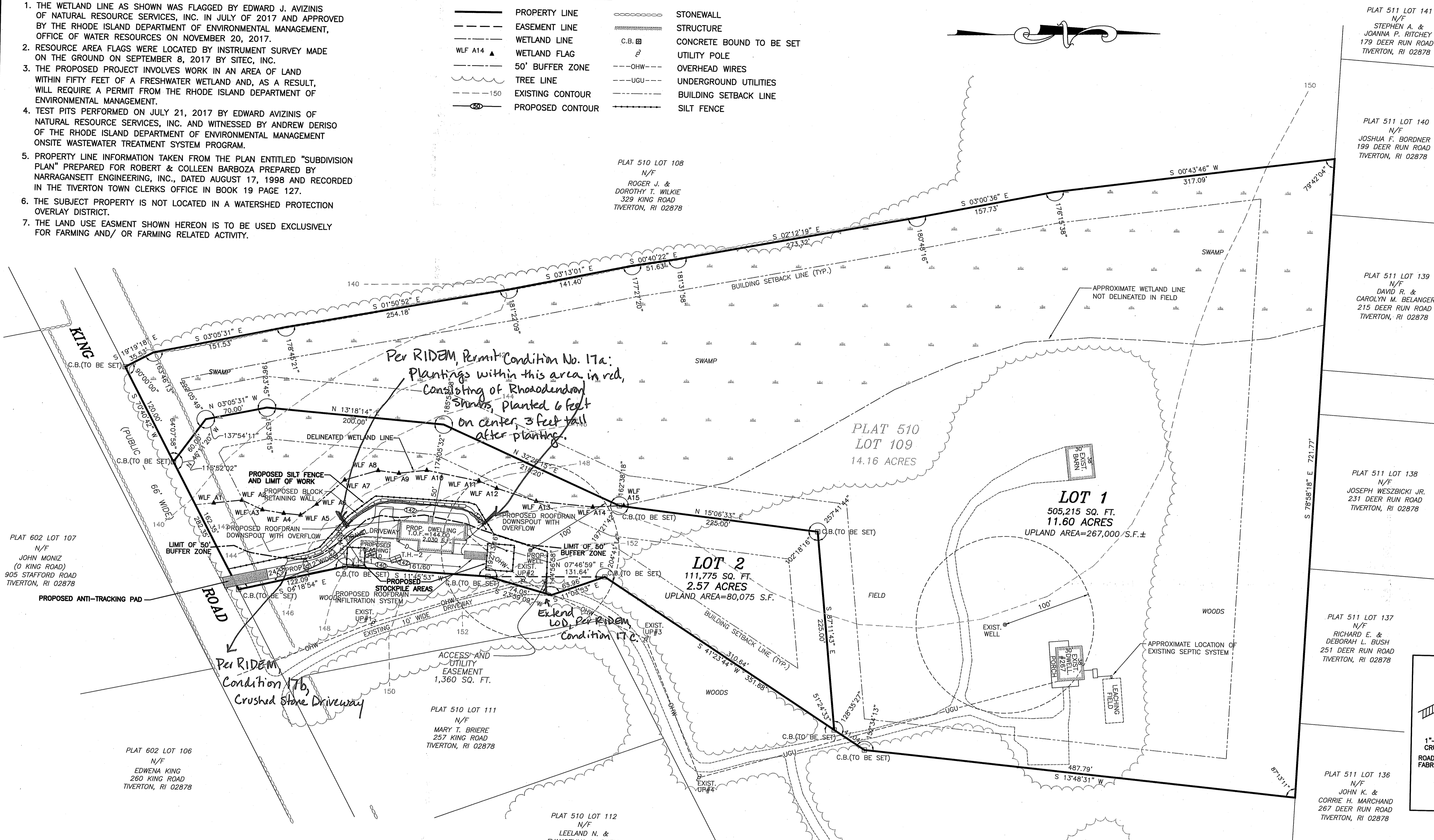


**NOTES:**

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- THE SUBJECT PROPERTY IS NOT LOCATED IN A WATERSHED PROTECTION OVERLAY DISTRICT.
- THE LAND USE EASMENT SHOWN HEREON IS TO BE USED EXCLUSIVELY FOR FARMING AND/OR FARMING RELATED ACTIVITY.

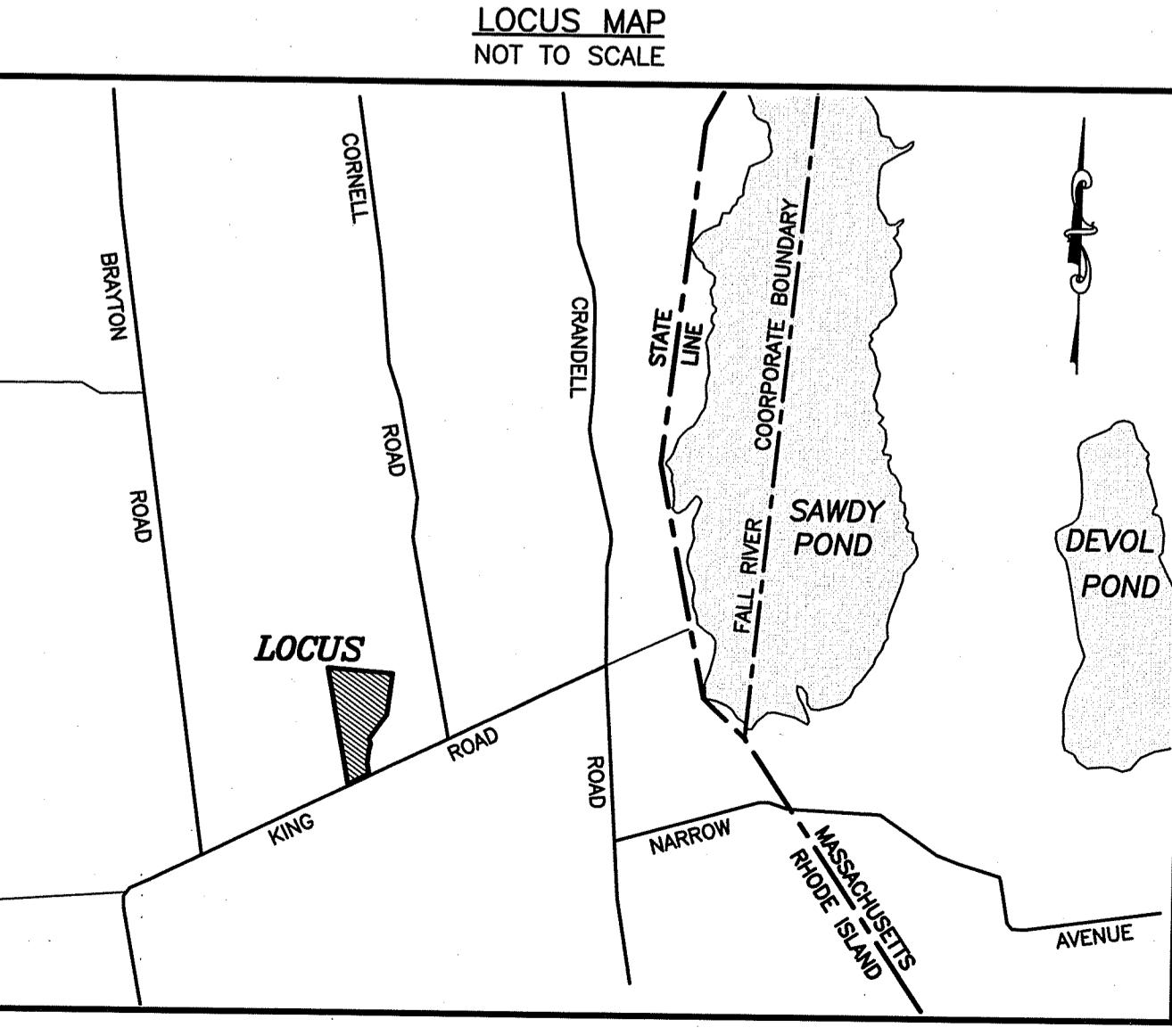
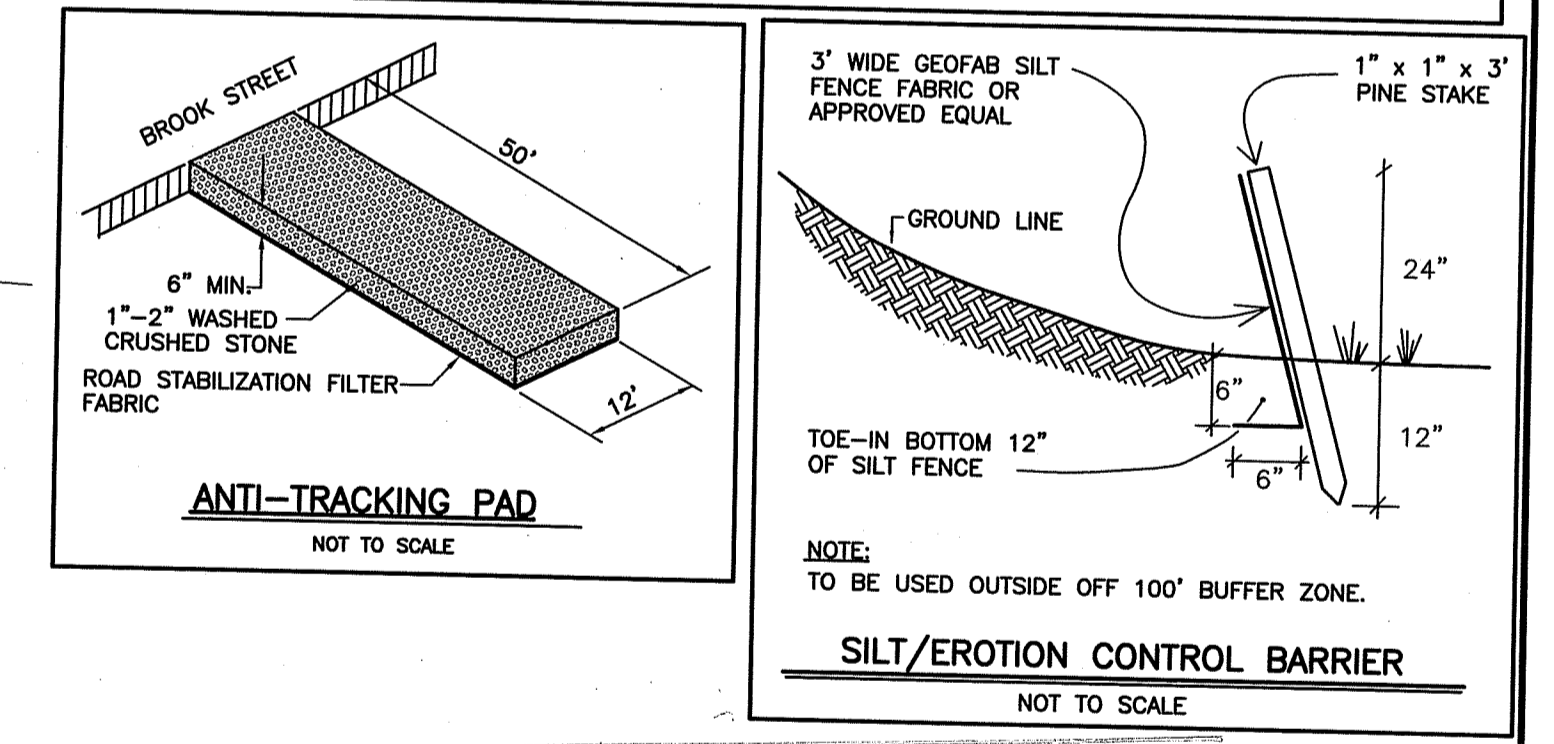
**LEGEND**

—	PROPERTY LINE	—	STONEWALL
- - -	EASEMENT LINE	—	STRUCTURE
- · - · -	WETLAND LINE	—	CONCRETE BOUND TO BE SET
▲	WETLAND FLAG	—	UTILITY POLE
- · - · -	50' BUFFER ZONE	—	OVERHEAD WIRES
—	TREE LINE	—	UNDERGROUND UTILITIES
- · - · -	EXISTING CONTOUR	—	BUILDING SETBACK LINE
—	PROPOSED CONTOUR	—	SILT FENCE



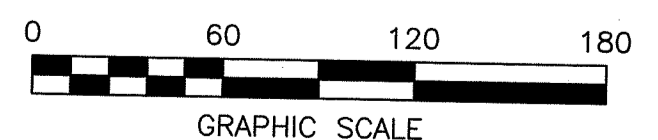
**EROSION & SEDIMENT CONTROL NOTES**

- Erosion and sediment control measures will be installed prior to stump removal and construction entrance will be installed before construction traffic into and out of project area begins. Stabilization of all regraded and soil stockpile areas will be initiated and maintained during all phases of construction.
- All erosion and sediment control measures will be constructed in accordance with standards and specifications of the "Guidelines for Soil Erosion and Water Conservation" and Town of Tiverton regulations. All erosion control measures are to be maintained and upgraded as required to achieve proper sediment control during construction. All grade benches shall be kept free of sediment during all phases of construction.
- Additional control measures will be installed during the construction period, if deemed necessary by the Owner or Agents of the Town of Tiverton.
- Catch basins will be protected with haybale filters throughout the construction period until all disturbed areas are thoroughly stabilized. Filter fabric should be installed under grate opening until pavement is in place and lawn established.
- Seeding mixture for finished grassed areas will be as follows:  
Kentucky Blue Grass 45%  
Creeping Red Fescue 45%  
Perennial Ryegrass 10%  
Seed to be applied at a rate of 4 lbs./1000 sq. ft.  
Fertilizer shall be applied at a rate of 2 lbs./1000 sq. ft.
- Planting seasons shall be April 1 to June 1 and August 15 to September 15. After September 15, areas will be stabilized with haybale check, filter fabric, or woodchip other than seeding or sodding, see landscape development plan.
- Areas to be left bare before finished grading and seeding is achieved, shall receive a temporary seeding of Perennial Ryegrass applied at a rate of 2 lbs./1,000 sq. ft. of a depth of 1/2 inch. Limestone (equivalent to be 50 percent calcium plus magnesium oxide) shall be applied as seedbed preparation at a rate of 90 lbs./1,000 sq. ft. Planting predominates, fertilize according to a soil test at a minimum application rate of 1 lb. of nitrogen per 1,000 sq. ft.
- Areas to be left bare before finish grading and seeding outside of planting seasons shall receive an air-dried wood chip mulch, free of coarse matter, treated with 12 lbs. nitrogen per ton, applied at a rate of 185-275 lbs./1,000 sq. ft.
- The Contractor shall establish an erosion control line (haybale check or filter fabric) installation. Stabilization of slopes in fill areas (using mulch or grass) shall be initiated within thirty (30) days of commencement of fill installation.
- Stabilization of slopes in cut areas (using mulch or grass) and the installation of control line (haybale check or filter fabric) at the toe of slope shall be initiated within thirty (30) days of commencement of cut.
- Sediment removed from control structures will be disposed of in a manner which is consistent with the intent of the plan. All haybales or silt fence retaining sediment over 1/2 their height shall have the sediment removed and all damaged erosion controls removed and replaced.
- Contractor will be assigned the responsibility for implementing this Erosion and Sediment Control Plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and responsibility of the plan, and notifying the proper Town agency of any transfer of this responsibility. The owner shall be responsible for conveying a copy of the Erosion and Sediment Control Plan if the title to the land is transferred.
- The Contractor shall secure the services of a soil scientist or Professional Engineer who shall verify in the field that the controls required by this plan are properly installed, shall make inspection of such facilities not less frequently than weekly and within forty-eight (48) hours of any significant rainfall, and shall, by written report, inform the Owner or less frequently than monthly of observations, maintenance, and corrective activities.
- Stockpiles of soil shall be surrounded by a sediment barrier. Soil stockpiles to be left bare for more than fifteen (15) days shall be stabilized with temporary vegetation or be used in place of haybales. Side slopes shall not exceed 2:1.
- The Contractor shall be responsible to control dust and wind erosion throughout the life of exposed soils and haul roads. Contractor shall control dust to prevent a hazard to traffic on adjacent roadways.
- If final grading is to be delayed for more than thirty (30) days after land disturbances cease, temporary vegetation or mulch shall be used to stabilize soils. Where control measures will be required for longer than sixty (60) days, filter fabric shall be used.
- Haybales shall be used only as a temporary measure. Where control measures will be required for longer than sixty (60) days, filter fabric shall be used.
- Where dewatering is necessary, there shall not be a discharge directly into wetlands or low, such as pumping water into a temporary sedimentation bowl, providing surge protection at the inlet and the outlet of pumps, or utilizing the intake of the pump, or other methods to minimize and retain the suspended solids. If a pumping operation is causing turbidity problems, said operation shall cease until such time as feasible means of controlling turbidity area determined and implemented.



**SOILS DATA**

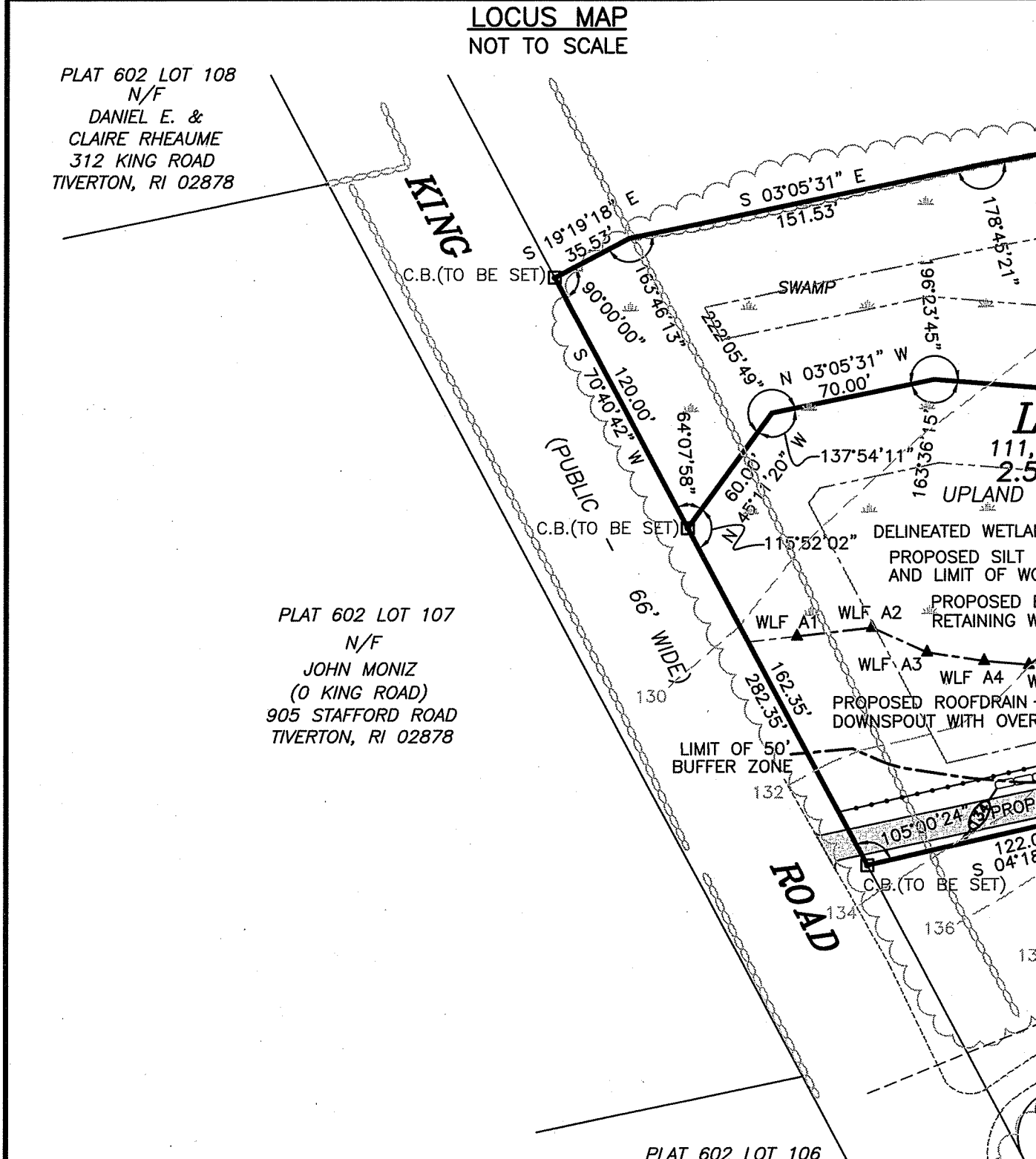
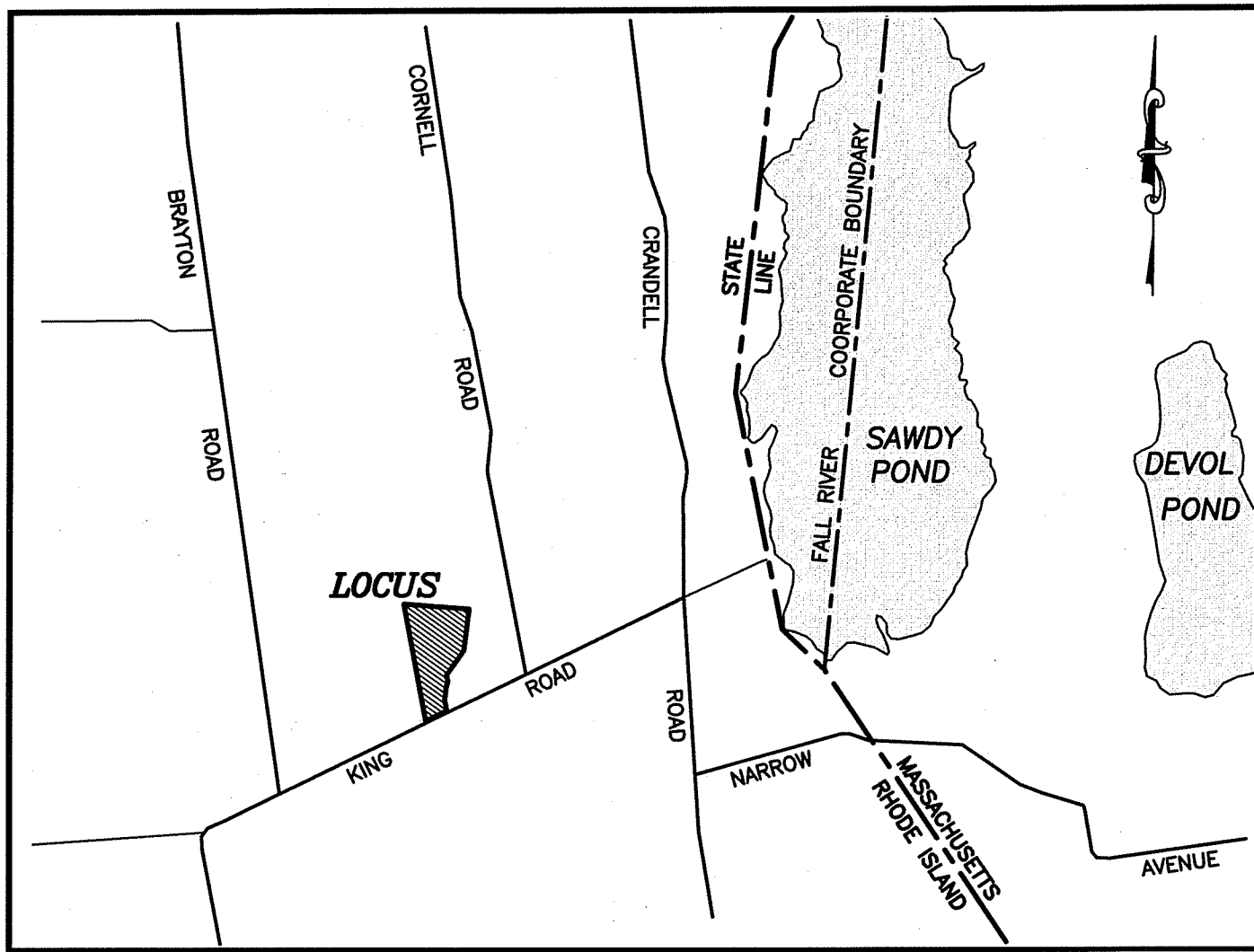
<b>TH-1</b> PERFORMED BY: EDWARD J. AVIZINIS WITNESSED BY: ANDREW DERISO (DEM) DATE: 7-21-17	<b>TH-2</b> PERFORMED BY: EDWARD J. AVIZINIS WITNESSED BY: ANDREW DERISO (DEM) DATE: 7-21-17																		
<table border="1"> <tr><td>0"</td><td>A</td><td>SANDY LOAM</td></tr> <tr><td>3"</td><td>B</td><td>SANDY LOAM</td></tr> <tr><td>24"</td><td>C</td><td>LOAMY SAND</td></tr> </table>	0"	A	SANDY LOAM	3"	B	SANDY LOAM	24"	C	LOAMY SAND	<table border="1"> <tr><td>0"</td><td>A</td><td>SANDY LOAM</td></tr> <tr><td>6"</td><td>B</td><td>SANDY LOAM</td></tr> <tr><td>24"</td><td>C</td><td>LOAMY SAND</td></tr> </table>	0"	A	SANDY LOAM	6"	B	SANDY LOAM	24"	C	LOAMY SAND
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED SEP 29 2020 FILE # 20-0152  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

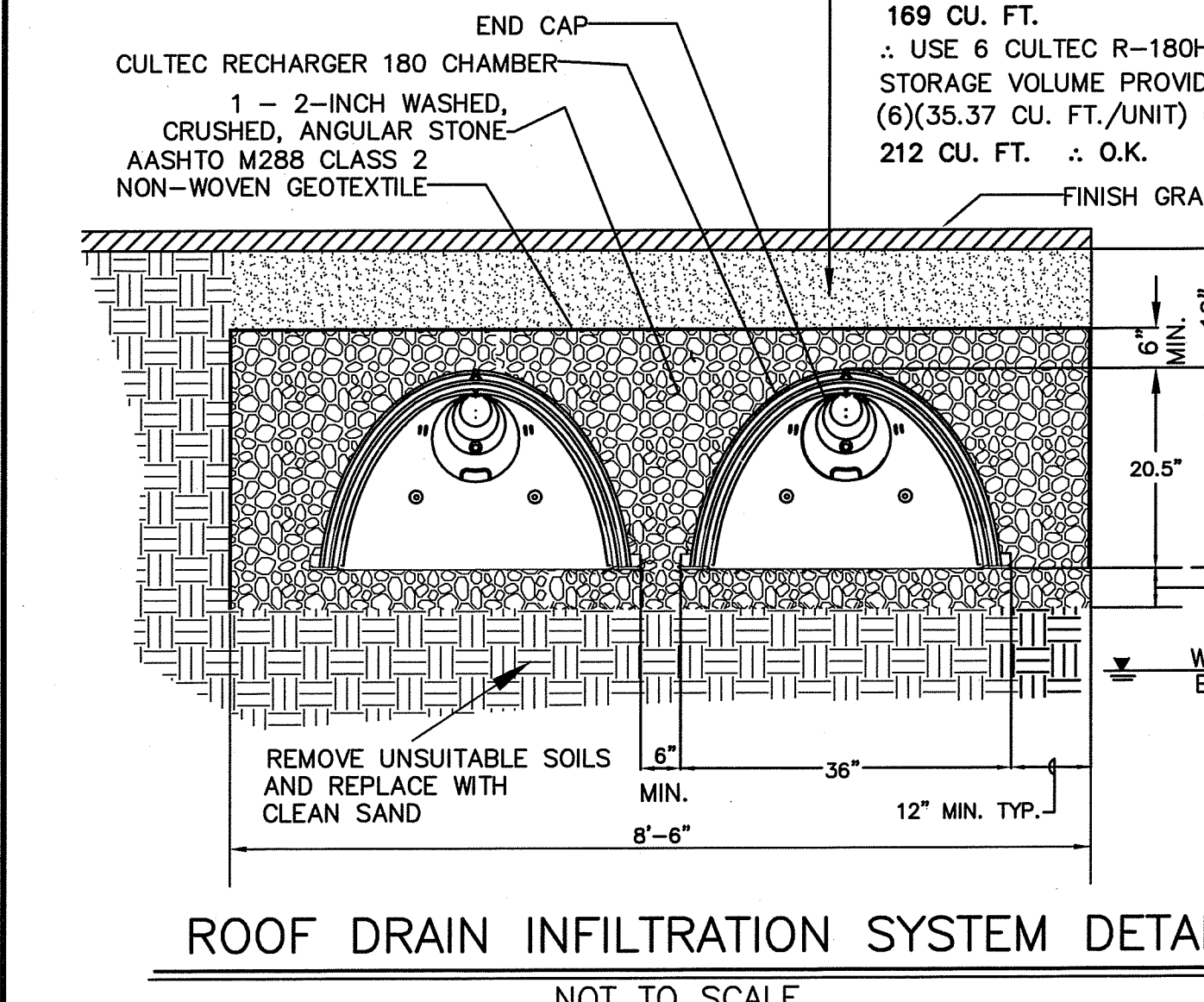
*Signature*

<b>SITEC</b> Civil and Environmental Engineering Land Use Planning	449 Faunce Corner Road Dartmouth, MA 02747 (508) 998-2125 FAX (508) 998-7554	revised: 5-11-20 scale: 1" = 60' date: 9-5-18 drawn: JPT checked: SML approved: SML
	project: "BARBOZA ESTATES" ASSESSORS PLAT 510 LOT 109 267 KING ROAD TIVERTON, RHODE ISLAND	client: ROBERT BARBOZA
drawing title: EROSION AND SEDIMENT CONTROL PLAN	OWNERS: ROBERT W. & COLLEEN S. BARBOZA 267 KING ROAD TIVERTON, RI 02878	sheet 1 of 2 drawing number: 17-6760_ECP



**NOTE:**  
THE CULTEC RECHARGER 180HD CHAMBER AND STONE FOUNDATION PROVIDE 35.37 CU. FT. OF STORAGE CAPACITY WITH A 6" STONE FOUNDATION.

WELL GRADED GRANULAR BACKFILL WHICH CONTAIN AN EVEN DISTRIBUTION OF PARTICLE SIZES WITH NO MORE THAN 12% PASSING THE #200 SIEVE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR DENSITY. SEE THE TABLE OF ACCEPTABLE FILL MATERIALS IN STORMTECH'S DESIGN MANUAL, INSTALLATION MANUAL, OR WWW.STORMTECH.COM.



ROOF DRAIN INFILTRATION SYSTEM DETAIL NOT TO SCALE

- NOTES:**
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  6. THE SUBJECT PROPERTY IS NOT LOCATED IN A WATERSHED PROTECTION OVERLAY DISTRICT.
  7. THIS PROPERTY IS SUBJECT TO A VARIANCE GRANTED BY THE TIVERTON ZONING BOARD OF REVIEW ALLOWING THE SIDE-SETBACK TO BE REDUCED FROM 35' AS REQUIRED TO 25' AS SHOWN.

- GENERAL NOTES:**
1. CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
  2. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THESE PLANS ARE BASED ON FIELD AND RECORD INFORMATION AND, THEREFORE, MAY NOT COMPLETELY DEPICT ALL EXISTING UTILITIES.
  3. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS ARE FOUND TO DIFFER WITH THESE DRAWINGS.
  4. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF THE ABUTTING AREA AND UTILITIES IN THE CONSTRUCTION OF THIS SITE. REPAIR OF DAMAGED PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE OWNER.
  5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY WATERPROOFING THE BASEMENT. NO DETERMINATION OF THE HIGH GROUNDWATER ELEVATION HAS BEEN MADE BY THE ENGINEER ON THIS LOT.
  6. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL CONSTRUCTION.

- LEGEND**
- PROPERTY LINE
  - EASEMENT LINE
  - WETLAND LINE
  - WLF A14
  - WETLAND FLAG
  - 50' BUFFER ZONE
  - TREE LINE
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - STONEWALL
  - STRUCTURE
  - C.B. TO BE SET
  - CONCRETE BOUND TO BE SET
  - UTILITY POLE
  - OVERHEAD WIRES
  - UNDERGROUND UTILITIES
  - BUILDING SETBACK LINE
  - SILT FENCE

**SOILS DATA**

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PERFORMED BY: EDWARD J. AVIZINIS	WITNESSED BY: ANDREW DERISO (DEM)	PERFORMED BY: EDWARD J. AVIZINIS	WITNESSED BY: ANDREW DERISO (DEM)
DATE: 7-21-17		DATE: 7-21-17	
0" A SANDY LOAM	3" B SANDY LOAM	0" A SANDY LOAM	6" B SANDY LOAM
24" C LOAMY SAND		24" C LOAMY SAND	
96"		96"	

**ZONING CLASSIFICATION:**  
MEDIUM DENSITY RESIDENTIAL R-80  
MINIMUM LOT AREA = 80,000 S.F.  
MINIMUM LOT FRONTAGE = 120'  
MINIMUM SETBACKS: FRONT = 50'  
SIDE = 35'  
REAR = 80'

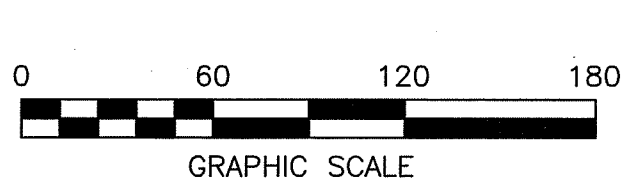
**OWNERS:**  
ROBERT W. & COLLEEN S. BARBOZA  
267 KING ROAD  
TIVERTON, RI 02878

**PURPOSE:**  
THE PURPOSE OF THIS PLAN IS TO DIVIDE LOT 109 AS SHOWN ON ASSESSORS PLAT 510 INTO TWO LOTS, AND TO CONSTRUCT A NEW SINGLE FAMILY DWELLING AND ASSOCIATED IMPROVEMENTS ON LOT 2.

**PLAN REFERENCES:**

VOLUME 1	PAGE 43
VOLUME 1	PAGE 54
VOLUME 17	PAGE 77
VOLUME 18	PAGE 58
VOLUME 18	PAGE 59
VOLUME 19	PAGE 127

JUL 14 2020  
5-11-20  
7-2-19  
9-5-18  
8-13-18  
7-18-18  
7-12-18  
6-12-18



- KEY ASSUMPTIONS AND NOTES:**
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
  2. FACE TEXTURE IS NORTH SHORE GRANITE.
  3. MINIMUM TURNING RADIUS 15 FEET.
  4. 1" SETBACK PER ROW ON A STRAIGHT WALL (ANGLE OF BATTER 3.6°) CURVED WALL 1-2.7° PER ROW.

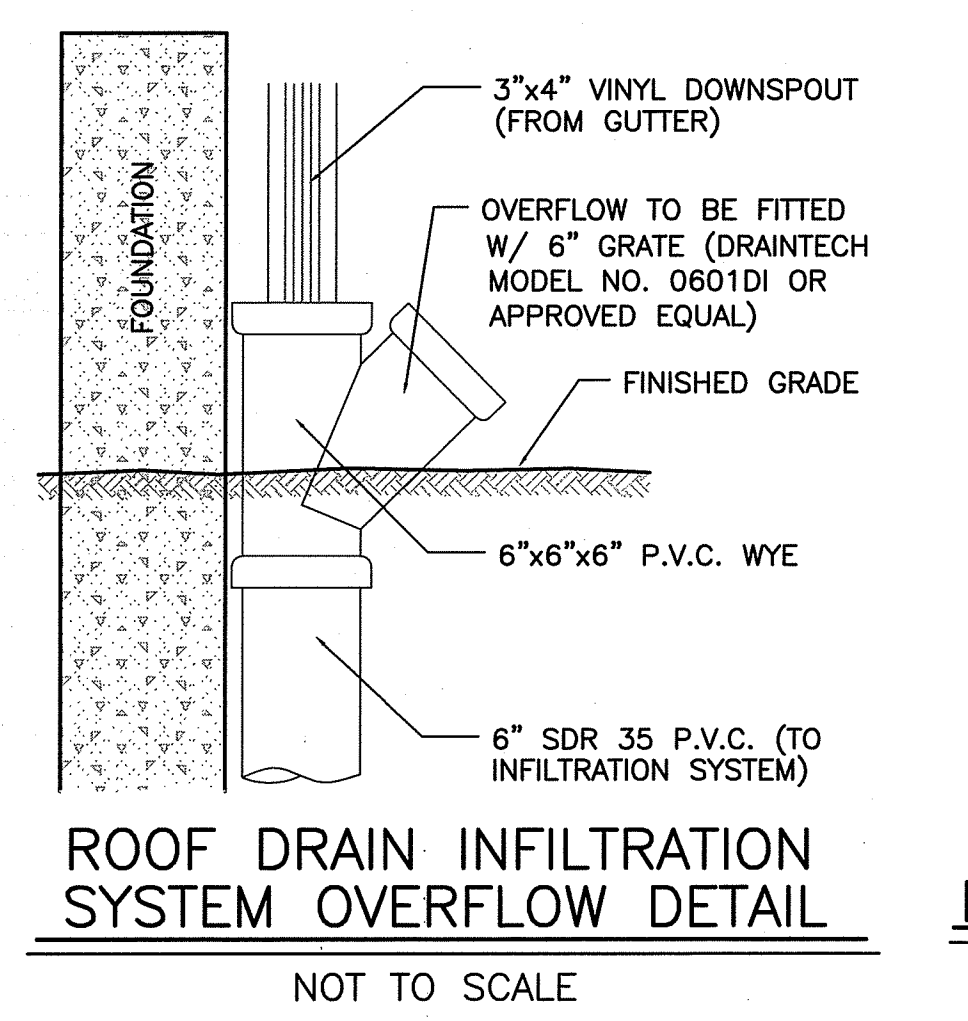
LOT NO.	AREA	FRONTAGE
1	505,215 SQ. FT.	120.00'
2	111,775 SQ. FT.	162.35'

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 BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS IN 2015. AS FOLLOWS:

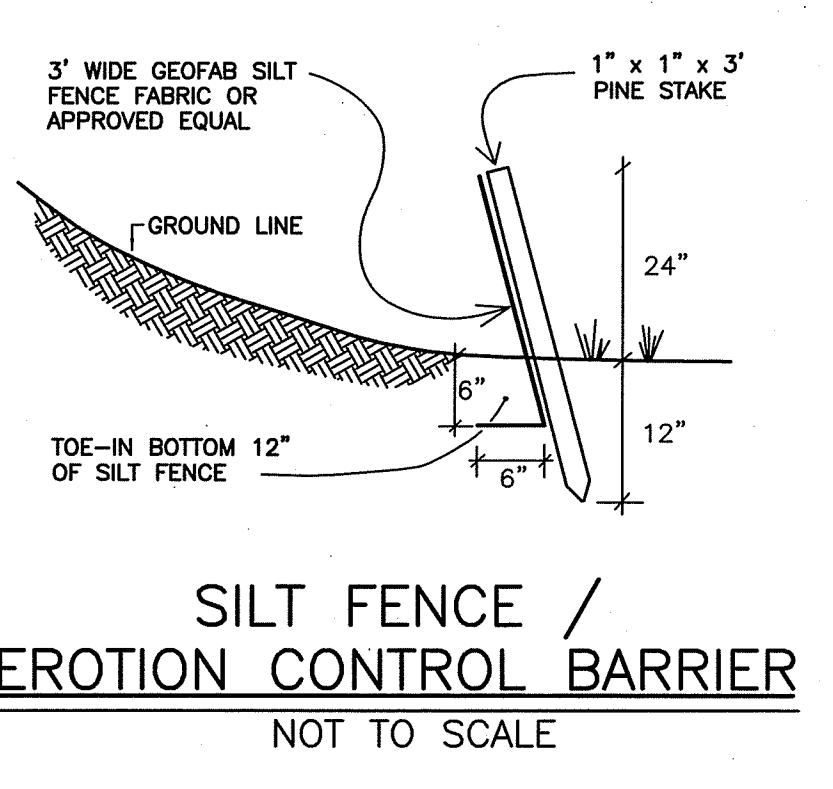
(a) TYPE OF BOUNDARY SURVEY  
COMPREHENSIVE BOUNDARY SURVEY  
DATA ACCUMULATION SURVEY

MEASUREMENT SPECIFICATION  
I  
II

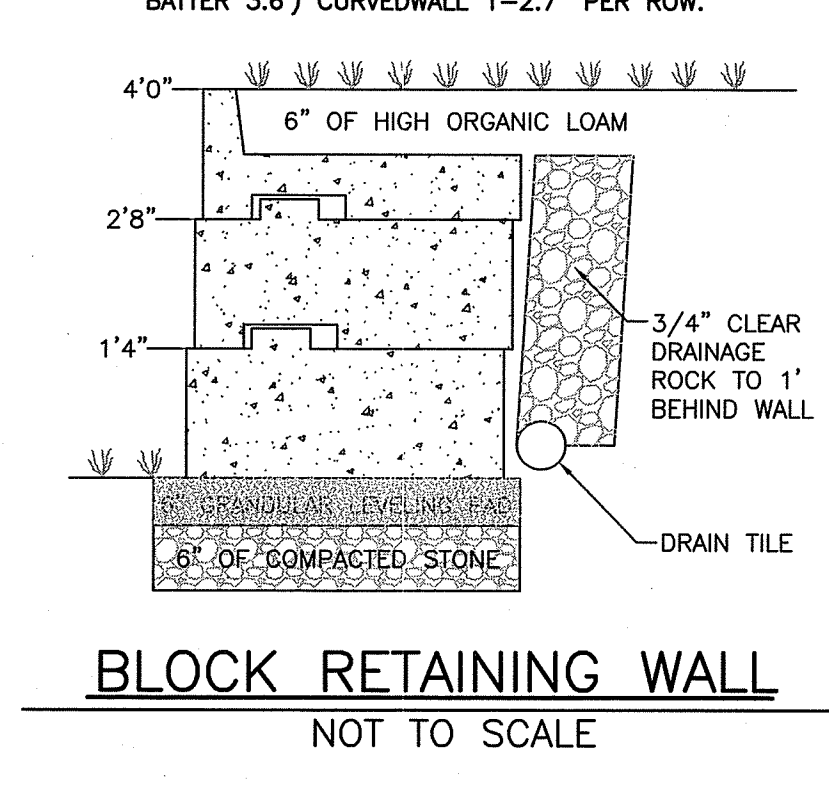
BY: SEAN M. LEACH PLS #1907  
LS.000A169 COA



ROOF DRAIN INFILTRATION SYSTEM OVERFLOW DETAIL NOT TO SCALE



SILT FENCE / EROSION CONTROL BARRIER NOT TO SCALE



BLOCK RETAINING WALL NOT TO SCALE

**SITEC**  
Civil and Environmental Engineering  
Land Use Planning

449 Fausch Corner Road  
Dartmouth, MA 02747  
(508) 998-2125  
FAX (508) 998-7554

project: "BARBOZA ESTATES"  
ASSESSORS PLAT 510 LOT 109  
267 KING ROAD  
TIVERTON, RHODE ISLAND

client: ROBERT BARBOZA

drawing title: PRELIMINARY MINOR SUBDIVISION PLAN

scale: 1" = 60'  
date: 5-11-18  
drawn: JPT  
checked: SML  
approved: SML

REGISTERED PROFESSIONAL ENGINEER

sheet 2 of 2  
drawing number: 17-6760\_PMSF