



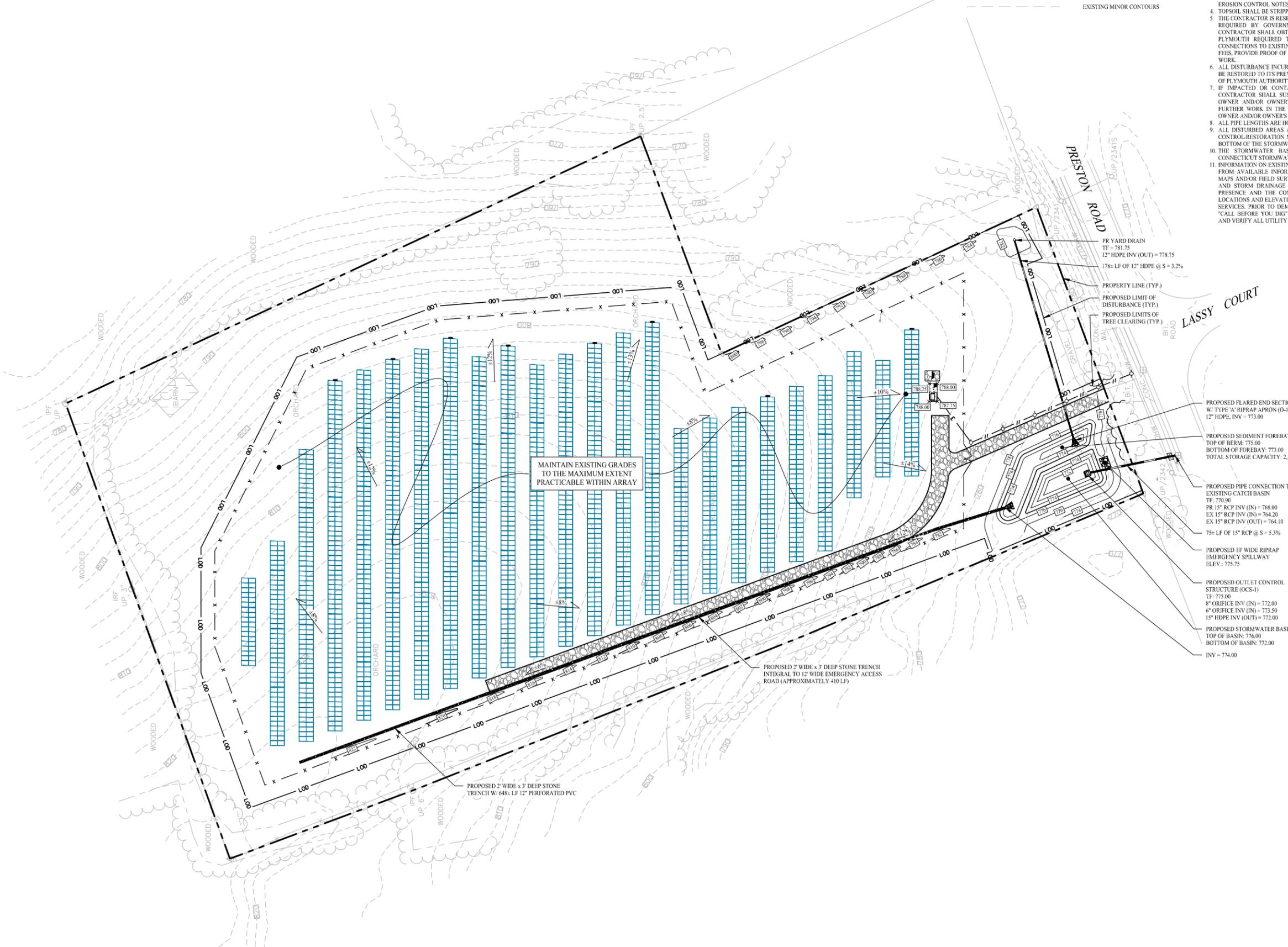
LEGEND

- PROPERTY LINE
- MAJOR CONTOURS
- MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS

GRADING & DRAINAGE NOTES

1. REFER TO THE EXISTING CONDITIONS MAP FOR THE ENTIRE PROPERTY BOUNDARY AND EXISTING CONDITIONS INFORMATION. THE PLAN HEREON DEPICTS A PORTION OF THE PROPERTY IN WHICH THE SITE WORK IS BEING PROPOSED.
2. THIS DRAWING IS INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR DETAILS.
3. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES.
4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY GOVERNMENT AND LOCAL AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS FROM THE TOWN OF PLYMOUTH REQUIRED TO PERFORM ALL WORK, INCLUDING FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
6. ALL DISTURBANCE INCURRED TO TOWN OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF PLYMOUTH AUTHORITY.
7. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE OWNER AND/OR 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.
8. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
9. ALL DISTURBED AREAS ARE TO BE RESEDED WITH ERNMG-611, NEW ENGLAND EROSION CONTROL RESTORATION MIX, OR APPROVED EQUAL, WILL BE USED ON THE SIDE SLOPES & BOTTOM OF THE STORMWATER BASIN.
10. THE STORMWATER BASIN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2024 CONNECTICUT STORMWATER QUALITY MANUAL.
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.

IPF /IP 1.5FT



PR YARD DRAIN  
 TF = 781.75  
 12" HDPE INV (OUT) = 778.75  
 178± LF OF 12" HDPE @ S = 3.2%

PROPERTY LINE (TYP.)  
 PROPOSED LIMIT OF DISTURBANCE (TYP.)  
 PROPOSED LIMITS OF TREE CLEARING (TYP.)

PROPOSED FLARED END SECTION  
 W/ TYPE 'A' RIPRAP APRON (0-1)  
 12" HDPE, INV = 773.00

PROPOSED SEDIMENT FOREBAY  
 TOP OF BERM: 775.00  
 BOTTOM OF FOREBAY: 773.00  
 TOTAL STORAGE CAPACITY: 2,187 C

PROPOSED PIPE CONNECTION TO  
 EXISTING CATCH BASIN  
 TF: 770.90  
 PR 15" RCP INV (IN) = 768.00  
 EX 15" RCP INV (IN) = 764.20  
 EX 15" RCP INV (OUT) = 764.10  
 75± LF OF 15" RCP @ S = 5.3%

PROPOSED 10' WIDE RIPRAP  
 EMERGENCY SPILLWAY  
 ELEV.: 775.75

PROPOSED OUTLET CONTROL  
 STRUCTURE (OCS-1)  
 TF: 775.00  
 8" ORIFICE INV (IN) = 772.00  
 6" ORIFICE INV (IN) = 773.50  
 15" HDPE INV (OUT) = 772.00

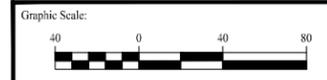
PROPOSED STORMWATER BASIN  
 TOP OF BASIN: 776.00  
 BOTTOM OF BASIN: 772.00  
 INV = 774.00

PROPOSED 2' WIDE x 3' DEEP STONE TRENCH  
 INTEGRAL TO 12' WIDE EMERGENCY ACCESS  
 ROAD (APPROXIMATELY 410 LF)

PROPOSED 2' WIDE x 3' DEEP STONE  
 TRENCH W/ 648± LF 12" PERFORATED PVC

MAINTAIN EXISTING GRADES TO THE MAXIMUM EXTENT  
 PRACTICABLE WITHIN ARRAY

Rev. #:	Date	Description



**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 #:	24121701
Plan Date:	09/26/25
Scale:	1" = 40'



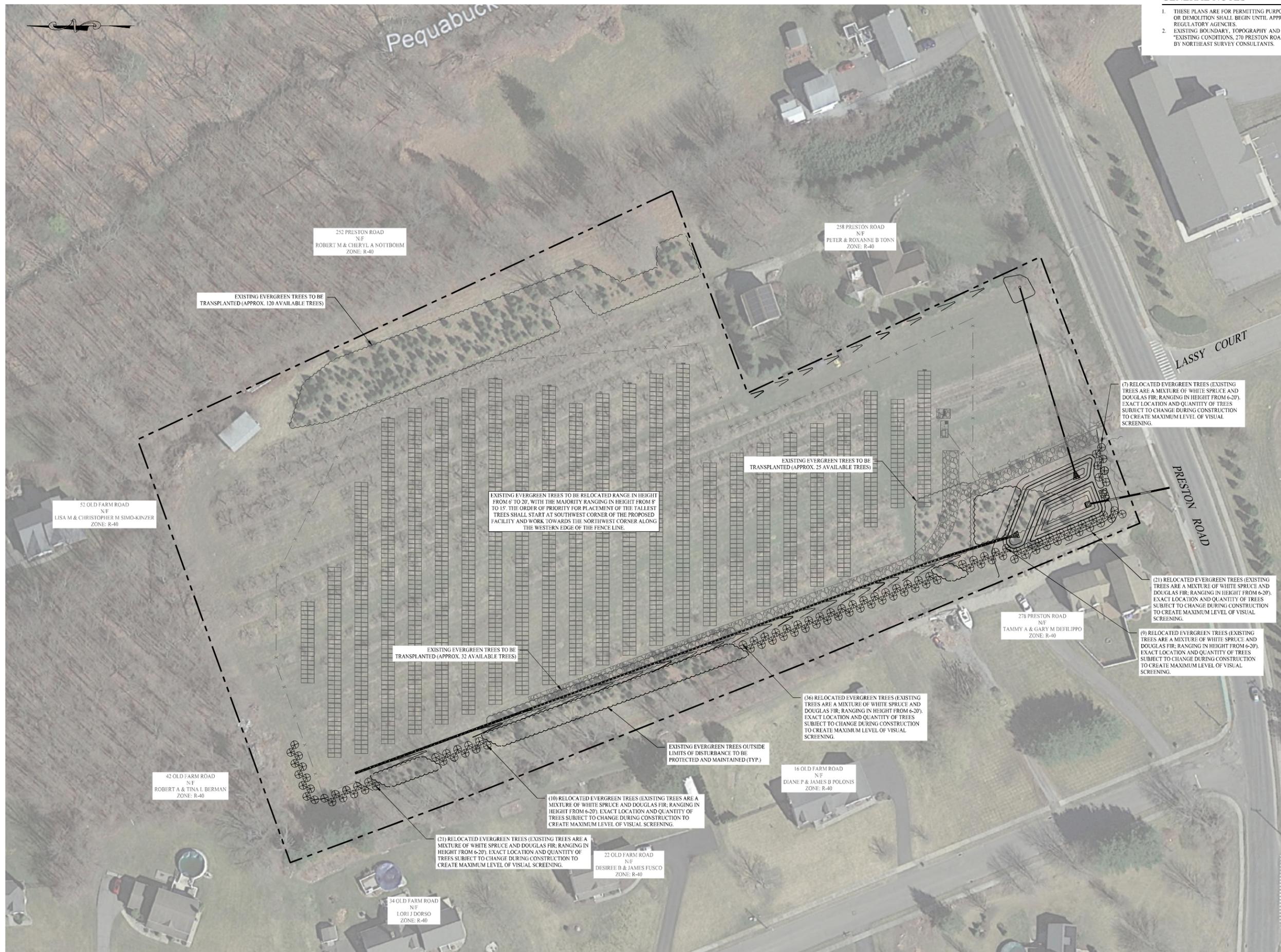
Project:  
**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 270 PRESTON ROAD  
 PLYMOUTH, CONNECTICUT

Sheet Title:	GRADING & DRAINAGE PLAN
Sheet #:	2.21

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**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 "EXISTING CONDITIONS, 270 PRESTON ROAD, PLYMOUTH (TERRYVILLE), CT"; SCALE 1"=50'; DATED: 01-15-2024; BY NORTHEAST SURVEY CONSULTANTS.



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Drawn By:	AWC	
Checked By:	EEL	
Approved By:	KMS	
Project #:	24121701	
Plan Date:	09/26/25	
Scale:	1" = 40'	Kevin Solli, P.E. CT 25759

Project:  
**PROPOSED SOLAR PHOTOVOLTAIC ARRAY**  
 270 PRESTON ROAD  
 PLYMOUTH, CONNECTICUT

Sheet Title:	SCHMATIC LANDSCAPE PLAN	Sheet #:	2.61
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