

LEGEND

- 100 --- PROPERTY LINE
- EXISTING CONTOUR
- WETLAND EDGE
- 530x0 --- PROPOSED SPOT GRADE
- PROPOSED CONTOUR
- PROPOSED WELL SERVICE
- SOIL EVALUATION BY THALMANN ENGINEERING DATED NOV. 7, 002
- OLD TESTHOLE ON FILE AT RIDEM (0313-2361)
- SILT FENCE EROSION CONTROL
- LIMIT OF DISTURBANCE (NO EROSION CONTROL REQ'D)

ZONE: A3

- MINIMUM LOT AREA 3 ACRES
- MINIMUM LOT WIDTH 300'
- MINIMUM FRONT YARD SETBACK 75'
- MINIMUM SIDE YARD SETBACK 50'
- MINIMUM REAR YARD SETBACK 100'
- MAXIMUM BUILDING COVERAGE 4%
- MAXIMUM BUILDING HEIGHT 35'

FLOOD NOTE

THE PROJECT SITE LIES WITHIN ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN BASED ON FLOOD INSURANCE RATE MAP PANEL 145 OF 451, MAP NUMBER 44007C0145G; EFFECTIVE DATE MARCH 2, 2009.

GENERAL NOTES

1. TOPOGRAPHY UPDATED BY MLC SURVEYING, INC. OF LINCOLN, RI ON APRIL 15, 2010.
2. PROPERTY LINE FROM AS-BUILT PLAN RECORDED IN TOWN OF GLOCESTER.
3. INSTALLER SHALL CONTACT DIG-SAFE 72 HOURS IN ADVANCE OF ANY EXCAVATION WORK TO BE PERFORMED.
4. INSTALLER SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES ALONG DOWN GRADIENT SIDE OF LAND DISTURBING ACTIVITIES AS SHOWN ON THIS PLAN.
5. DESIGNER SHALL BE CONTACTED IF ANY DISCREPANCIES ARE FOUND IN THE FIELD.
6. CONTACT THE DESIGNER AT LEAST 24 HOURS IN ADVANCE PRIOR TO START OF CONSTRUCTION AND FOR BOTTOM AND COVER INSPECTIONS.

DESIGN CALCULATION

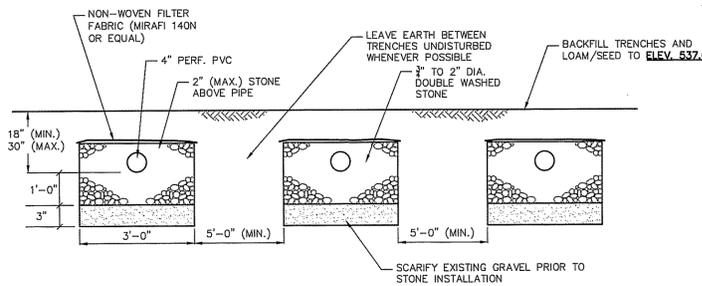
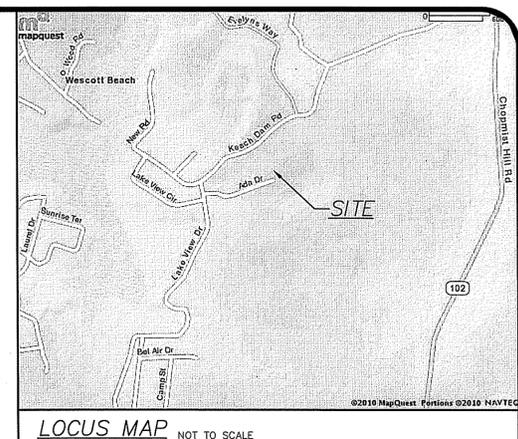
- 5 BEDROOMS X 115 GALLONS PER BEDR./DAY = 575 GALLONS PER DAY
- DESIGN LOADING RATE FOR SOIL CATEGORY 1 = 0.81 GAL/S.F./DAY
- 575 GPD / 0.81 GAL/S.F./DAY = 709 LEACHING AREA REQUIRED
- LEACHFIELD = 3'-0" WIDE TRENCH X 1'-0" STONE BELOW PIPE
- 943 S.F. / 3.7 S.F. PER L.F. = 255 L.F. TRENCH REQUIRED
- 5 TRENCHES X 47 L.F. + 4 CONNECTOR TRENCHES X 5 L.F. = 255 L.F.
- TOTAL AREA PROVIDED = 943.5 S.F. > 943 S.F.

INVERT SCHEDULE

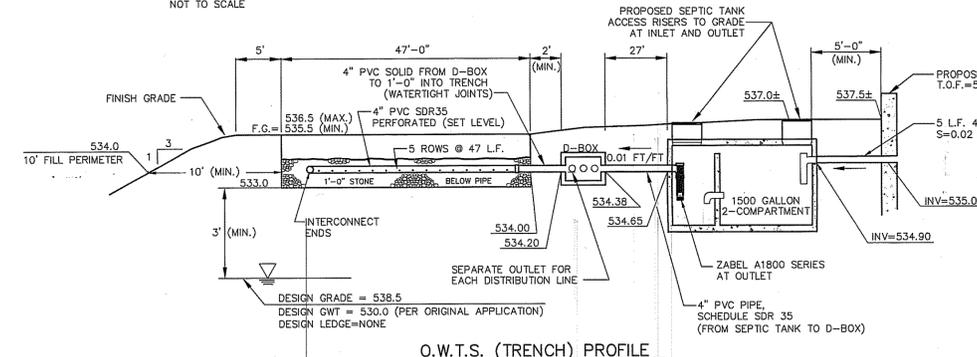
TOP OF FOUNDATION	538.00
BUILDING SEWER	535.00
SEPTIC TANK IN	534.90
SEPTIC TANK OUT	534.65
D-BOX IN	534.38
D-BOX OUT	534.20
LEACHFIELD INVERT	534.00
BOTTOM OF STONE	533.00
STRIP ELEV. (35'X47')	533.00
SEASONAL HIGH G.W.T.	530.00
LEDGE/BEDROCK	N/A

OWTS NOTES:

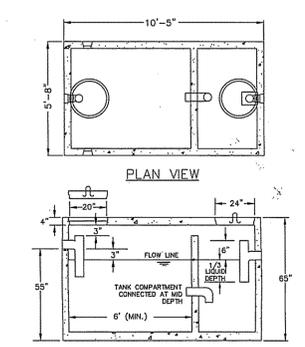
1. ALL DESIGN, CONSTRUCTION, AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, JANUARY 1, 2008 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
2. STRIP LEACHING AREA AND 0 FEET AROUND ENTIRE PERIMETER AND EXCAVATE DOWN TO ELEVATION 533.00, REMOVING ALL TREES, BRUSH, TOPSOIL, SUBSOIL, UNDESIRABLE MATERIAL AND SOIL CONTAINING FINES. REPLACE WITH GRAVEL IF REQUIRED AS SPECIFIED IN RIDEM REGULATIONS.
3. INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SMEARED.
4. ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
5. MAINTAIN INVERT ELEVATION OF 534.00 FOR 10 FEET AROUND SYSTEM.
6. THERE ARE NO KNOWN PRIVATE WELLS OR DRAINS EXIST, OR PROPOSED LOCATED WITHIN 200 FEET OF THE OWTS EXCEPT AS SHOWN AND NO KNOWN PUBLIC WELLS (EXIST. & PROP.) LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS.
7. THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING, OR PROPOSED, WITHIN 50 FEET OF THE PROPOSED OWTS.
8. ALL PVC PIPE SHALL BE 4" DIA. SDR 35 OR EQUIVALENT, UNLESS NOTED OTHERWISE.
9. THE SEPTIC TANK SHALL HAVE TEES ON BOTH THE INLET AND OUTLET AND SHALL BE A TWO (2) COMPARTMENT TANK WITH THE 1ST COMPARTMENT CONSISTING OF 2/3 TANK CAPACITY.
10. THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
11. NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.
12. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
13. WHEN SYSTEM IS DESIGNED ON SOIL CATEGORY 1 SOIL, THE SETBACK DISTANCES TO LEACHFIELD/SEPTIC TANK/BUILDING SEWER IS 150/100/75.



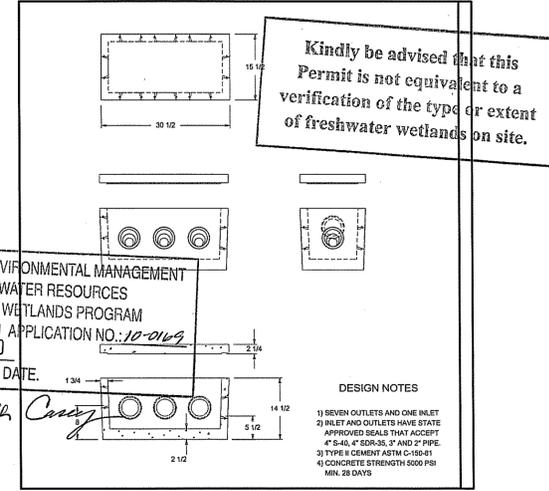
TRENCH CROSS SECTION
NOT TO SCALE



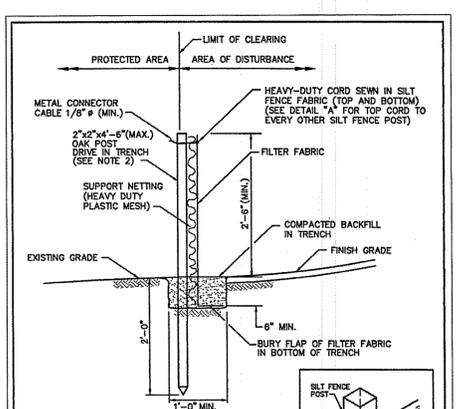
O.W.T.S. (TRENCH) PROFILE
NOT TO SCALE



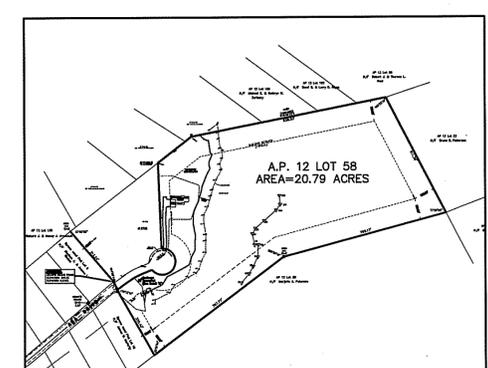
1500 GALLON 2-COMPARTMENT SEPTIC TANK
JOLLY PRECAST OR EQUAL
NOT TO SCALE



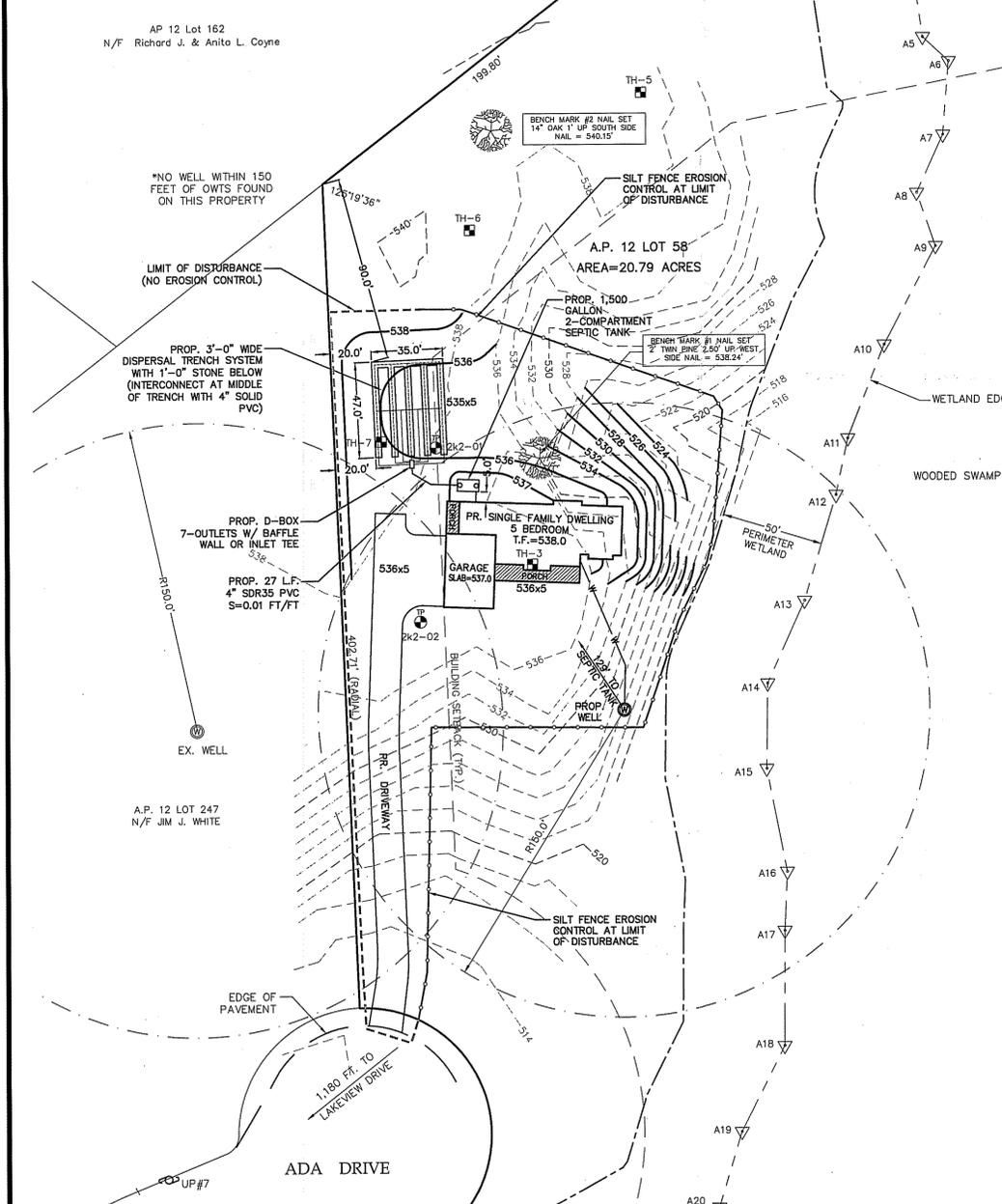
DISTRIBUTION BOX (DB7-1)
H-20 RATED
JOLLY PRECAST OR EQUAL



SILT FENCE DETAIL
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
JUNE 15, 1998
9.2.0



OVERALL LOT LAYOUT
1"=400'



PLAN SCALE 1"=40'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 10-0162
DATED SEP 16 2010
SEE LETTER OF SAME DATE.

W. Joseph Conroy

PROPOSED OWTS PLAN & DETAILS
5-BEDROOM DWELLING
A.P. 12 LOT 58
ADA DRIVE GLOCESTER, RI

PREPARED FOR:
DAN & JEAN CAVANAGH
280 FIELD HILL ROAD, CLAYVILLE, RI 02815

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
DAVIS S. RUOTOLO
NO. 8756

DATE: JULY 5, 2010
SCALE: 1"=40'
DESIGN/CHECK BY: C.S.R.

ADVANCED CIVIL DESIGN, INC.
CIVIL ENGINEERS
7 COUNTRYSIDE LANE
SCITUATE, RI 02857

NO. DATE DESCRIPTION
1 8-11-10 WETLANDS PD SUBMIT

SHEET NO. **1** OF 1