

**LOCUS**  
NOT TO SCALE

**SEDIMENTATION AND EROSION CONTROL:**  
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.  
 2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.  
 3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.  
 4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

**EROSION & SOIL STABILIZATION PROGRAM:**  
 1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.  
 2. THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.  
 3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.  
 4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

**SEDIMENTATION CONTROL PROGRAM:**  
 1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A DAILY BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (CUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.  
 2. ALL HAY BALES USED WITH THE SILT FENCE ARE TO HAVE TWO STAKES DRIVEN INTO EACH HAY BALE.  
 3. THE SILT FENCE AND HAY BALES ARE TO BE INSPECTED DAILY AND REPLACED AS NEEDED.  
 4. ALL SEDIMENTATION AND EROSION CONTROLS MUST BE INSTALLED AND PASS THE TOWN'S INSPECTION PRIOR TO ANY CONSTRUCTION WORK.  
 5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.  
 6. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

**SLOPE STABILIZATION AND VEGETATION:**  
 1. THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.  
 2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.  
 3. MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.  
 4. VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.  
 5. THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND, PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.  
 6. PROVIDED THAT THE PROVISIONS OF THE SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

**SIZING CALCULATION FOR RAIN GARDEN #1 PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE 8: RAIN GARDEN SIZING GUIDANCE**  
 \* RAIN GARDEN #1 IS FOR RUN-OFF FROM THE WESTERLY PORTION OF THE DWELLING  
 \* PROPOSED DWELLING ROOF AREA = 640 S.F.  
 \* RAIN GARDEN DEPTH = 8 INCHES  
 \* SOIL TYPE: SANDY SOILS = 0.08 SIZING FACTOR (1-INCH STORM EVENT)  
 \* 640 S.F. X 0.08 = 51.2 S.F. RAIN GARDEN REQUIRED  
 \* PROPOSED RAIN GARDEN #1 BOTTOM AREA = 52 S.F.

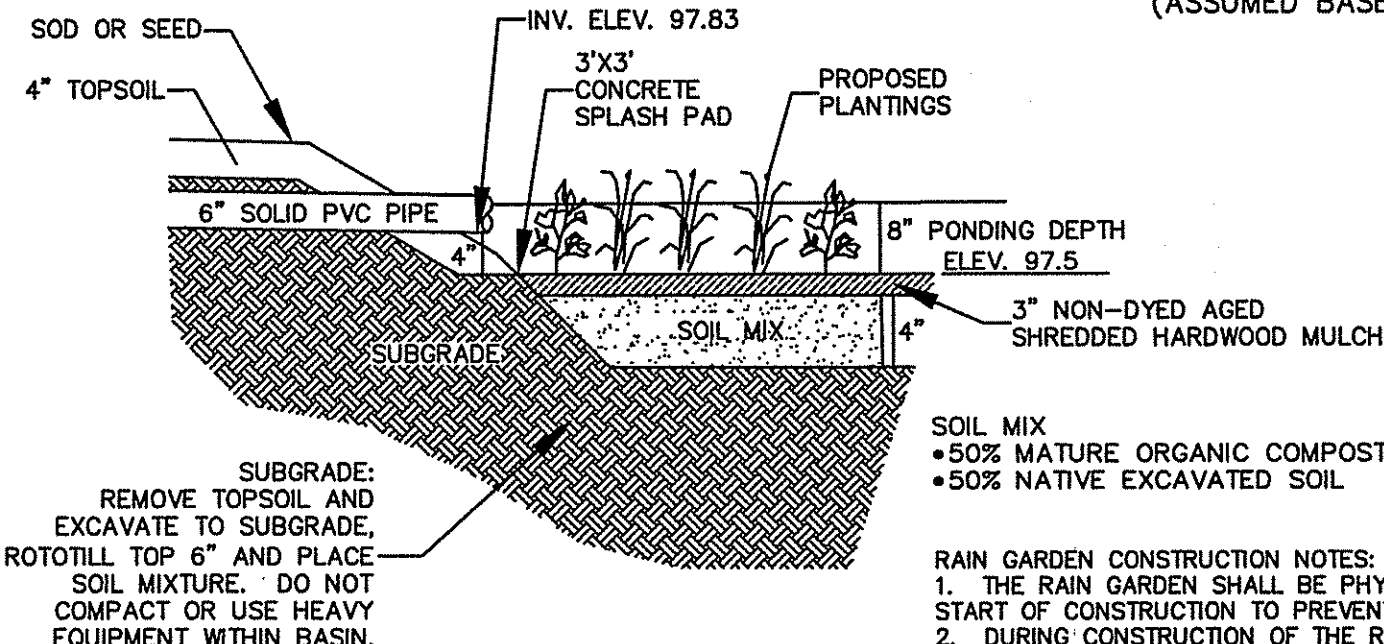
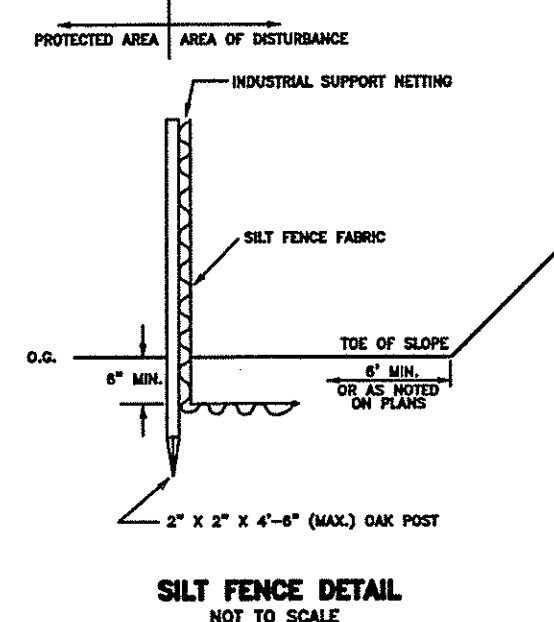
**SIZING CALCULATION FOR RAIN GARDEN #2 PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE 8: RAIN GARDEN SIZING GUIDANCE**  
 \* RAIN GARDEN #2 IS FOR RUN-OFF FROM THE EASTERLY PORTION OF THE DWELLING  
 \* PROPOSED DWELLING ROOF AREA = 576 S.F.  
 \* RAIN GARDEN DEPTH = 8 INCHES  
 \* SOIL TYPE: SANDY SOILS = 0.08 SIZING FACTOR (1-INCH STORM EVENT)  
 \* 576 S.F. X 0.08 = 46.1 S.F. RAIN GARDEN REQUIRED  
 \* PROPOSED RAIN GARDEN #2 BOTTOM AREA = 48 S.F.

**RAIN GARDEN NOTES:**  
 1. RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.  
 2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER PONDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.  
 3. PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.  
 4. SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.  
 5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.  
 6. PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.  
 7. THE PROPOSED PLANTINGS FOR THE RAIN GARDEN SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT WWW.URLEDU/CELS/CEOC/COASTALPLANTS/COASTALPLANTGUIDE.HTM.  
 8. THE RAIN GARDEN SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION TO PREVENT ADDITIONAL COMPACTION.

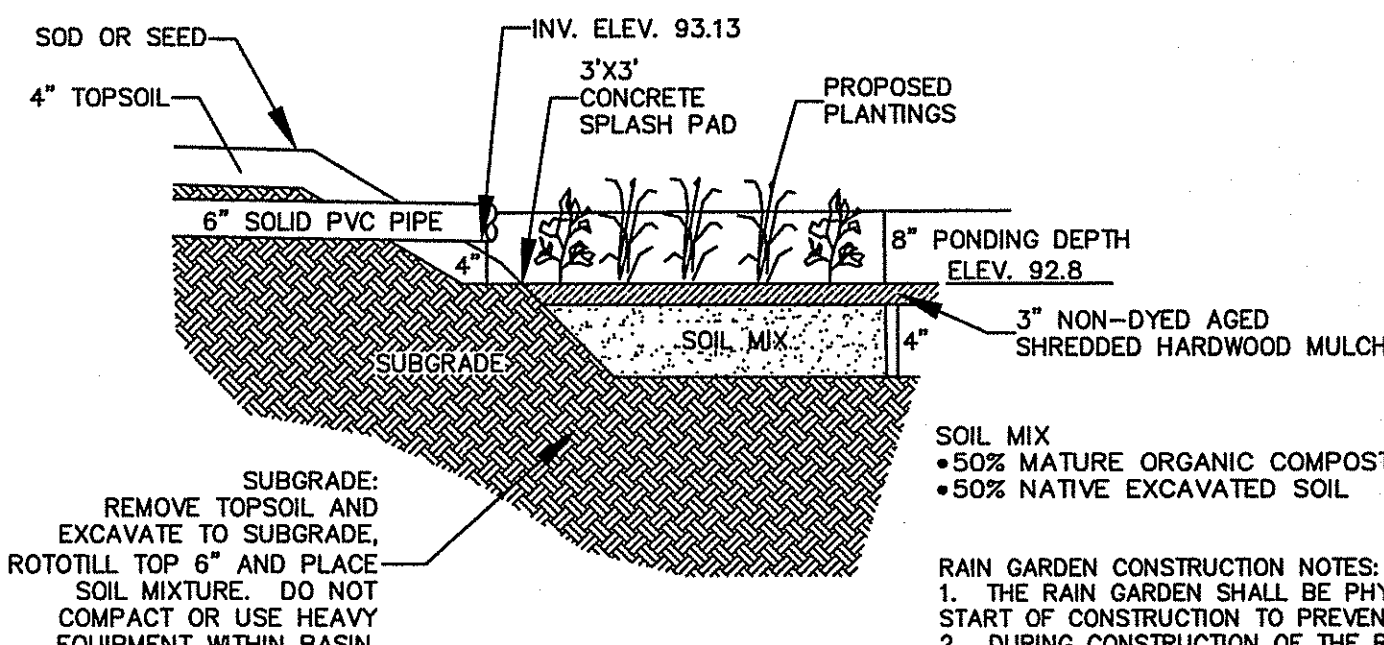
**LEGEND**  
 FND S.F. ELEV. TYP. BOT. FOUND SQUARE FEET ELEVATION TYPICAL BOTTOM

**NOTES:**  
 1. THE PARCEL IS PLAT 209, LOT 67.  
 2. THE TOTAL PARCEL AREA IS 6,082± S.F. OR 0.14± ACRES.  
 3. THE EXISTING DWELLING ADDRESS IS 46 BEACH ROAD.  
 4. THE AREA IS ZONED: R-20.  
 5. SEE DEED BOOK 216 AT PAGE 249 FOR TITLE REFERENCE.  
 6. THE BASIS OF BEARING SHOWN ON THIS PLAN WAS TAKEN FROM A MAGNETIC READING PERFORMED DURING SURVEY FIELD WORK ON JANUARY 25, 2017.

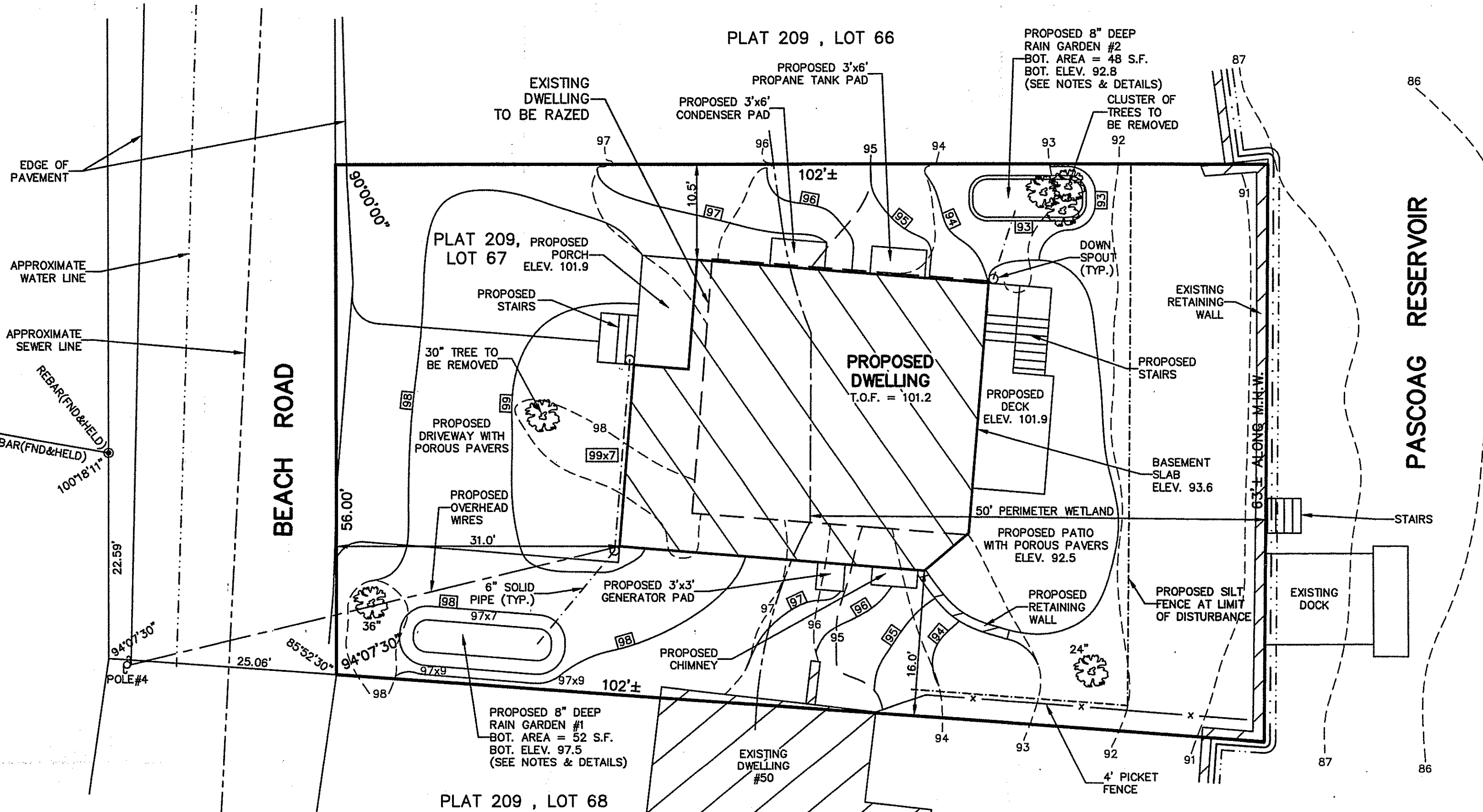
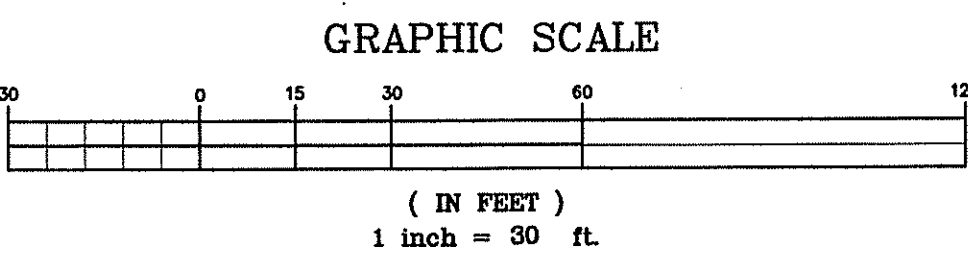
**NOTE:**  
 THE EASTERLY WALL OF THE PROPOSED DWELLING IS TO BE LOCATED IN THE SAME LOCATION AS THE EASTERLY WALL OF THE EXISTING DWELLING.



**RAIN GARDEN #1 CROSS-SECTION**  
NOT TO SCALE



**RAIN GARDEN #2 CROSS-SECTION**  
NOT TO SCALE

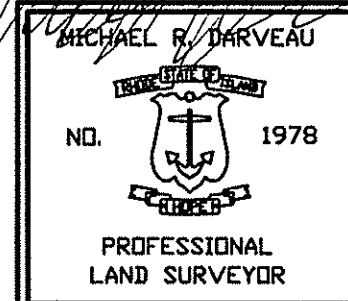


BENCH MARK: SEWER MANHOLE RIM ELEV. 97.45 (ASSUMED BASE)

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

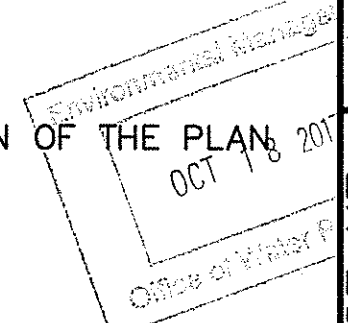
TYPE OF SURVEY: LIMITED CONTENT BOUNDARY SURVEY DATA ACCUMULATION SURVEY  
 MEASUREMENT SPECIFICATION: CLASS I CLASS III

STATEMENT OF PURPOSE: THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
 1) PREPARE A PROPOSED SITE PLAN.



By: *Michael R. Darveau*  
 MICHAEL R. DARVEAU, PLS#1978  
 PRESIDENT, DARVEAU LAND SURVEYING, INC.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED NOV 28 2017 FILE # 17-0252  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*John D. Wenzel*



10/13/17  
 DATE  
 COA #LS-A497

PROPOSED SITE PLAN FOR  
**JOHN A., JR. & ELLEN M. BECK**  
 PLAT 209, LOT 67  
 46 BEACH ROAD  
 BURRILLVILLE, RHODE ISLAND

PROJECT NO: 2017\_001  
 SHEET NO: 1 OF 1

SCALE: 1" = 10'  
 DRAWN BY: S.A.K.  
 DATE: OCT. 13, 2017

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