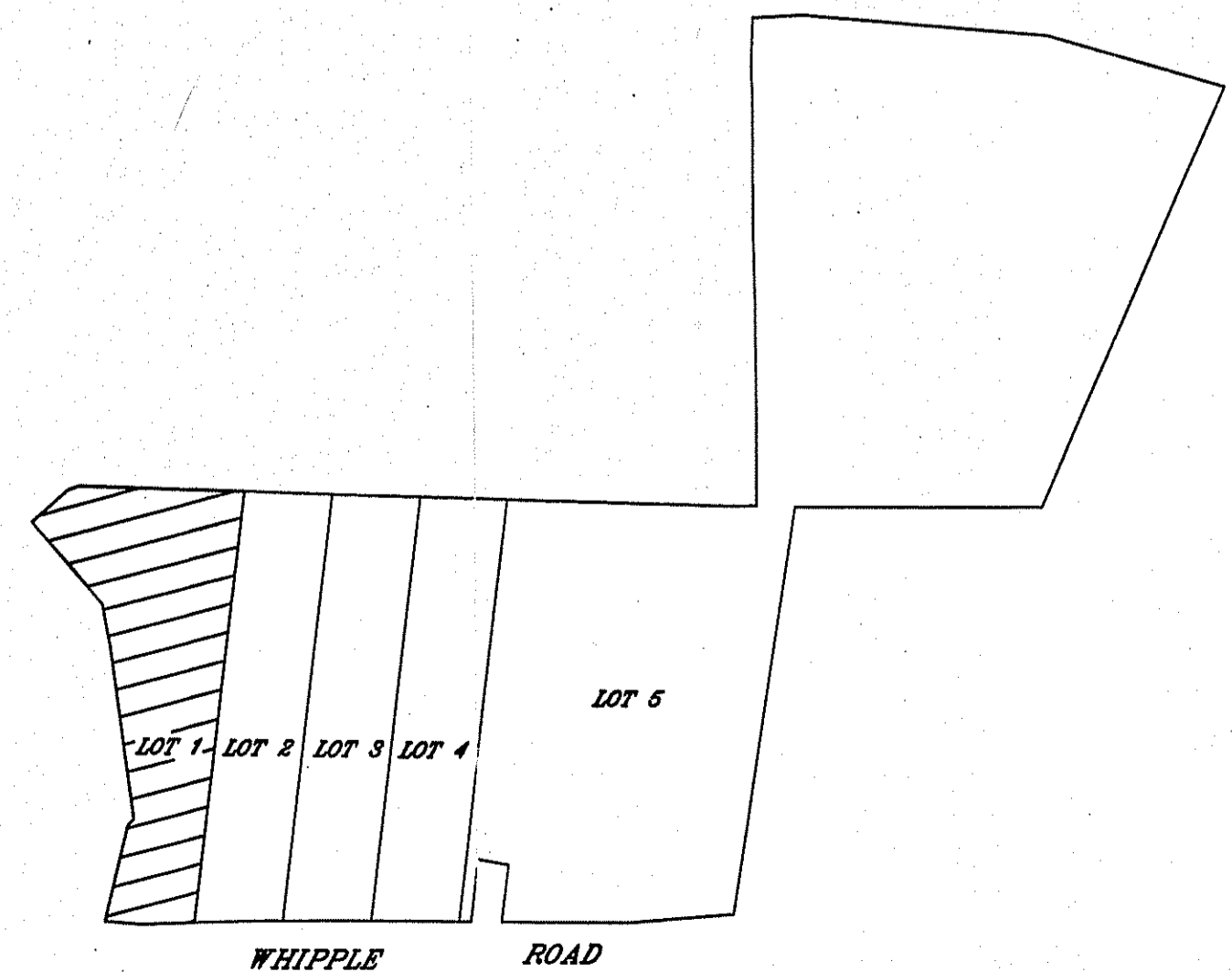
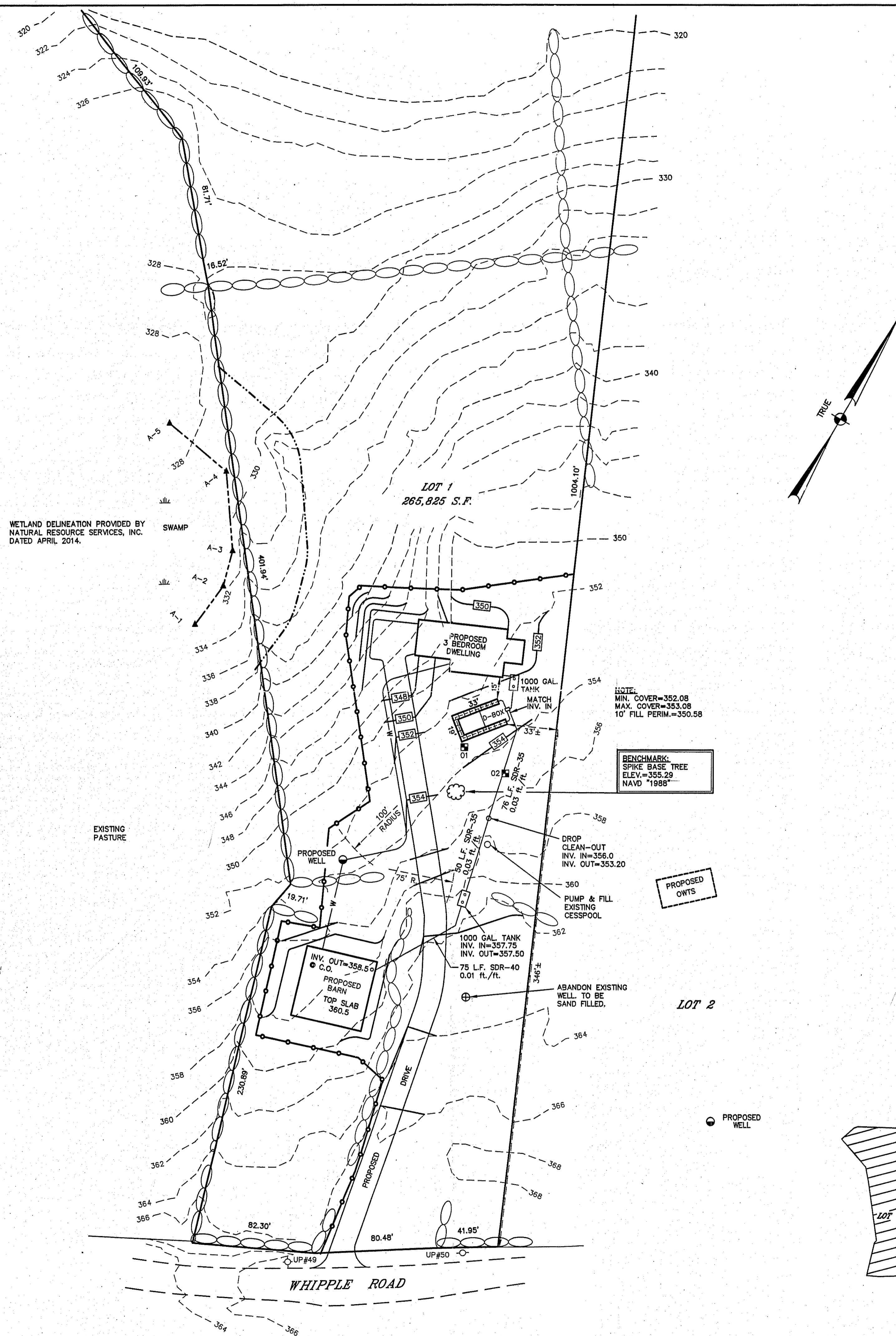
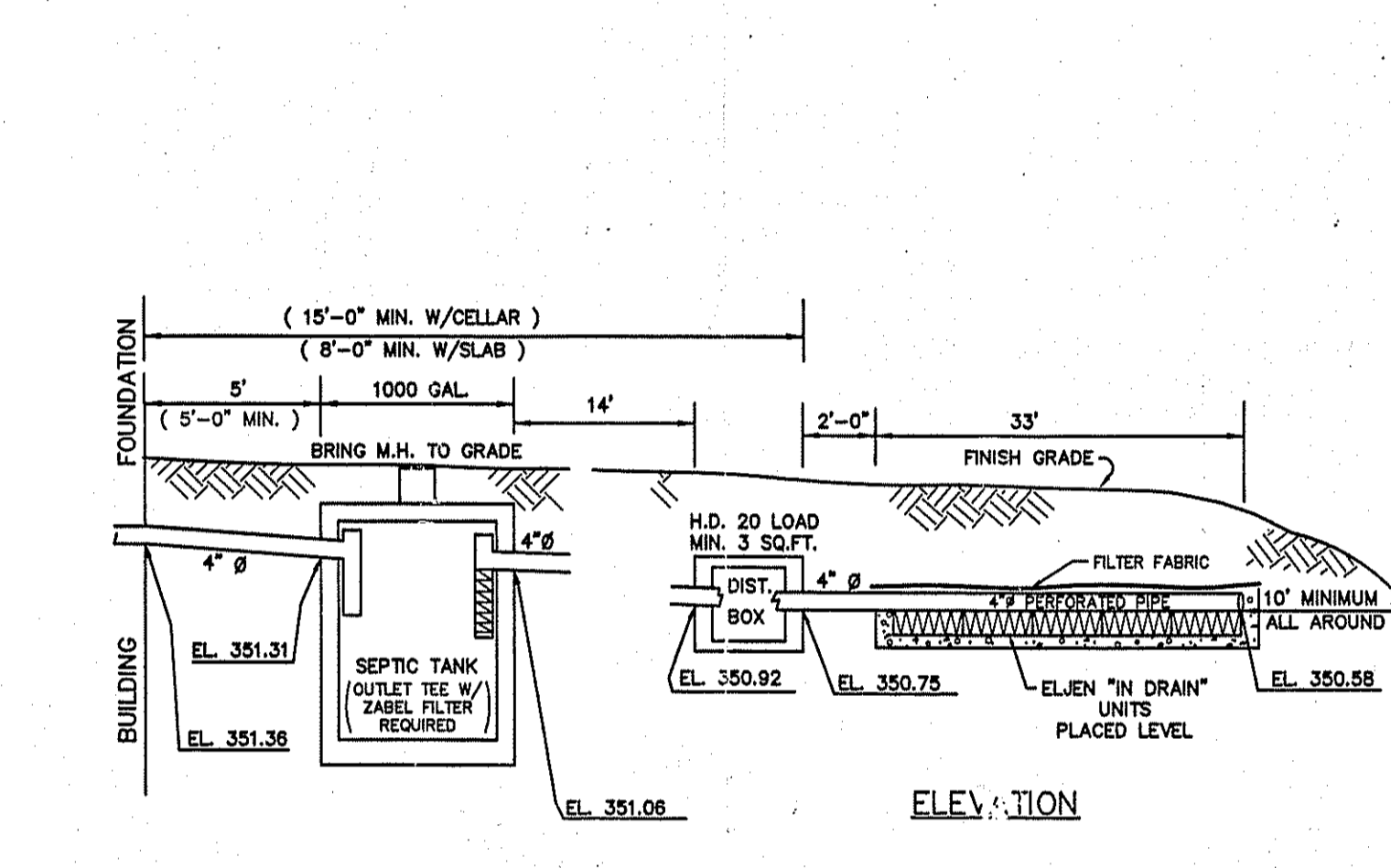
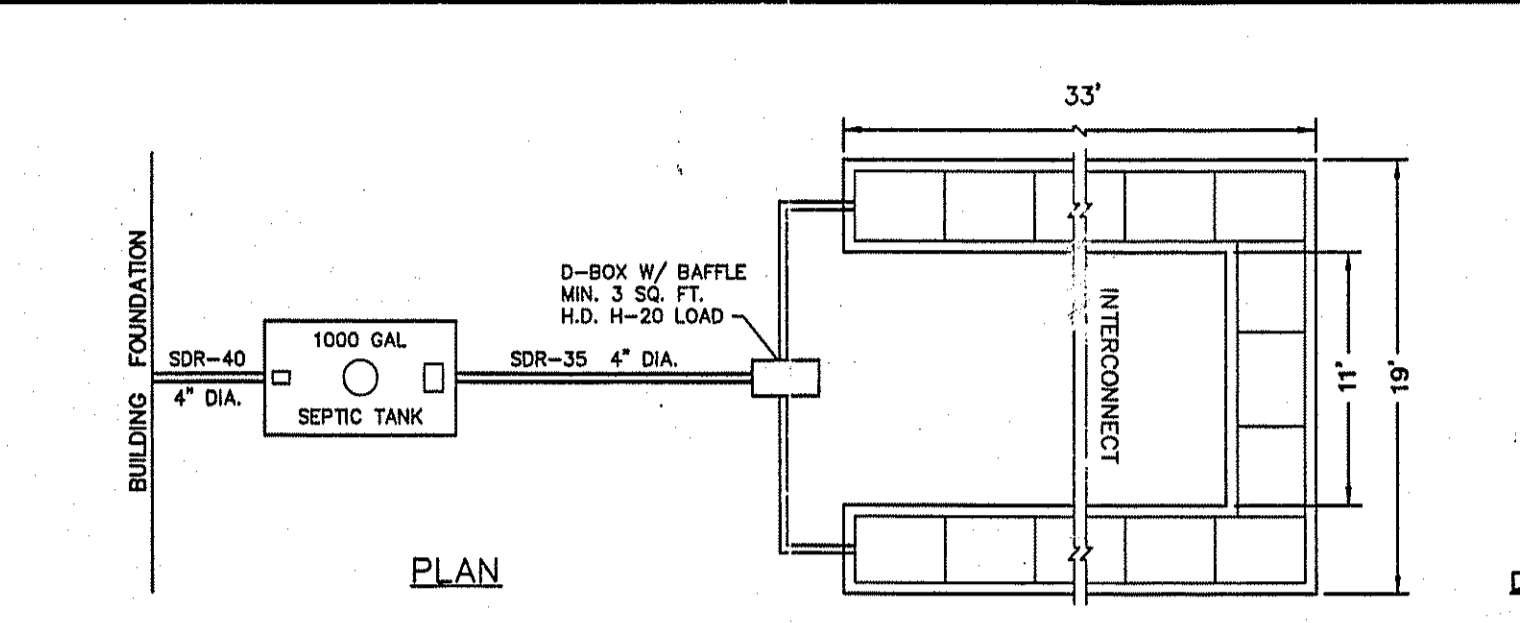
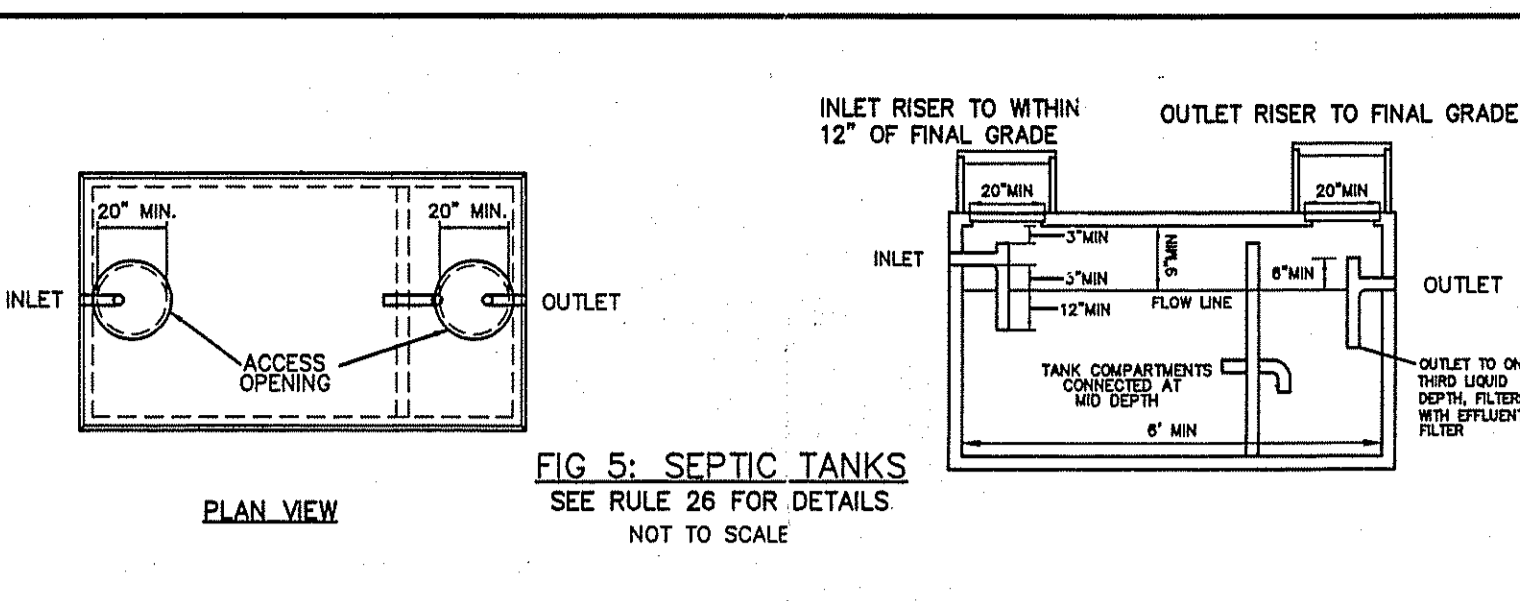
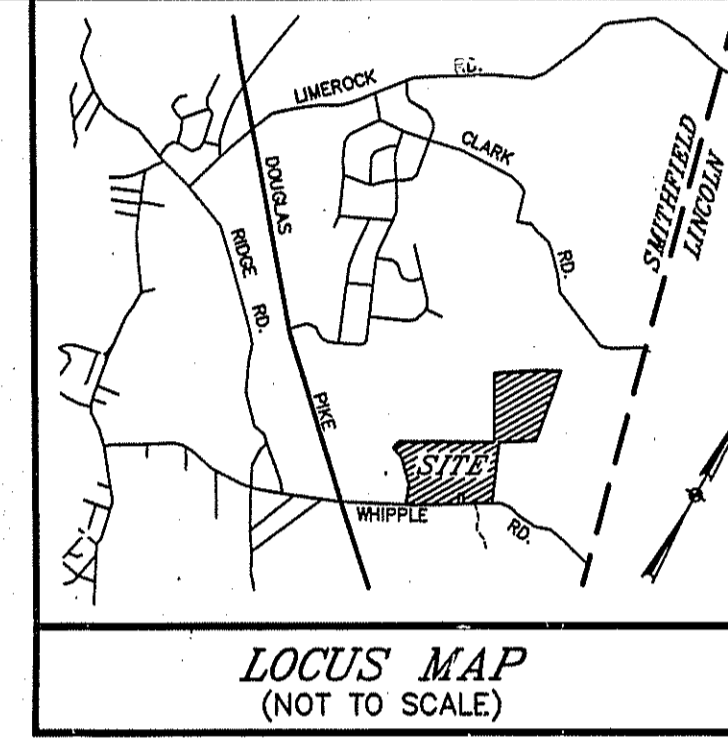
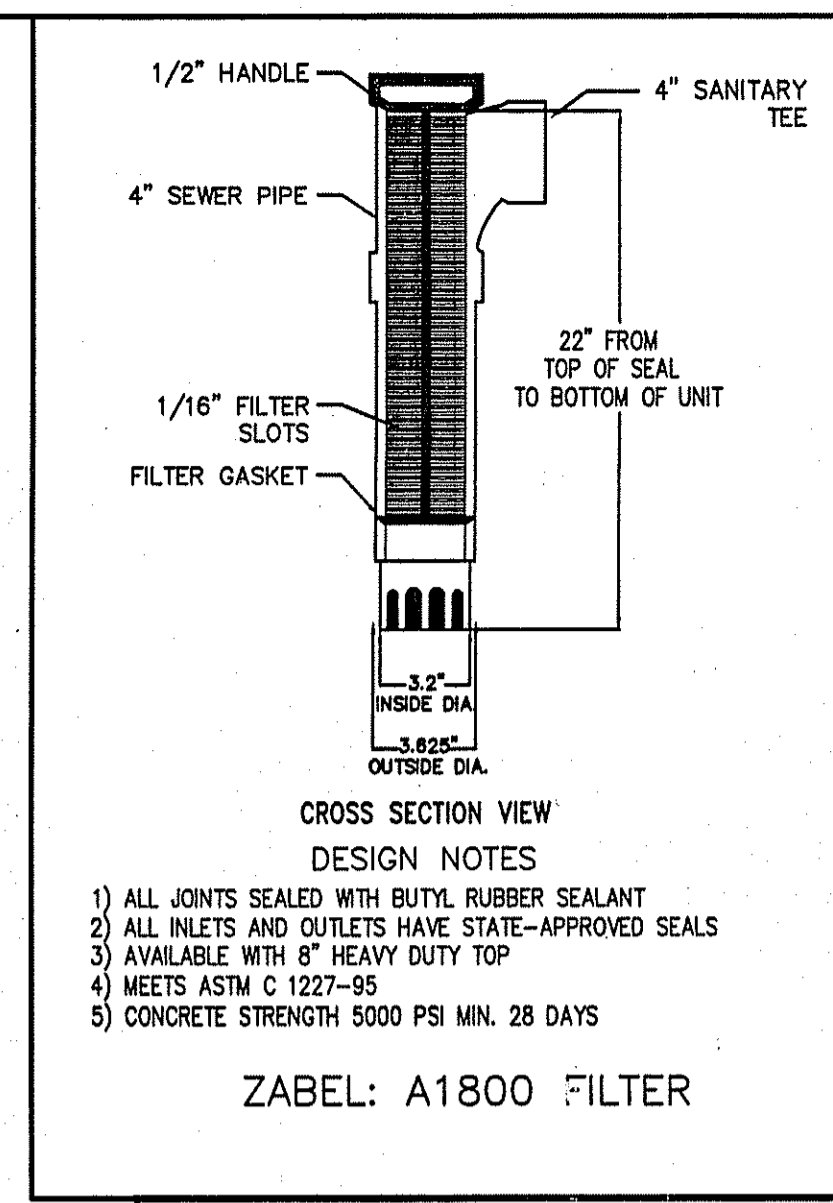


WETLAND DELINEATION PROVIDED BY NATURAL RESOURCE SERVICES, INC. DATED APRIL 2014.



SITE MAP (NOT TO SCALE)



S31-94  
SUBDIVISION LOT 1  
6'-0" IN THE INDICATED AREA

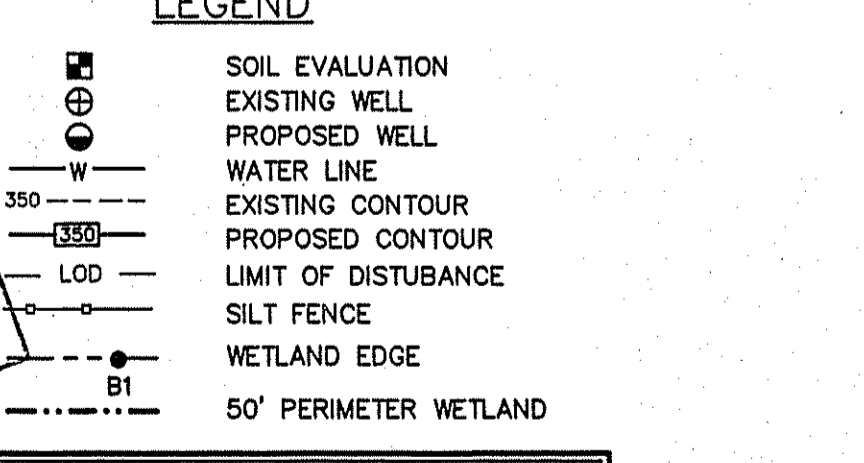
TEST PIT LOG	
DATA	#01
SURFACE ELEVATION	353.0
GROUND WATER ELEV.	347.0
BOTTOM OF SYSTEM	350.0
SOIL CATEGORY	6M
SOIL LOADING RATE	0.70 (GAL/SF/DAY)

DESIGN CRITERIA:  
3 BEDROOMS @ 115 GPD/BR UNIT = 345 GPD  
BARN RESTROOM (KENNEL x 2 ADULTS) 10 GPD/UNIT = 20 GPD  
365 GPD/70 gals/sq ft/day = 521.4 S.F.  
REQUIRED LEACHING AREA = 521.4 S.F.  
DESIGN LEACHING AREA = 532.0 S.F.  
INDRAIN: 7 S.F./L.F. = 28 S.F./UNIT  
USE 19 UNITS

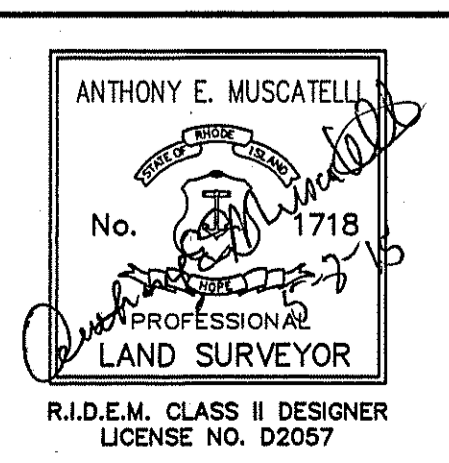
SEWAGE DISPOSAL SYSTEM DETAILS  
NO SCALE

- SEWAGE DISPOSAL SYSTEM NOTES**
- (1) ALL KNOWN WELLS (EXISTING & PROPOSED) ARE SHOWN WITHIN 200' OF THE PROPOSED SYSTEM.
  - (2) THERE ARE NO KNOWN WELLS (EXISTING & PROPOSED) WITHIN 100' OF THE PROPOSED SYSTEM.
  - (3) THE PROPOSED WELL LOCATION IS NOT WITHIN 100 FEET OF ANY KNOWN SYSTEM.
  - (4) NO PARKING OR VEHICULAR TRAFFIC SHALL BE PERMITTED OVER THE PROPOSED SYSTEM AT ANY TIME.
  - (5) ALL CONSTRUCTION AND APPURTENANCES SHALL CONFORM TO R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT REGULATIONS (LAND RESOURCES DIVISION) R-23-ISO, AND SHALL NOT DEVIATE WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT AND DESIGNER.
  - (6) THE LEACHING AREA, EXTENDING AT LEAST 10 FEET ON ALL SIDES, MUST BE STRIPPED OF TOPSOIL, SUBSOILS, AND SOIL CONTAINING FINES, AND THE BOTTOM OF THE EXCAVATION SCARIFIED AND BACKFILLED WITH A COARSE GRAINED SOIL CONTAINING LITTLE OR NO FINES. THE LEACHING SYSTEM SHALL NOT BE CONSTRUCTED WHEN THE ORIGINAL SOIL WAS STRIPPED TO, OR INTO, THE GROUND WATER TABLE UNLESS APPROVED BY THE DIRECTOR.
  - (7) THE LEACHING AREA, EXTENDING AT LEAST 0 FEET ON ALL SIDES, MUST BE STRIPPED OF TOPSOIL, SUBSOILS, AND SOIL CONTAINING FINES, AND THE BOTTOM OF THE EXCAVATION SCARIFIED AND BACKFILLED WITH A COARSE GRAINED SOIL CONTAINING LITTLE OR NO FINES. THE LEACHING SYSTEM SHALL NOT BE CONSTRUCTED WHEN THE ORIGINAL SOIL WAS STRIPPED TO, OR INTO, THE GROUND WATER TABLE UNLESS APPROVED BY THE DIRECTOR.
  - (8) THE DESIGNER IS TO BE NOTIFIED A MINIMUM OF 72 HOURS PRIOR TO INSTALLATION OR ANY REQUIRED INSPECTION.
  - (9) OUTLET TEE REQUIRED ON SEPTIC TANK.
  - (10) DRAINS - NO SUBDRAINS WITHIN 25' ALLOWED (INCLUDING FOUNDATION DRAINS).
  - (11) NO WATER LINE SHOULD BE WITHIN 25' OF THE SEWERAGE SYSTEM.
  - (12) SYSTEM MUST BE SUPERVISED BY SYSTEM DESIGNER AS PER SD 27.00 OF THE RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO THE LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWERAGE DISPOSAL SYSTEMS.
  - (13) THERE ARE NO EXISTING OR PROPOSED PUBLIC DRINKING WATER SUPPLY WELLS WITHIN 500' OF THE PROPOSED SYSTEM.
  - (14) ALL KNOWN SEWERAGE SYSTEMS (EXISTING & PROPOSED) ARE SHOWN AND ARE MORE THAN 100' FROM THE PROPOSED WELL.

- LICENSED INSTALLER NOTES**
- RULE 43.6  
THE DESIGNER SHALL, AT MINIMUM BUT NOT LIMITED TO, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE ISDS:
- (1) THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACHFIELD;
  - (2) THE SIZE & CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX, GALLEYS, FLOW DIFFUSERS, ETC.;
  - (3) THE ELEVATIONS OF ALL PIPE INVERTS;
  - (4) AND IS PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
  - (5) COMPLETED INSTALLATION PRIOR TO COVERING;
  - (6) THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED;
  - (7) FINAL SOIL COVER INCLUDING THE FILL PERIMETER; AND
  - (8) ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ADJUTING LOTS.



**CERTIFICATION:**  
THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.



**INTERNATIONAL MAPPING & SURVEYING CORP.**  
19 INDUSTRIAL DRIVE  
SMITHFIELD, RI, 02917 (401) 232-2620

**LEACHING SYSTEM DESIGN**  
REFERENCE: SUBDIVISION SUITABILITY #S31-94

**PLAN SHOWING SITE IMPROVEMENTS & OWTS DESIGN FOR:**  
OWNER: JOAO M. & MARIA R. REGO  
263 OLD COUNTY ROAD  
SMITHFIELD, RI 02917  
LOCATION: WHIPPLE ROAD  
SMITHFIELD, RI  
POLE: # 49

A.P. 42 PORTION LOT 11  
SUBDIVISION LOT 1  
265,825 S.F.

3 BEDROOM DESIGN BARN RESTROOM	SCALE: 1" = 40'	DATE: MAY 2, 2015	PROJECT NUMBER: 13070611
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**NOTE:** DESIGNER REQUIRES 72 HOURS NOTICE PRIOR TO ANY REQUIRED INSPECTION. INSTALLER IS TO NOTIFY THIS OFFICE PRIOR TO THE START OF CONSTRUCTION.

MAY 12 2015