

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
- 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.
- 4. IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4-6
- 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 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.
- 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:
- A. STAGED CONSTRUCTION;
 B. MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION;
 C. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE; D. MINIMIZE IMPERVIOUS AREAS;
 E. UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.
- 9. THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
 - STORMWATER MANAGEMENT REPORT. SWPCP, TO BE ISSUED AT A LATER DATE.

LEGEND

PROPERTY LINE SILT FENCE PROTECTION 7' TALL CHAIN LINK FENCE

LIMIT OF DISTURBANCE

TEMPORARY SEDIMENT TRAP / BASIN

SILT SACK INLET PROTECTION

CONSTRUCTION ENTRANCE

CONCRETE WASHPIT

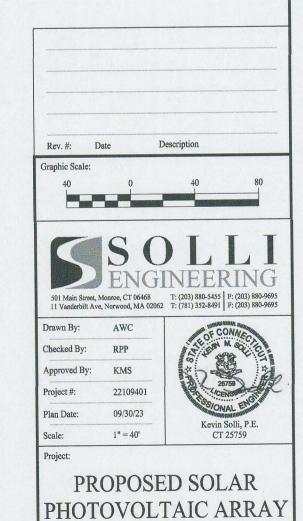
MATERIAL STOCKPILE AREA

CONSTRUCTION SEQUENCE (PHASE II)

- PHASE II:

 1. 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.

 2. 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. 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. TIME PERIOD IS LESS.



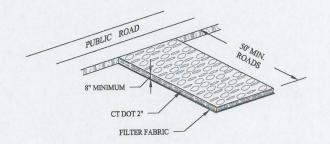
958 CT ROUTE 163 MONTVILLE, CONNECTICUT

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SOIL EROSION &

SEDIMENT

CONTROL PLAN PHASE II



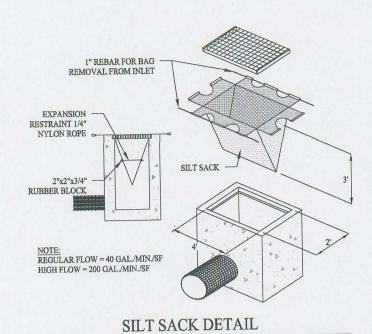
GRADATION TABLE

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

 $\underline{\text{SOURCE}}$. U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

CONSTRUCTION ENTRANCE

SCALE: NTS

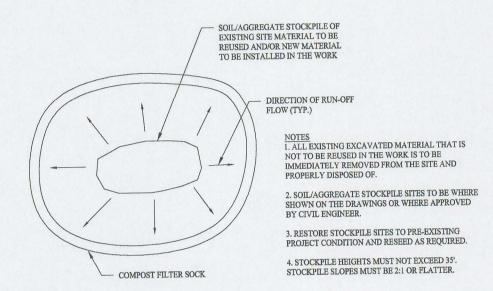


SCALE: NTS

PLACE A SANDBAG AT END OF WATTLE, NEAR OVERLAP, TO HOLD IN PLACE AND EVERY 10' WIRE TIED (TYP.) -(APPLICABLE INSTALLATION ON PAVEMENT / CONCRETE AREAS) AREA TO BE PROTECTED - STRAW WATTLE (12" TYP.) OVERLAP ENDS OF WATTLE SECURE WITH -ZIP-TIE PER MANUFACTURERS
RECOMMENDATIONS
(1' MIN. - 3' MAX.)

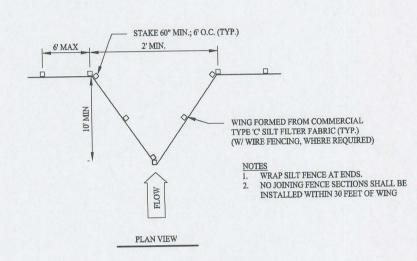
COMPOST FILTER SOCK

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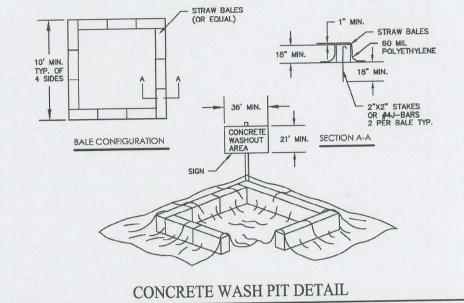
MATERIALS STOCKPILE DETAIL

SCALE: NTS

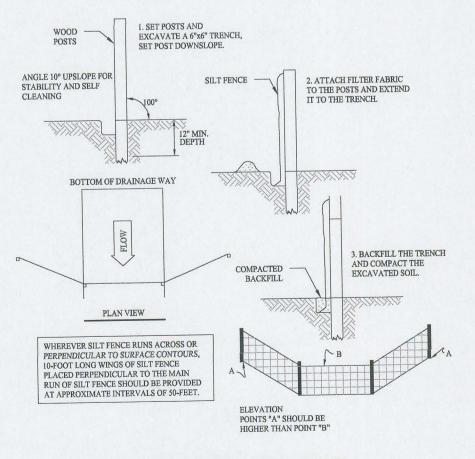


SILT FENCE WING DETAIL

SCALE: NTS

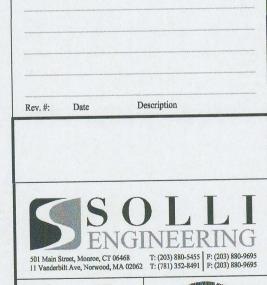


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SILT FENCE PROTECTION DETAIL

SCALE: NTS



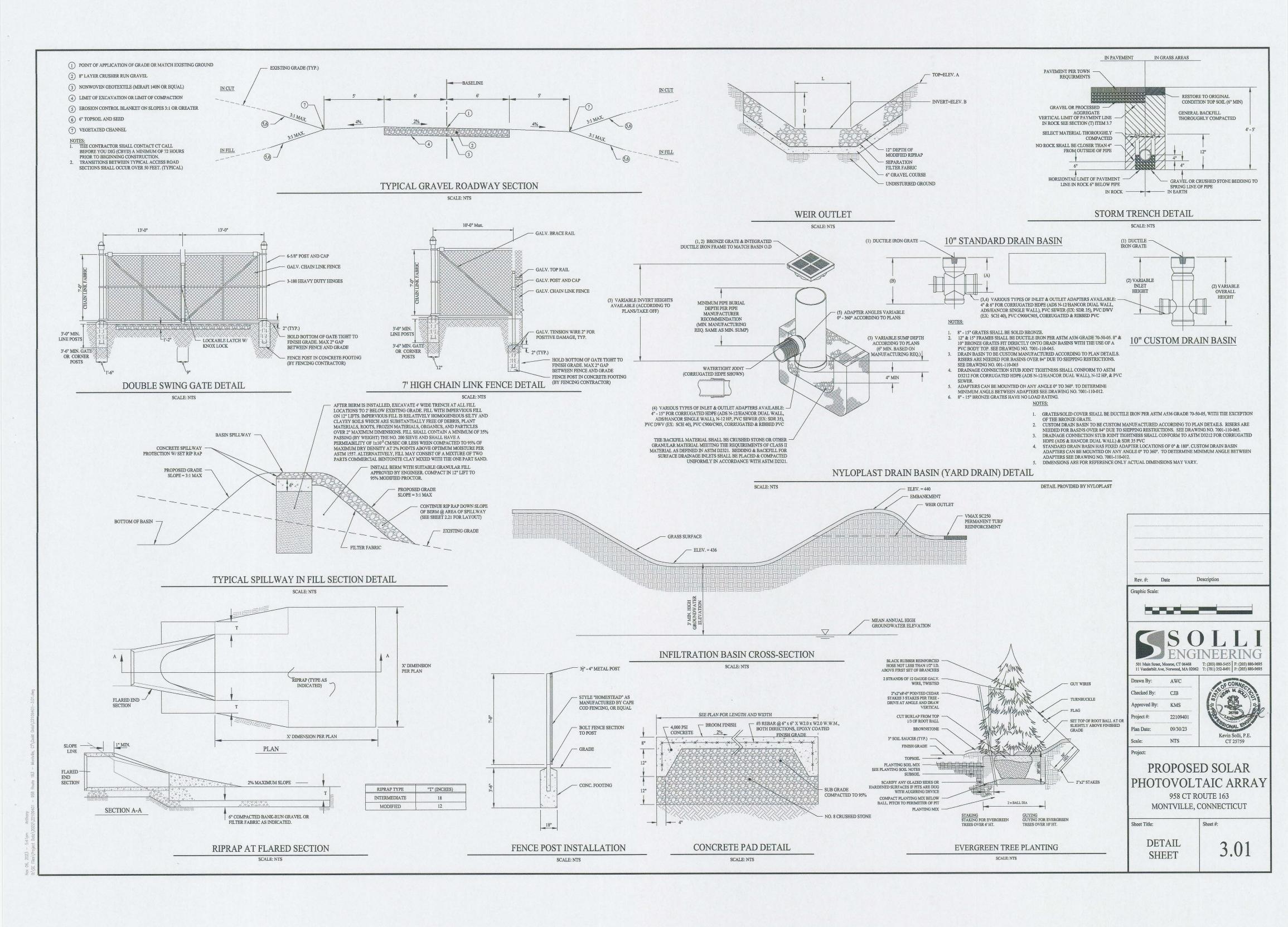
Drawn By: CMH Checked By: CJB Approved By: Project #: 22109401 Plan Date: 09/30/23

PROPOSED SOLAR PHOTOVOLTAIC ARRAY

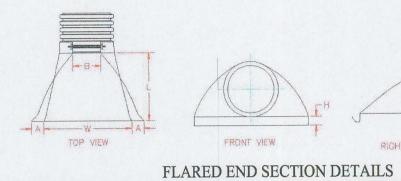
> 958 CT ROUTE 163 MONTVILLE, CONNECTICUT

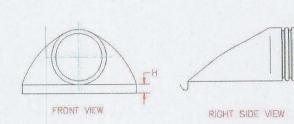
Sheet Title: SOIL EROSION & SEDIMENT CONTROL **DETAILS**

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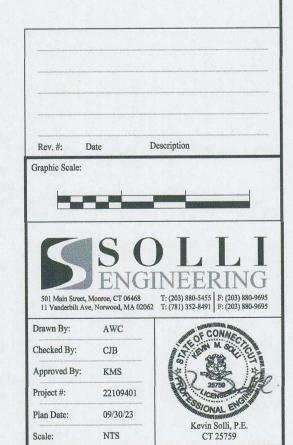
PIPE DIAMETER, in (mm)								
Diameter	12	15	18	24	30	36		
in (mm)	(300)	(375)	(450)	(600)	(750)	(900)		
A	6.5	6.5	7.5	7.5	7.5	7.5		
in (mm)	(165)	(165)	(191)	(191)	(191)	(191)		
B (max)	10.0	10.0	15.0	18.0	22.0	25.0		
in (mm)	(254)	(254)	(381)	(475)	(559)	(635)		
H	6.5	6.5	6.5	6.5	8.6	8.6		
in (mm)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





SCALE: NTS

DETAIL PER ADVANCED DRAINAGE SYSTEMS, INC.



PROPOSED SOLAR

NTS

PHOTOVOLTAIC ARRAY 958 CT ROUTE 163 MONTVILLE, CONNECTICUT

Sheet Title: DETAIL

SHEET

3.02