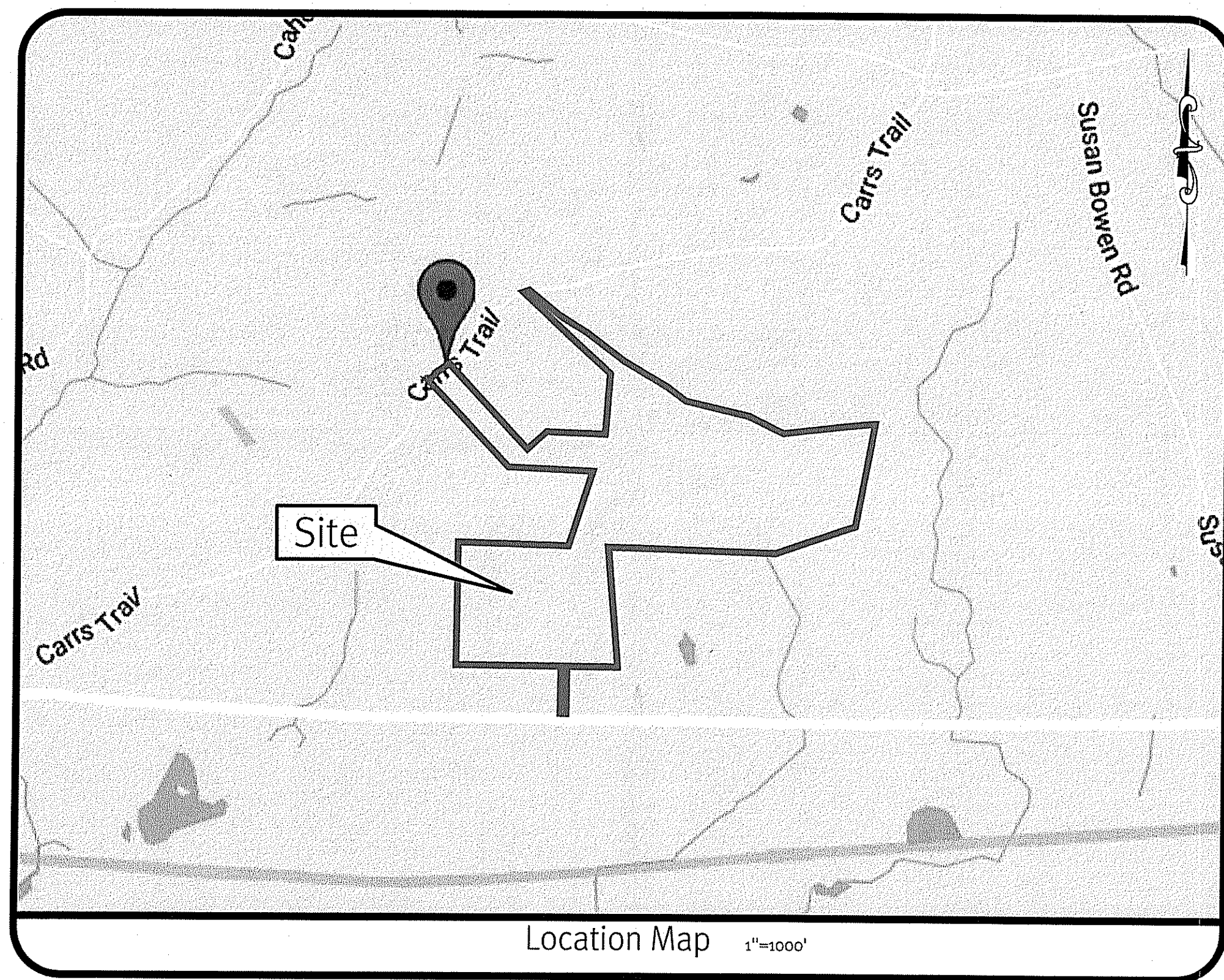


RIDEM Preliminary Determination

WED Coventry Seven

Flat River Road, Coventry, Rhode Island

Assessor's Plat 315 Lots 37.1, 37.5 & 58



Sheet Index

1. Cover Sheet
2. Aerial & USGS Map Sheet
3. Existing Conditions Plan
4. Overall Site Plan
5. Site & Grading Plan
6. Soil Erosion Control Plan
7. Detail Sheet - 1
8. Detail Sheet - 2

Applicant:
WED Coventry Seven, LLC
C/O Mark DePasquale
3760 Quaker Lane
North Kingstown, RI 02852
tel: (401) 295-4998

Property Owner of Record Assessor Plat 315 Lots 37.1 and 37.5:
394 Carrs Trail, LLC
3760 Quaker Lane
North Kingstown, RI 02852

Property Owner of Record Assessor Plat 315 Lot 58:
Mark & June DePasquale
5641 Flat River Road
Coventry, RI 02827

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 11 2018 FILE # 17-0277
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenczek

SESC / O&M
The Soil Erosion and Sediment Control Plan (SESC) and Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.

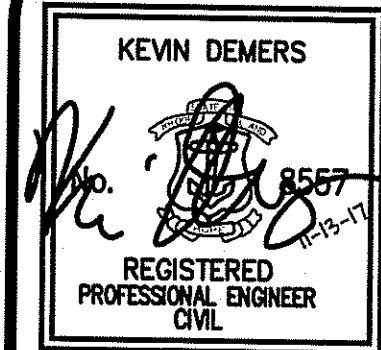
RIDOT
The Proposed Improvements Will Not Increase the Rate of Stormwater Runoff Onto the State Highway. All Work Within the State Right of Way Must Conform to the RI Standard Specifications, Details, and Addendums.

Cover Sheet

WED Coventry Seven
Flat River Road, Coventry, Rhode Island
AP 315 LOTS 37.1, 37.5 & 58

WED Coventry Seven, LLC
c/o Mark DePasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02852
tel. 401-295-4998

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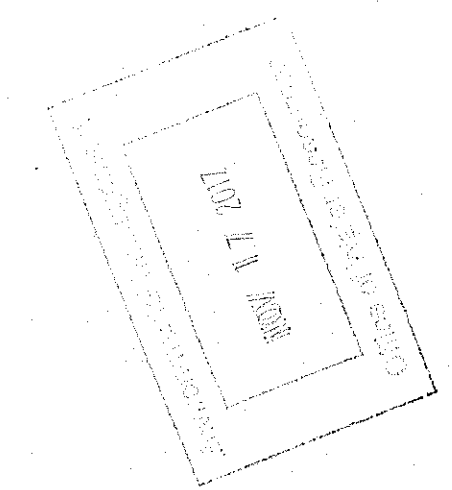


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The contractor is responsible for all of the means, methods, safety precautions and requirements, and for the performance in the implementation of this plan and design.

No.	Date	Description	Design By: R.B.S.
0	11/30/2017	2018 Preliminary Determination	Design By: R.B.S.

Environmental License
17 2017
Checked by: [Signature]
Drawn by: R.B.S.

DiPrete Engineering
Two Stafford Court, Cranston, RI 02920
tel. 401-943-1000 fax. 401-943-6006 www.diprete-eng.com
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z:\demals\projects\0601-013\coventry\site\background.dwg Plot Date: 11/15/2017

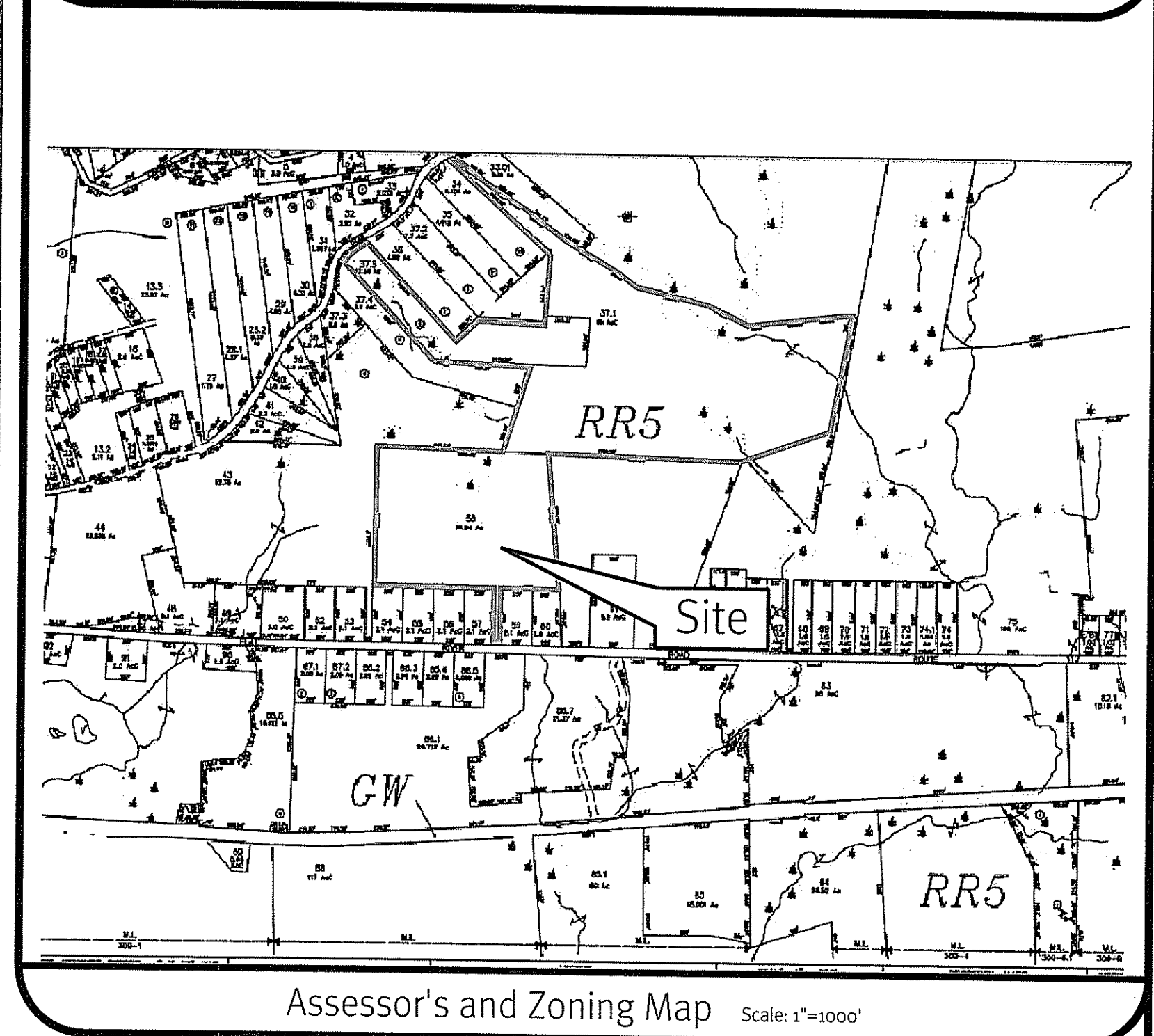
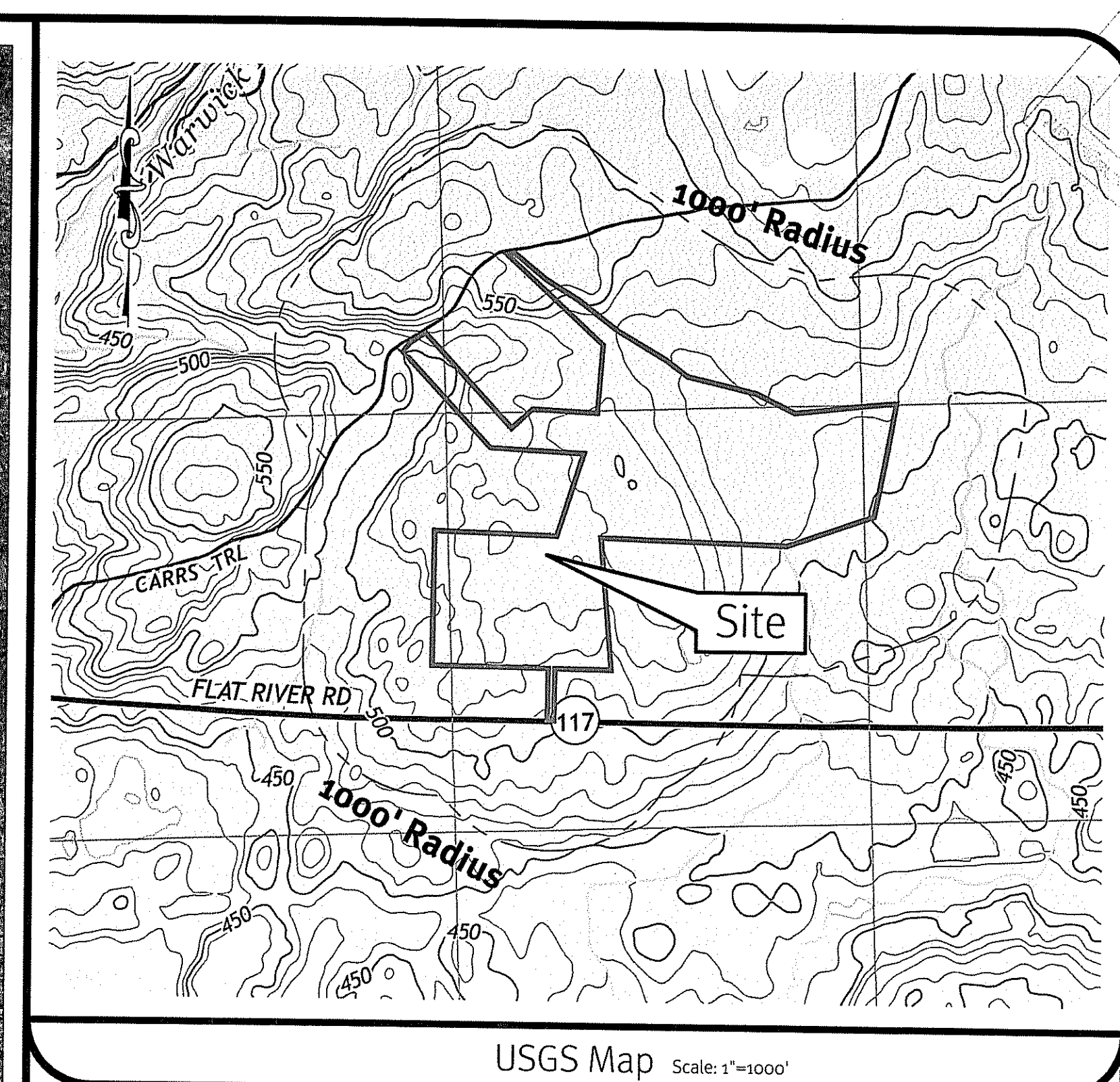
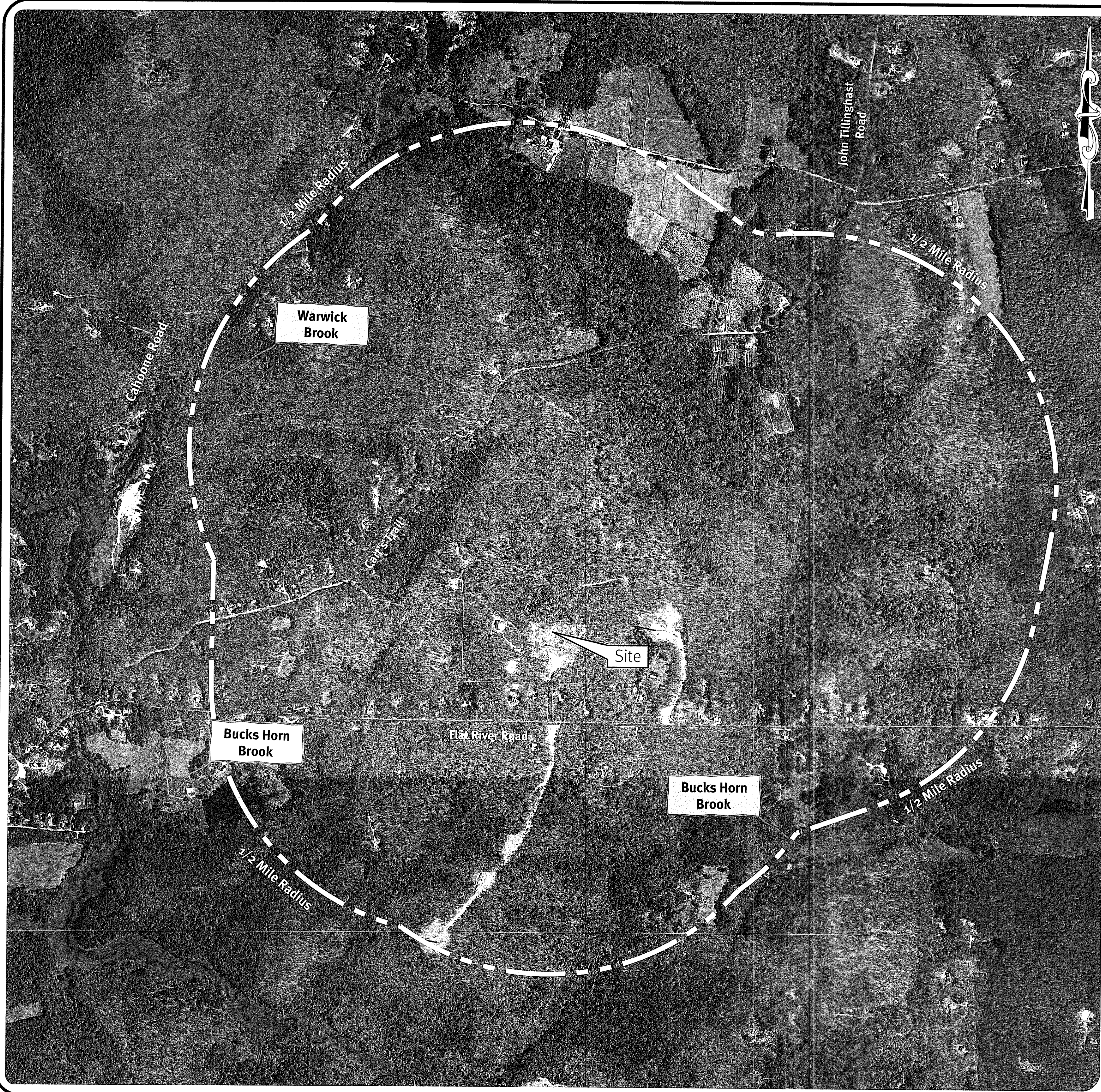


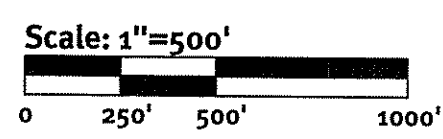
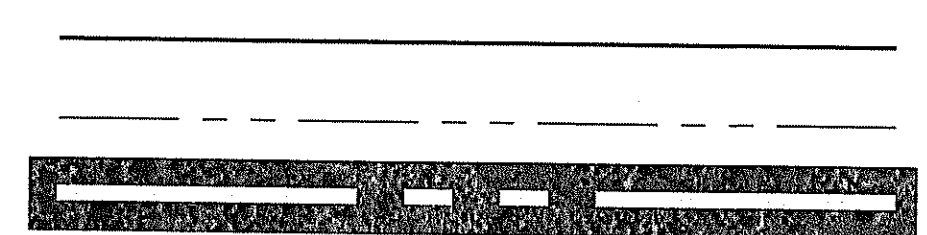
Photo obtained from the RIGIS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Martin D. Wenczek

Legend:

- PROPERTY LINE
- 1000' RADIUS LINE
- HALF MILE RADIUS LINE



Diprete Engineering
 Two Stafford Court, Cranston, RI 02920
 Tel: 401-943-1000 Fax: 401-464-6006 www.diprete-eng.com

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KEVIN DEMERS

 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

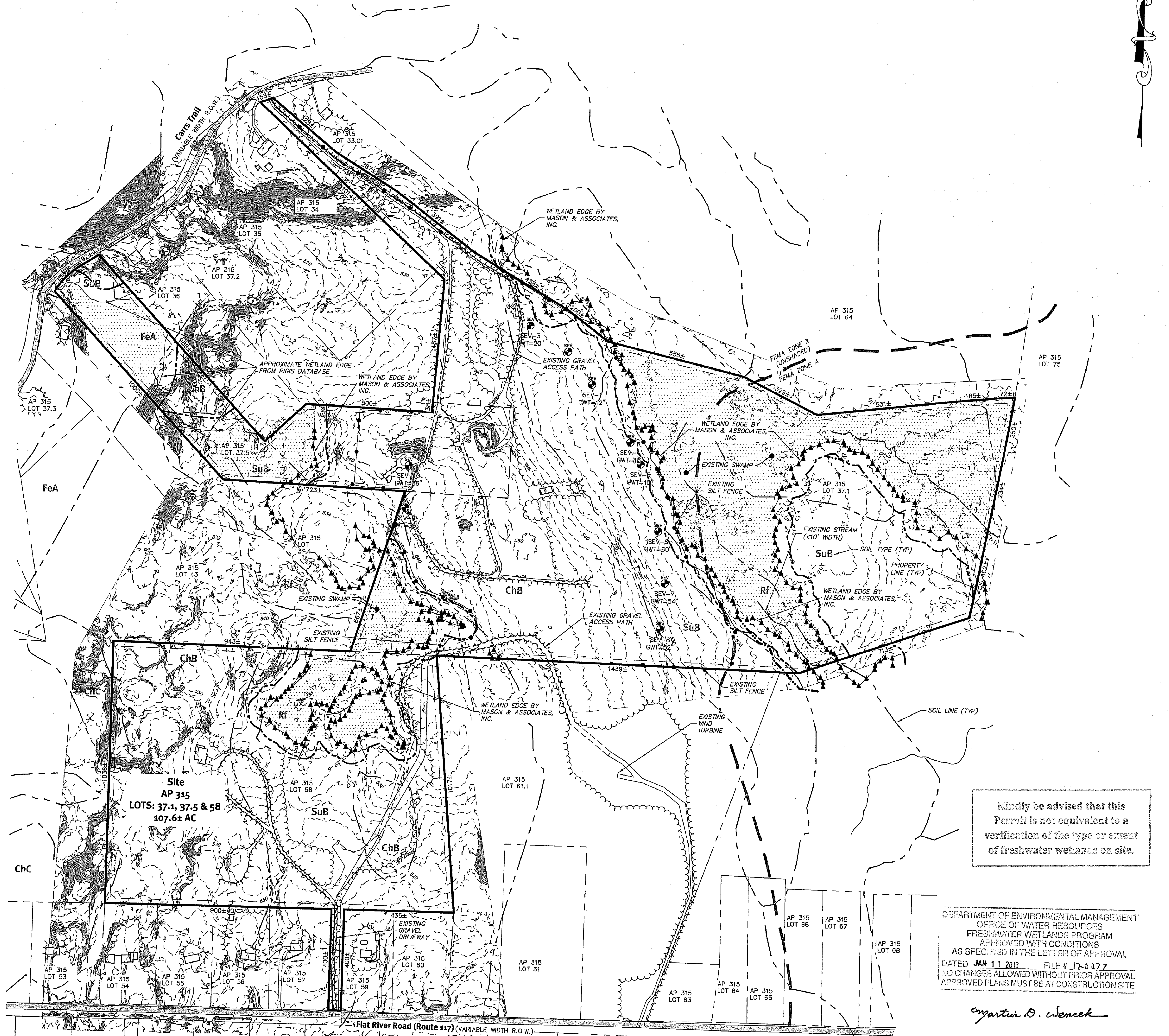
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The contractor is responsible for all of the means, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	By:
0	11-13-2017	00000 Preliminary Determination	Design By: R.B.S.

Aerial & USGS Map Sheet
WED Coventry Seven
 Flat River Road, Coventry, Rhode Island
 AP 315 LOTS 37-1, 37-5 & 38
WED Coventry Seven, LLC
 c/o Mark DePasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02882
 Tel. 401-295-4998

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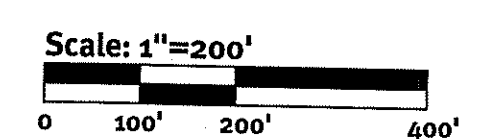


Site
 AP 315
 LOTS: 37.1, 37.5 & 58
 107.6± AC

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 11 2018 FILE # 17-0 327
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Jonathan D. Wenzel



General Notes:

1. THE SITE IS LOCATED ON THE TOWN OF COVENTRY ASSESSOR'S PLAT 315 LOTS 37.1, 37.5 AND 58.
2. THE SITE IS APPROXIMATELY 107.6± ACRES AND IS ZONED RR-5.
3. THE OWNER OF AP 315 LOTS 37.1 & 37.5 IS:
 394 CARRS TRAIL, LLC
 3760 QUAKER LANE
 NORTH KINGSTOWN, RI 02852
- THE OWNER OF AP 315 LOT 58 IS:
 MARK & JUNE DEPASQUALE
 5641 FLAT RIVER ROAD
 COVENTRY, RI 02827
- THE APPLICANT OF AP 315 LOTS 37.1, 37.5 & 58 IS:
 WED COVENTRY SEVEN, LLC
 C/O MARK DEPASQUALE
 3760 QUAKER LANE
 NORTH KINGSTOWN, RI 02852
3. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (UNSHADED) AND A. REFERENCE FEMA FLOOD INSURANCE RATE MAP 440030080G, MAP REVISED DECEMBER 3, 2010. (FLOOD PLAIN DESCRIPTIONS SHOWN ABOVE)
4. ZONE A - THIS SITE IS LOCATED IN FEMA FLOOD ZONE A. ZONE A ARE AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED.
 ZONE X (UNSHADED) - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X ARE AREAS WHERE THERE IS MINIMAL FLOODING.
5. THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSIDERED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
6. TOPOGRAPHY PRODUCED FROM RIGIS LIDAR MAPPING 2014.
7. SOIL MAPPING OBTAINED FROM "SOIL SURVEY OF RHODE ISLAND", PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE, DATED 1981.
8. WETLANDS IN PROXIMITY OF THE PROPOSED SOLAR PROJECT WERE DELINEATED BY MASON & ASSOCIATES, INC. LOCATIONS ARE BASED ON SURVEY LOCATIONS BY OTHERS. APPROXIMATE WETLANDS WERE FURTHER COMPILED THROUGH RIGIS MAPPING.
9. THE SITE IS LOCATED WITHIN THE WESTERN COVENTRY FIRE DISTRICT.
10. SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON AUGUST 11TH, 2017.
11. COMPILED LIDAR EXISTING CONDITIONS SHOWN ARE ACCURATE AS OF THE BEGINNING OF 2016 PRIOR TO RECENT CLEARING WORK.

Plan Reference:

REFERENCE BOUNDARY SURVEY TITLED "PLAT OF SURVEY, A.P. 315, LOTS 37.5 & 37.1, 394 CARRS TRAIL, COVENTRY, RHODE ISLAND" DATED DECEMBER 28, 2014, REVISED DECEMBER 29, 2014 AND JANUARY 11, 2015 BY ATLAS LAND SURVEYING, LLC, 91 PARKWAY DRIVE, WARWICK, RHODE ISLAND 02886.

Soil Information:

(REFERENCE: SOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
ChB	CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES
ChC	CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 8 TO 15 PERCENT SLOPES
FeA	FREETOWN MUCK 0 TO 1 PERCENT SLOPES
Rf	RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS
SuB	SUTTON VERY STONY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES

Dimensional Regulations:

ZONING DISTRICT	RR5 OTHER PERMITTED USE
USE	5 ACRE
MINIMUM LOT AREA	300'
MINIMUM FRONTAGE AND LOT WIDTH:	100'
MINIMUM FRONT:	85'
MINIMUM SIDE YARD:	150'
MINIMUM REAR YARD:	35'
MAXIMUM STRUCTURE HEIGHT:	15'
MAXIMUM LOT COVERAGE (STRUCTURE+IMPERVIOUS):	2,935'
LENGTH OF GRAVEL ACCESS ROAD:	

ACCESSORY STRUCTURES IN A RR-5 ZONE SHALL BE LOCATED 50 FEET FROM ANY LOT LINE EXCEPT AS OTHERWISE PERMITTED IN ARTICLE 9 SECTION 920.

Legend:

EX MAJOR FOOT CONTOUR	---160---
EX MINOR FOOT CONTOUR	---150---
SOIL LINE AND DESIGNATION	HkC CaD
PROPERTY LINE	---
INTERNAL LOT LINE	---
ASSESSOR LINE	---
SETBACK	---
WETLAND EDGE	---
WETLAND HATCH
STREAM CENTERLINE	---
50' PERIMETER WETLAND	---
100' RIVERBANK WETLAND	---
WETLAND FLAG	▲100
EDGE OF PAVEMENT	---
ASPHALT PAVEMENT	---
BUILDING	---
TREELINE	---
SLOPE >15%	---

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KEVIN DEMERS
Kevin Demers
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

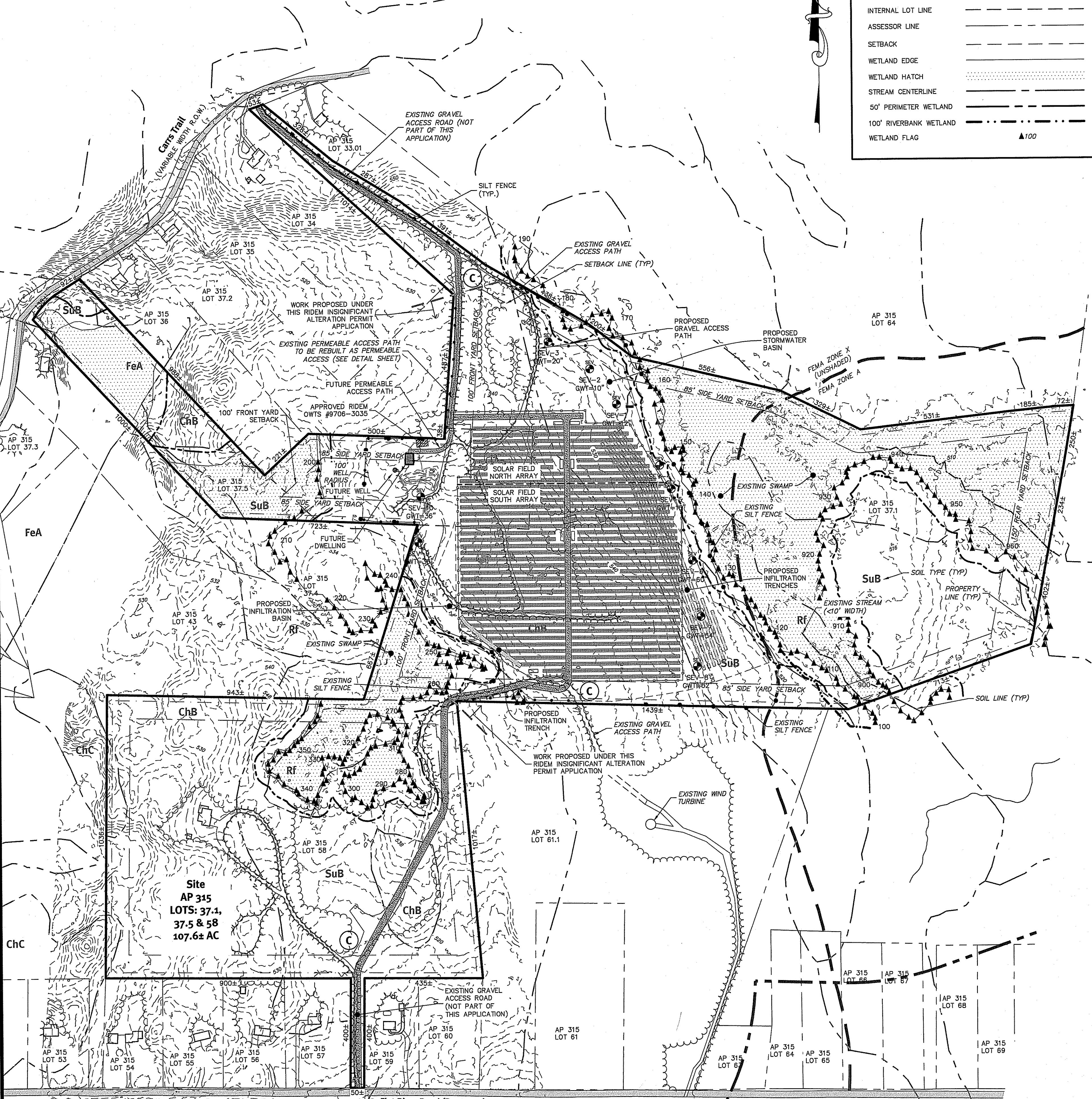
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No.	Date	Description	IA/C	By:
0	11-13-2017	RR5 Preliminary Determination		Design By: R.B.S.
1				Drawn By: R.B.S.

Existing Conditions Plan
WED Coventry Seven
 Flat River Road, Coventry, Rhode Island
 AP 315 Lots 37.1, 37.5 & 58
WED Coventry Seven, LLC
 c/o Mark Depasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02882
 Tel: 401-595-6598
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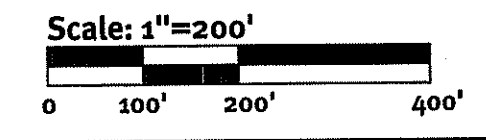
Legend:

EX MAJOR FOOT CONTOUR	---	EDGE OF PAVEMENT	---
EX MINOR FOOT CONTOUR	---	ASPHALT PAVEMENT	▨
SOIL LINE AND DESIGNATION	HkC CaD	EXISTING BUILDING	▨
PROPERTY LINE	---	TREELINE	~
INTERNAL LOT LINE	---	20FT VEGETATED BUFFER	▨
ASSESSOR LINE	---	PROPOSED SOLAR FIELD	▨
SETBACK	---	FUTURE DWELLING	▨
WETLAND EDGE	---	FUTURE OWTS	▨
WETLAND HATCH	▨	PROPOSED EDGE OF PATH	---
STREAM CENTERLINE	---	PROPOSED ACCESS PATH	---
50' PERIMETER WETLAND	---	PROPOSED CHAINLINK FENCE	---
100' RIVERBANK WETLAND	---	PROPOSED 10,000 GALLON CISTERN	(C)
WETLAND FLAG	▲100	PROPOSED BMP OUTLINE	---



Site
AP 315
LOTS: 37.1,
37.5 & 58
107.6± AC

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



General Notes:

- THE SITE IS LOCATED ON THE TOWN OF COVENTRY ASSESSOR'S PLAT 315 LOTS 37.1, 37.5 AND 58.
- THE SITE IS APPROXIMATELY 107.6± ACRES AND IS ZONED RR-5.
- THE OWNER OF AP 315 LOTS 37.1 & 37.5 IS: 394 CARRS TRAIL, LLC
3760 QUAKER LANE
NORTH KINGSTOWN, RI 02852
- THE OWNER OF AP 315 LOT 58 IS: MARK & JUNE DEPASQUALE
5641 FLAT RIVER ROAD
COVENTRY, RI 02827
- THE APPLICANT OF AP 315 LOTS 37.1, 37.5 & 58 IS: WED COVENTRY SEVEN, LLC
C/O MARK DEPASQUALE
3760 QUAKER LANE
NORTH KINGSTOWN, RI 02852
- THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (UNSHADED) AND A. REFERENCE FEMA FLOOD INSURANCE RATE MAP 440300080, MAP REVISED DECEMBER 3, 2010. (FLOOD PLAIN DESCRIPTIONS SHOWN BELOW)
- ZONE A - THIS SITE IS LOCATED IN FEMA FLOOD ZONE A. ZONE A ARE AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED.
- ZONE X (UNSHADED) - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X ARE AREAS WHERE THERE IS MINIMAL FLOODING.
- THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND MAY BE SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.
- THE SITE IS NOT WITHIN A:
 - GROUNDWATER PROTECTION AREA (RIDEM)
 - NATURAL HERITAGE AREAS (RIDEM)
 - NARROW RIVER SPECIAL AREA MANAGEMENT PLAN (CRMC)
 - SALT PONDS SPECIAL AREA MANAGEMENT PLAN (CRMC)
 - GROUNDWATER PROTECTION OVERLAY DISTRICT (TOWN)
- THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
 - SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
 - EROSION CONTROL MEASURES
 - SHORT TERM MAINTENANCE
 - ESTABLISHMENT OF VEGETATIVE COVER
 - CONSTRUCTION POLLUTION PREVENTION
 - SEQUENCE OF CONSTRUCTION
 - OPERATIONS AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS THE FOLLOWING:
 - LONG TERM MAINTENANCE
 - LONG TERM POLLUTION PREVENTION
- THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X.). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: [HTTP://WWW.DOT.RI.GOV/BUSINESS/CONTRACTORSANDCONSULTANTS.PHP](http://www.dot.ri.gov/business/contractorsandconsultants.php).
- TOPOGRAPHY PRODUCED FROM RIGIS LIDAR MAPPING 2014.
- SOIL MAPPING OBTAINED FROM "SOIL SURVEY OF RHODE ISLAND", PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE. DATED 1981.
- WETLANDS IN PROXIMITY OF THE PROPOSED SOLAR PROJECT WERE DELINEATED BY MASON & ASSOCIATES, INC. LOCATIONS ARE BASED ON SURVEY LOCATIONS BY OTHERS. APPROXIMATE WETLANDS WERE FURTHER COMPILED THROUGH RIGIS MAPPING.
- THE SITE IS LOCATED WITHIN THE WESTERN COVENTRY FIRE DISTRICT.
- THE SITE AS PROPOSED DOES NOT REQUIRE WATER OR SEWER SERVICE.
- THE DRAINAGE SYSTEM IS DESIGNED TO MEET THE TOWN OF COVENTRY'S SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THE STORMWATER MANAGEMENT SYSTEM WILL MEET RIDEM BEST MANAGEMENT PRACTICES.
- THREE 10,000 GALLON FIRE CISTERNS ARE PROPOSED IN THE AREAS SHOWN.
- THE EXISTING ACCESS FROM CARRS TRAIL IS PROPOSED AS A GATED ACCESS ONLY WITH A LOCK BOX FOR EMERGENCY ACCESS.
- A 6FT HIGH SECURITY FENCE WILL BE INSTALLED AROUND THE LIMITS OF THE SOLAR FIELD.
- AP 315 LOT 58 IS INCLUDED IN THE APPLICATION FOR THE SOLE PURPOSE OF PROVIDING ACCESS FROM ROUTE 117 TO AVOID CARRS TRAIL.
- THE SOLAR ARRAY IS SITUATED ON AP 315 LOTS 37.1 AND 37.5.
- LOTS 37.1 AND 37.5 ARE TO BE MERGED THROUGH AN ADMINISTRATIVE SUBDIVISION PRIOR TO SOLAR ARRAY CONSTRUCTION.
- THE PROPOSED SOLAR ARRAYS WILL CONNECT TO EXISTING ELECTRICAL INFRASTRUCTURE ON FLAT RIVER ROAD.
- SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON AUGUST 11, 2017.

Traffic Notes:

- DURING CONSTRUCTION TRAFFIC CONES ARE TO BE USED FOR SEPARATION OF ACTIVE TRAFFIC FROM WORK ZONE.
- DURING CONSTRUCTION FLAGGERS SHALL BE EMPLOYED TO ENSURE SAFETY FOR INTERACTION OF CONSTRUCTION VEHICLES AND ACTIVE TRAFFIC.
- ALL SIGNS, FLAGGERS, TRAFFIC CONTROL DEVICES, AND TEMPORARY TRAFFIC ZONE ACTIVITIES SHALL MEET THE REQUIREMENTS OF THE MUTCD LATEST EDITION AND SUBSEQUENT ADDENDA.
- TEMPORARY CONSTRUCTION SIGNS SHALL BE MOUNTED ON RIDOT APPROVED SUPPORTS AND SHALL BE REMOVED OR COVERED WHEN NOT APPLICABLE.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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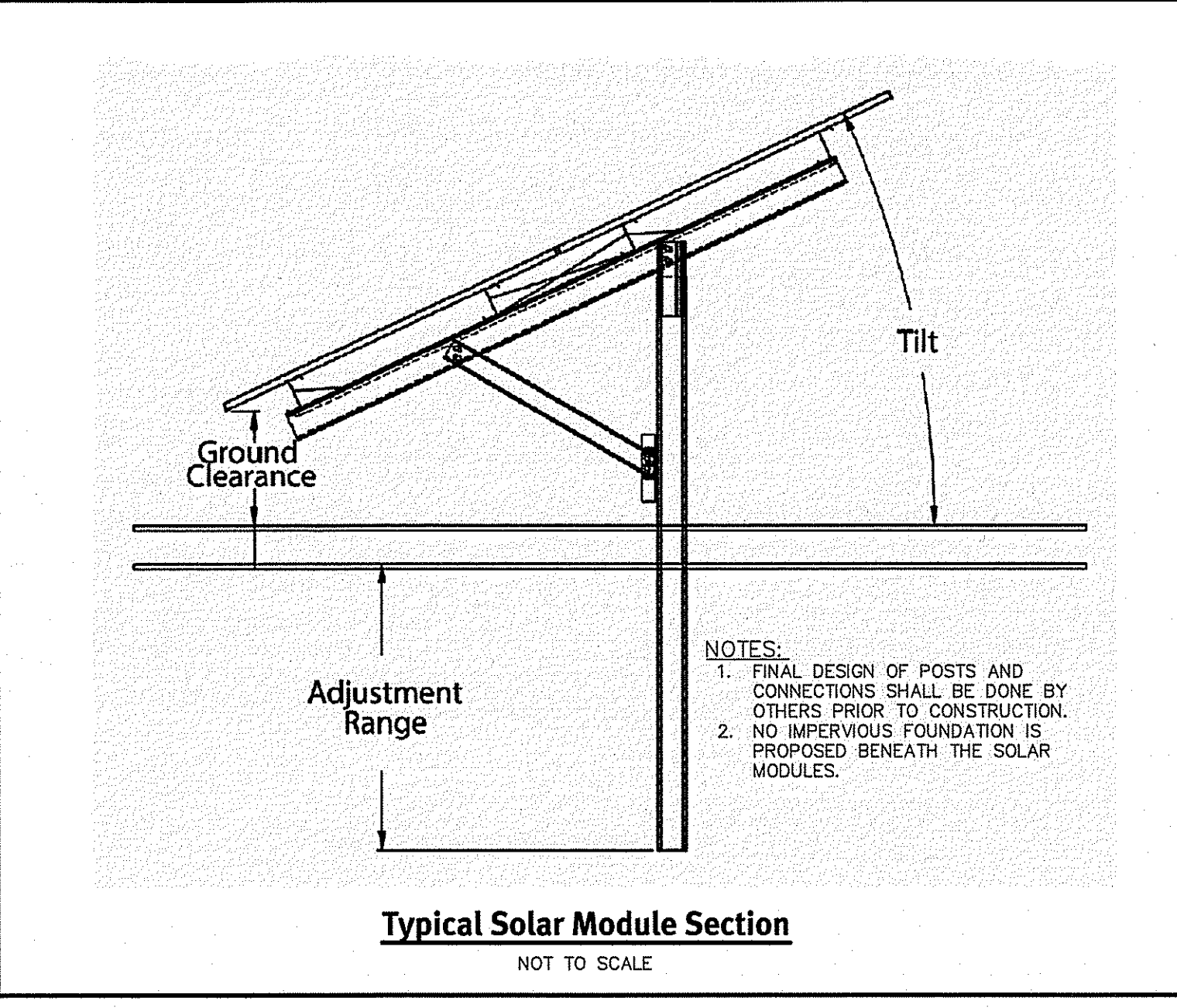
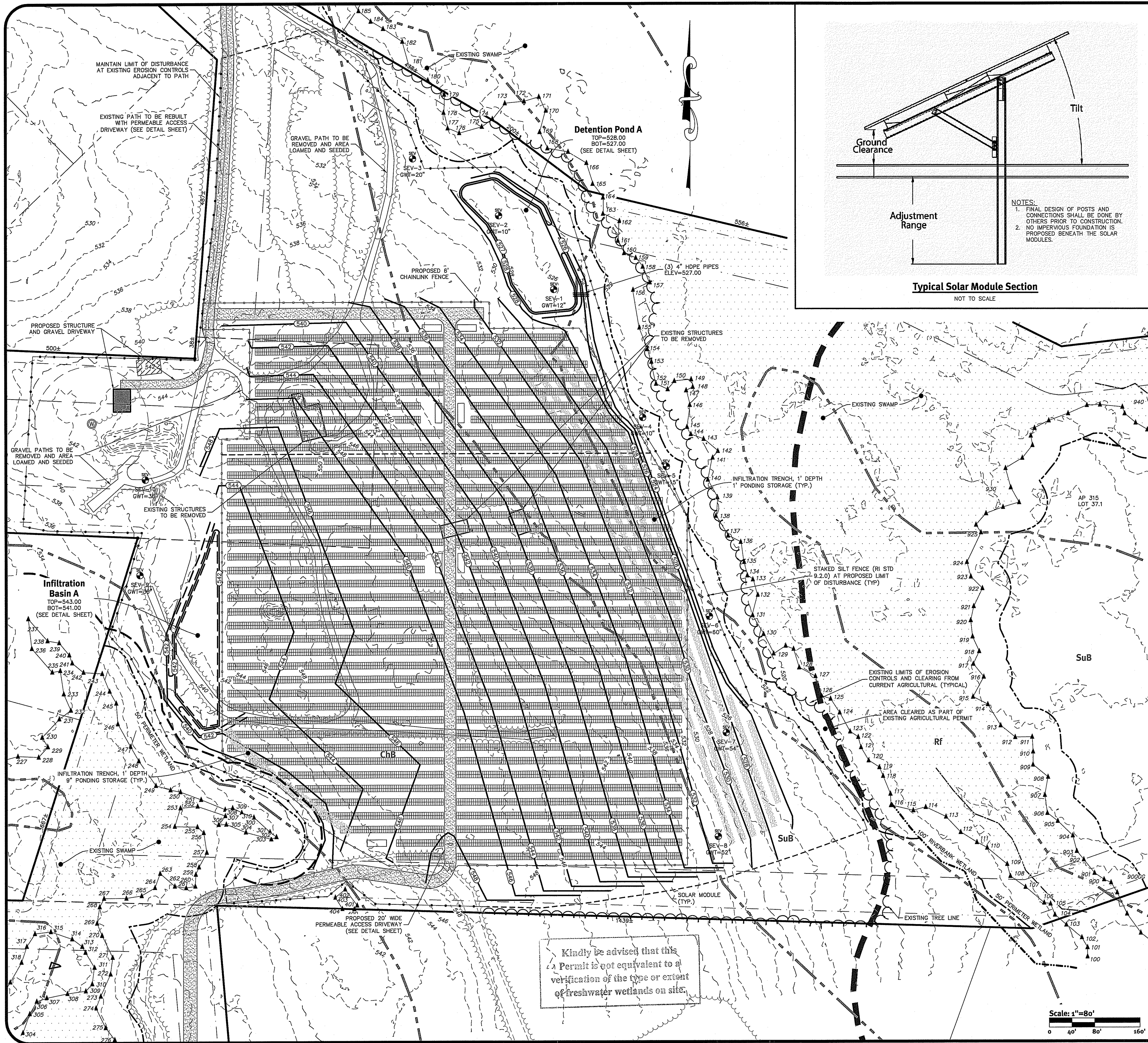
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KEVIN DEMERS
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	By
0	1/13/2018	Final Preliminary Determination	Design By: R.B.S.
1	1/17/2017		

Overall Site Plan
WED Coventry Seven
Flat River Road, Coventry, Rhode Island
AP 315 Lots 37.1, 37.5 & 58
WED Coventry Seven, LLC
c/o Mark DePasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02852
tel: 401-295-4998
DE Job No: 0601-013 Copyright 2017 by DiPrete Engineering Associates, Inc.



Grading and Utility Notes:

- ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233 72 HOURS PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTORS RESPONSIBILITY.
- CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCE DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE SEDIMENTS ON FLAT RIVER ROAD (ROUTE 117).
- ANY DAMAGE TO EXISTING BUILDING AND PROPERTY CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, ALL DISTURBED AREAS INCLUDING THE CONTRACTOR'S STOCKPILE AND STAGING AREAS WITHIN THE LIMIT OF WORK SHALL BE RESTORED TO MATCH THE DESIGN PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON SITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONSTRUCTION TO COMMENCE SPRING 2018 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND TOWN OF COVENTRY STANDARD SPECIFICATIONS AND DETAILS.
- SEQUENCE OF CONSTRUCTION SHOWN IN SESS MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE SOLAR PANELS TO ENSURE SURFACE WATER AND/OR GROUND WATER ARE DIRECTED AWAY FROM THE SOLAR PANELS.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
- ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SOLAR PROJECT AREA TO BE COORDINATED WITH APPLICANT AND ENGINEER PRIOR TO INSTALLATION.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION INCLUDING ALL REVISIONS.
- ALL CUT AND FILL AREAS ARE TO BE DONE UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER WITH TESTING AND CERTIFICATION TO BE PROVIDED TO THE APPLICANT AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING ASSOCIATES, INC. IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
- NO STOCKPILING OF MATERIAL TO BE LOCATED IN THE RIGHT OF WAY AND NO OPEN TRENCHES ARE TO BE LEFT OVERNIGHT.
- ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
- ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ONSITE OR REMOVED.
- NO STUMP DUMPS ARE PROPOSED ON SITE.
- IF CONCRETE TRUCKS ARE WASHED OUT ONITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.

Solar Field Regulations:

	REQUIRED	PROVIDED
MAX KW FOR MINOR LAND DEVELOPMENT*	250KW	>250KW
MAX NET BUILDABLE AREA**	40%	44%
FOR MINOR LAND DEVELOPMENT*		

*IN ACCORDANCE WITH ARTICLE 21 SECTION 2131
 **IN ACCORDANCE WITH ARTICLE 21 SECTION 2111(C) - NET BUILDABLE AREA IS THE TOTAL AREA OF THE APPLICABLE LOT MINUS SETBACKS, VEGETATED BUFFERS AND WETLANDS.

NET BUILDABLE AREA CALCULATION
 AREA LOT 37.1 63.10 AC
 AREA LOT 37.5 12.63 AC
 TOTAL COMBINED AREA 75.73 AC

SETBACK AREA**** 25.14 AC
 WETLAND AREA*** 13.20 AC
 TOTAL EXCLUDED AREA 38.34 AC

TOTAL COMBINED AREA - TOTAL EXCLUDED AREA = BUILDABLE AREA
 75.73 AC - 38.34 AC = 37.39 AC

***DOES NOT INCLUDE WETLAND OR BUFFER AREA WITHIN SETBACKS
 ****INCLUDES 20' VEGETATED BUFFER

(SOLAR FIELD AREA / BUILDABLE AREA) X 100% = NET BUILDABLE AREA
 (7.83 AC / 37.39 AC) X 100% = 20.94%

THE PROJECT IS CONSIDERED A MAJOR LAND DEVELOPMENT

Solar Panel Information

SOUTH ARRAY PANEL INFORMATION

MODEL: YINGLI YGE-U
 72 CELL
 320W
 DIMENSIONS: 1960 X 990MM

NORTH ARRAY

PANEL COUNT: 13,198
 CAPACITY (DC): 4,222 MW
 ARRAY TYPE: FIXED
 AZIMUTH (DEG): 180°

NORTH ARRAY PANEL INFORMATION

MODEL: YINGLI YGE-U
 72 CELL
 320W
 DIMENSIONS: 1960 X 990MM

SOUTH ARRAY

PANEL COUNT: 3,120
 CAPACITY (DC): 998 KW
 ARRAY TYPE: FIXED
 AZIMUTH (DEG): 180°

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WETLANDS RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED IN THE LETTER OF APPROVAL
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 11 2018 FILE # 17-03-77
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Yvonne D. Weneck

Landscape Notes:

- THE CONTRACTOR IS TO SEED PROPOSED GRASSED AREAS WITH LOW GROWTH, SHADE TOLERANT, DROUGHT TOLERANT NATIVE GRASSES (NO FERTILIZER TO MAINTAIN GROWTH).
- PUBLIC TREES THAT ARE REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUIVALENT.

Diprete Engineering
 Two Stafford Court Cranston, RI 02920
 Tel: 401-943-1000 Fax: 401-943-6006 www.diprete-eng.com

Boston Providence Newport

KEVIN DEMERS

 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

This regulatory submission set shall not be used for construction purposes unless stamped 'Issued for Construction' and signed by a Diprete Engineering representative.

The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	Drawn By: R.B.S.	Design By: R.B.S.
0	11/15/2017	ISSUED FOR CONSTRUCTION		

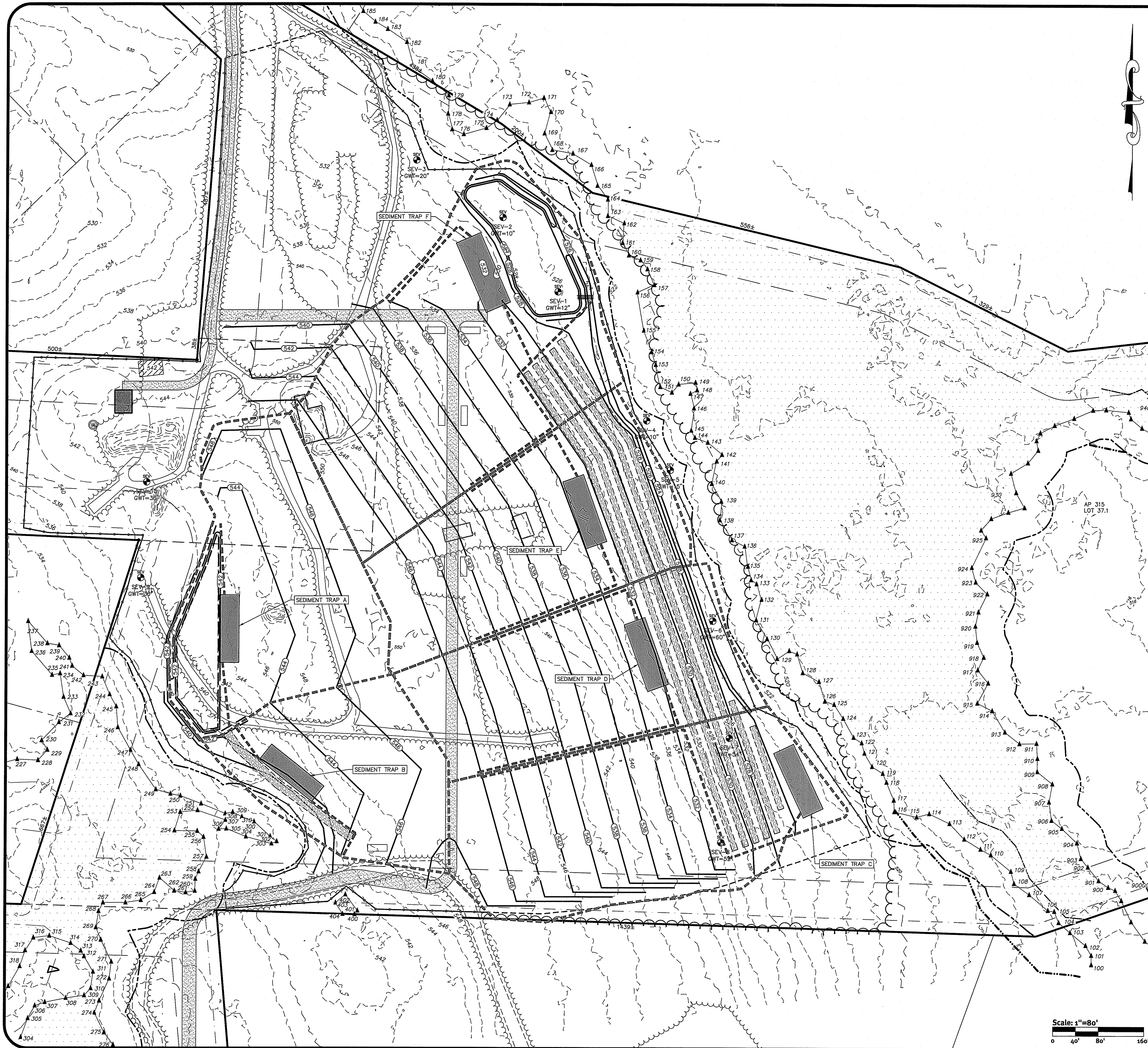
NOV 17 2017
 OFFICE OF WETLANDS RESOURCES
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Site & Grading Plan
WED Coventry Seven
 Flat River Road, Coventry, Rhode Island
 AP 315 LOTS 37.4, 37.5 & 38

WED Coventry Seven, LLC
 c/o Mark DePasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02882
 Tel: 401-295-1998

DE Job No: 0801-013 Copyright © 2017 by Diprete Engineering Associates, Inc.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



SESC Notes:

- ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233, 72 HOURS PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTOR'S RESPONSIBILITY.
- CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCE DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE SEDIMENTS ON FLAT RIVER ROAD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) ALL MATERIALS INDICATED ON THE PLANS UNLESS SPECIFIED OTHERWISE HERE IN. R&D MATERIALS TO INCLUDE BUT NOT LIMITED TO GRAVEL, TREES, STUMPS AND ANY EXCESS SOIL THAT IS NOT INCORPORATED INTO THE WORK.
- IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, ALL DISTURBED AREAS INCLUDING THE CONTRACTOR'S STOCKPILE AND STAGING AREAS WITHIN THE LIMIT OF WORK SHALL BE RESTORED TO MATCH THE DESIGN PLANS.

General Notes:

- THE SITE IS PROPOSED TO BE BUILT IN ONE PHASE, EACH CATCHMENT AREA IS UNDER 5 ACRES.
- CONTRACTOR SHALL PROVIDE STORAGE FOR WATER AS NECESSARY TO ENSURE PROPER DUST CONTROL.
- ALL EROSION CONTROL, TEMPORARY SWALES, TEMPORARY SEDIMENTATION TRAPS, ETC. SHALL BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL, LATEST EDITION AND THE SOIL EROSION SEDIMENTATION CONTROL PLAN (SESC).
- TEMPORARY SWALES SHALL BE USED TO CONTROL RUNOFF DURING CONSTRUCTION. EROSION CONTROL MATS SHALL BE INSTALLED IF NECESSARY TO PREVENT EROSION AND SUPPORT VEGETATION. AFTER CONSTRUCTION IS COMPLETE AND TRIBUTARY AREAS TO THE SWALES HAVE BEEN STABILIZED, THE TEMPORARY SWALES SHALL BE REMOVED.
- ONCE THE SEDIMENTATION TRAP IS NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE TEMPORARY SEDIMENTATION TRAP SHALL BE REMOVED AND AREA TO BE BROUGHT TO FINAL DESIGN GRADES.
- SEE SECTION 1.2 OF THE SESC FOR SEQUENCE OF CONSTRUCTION ACTIVITY.
- SEE SECTION 2.2 OF THE SESC FOR PROJECT PHASING.
- CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER.
- FOR CONSTRUCTION PHASING SEE SECTION 2.2 OF SOIL EROSION AND SEDIMENT CONTROL PLAN.
- THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: [HTTP://WWW.DOT.RI.GOV/BUSINESS/CONTRACTORSANDCONSULTANTS.PHP](http://www.dot.ri.gov/business/contractorsandconsultants.php).

Legend:

- SILT FENCE, STRAW WATTLE OR APPROVED EQUAL
- TEMPORARY SWALE
- TRIBUTARY DRAINAGE AREA
- TEMPORARY SEDIMENTATION TRAPS

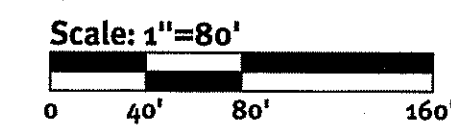
Construction Phasing:

- FLAG/SURVEY LIMIT OF DISTURBANCE. EACH TRIBUTARY DRAINAGE AREA SHALL DISTURB A MAXIMUM OF 5 ACRES. INSTALL PERIMETER EROSION CONTROL DEVICES (SILT FENCE, SEDIMENT TRAP).
- CLEAR AND GRUB SITE. INSTALL TEMPORARY SWALES AND SEDIMENTATION TRAPS.
- RE-GRADE SITE AND LOAM & SEED ALL DISTURBED AREAS. STABILIZE ALL AREAS.
- CONSTRUCT ALL STORMWATER BMP'S.
- REMOVE TEMPORARY SWALES AND SEDIMENTATION TRAPS AFTER TRIBUTARY AREAS ARE FULLY STABILIZED.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED **JAN 11 2018** FILE # **17-0 277**
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Myartin D. Wencsek



DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel: 401-943-1000 fax: 401-464-6006 www.diprete-eng.com

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KEVIN DEMERS
Kevin Demers
REGISTRED PROFESSIONAL ENGINEER CIVIL

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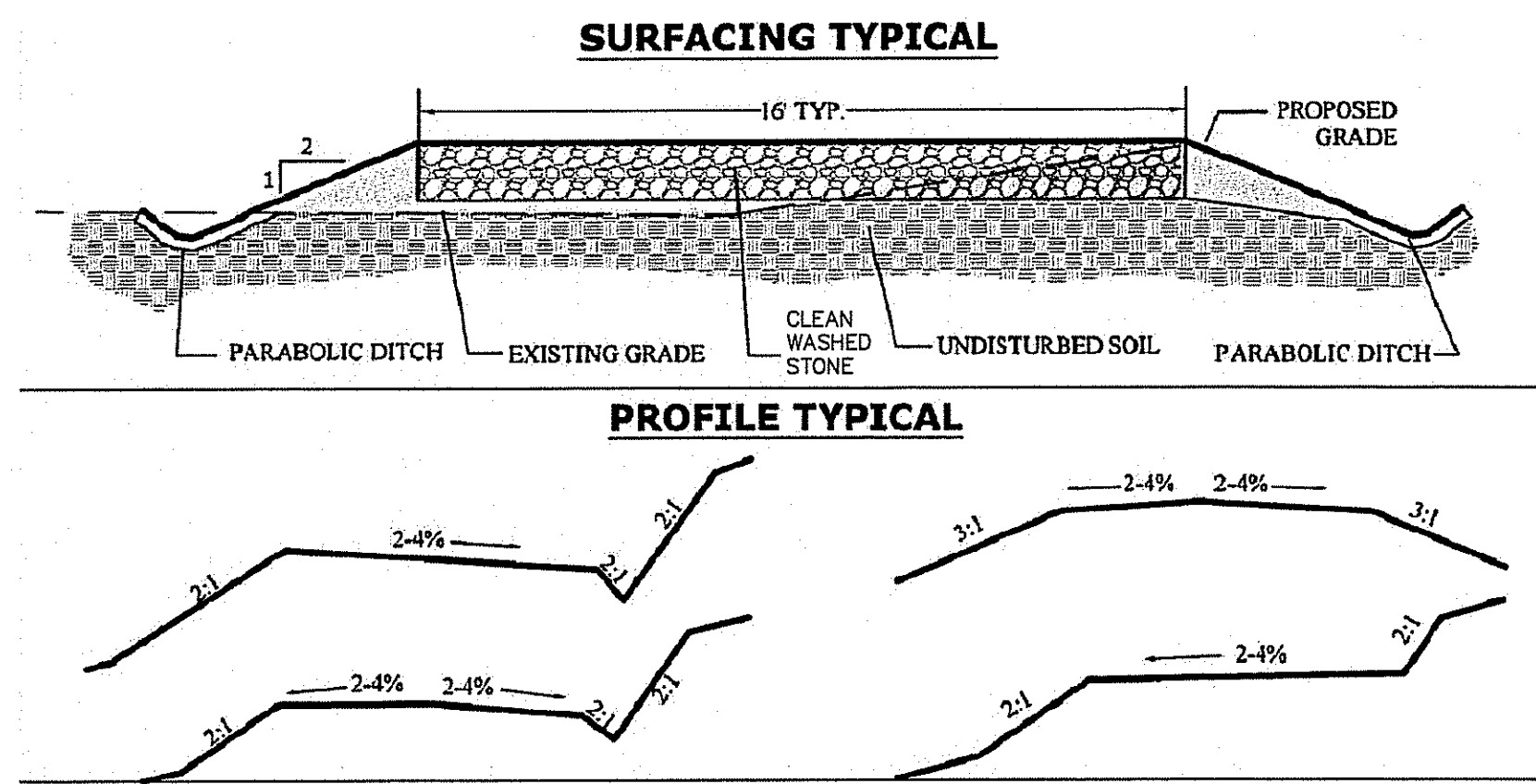
The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	By:	Design By: R.B.S.
1	11-13-2017	80002 Preliminary Determination	KAC	
2			By:	

Drawn By: R.B.S. Design By: R.B.S.

Soil Erosion Control Plan
WED Coventry Seven
Flat River Road, Coventry, Rhode Island
AP 315 Lots 37.1, 37.5 & 38
WED Coventry Seven, LLC
c/o Mark DePasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02883
tel: 401-295-0998

z:\memphis\projects\0601-013 Coventry\auto\cad drawings\0601-013-dem.dwg Plotted: 11/15/2017



SURFACING SPECIFICATIONS

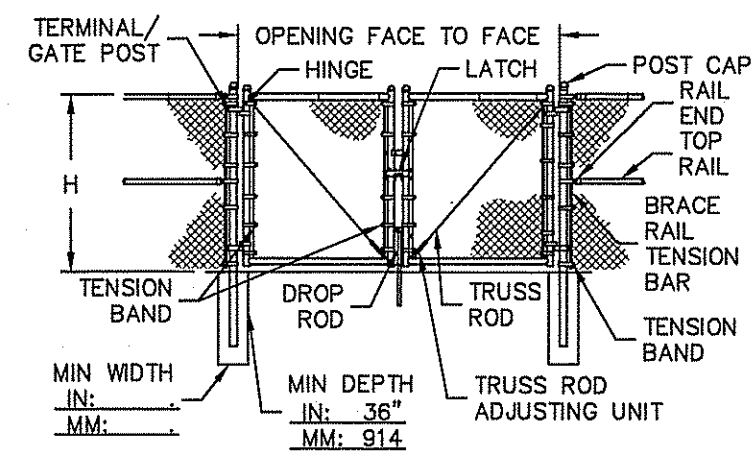
Conditions:	Road Thickness	Stone Size	Fines
Base Layer with Geotextile Fabric (not excessively wet)	6" Min.	3-3 1/2	0-6%
Base Layer with Geotextile Fabric (wet conditions)	6" Min.	3-3 1/2	0-6%

MATERIAL SPECIFICATIONS

Sieve Designation	Percentage by Mass (Weight) Passing Square Mesh Sieves
90mm (3.5 inch)	100
75 mm (3 inch)	90-100
50 mm (2 inch)	75-100
25 mm (1 inch)	50-80
12.5mm (1/2 inch)	30-60
4.75 mm (No. 4)	15-40
75um (No. 200)	0-6

PERMEABLE ACCESS DETAIL
NTS

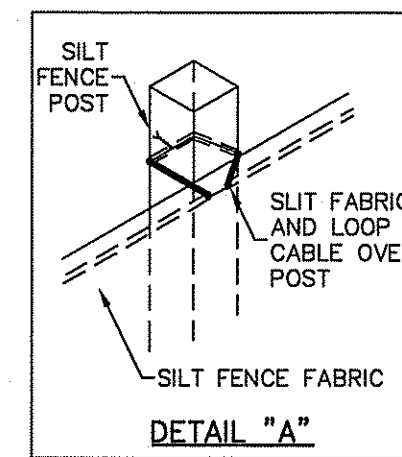
- **Surfacing Typical and Surfacing Specs:** Derived from USDA NRCS drawing "Access Road; ME-ENG-AR1"
- **Profile Typical:** Derived from USDA Forest Service Publication "Forest Road Construction and Maintenance"
- **Material Specs:** Derived from VTrans 704.06 Subbase



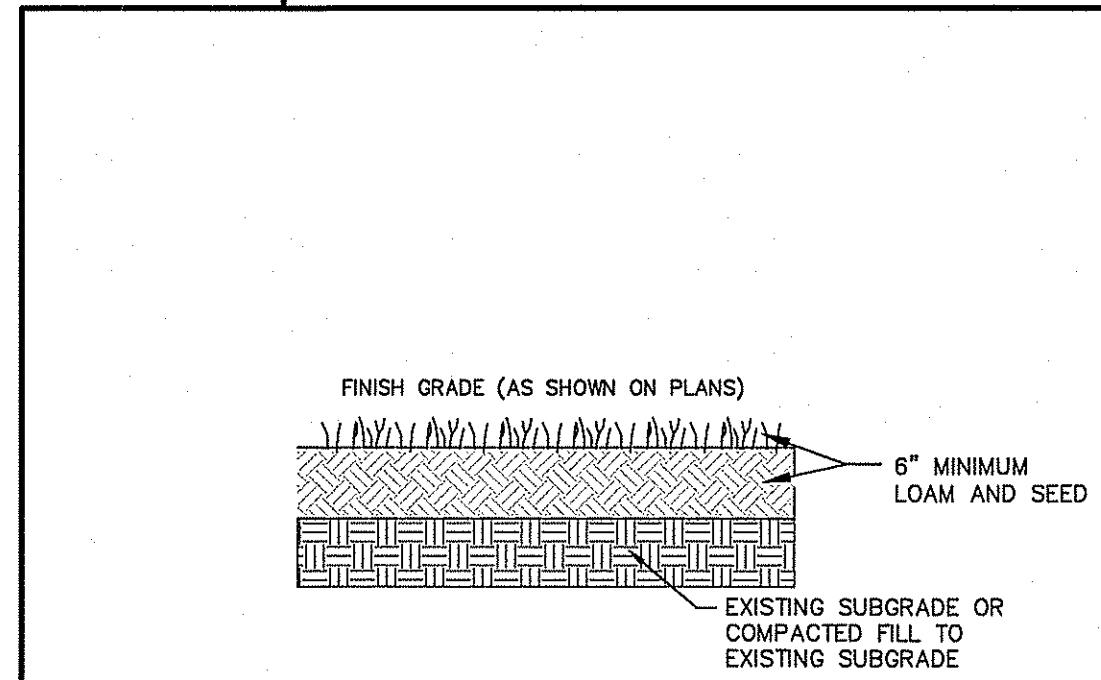
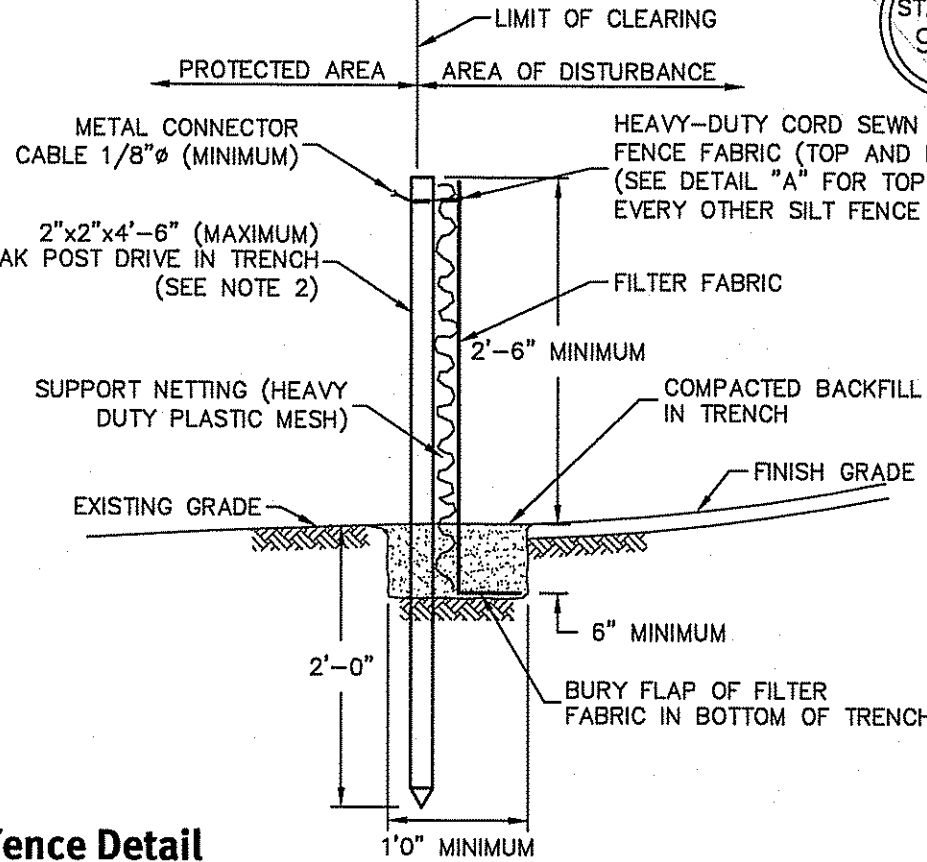
- NOTE:**
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
 2. SPECIFICATIONS SHOWN CAN BE CHANGED BY THE MANUFACTURER ONLY.
 3. FOOTING WIDTH TO BE (4)X POST WIDTH.

DOUBLE SWING GATE 20' OPENING
NOT TO SCALE

- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
 2. 2"x2"x4'-6" (MAXIMUM) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAXIMUM) O.C. IN WETLAND AREAS AND 4'-0" (MAXIMUM) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 3. 1"x1"x4'-6" (MINIMUM) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
 4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

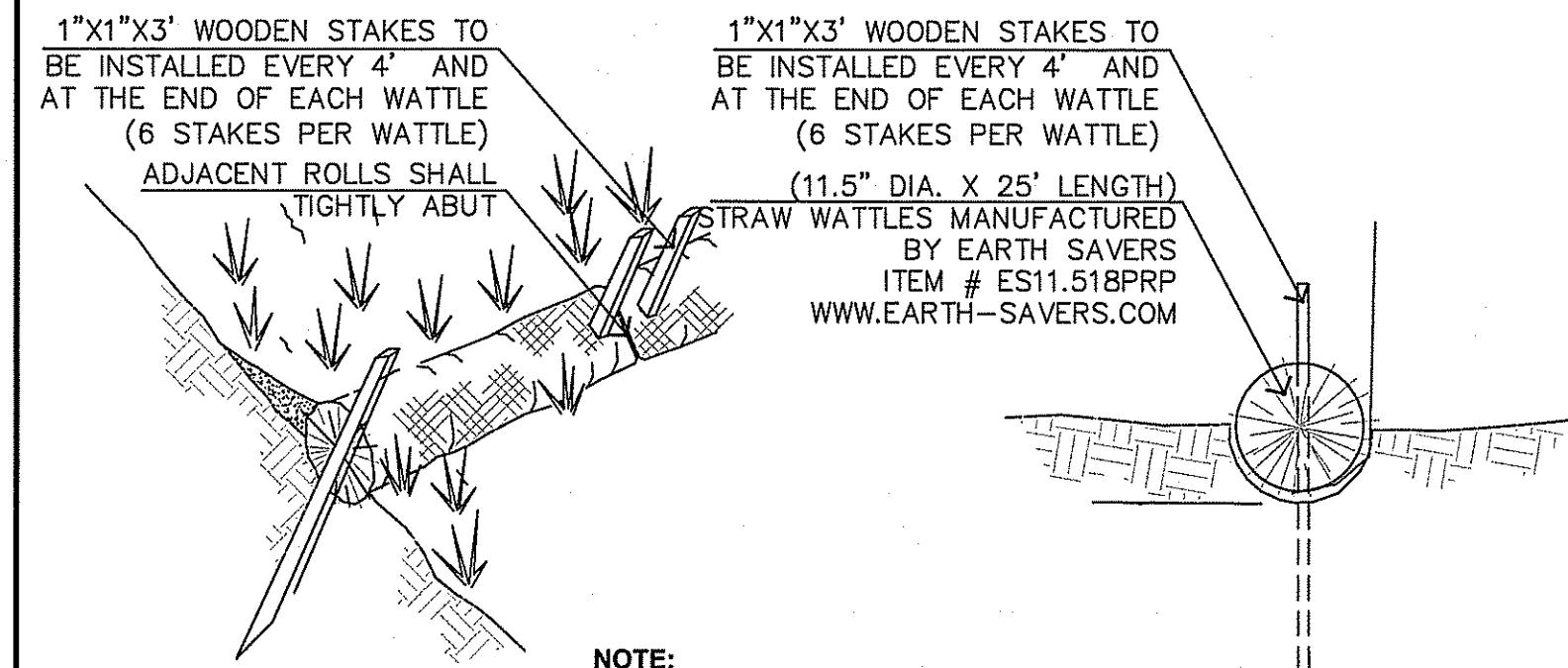


Silt Fence Detail
NOT TO SCALE



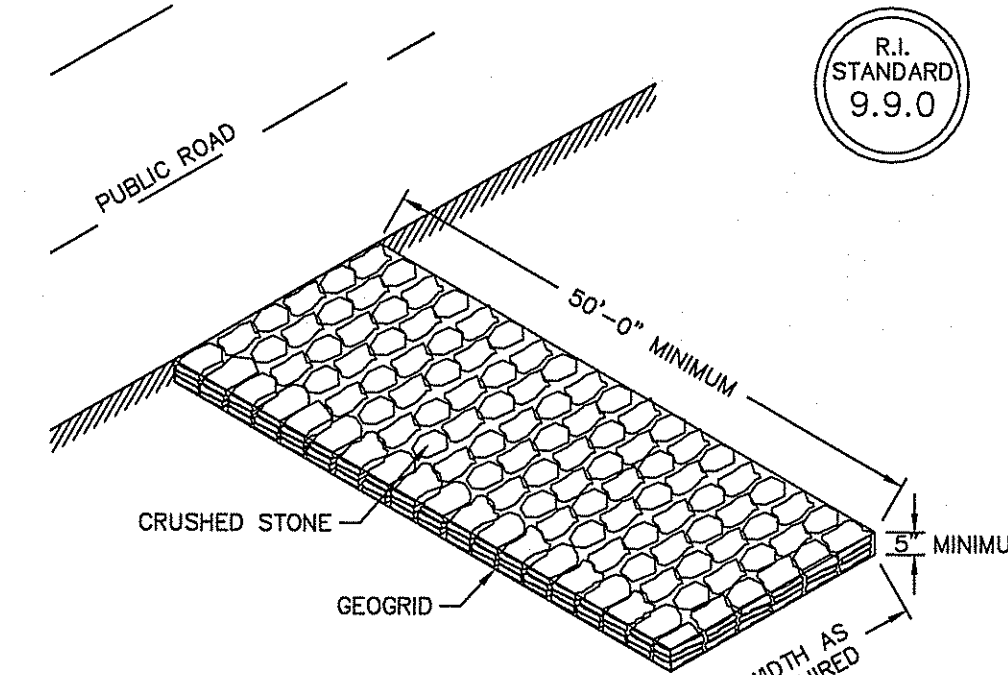
- NOTE:**
1. THIS SECTION APPLIES TO ALL DISTURBED AREAS WITHIN THE PROJECT SITE WITH EXCEPTION OF THE INFILTRATION TRENCH AREAS.
 2. SELECTED GRASS SEED SHALL BE LOW GROWTH/SHADE TOLERANT.

GROUND COVER DETAIL
NOT TO SCALE



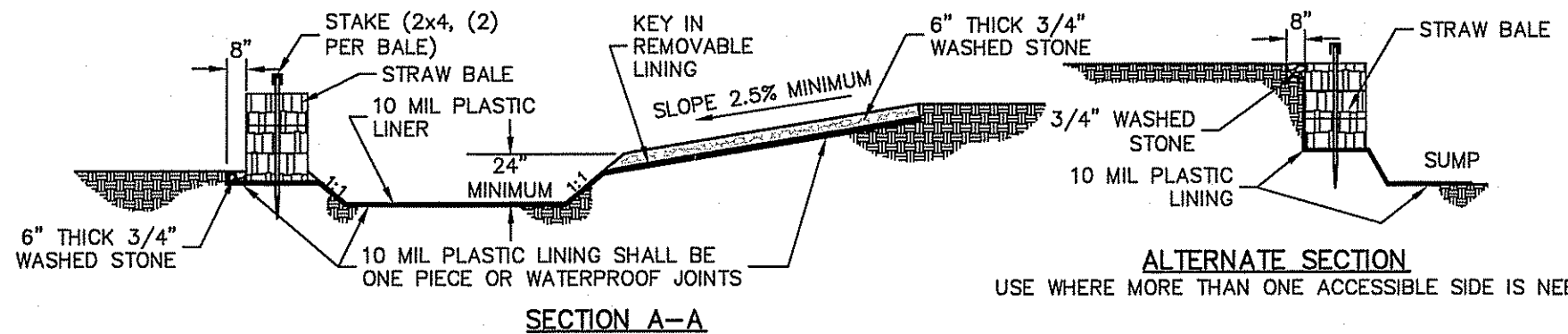
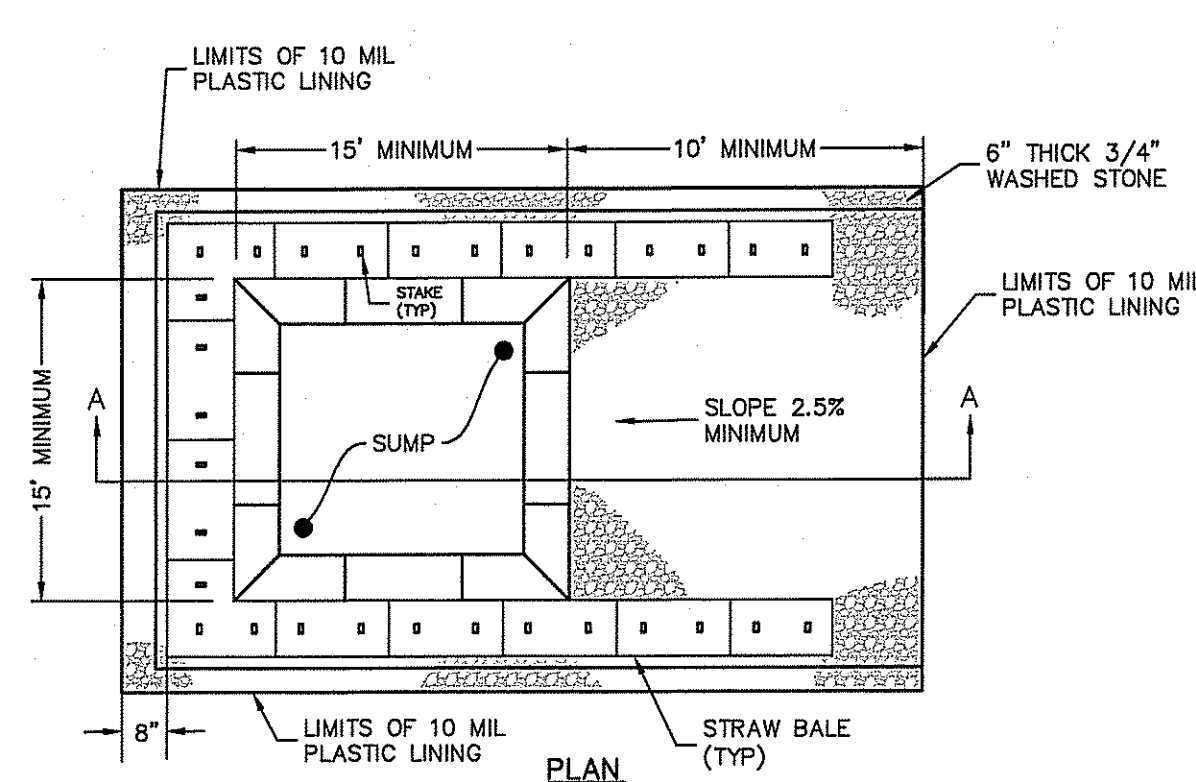
- NOTE:**
- EROSION CONTROL BARRIER TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS

STRAW WATTLE SEDIMENT BARRIER
NOT TO SCALE



- NOTE:**
- SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

Construction Access
NOT TO SCALE



- NOTES:**
1. PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
 2. WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.
 3. FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
 4. FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
 5. SAWCUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT AND GRINDING TO BE DISPOSED OF IN THE PIT.
 6. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, AND SURFACE WATERS.
 7. MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.

Concrete Washout Area (or Approved Equal)
(NOT TO SCALE)

SEDIMENT TRAP DIMENSIONS	TRAP A	TRAP B	TRAP C	TRAP D	TRAP E	TRAP F
TRIBUTARY DRAINAGE AREA	3,825 ac	2,204 ac	3,968 ac	3,178 ac	3,347 ac	4,989 ac
WET STORAGE DEPTH (Dw)	3.00 ft	2.00 ft	3.00 ft	3.00 ft	3.00 ft	3.00 ft
DRY STORAGE DEPTH (Dd)	1.00 ft	2.00 ft	1.00 ft	1.00 ft	1.00 ft	1.00 ft
TOTAL DEPTH (D)	4.00 ft	4.00 ft	4.00 ft	4.00 ft	4.00 ft	4.00 ft
BOTTOM OF TRAP AREA (Ab)	1,864 sq.ft.	1,864 sq.ft.	2,405 sq.ft.	2,405 sq.ft.	2,405 sq.ft.	3,510 sq.ft.
WETTED SURFACE AREA (Aw)	3,448 sq.ft.	2,888 sq.ft.	4,110 sq.ft.	4,110 sq.ft.	4,110 sq.ft.	5,406 sq.ft.
SURFACE AREA AT OUTLET (Ad)	4,041 sq.ft.	4,041 sq.ft.	4,741 sq.ft.	4,741 sq.ft.	4,741 sq.ft.	6,102 sq.ft.

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

1. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
2. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.
3. CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
4. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
5. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA.
6. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

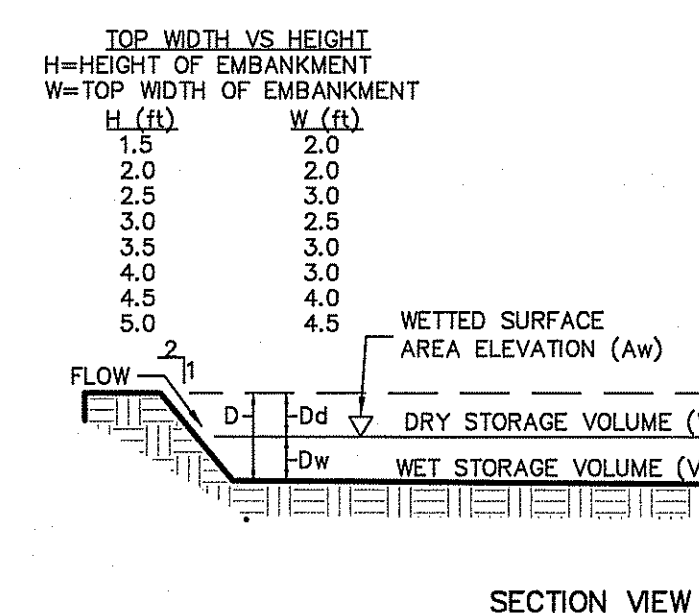
INSTALLATION NOTES:

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS OVER SIX (6) INCHES OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 9-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES, SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION.

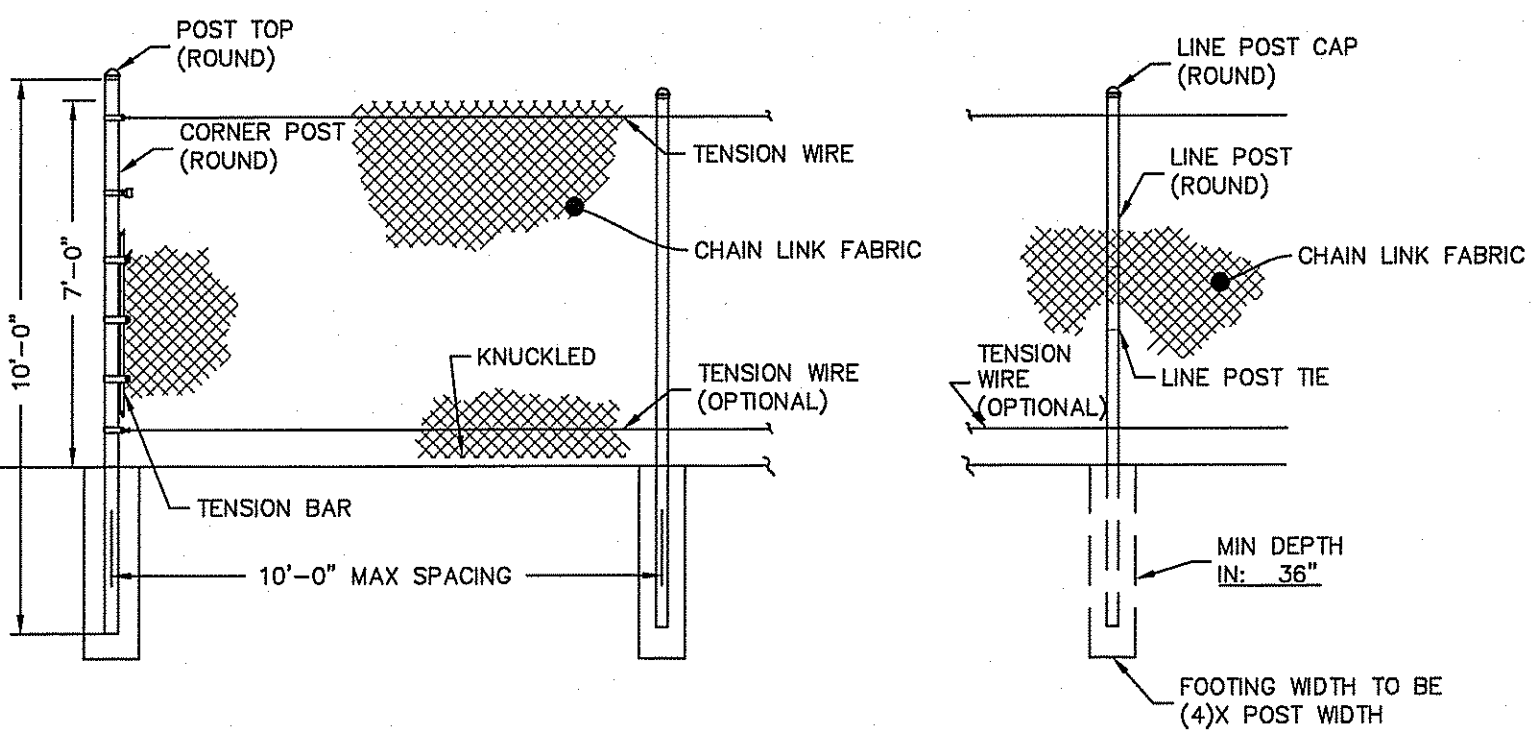
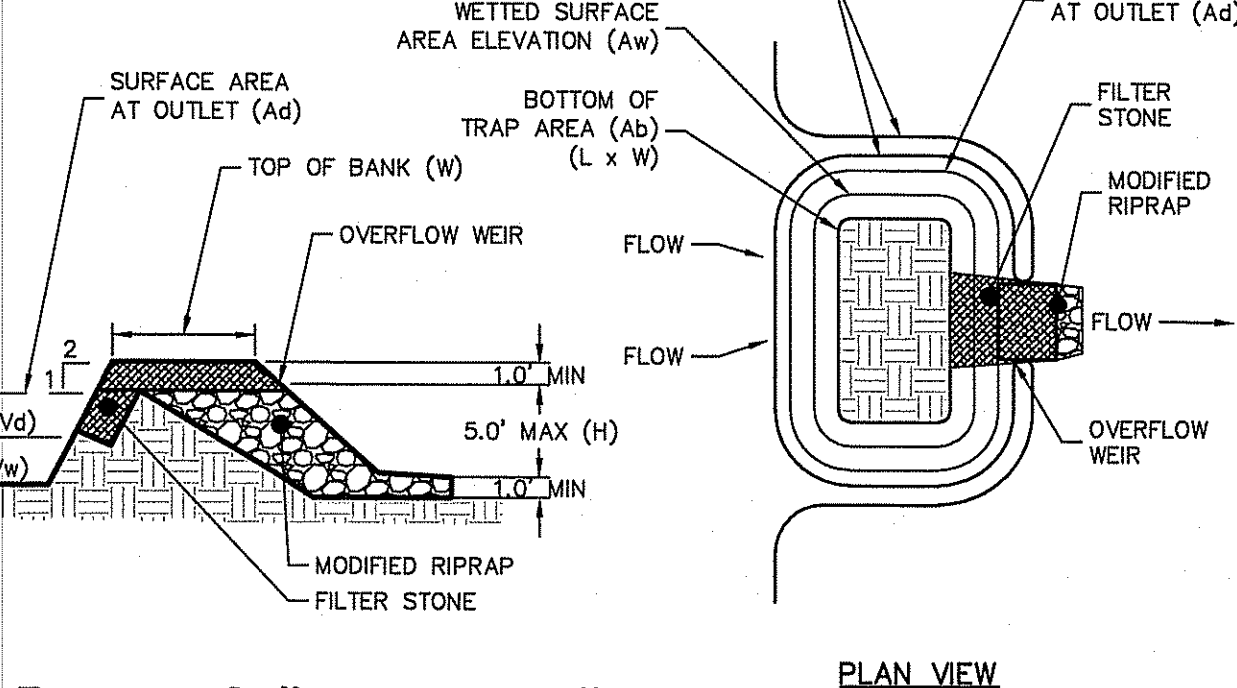
GENERAL NOTES:

1. THE TEMPORARY SEDIMENT TRAP SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES
2. THE TEMPORARY SEDIMENT TRAP SHALL HAVE AN INITIAL STORAGE COLUMN OF 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES SHALL NOT EXCEED 1.5:1.
4. THE OUTLET SHALL BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
5. THE OUTLET CONSISTS OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
7. MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET.
8. SIDE SLOPES OF THE EMBANKMENT SHALL BE 2:1 OR FLATTER.
9. MODIFIED RIPRAP SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
10. FILTER STONE SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE 1, COLUMN V FILTER STONE.

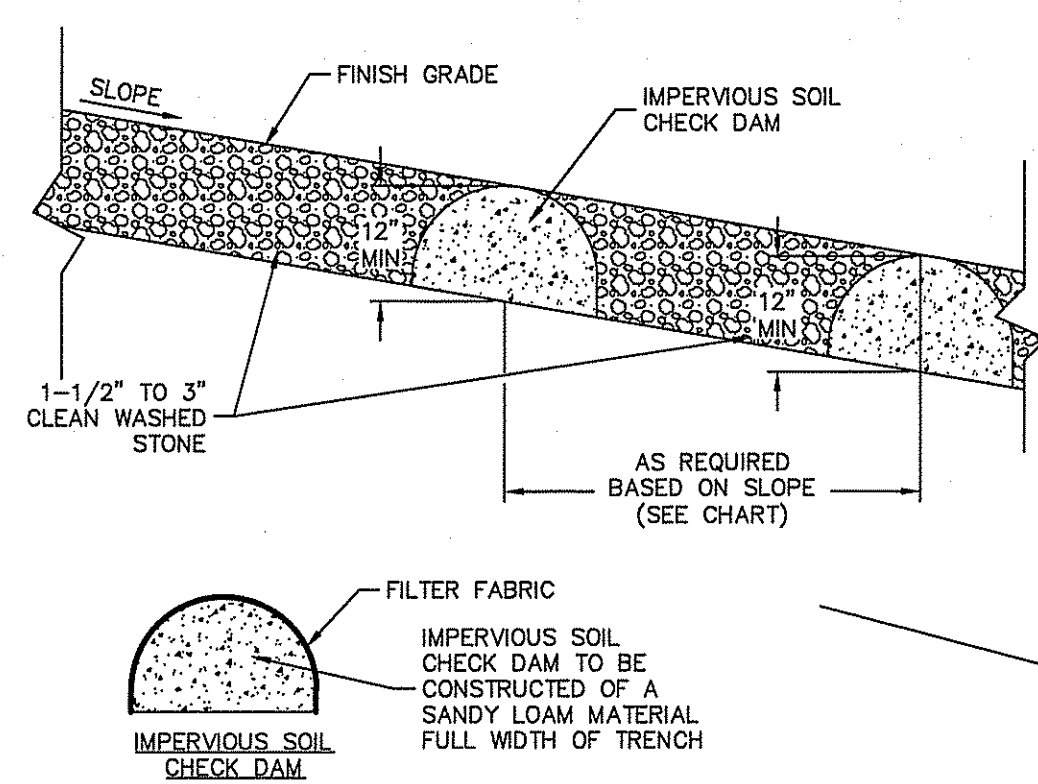
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JAN 11 2018 FILE # 17-0277
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Temporary Sediment Trap Detail
NOT TO SCALE



FENCE DETAIL
NOT TO SCALE

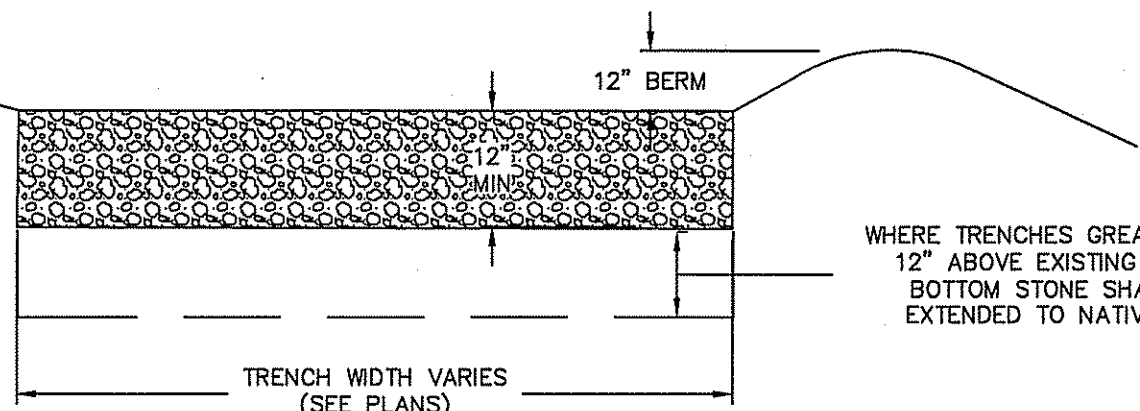


IMPERVIOUS SOIL DAM/STONE TRENCH
CROSS SECTION
NOT TO SCALE

DAM LOCATION CHART

SLOPE	DISTANCE BETWEEN DAMS
1%	100'
2%	50'
3%	33.3'
4%	25'
5%	20'

- NOTES:**
1. THE 12" BERM IS TO BE CONSTRUCTED AT THE END OF EACH STONE TRENCH TO MAINTAIN THE ABOVE POND STORAGE AREA.



WHERE TRENCHES GREATER THAN 12" ABOVE EXISTING GRADE, BOTTOM STONE SHALL BE EXTENDED TO NATIVE SOIL

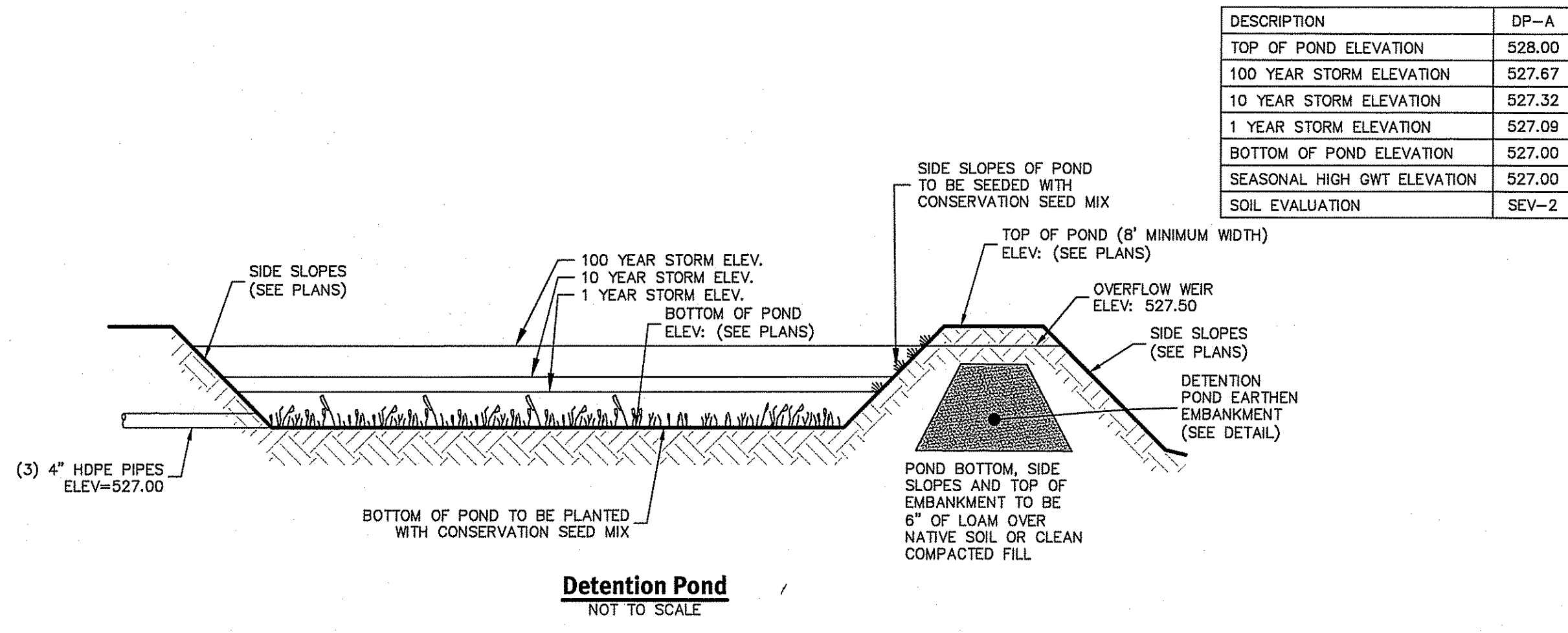
KEVIN DEMERS
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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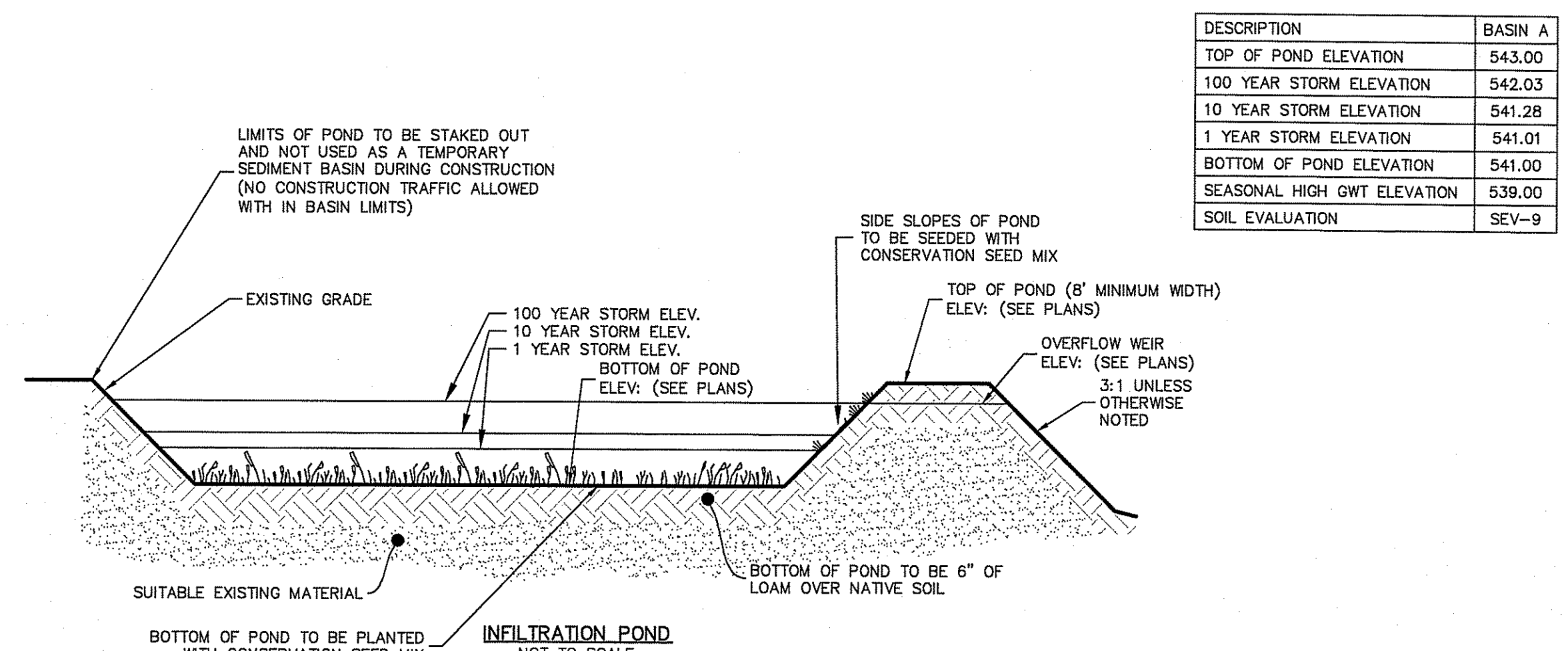
Drawn By: R.B.S.
Design By: R.B.S.
Date: 11/17/2017

Detail Sheet - 1
WED Coventry Seven
Flat River Road, Coventry, Rhode Island
AP 315, Lots 37-1, 37-5 & 5B
WED Coventry Seven, LLC
c/o Mark DePasquale, 3760 Quaker Lane, North Kingstown, Rhode Island 02882
Tel: 401-959-4998



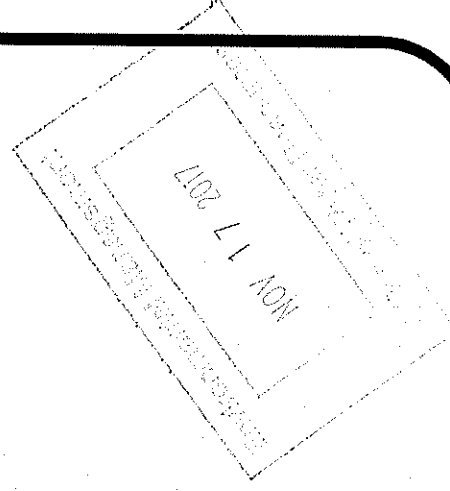
DESCRIPTION	DP-A
TOP OF POND ELEVATION	528.00
100 YEAR STORM ELEVATION	527.67
10 YEAR STORM ELEVATION	527.32
1 YEAR STORM ELEVATION	527.09
BOTTOM OF POND ELEVATION	527.00
SEASONAL HIGH GWT ELEVATION	527.00
SOIL EVALUATION	SEV-2

Detention Pond
NOT TO SCALE



DESCRIPTION	BASIN A
TOP OF POND ELEVATION	543.00
100 YEAR STORM ELEVATION	542.03
10 YEAR STORM ELEVATION	541.28
1 YEAR STORM ELEVATION	541.01
BOTTOM OF POND ELEVATION	541.00
SEASONAL HIGH GWT ELEVATION	539.00
SOIL EVALUATION	SEV-9

Infiltration Pond Detail
NOT TO SCALE



DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel: (401) 949-1000 fax: (401) 949-6606 www.diprete-eng.com

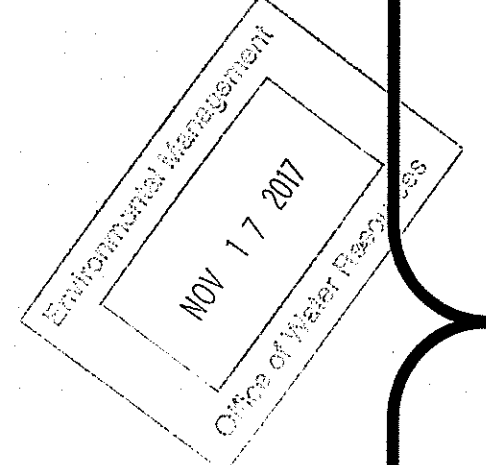
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REGISTERED PROFESSIONAL ENGINEER
CIVIL

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No.	Date	Revision/Description	J.A.C.	By:
1	11-13-2017	80924 Preliminary Determination		Design By: R.B.S.
2		Drawn By: R.B.S.		



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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martin D. Wencel

Detail Sheet - 2

WED Coventry Seven
Flat River Road, Coventry, Rhode Island
AP 315 Lots 37-1, 37-5 & 98

WED Coventry Seven, LLC
c/o Mark Derrisquaine, 3700 Quaker Lane, North Kingstown, Rhode Island 02892
tel: 401-252-9598

DE Job No: 0804-013 Copyright 2017 by DiPrete Engineering Associates, Inc.

Z:\Main\projects\0804-013 Coventry Seven\autocad drawings\0804-013-dim.dwg Plotted: 11/15/2017