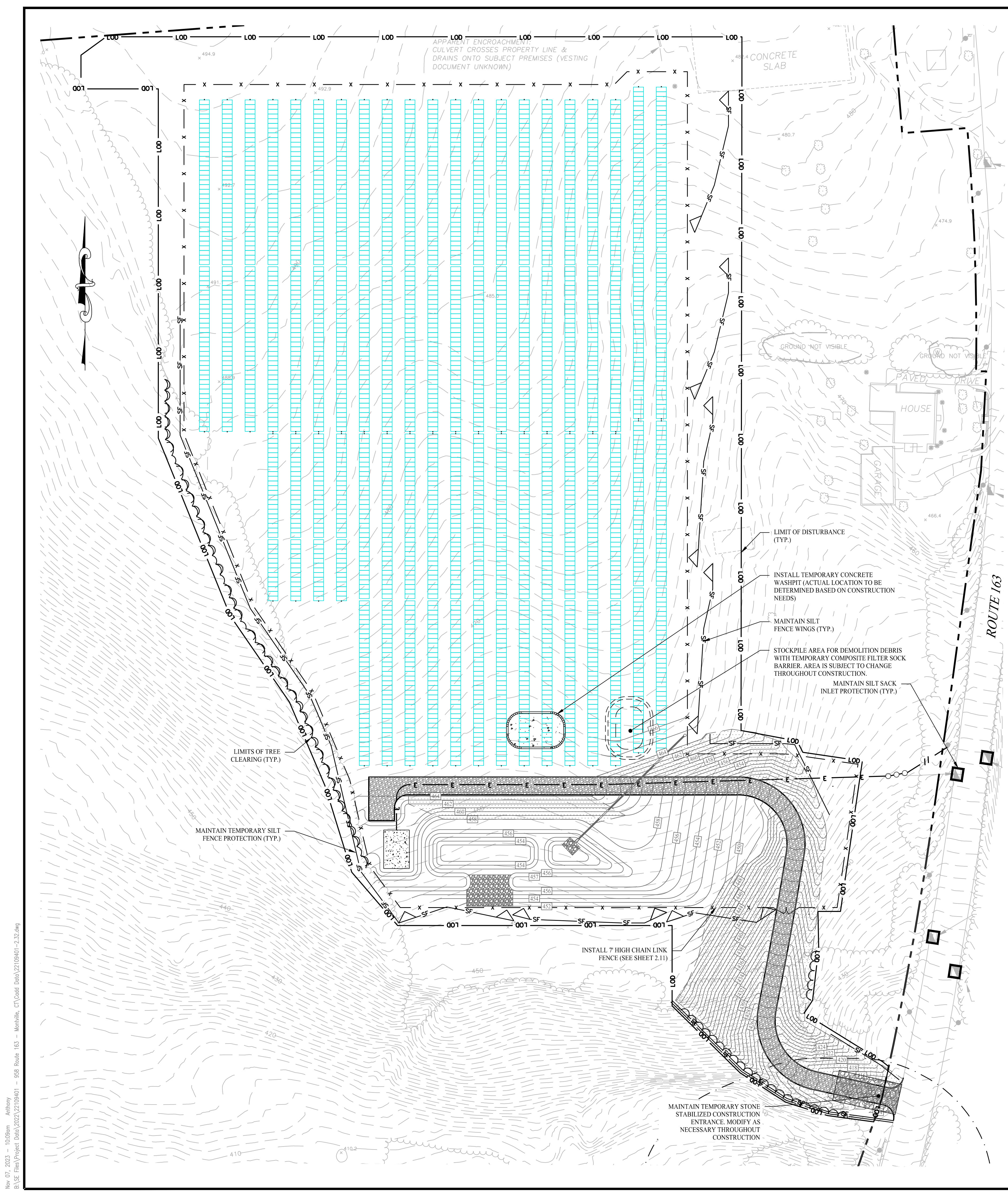
Drawn By:	CMH
Checked By:	RPP
Approved By:	KMS
Project #:	22109401
Plan Date:	09/30/23
Scale:	1" = 40'



PROPOSED SOLAR PHOTOVOLTAIC ARRAY
958 CT ROUTE 163
MONTVILLE, CONNECTICUT

Sheet Title:	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE I	Sheet #:	2.31
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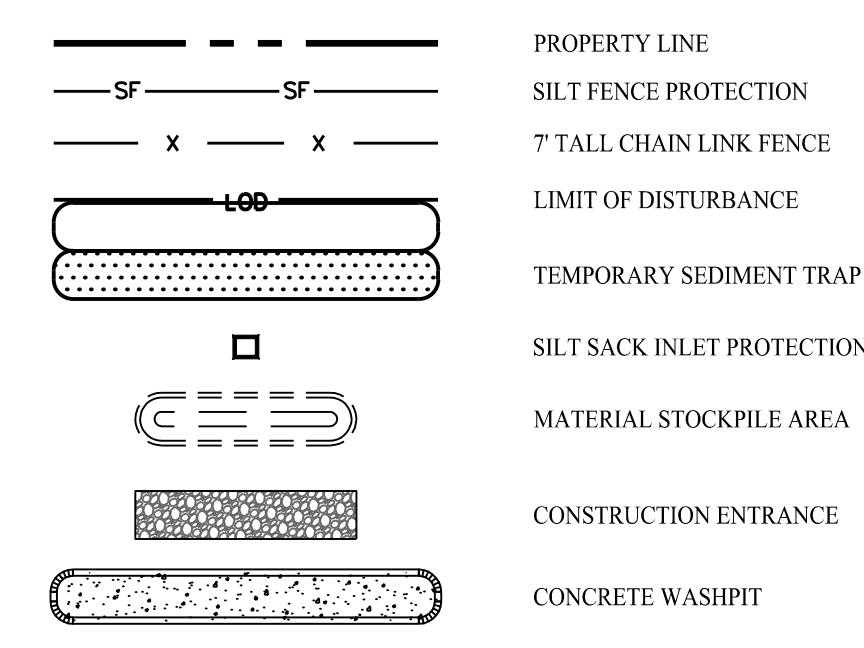
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SEDIMENT & EROSION CONTROL NARRATIVE

- THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING GRADING OF APPROXIMATELY 7.1± ACRES OF EXISTING LOT.
 THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:
 A. CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
 B. CONSTRUCTION OF 2,590 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
 C. THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
- FOR THIS PROJECT, THERE ARE APPROXIMATELY 7.1± 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.
- THE PROJECT AREA, AS MAPPED IN THE SOIL SURVEY OF STATE OF CONNECTICUT (NRCS, VERSION 18, DEC 6, 2018), CONTAINS TYPE 84B (HYDROLOGIC SOIL GROUP C), 46B (HYDROLOGIC SOIL GROUP C/D) AND 60B (HYDROLOGIC SOIL GROUP B). A GEOTECHNICAL ENGINEERING REPORT HAS BEEN PROVIDED UNDER SEPARATE COVER.
- IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4-6 MONTHS.
- REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.
- STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2004 CONNECTICUT STORMWATER QUALITY MANUAL AND THE TOWN OF MONTVILLE STANDARDS, TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGEMENT AND THE APPLICABLE SECTIONS OF THE CONNECTICUT EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, LATEST EDITION.
- DETAILS FOR THE TYPICAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON THE PLAN SHEETS OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.
- CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:
 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.
- THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
 A. STORMWATER MANAGEMENT REPORT.
 B. SWPCP, TO BE ISSUED AT A LATER DATE.

LEGEND

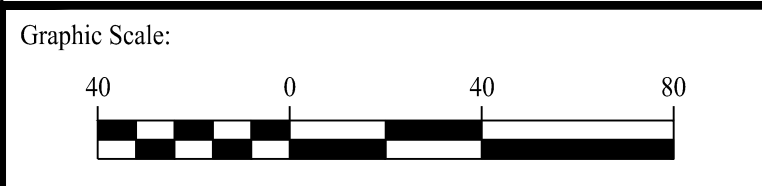


CONSTRUCTION SEQUENCE (PHASE II)

- PHASE II:**
- AFTER SUBSTANTIAL COMPLETION OF THE INSTALLATION OF THE SOLAR PANELS, COMPLETE REMAINING SITE WORK, INCLUDING ANY REQUIRED LANDSCAPE SCREENING, STORMWATER BASIN, OUTLET CONTROL STRUCTURE, STORMWATER STRUCTURES PIPE, CHAIN LINK FENCE, AND STABILIZE ALL DISTURBED AREAS.
 - 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.
 - FINE GRADE, RAKE, SEED, AND MULCH ALL REMAINING DISTURBED AREAS.
 - AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE AND IF NECESSARY THE CONSERVATION AGENT, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.

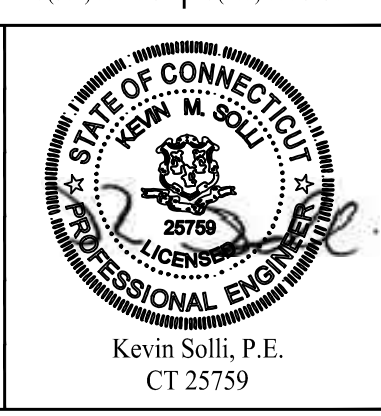
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Rev. #:	Date	Description



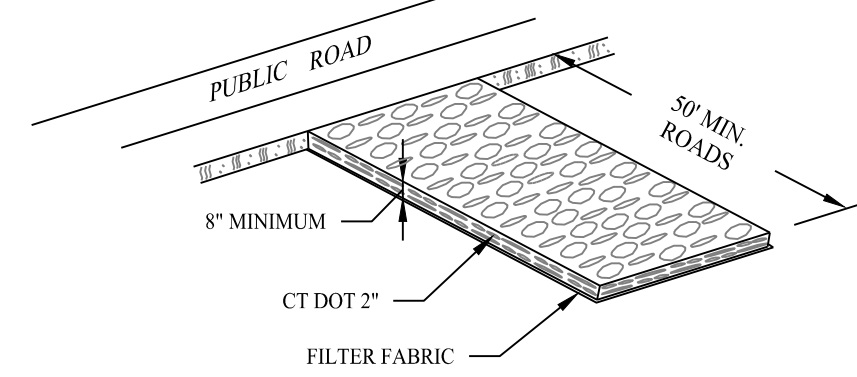
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Checked By:	RPP
Approved By:	KMS
Project #:	22109401
Plan Date:	09/30/23
Scale:	1" = 40'



PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 958 CT ROUTE 163
 MONTVILLE, CONNECTICUT

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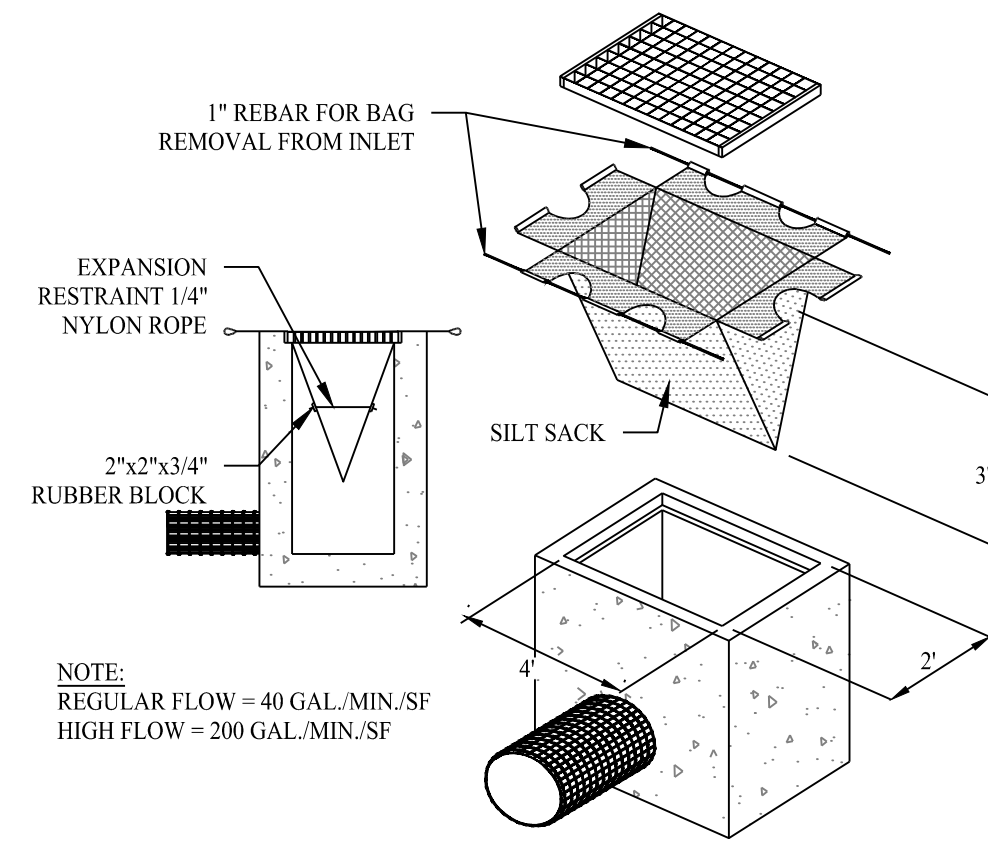
GRADATION TABLE

SQUARE MESH SIEVES	CONN. DOT 2" CRUSHED GRAVEL	ASTM C-53 NO. 2	ASTM C-53 NO. 3
	% FINER	% FINER	% FINER
2 1/2 INCHES	100	90-100	100
2 INCHES	95-100	35-70	90-100
1 1/2 INCHES	35-70	0-15	35-70
1 1/4 INCHES	0-25	—	—
1 INCHES	0-10	—	0-15
3/4 INCHES	—	0-5	—
1/2 INCHES	—	—	0-5
3/8 INCHES	—	—	—

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

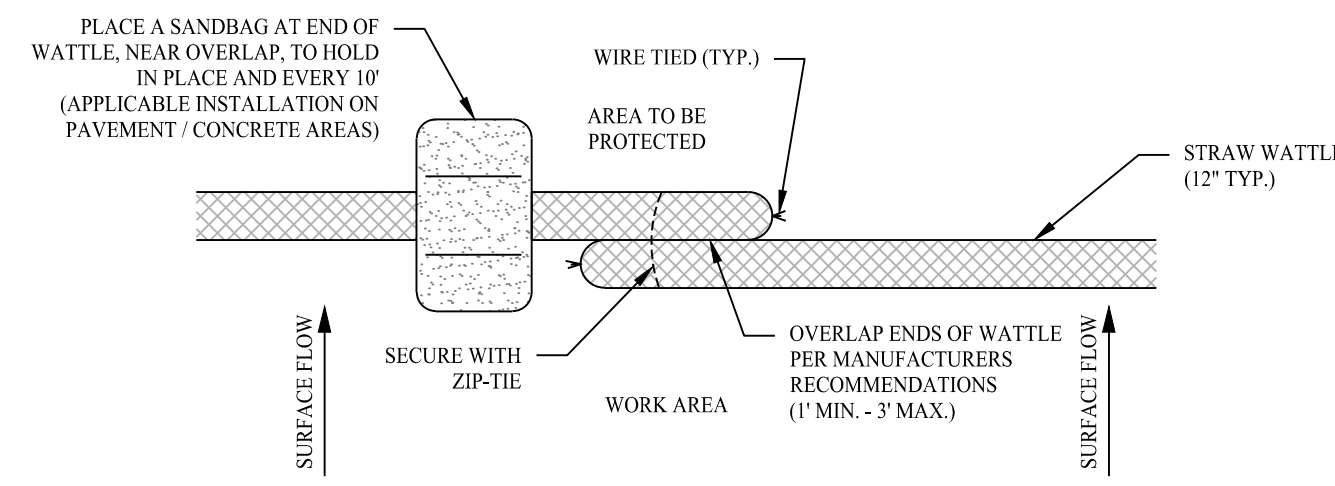
CONSTRUCTION ENTRANCE

SCALE: NTS



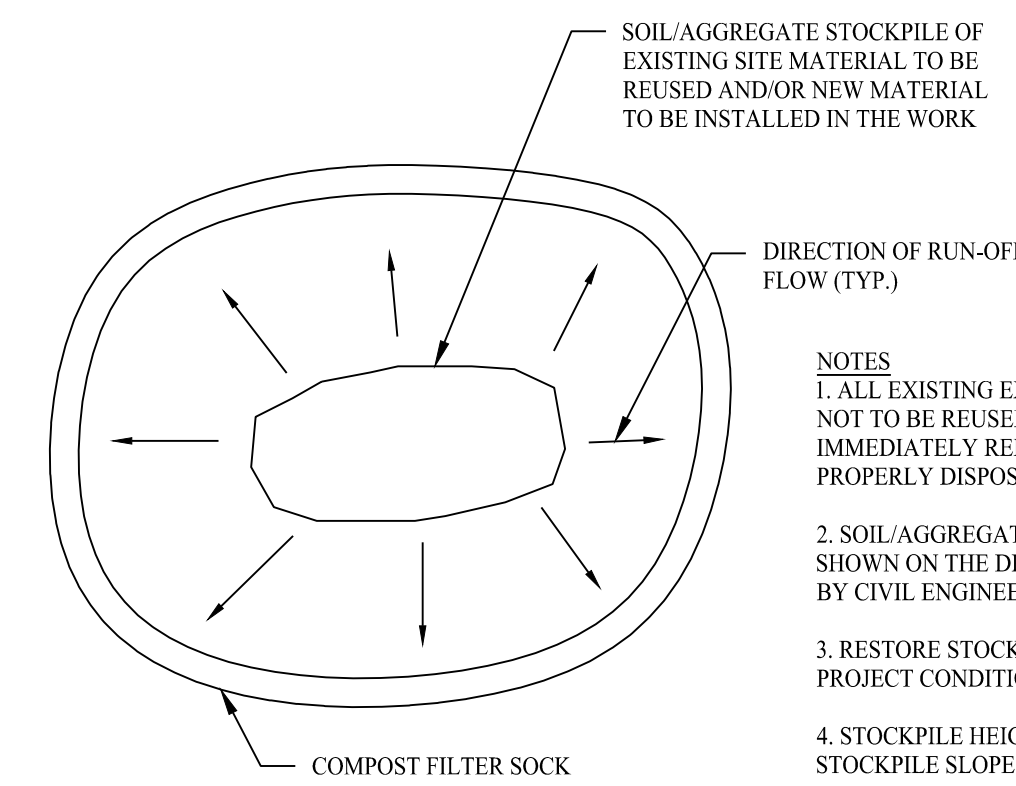
SILT SACK DETAIL

SCALE: NTS



COMPOST FILTER SOCK

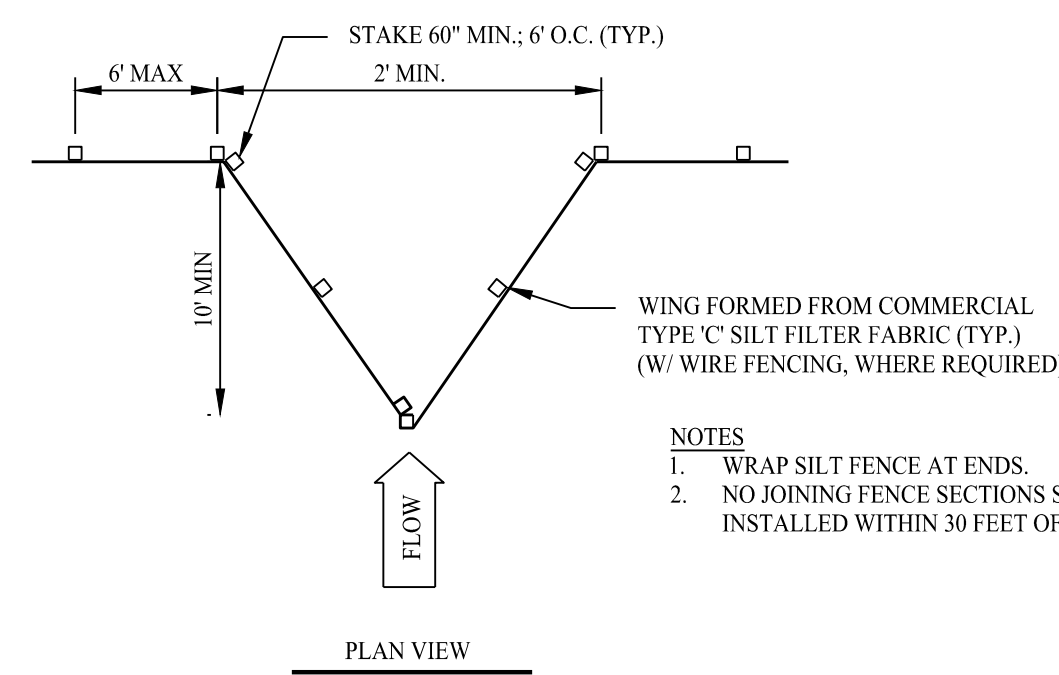
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MATERIALS STOCKPILE DETAIL

SCALE: NTS

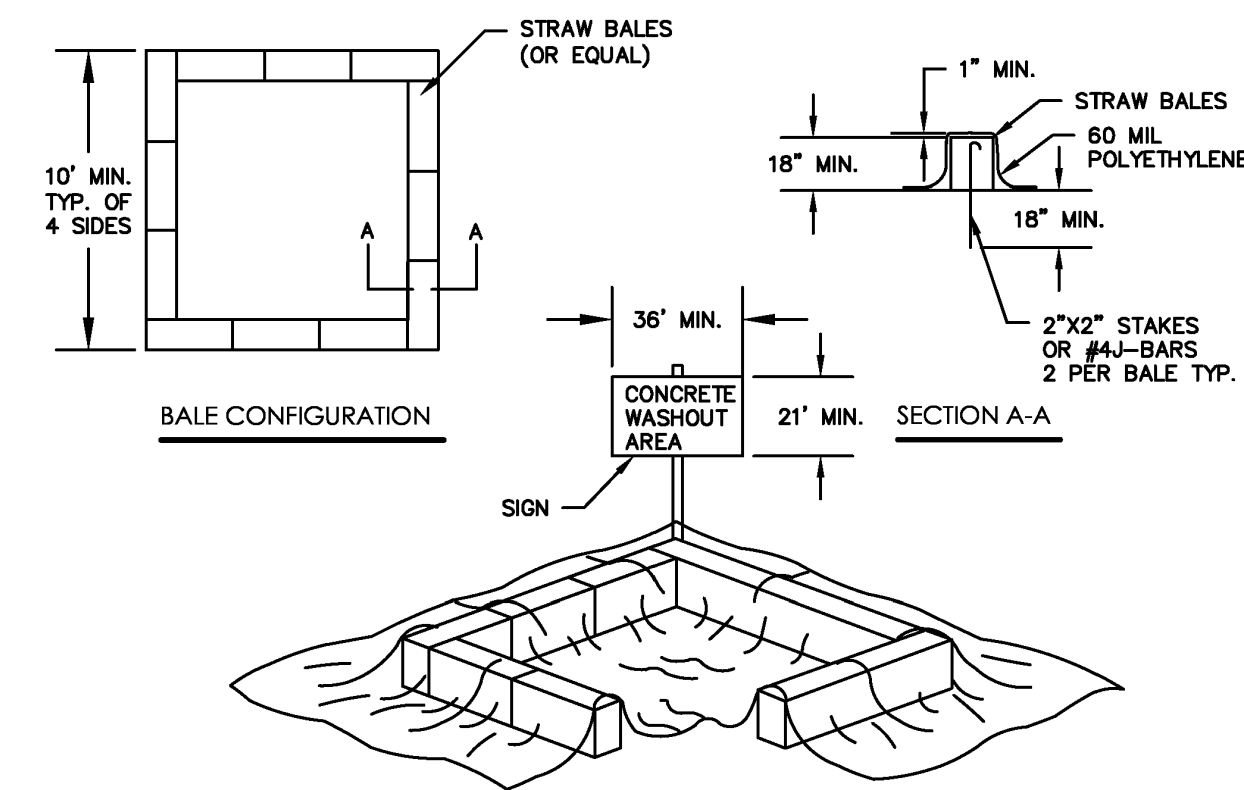
- SOIL/AGGREGATE STOCKPILE OF EXISTING SITE MATERIAL TO BE REUSED AND/OR NEW MATERIAL TO BE INSTALLED IN THE WORK
- DIRECTION OF RUN-OFF FLOW (TYP.)
- NOTES
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
 2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS OR WHERE APPROVED BY CIVIL ENGINEER.
 3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
 4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.



SILT FENCE WING DETAIL

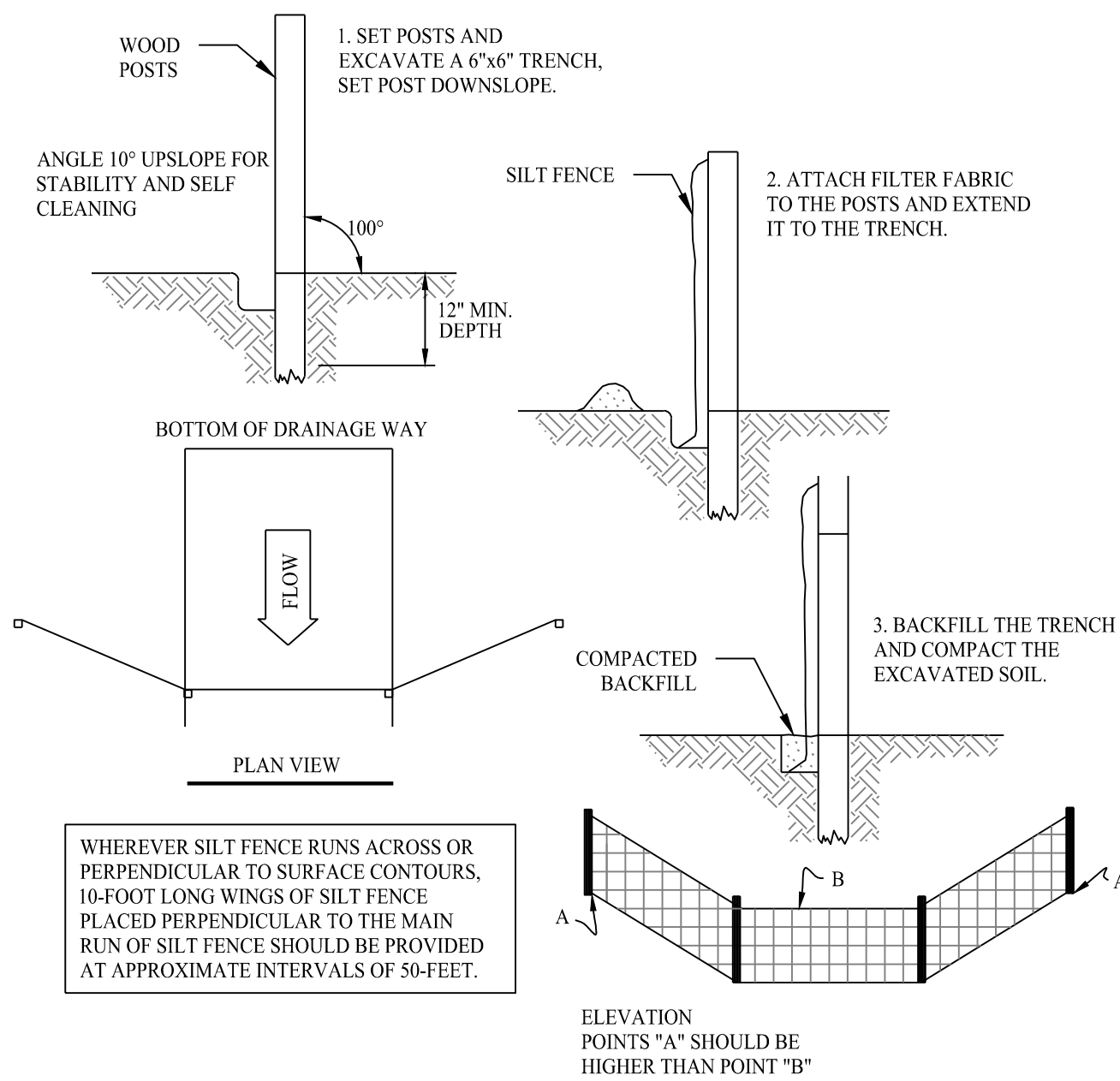
SCALE: NTS

- NOTES
1. WRAP SILT FENCE AT ENDS.
 2. NO JOINING FENCE SECTIONS SHALL BE INSTALLED WITHIN 30 FEET OF WING



CONCRETE WASH PIT DETAIL

SCALE: NTS



SILT FENCE PROTECTION DETAIL

SCALE: NTS

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Drawn By: CMH
Checked By: CJB
Approved By: KMS
Project #: 22109401
Plan Date: 09/30/23
Scale: NTS

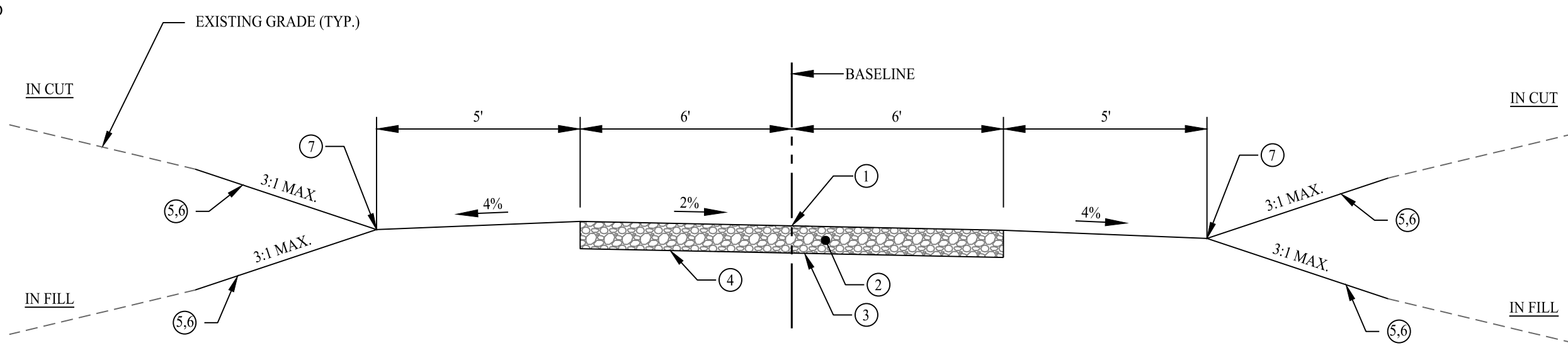


PROPOSED SOLAR PHOTOVOLTAIC ARRAY
958 CT ROUTE 163
MONTVILLE, CONNECTICUT

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

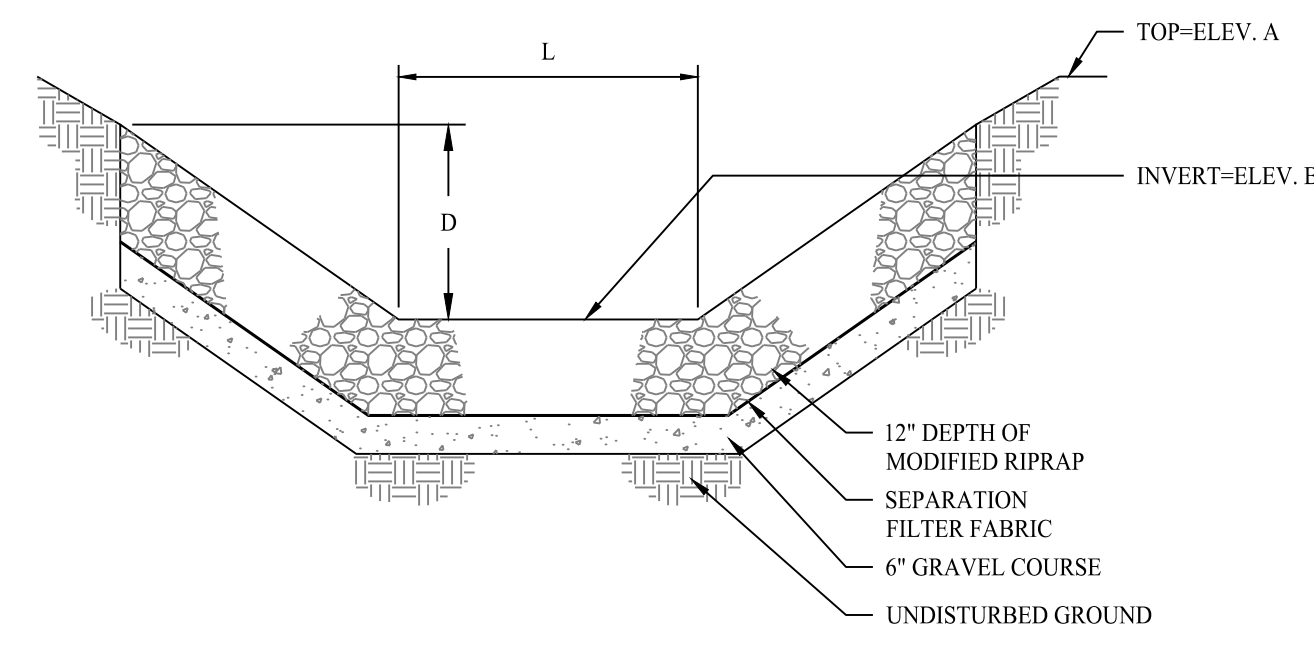
- 1 POINT OF APPLICATION OF GRADE OR MATCH EXISTING GROUND
- 2 8" LAYER CRUSHER RUN GRAVEL
- 3 NONWOVEN GEOTEXTILE (MIRAFI 140N OR EQUAL)
- 4 LIMIT OF EXCAVATION OR LIMIT OF COMPACTION
- 5 EROSION CONTROL BLANKET ON SLOPES 3:1 OR GREATER
- 6 6" TOPSOIL AND SEED
- 7 VEGETATED CHANNEL

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)



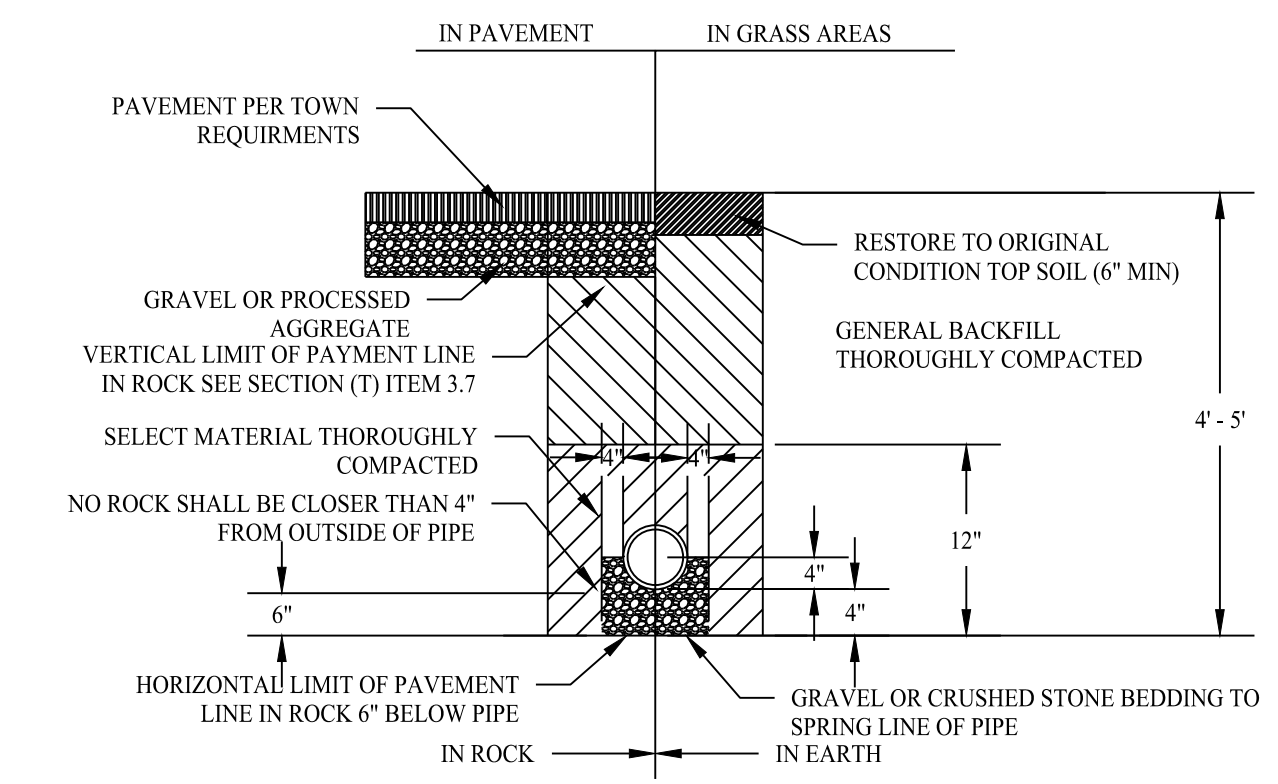
TYPICAL GRAVEL ROADWAY SECTION

SCALE: NTS



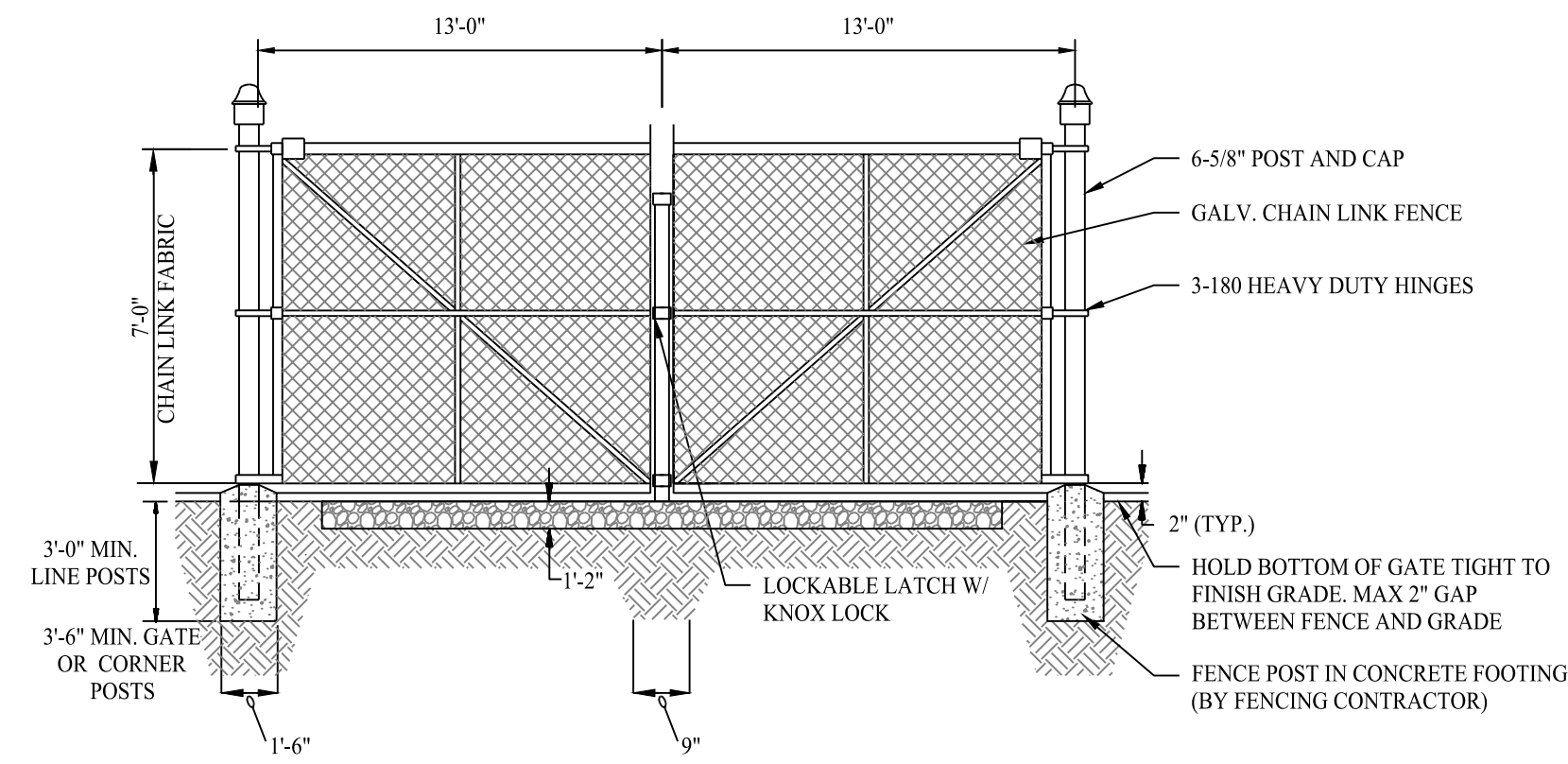
WEIR OUTLET

SCALE: NTS



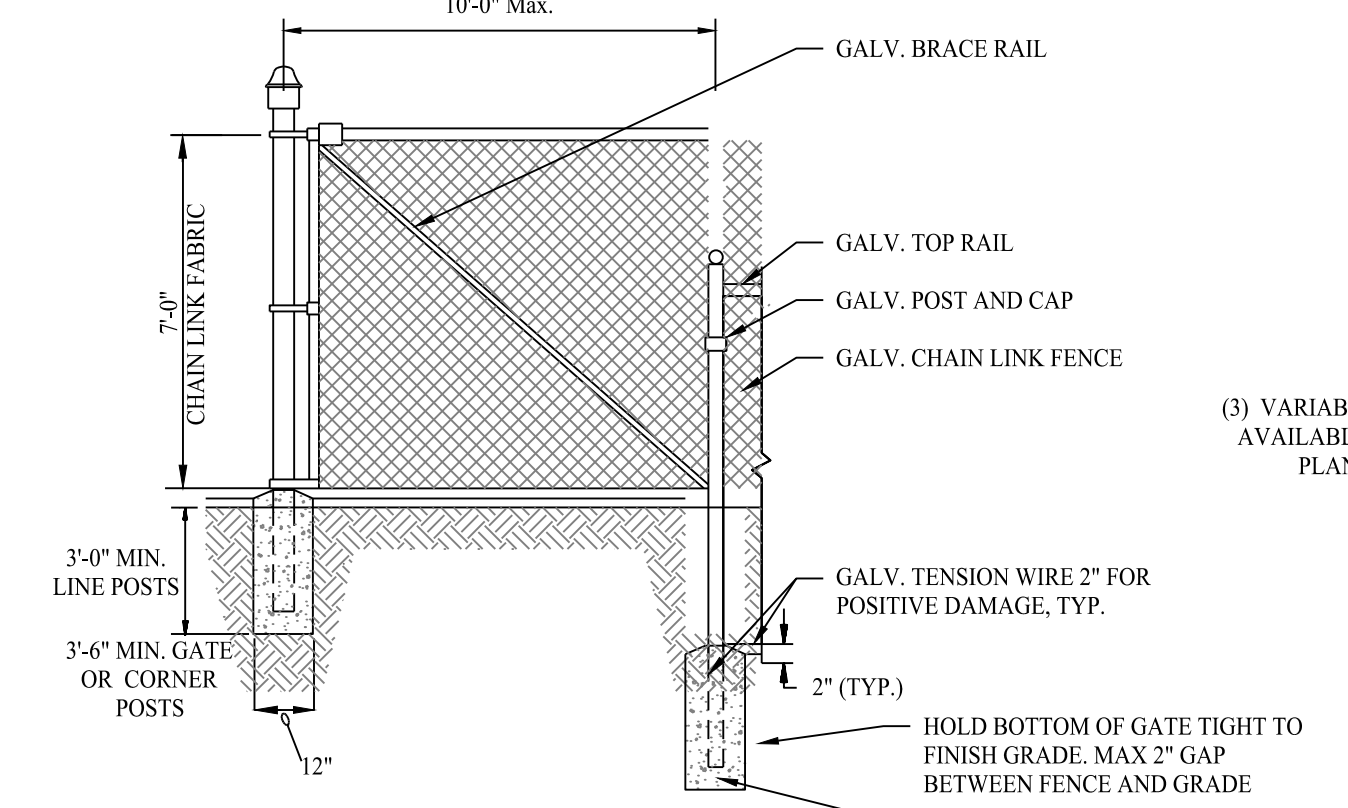
STORM TRENCH DETAIL

SCALE: NTS



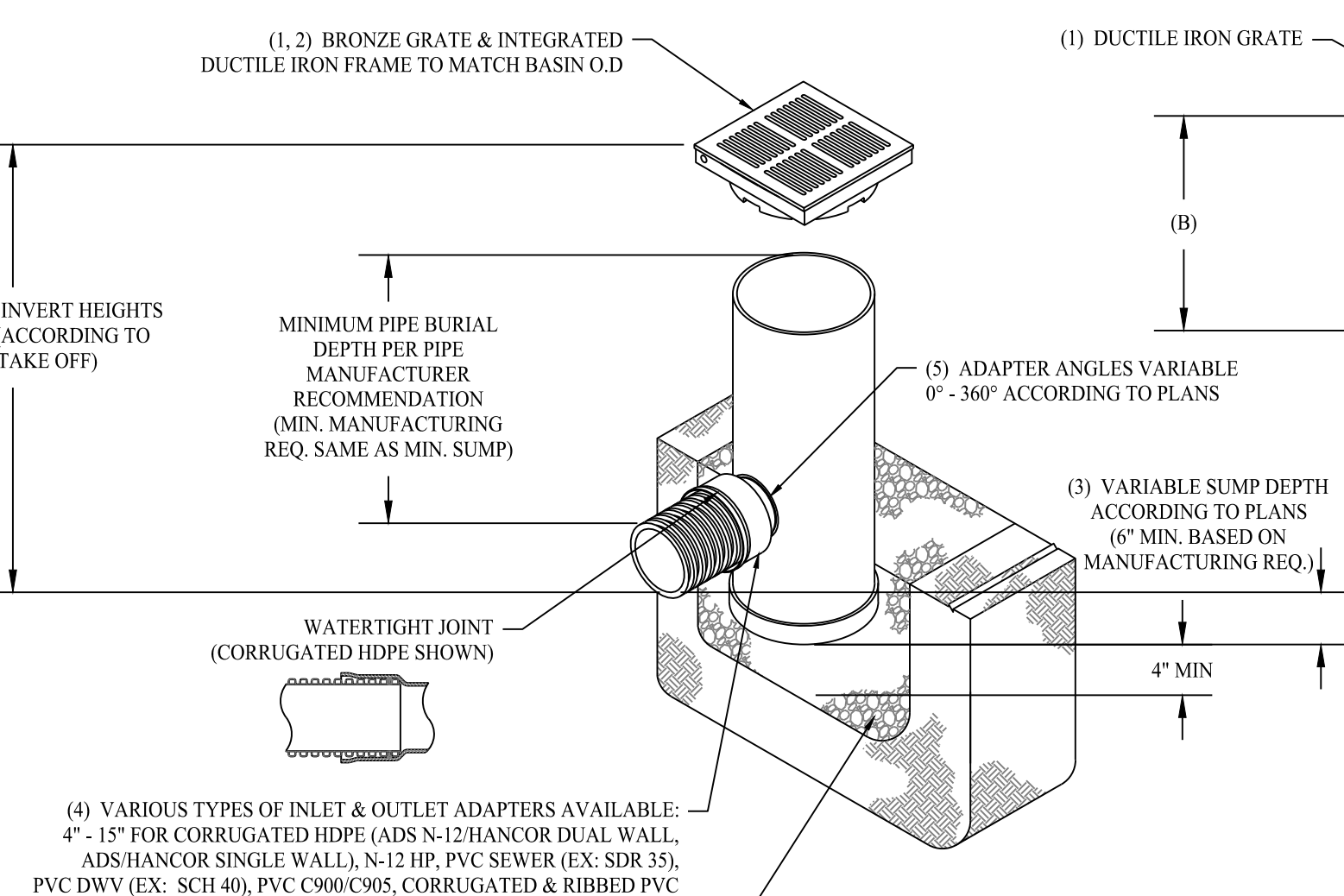
DOUBLE SWING GATE DETAIL

SCALE: NTS



7' HIGH CHAIN LINK FENCE DETAIL

SCALE: NTS



10" STANDARD DRAIN BASIN

SCALE: NTS

NOTES:

1. 8" - 15" GRATES SHALL BE SOLID BRONZE.
2. 12" & 15" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 8" & 10" BRONZE GRATES FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 001-110-065.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
6. 8" - 15" BRONZE GRATES HAVE NO LOAD RATING.

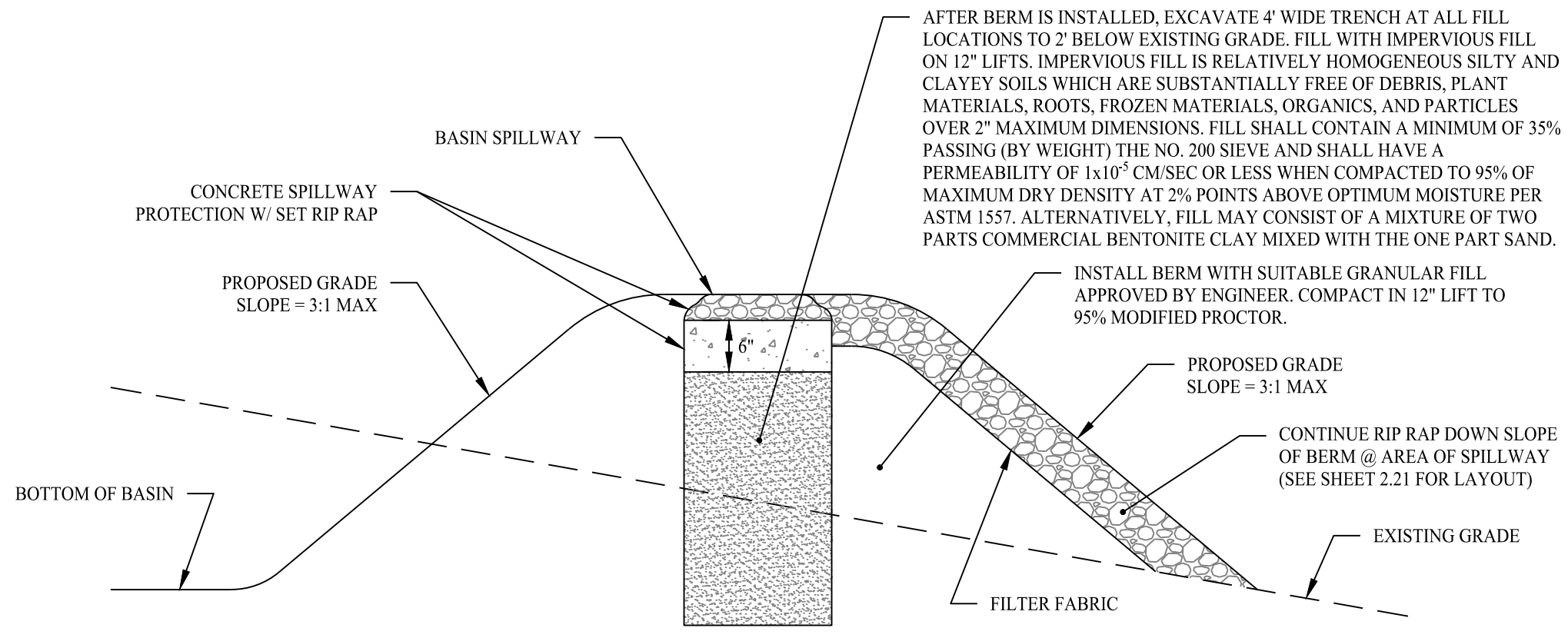
10" CUSTOM DRAIN BASIN

SCALE: NTS

NOTES:

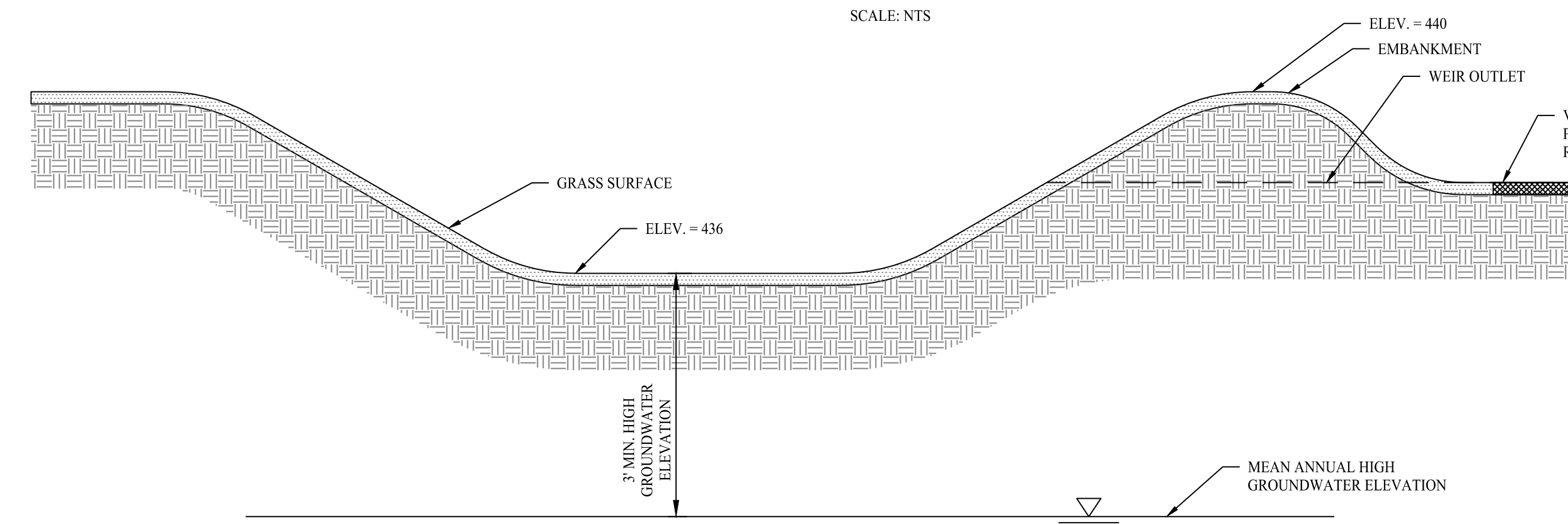
1. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2. CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC.
4. STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
5. DIMENSIONS ARE FOR REFERENCE ONLY ACTUAL DIMENSIONS MAY VARY.

DETAIL PROVIDED BY NYLOPLAST



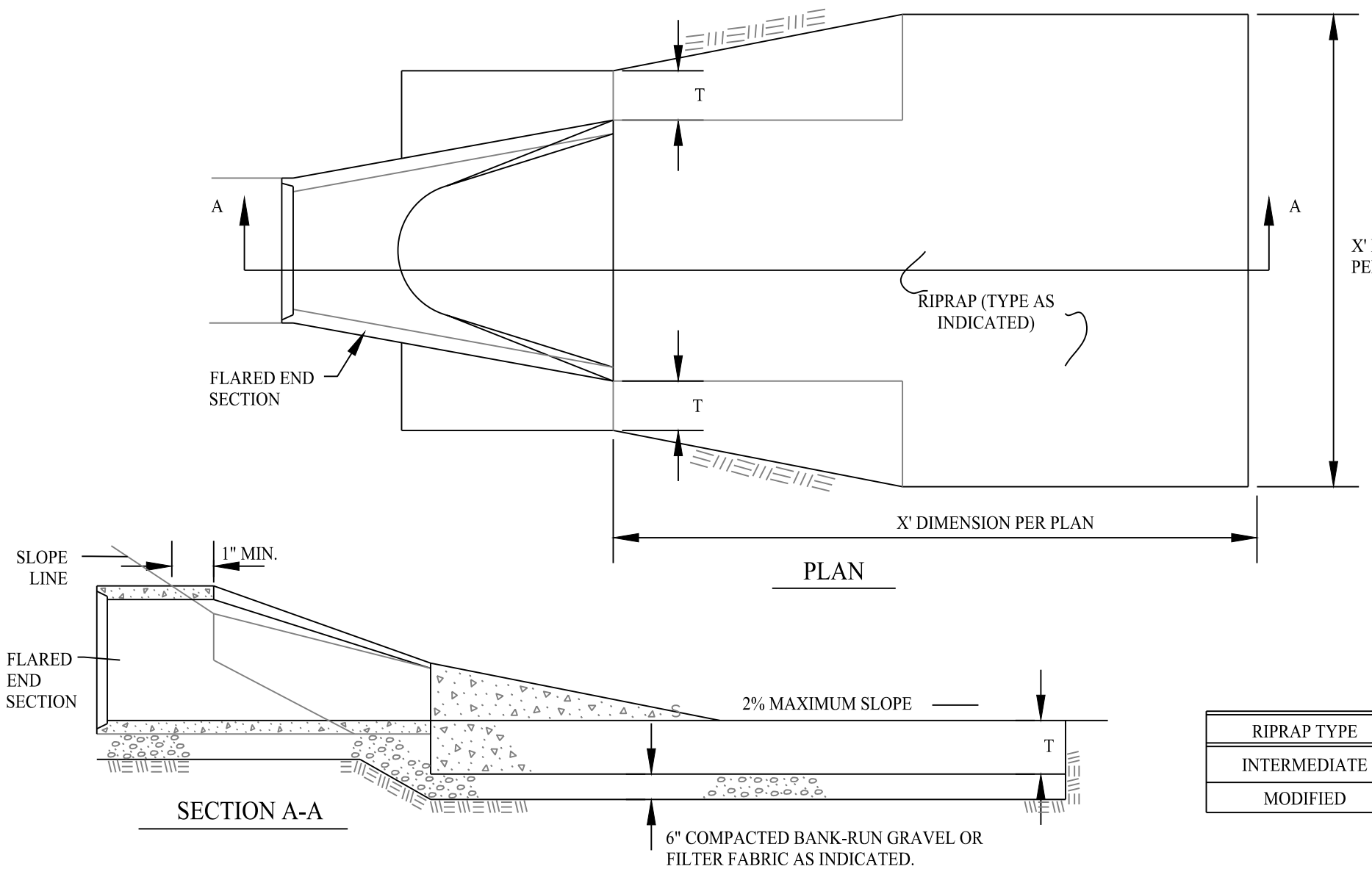
TYPICAL SPILLWAY IN FILL SECTION DETAIL

SCALE: NTS



NYLOPLAST DRAIN BASIN (YARD DRAIN) DETAIL

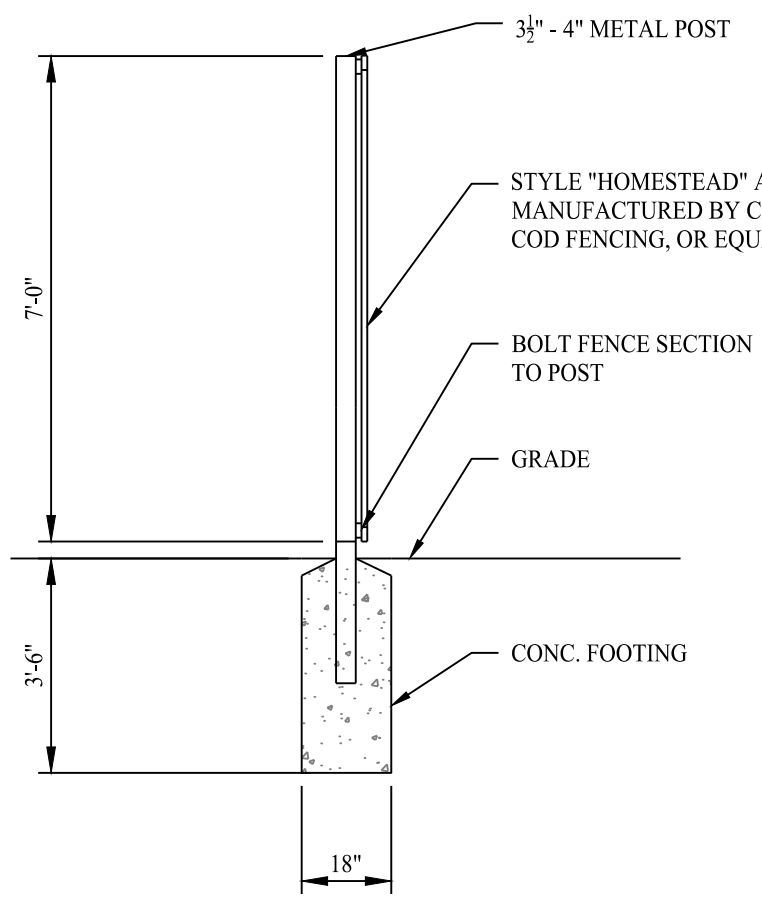
SCALE: NTS



RIPRAP AT FLARED SECTION

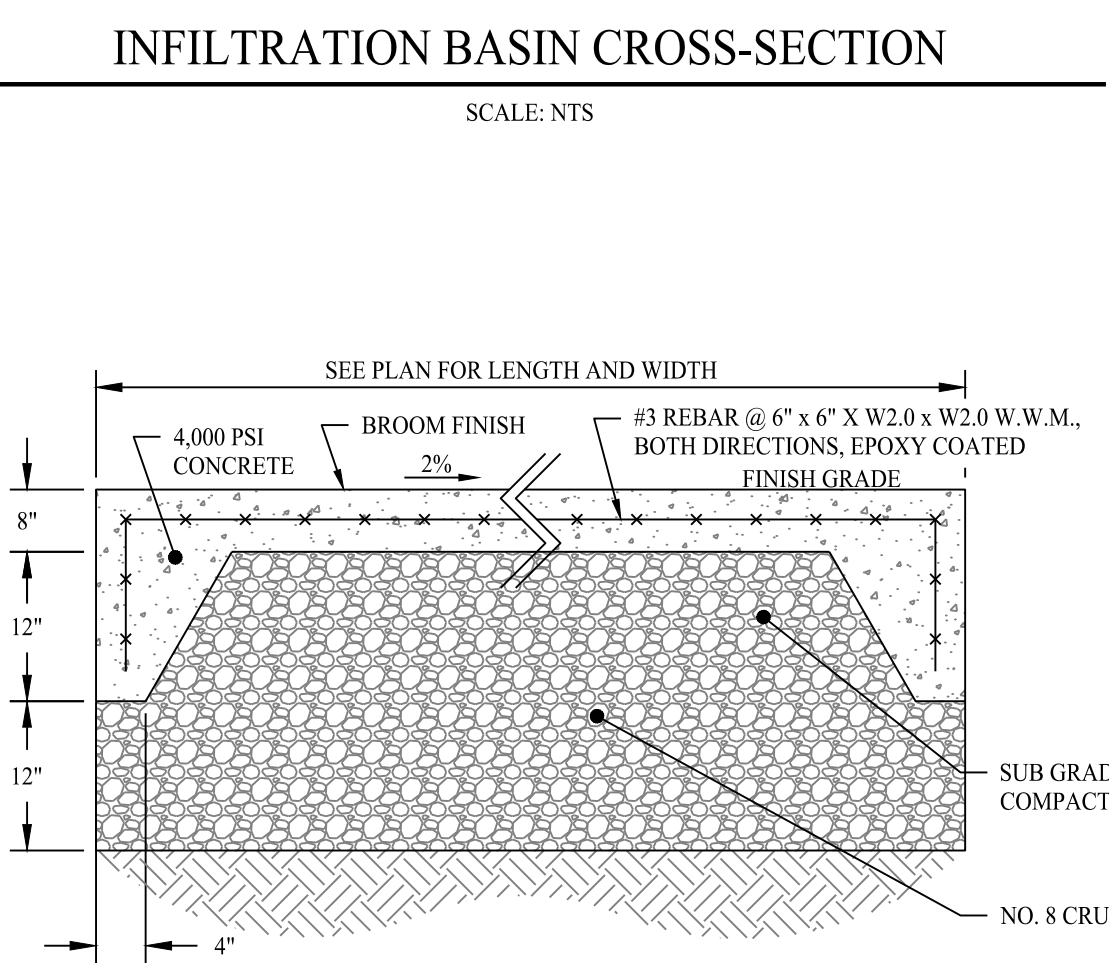
SCALE: NTS

RIPRAP TYPE	T" (INCHES)
INTERMEDIATE	18
MODIFIED	12



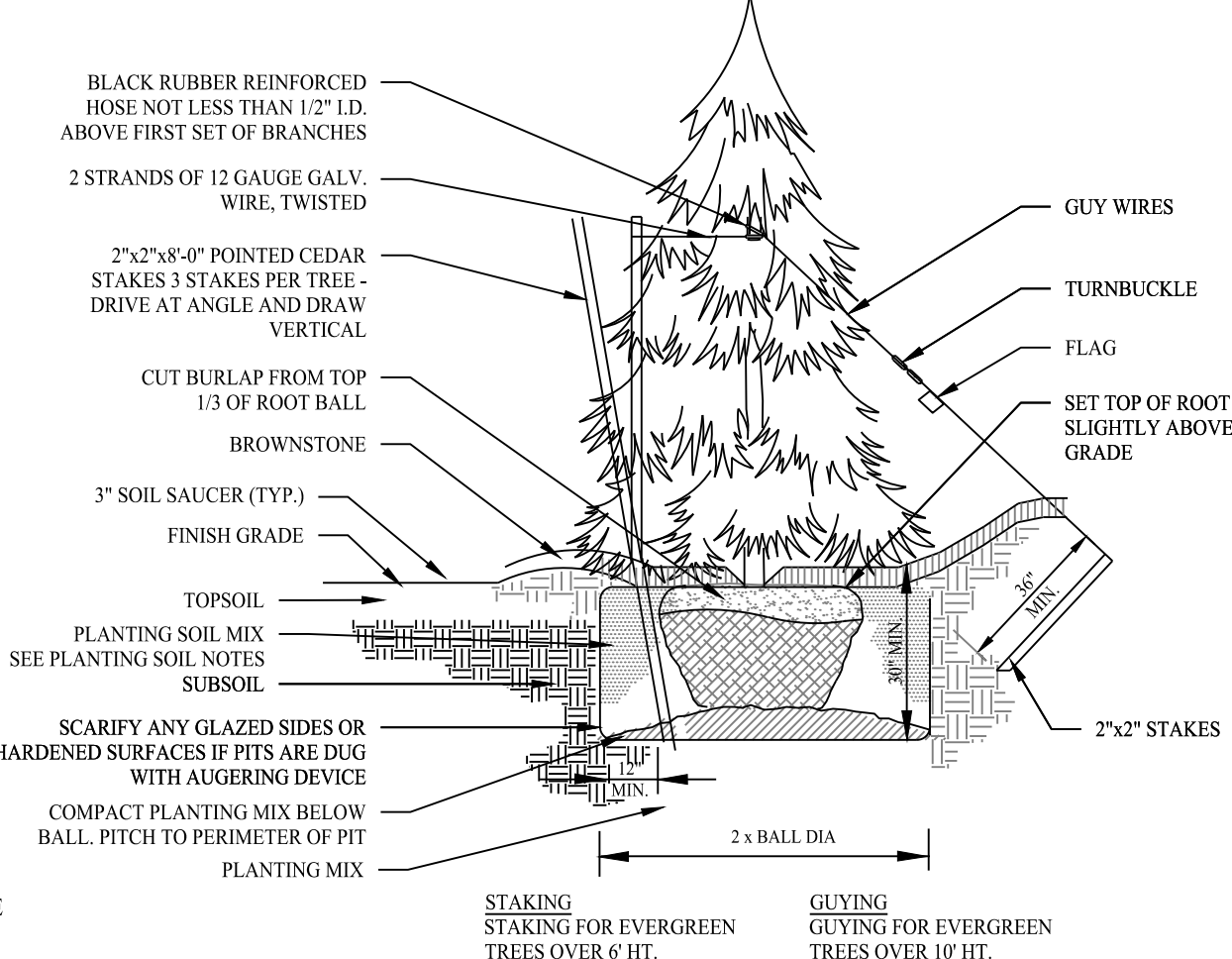
FENCE POST INSTALLATION

SCALE: NTS



CONCRETE PAD DETAIL

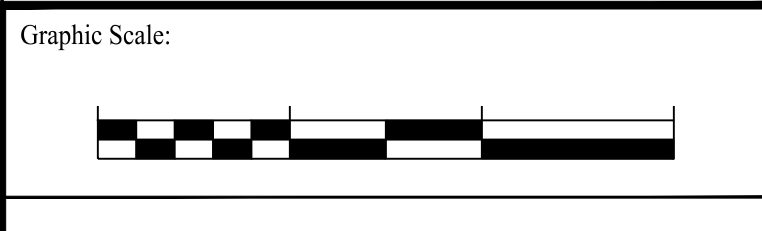
SCALE: NTS



EVERGREEN TREE PLANTING

SCALE: NTS

Rev. #:	Date	Description



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

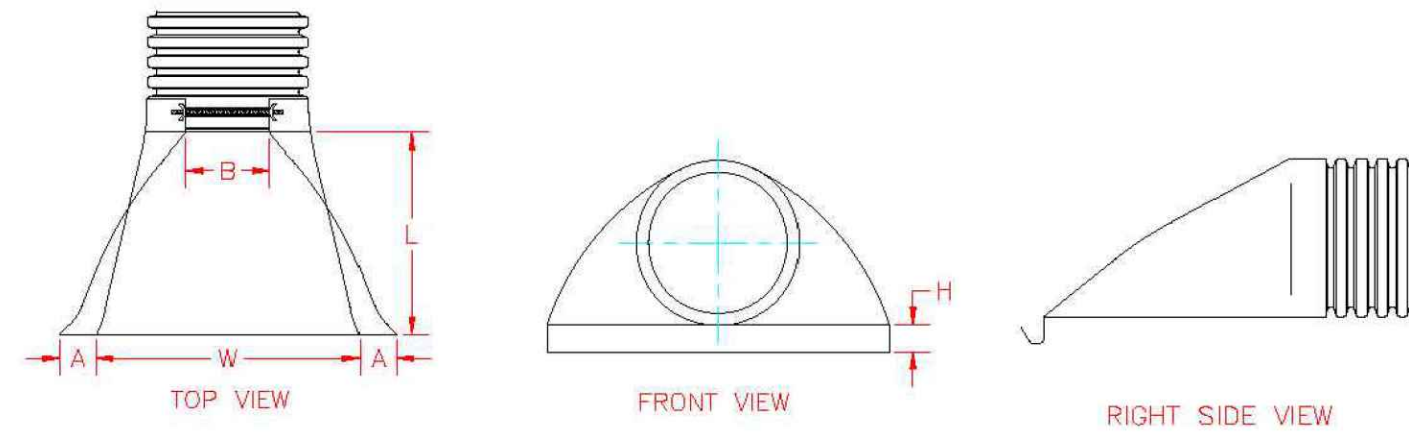
Drawn By: AWC
 Checked By: CJB
 Approved By: KMS
 Project #: 22109401
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 Scale: NTS

Kevin Solli, P.E.
 CT 25759

PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 958 CT ROUTE 163
 MONTVILLE, CONNECTICUT

Sheet Title: DETAIL SHEET
 Sheet #: 3.01

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) in (mm)	10.0 (254)	10.0 (254)	15.0 (381)	18.0 (475)	22.0 (559)	25.0 (635)
H in (mm)	6.5 (165)	6.5 (165)	6.5 (165)	6.5 (165)	8.6 (218)	8.6 (218)
L in (mm)	25.0 (635)	25.0 (635)	32.0 (813)	36.0 (914)	58.0 (1473)	58.0 (1473)
W in (mm)	29.0 (737)	29.0 (737)	35.0 (889)	45.0 (1143)	63.0 (1600)	63.0 (1600)

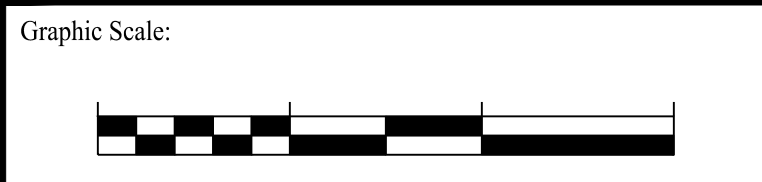


FLARED END SECTION DETAILS

SCALE: NTS

DETAIL PER ADVANCED DRAINAGE SYSTEMS, INC.

Rev. #:	Date	Description



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

Drawn By: AWC
 Checked By: CJB
 Approved By: KMS
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Project:
PROPOSED SOLAR PHOTOVOLTAIC ARRAY
 958 CT ROUTE 163
 MONTVILLE, CONNECTICUT

Sheet Title: **DETAIL SHEET**
 Sheet #: **3.02**