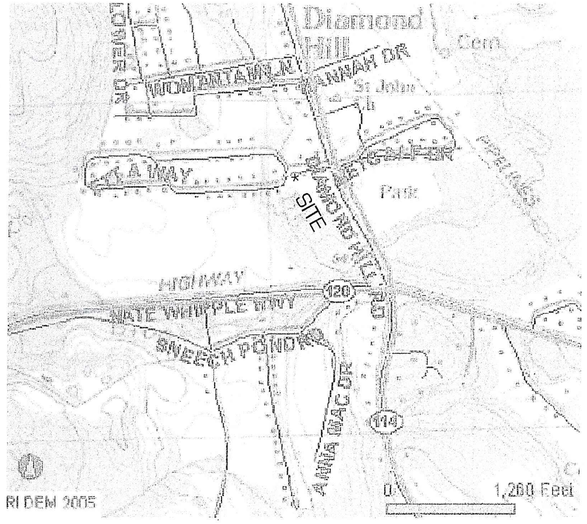
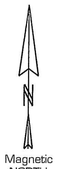
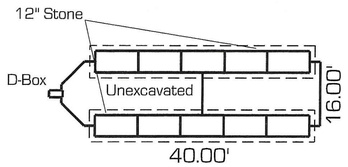
LOCUS

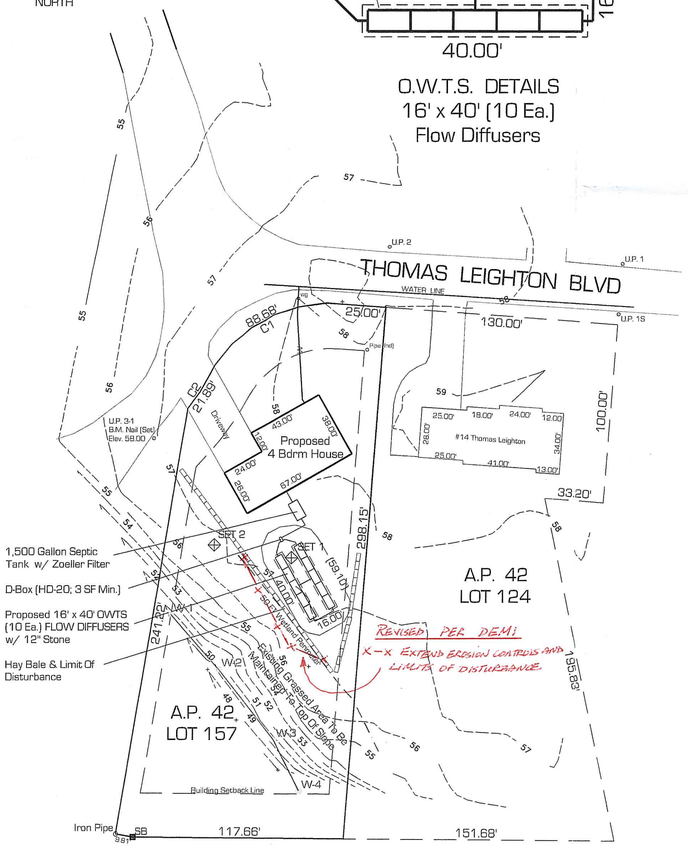



TOPOGRAPHIC MAP




O.W.T.S. DETAILS
16' x 40' (10 Ea.)
Flow Diffusers




This Survey and Plan conforms to a Class 3 Standard as adopted by the Rhode Island Board of Registration for Professional Land Surveyors.

40 20 0 40 80
Scale 1" = 40 FT

**O.W.T.S. CONSTRUCTION NOTES:**

1) Maintain invert elevation 57.56 for 10' around system.

2) Strip all topsoil to a 0 FT perimeter around system and backfill to elevation 58.10.

3) Clear all trees and stumps within 10 FT of system.

4) No existing or proposed Public wells within 400 FT of system other than specified on plan.

5) No existing or proposed leach fields within 100 FT of proposed well.

6) Proposed well to be installed 100 FT minimum from any leaching field.

7) Install 4" Schedule 40 PVC pipe or equivalent from foundation to septic tank. All other piping to be 4" Schedule 40 PVC.

8) Proposed top of foundation elevation is directly related to proper installation and functioning of leach field and should NOT be changed without first consulting Engineer.

9) No subsurface drainage to be installed within 25 ft of system.

10) All Design, Construction, and Maintenance requirements to be in conformance with the "Rules Establishing Minimum Standards Relating To Location, Design, Construction, And Maintenance Of Onsite Wastewater Treatment Systems; State of Rhode Island And Providence Plantations, Department of Environmental Management, Office of Water Resources" as amended.

**TEST HOLE DATA**
Application #0808-0646

SET #1

| | | | |
|---|---|---|---|
| Ap | 0 - 4" | sl | 1 gr |
| Bw | 4 - 20" | ls | 1 gr |
| C | 20 - 84" | gcbcos | 0sg |

Test Hole 10' Deep No Water in Hole
Design Depth 7' Water Table

SET #2

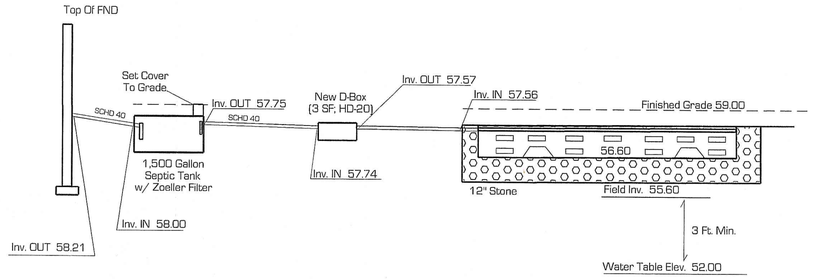
| | | | |
|---|---|---|---|
| Ap | 0 - 6" | sl | 1 gr |
| Bw | 6 - 22" | ls | 1 gr |
| C | 22 - 90" | gcbcos | 0sg |

Test Hole 10' Deep No Water in Hole
Design Depth 7' Water Table

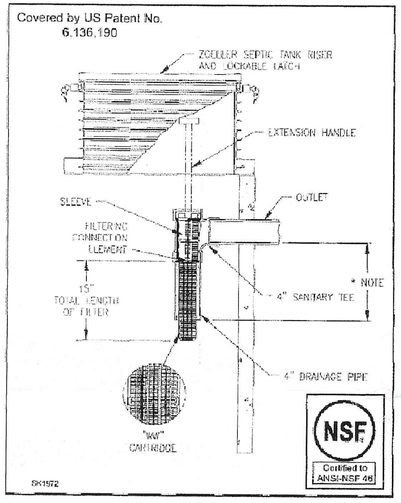
**O.W.T.S. DESIGN DATA**
4 Bdrms x 115 Gal./Day = 460 Gals.
460 Gals./.70 Perc Rate = 657.17 SF (Required)
4 Exterior Units @ 78 SF Ea. = 312 SF
658 SF - 312 SF = 346 SF
346 SF/64 SF/Interior Unit = 5.41 Units
6 Interior Units @ 64 SF Ea. = 384 SF
384 SF + 312 SF = 696 SF Used (658 SF Required)

**NOTES:**
Flagging Of Wetland Edge By GEORGE GIFFORD DESIGN GROUP.

Based On The Flood Insurance Rate Map (F.I.R.M.) For The Town Of Cumberland, Rhode Island. This Project Is Located In Zone X Of COMMUNITY PANEL NUMBER 440016 0004 B. Map Revised February 16, 1990.

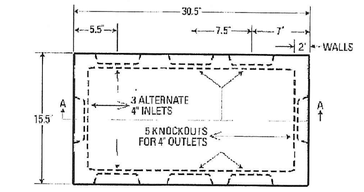



FLOW DIFFUSER CROSS - SECTION (N.T.S.)

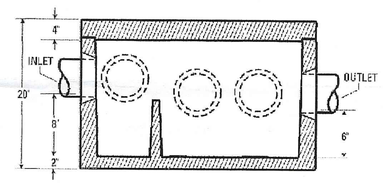



ZOELLER FILTER

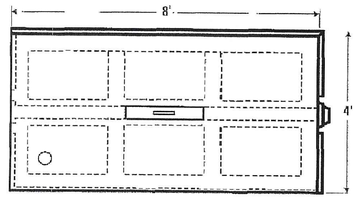
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



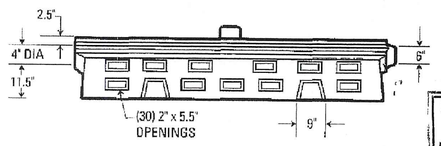

**SECTION AA**



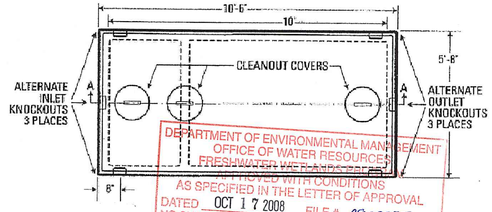

D-BOX (HD-20; 3 S.F. Min.)




**FRONT VIEW**

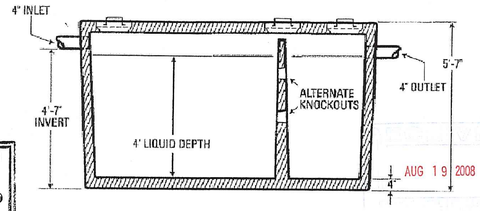



FLOW DIFFUSER




DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 17 2008 FILE # 08-0255
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
W. Joseph Casey

**SECTION AA**




1,500 GALLON SEPTIC TANK

DAVID M. GARRIGAN
No. 1589
PROFESSIONAL LAND SURVEYOR

AUG 19 2008

| REVISIONS | BY |
|---|---|
| | |
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| | |

NEW O.W.T.S. DESIGN
A.P. 42 LOT 157 CUMBERLAND, RI
For: Priscilla A. Bandoni 10 Thomas Leighton Blvd. Cumberland, RI 02864
By: David M. Garrigan PLS #1580 Cumberland, RI 02864

| | |
|---|---|
| Date | 06/02/08 |
| Scale | 1" = 40 FT |
| Drawn | MGD |
| Job | BANDONI |
| Sheet | Of 1 Sheets |