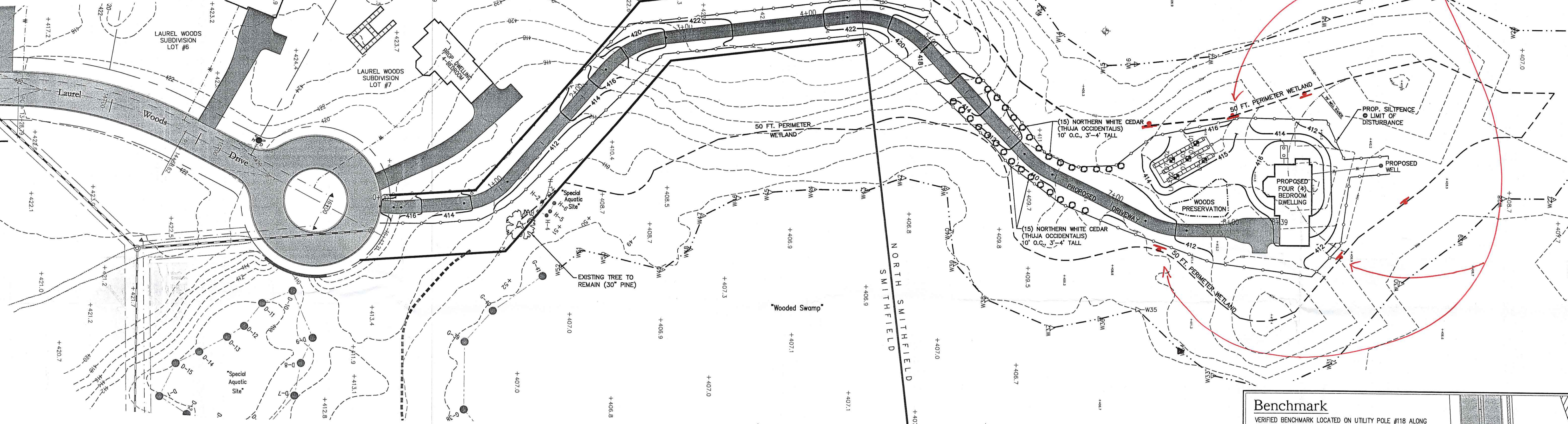


Locus Map N.T.S.



Buffer Zone Markers to be placed in these locations per RIDEM

Dimensional Regs

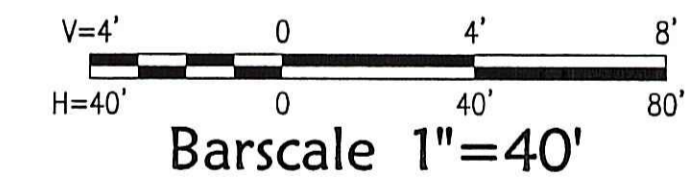
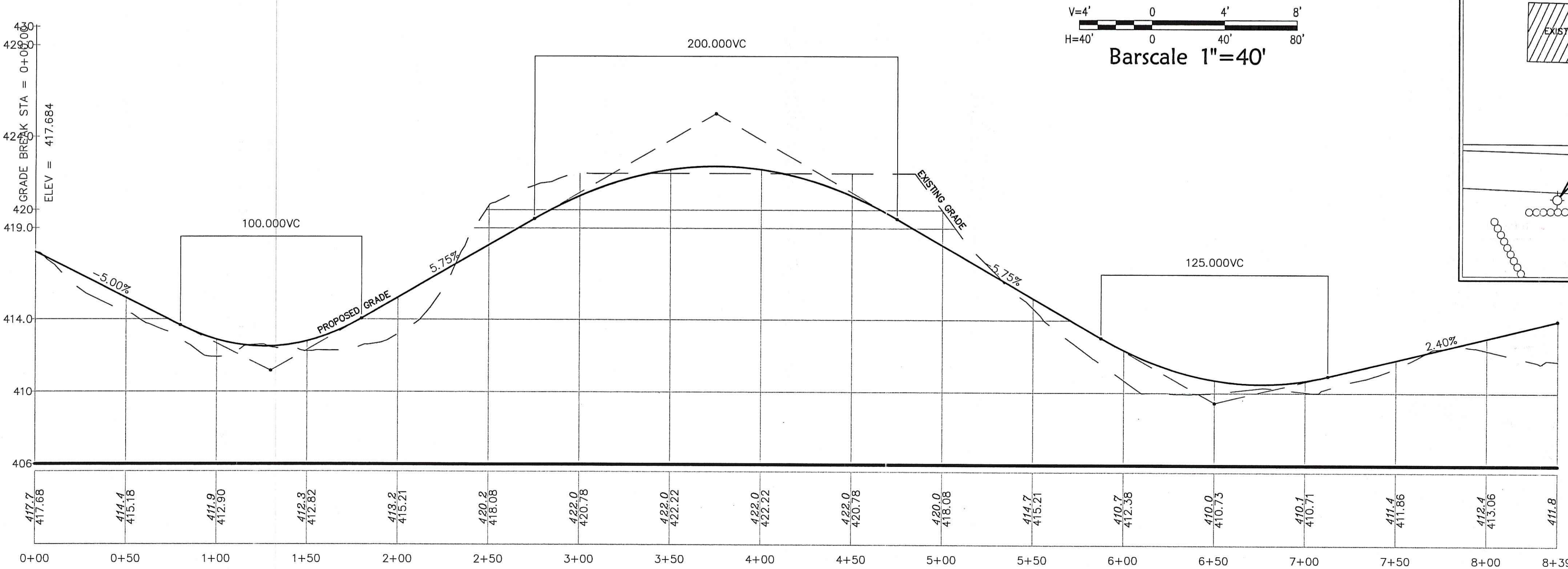
- Zoning R-80
- PARCEL LOT AREA 80,000 FT²
- LOT FRONTAGE AND WIDTH 200 FT.
- FRONT YARD SETBACK 40 FT.
- SIDE YARD SETBACK 25 FT.
- REAR YARD SETBACK 75 FT.

General Notes

1. THE PROPOSED DWELLING IS SERVICED BY A PRIVATE WELL AND AN ONSITE WASTEWATER TREATMENT SYSTEM (OWTS).
2. EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE INFORMATION. LOCATION OF ALL UNDERGROUND STRUCTURES ARE APPROXIMATE ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR TO CONTACT DIG-SAFE PRIOR TO START OF CONSTRUCTION.
4. UPON WETLANDS APPROVAL NATIONAL GRID WILL DESIGN ELECTRIC SERVICE TO PROPOSED DWELLING.

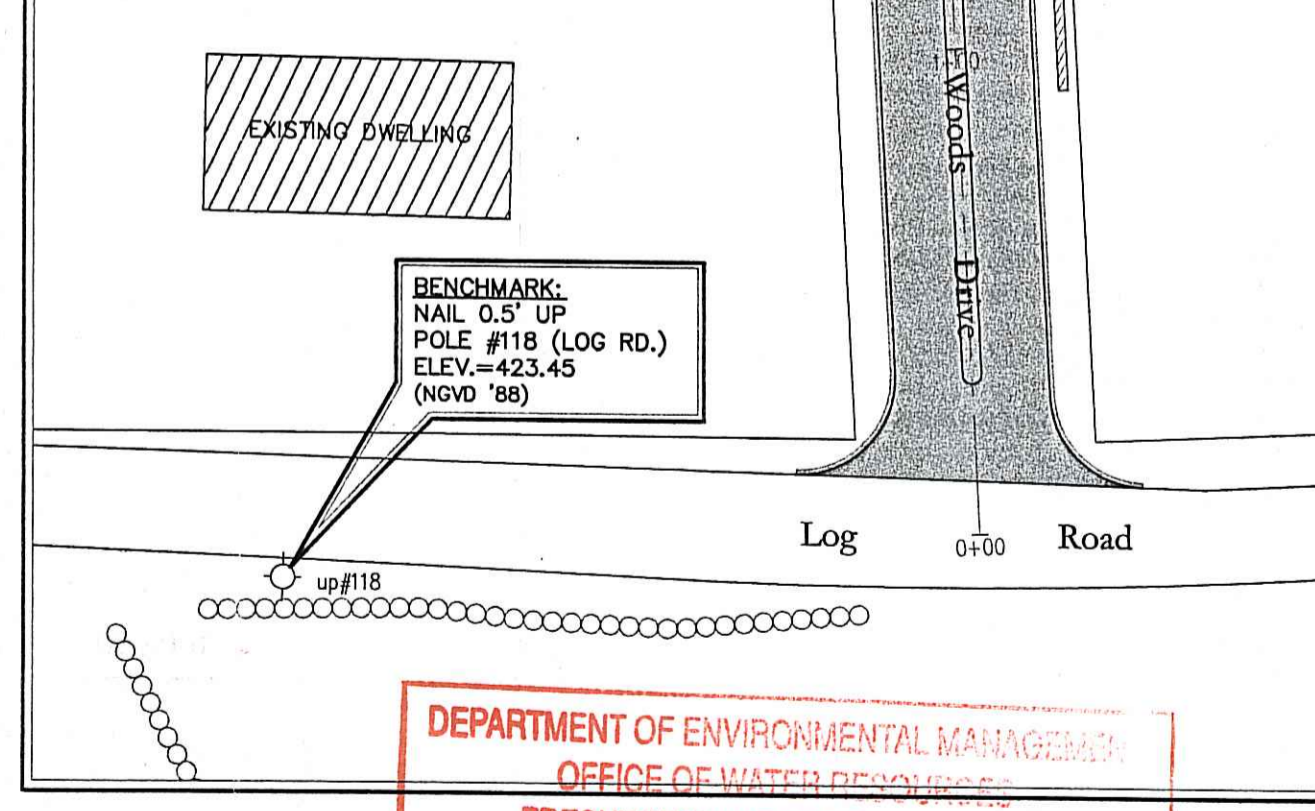
Plan Reference

PLAN WAS DEVELOPED FROM A PLAN ENTITLED, "PRELIMINARY PLAN SUBMISSION, LAUREL WOODS, MAJOR SUBDIVISION, ASSESSORS PLAT 50, LOT 43, LOG ROAD SMITHFIELD, RI, PREPARED FOR CASTLE POINTE, LLC, PREPARED BY THALMANN ENGINEERING, CO., INC., DATED 11/29/05, LAST REVISED MAY-05."



Benchmark

VERIFIED BENCHMARK LOCATED ON UTILITY POLE #118 ALONG LOG ROAD AT THE INTERSECTION OF LOG ROAD AND LAUREL WOODS DRIVE. CONTRACTOR TO CARRY BENCHMARK TO SITE OR SUBMIT OTHER SURVEYED BENCHMARK TO ENGINEER FOR APPROVAL.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO. 08-0199
DATED SEP 18 2008
SEE LETTER OF SAME DATE.

Legend

- 414 EXISTING COUNTOUR
- N/F NOW OR FORMERLY
- BUILDING SETBACK
- UTILITY POLE
- TEST HOLE
- PROPOSED WATER SERVICE
- 416 PROPOSED SERVICE
- SILT FENCE

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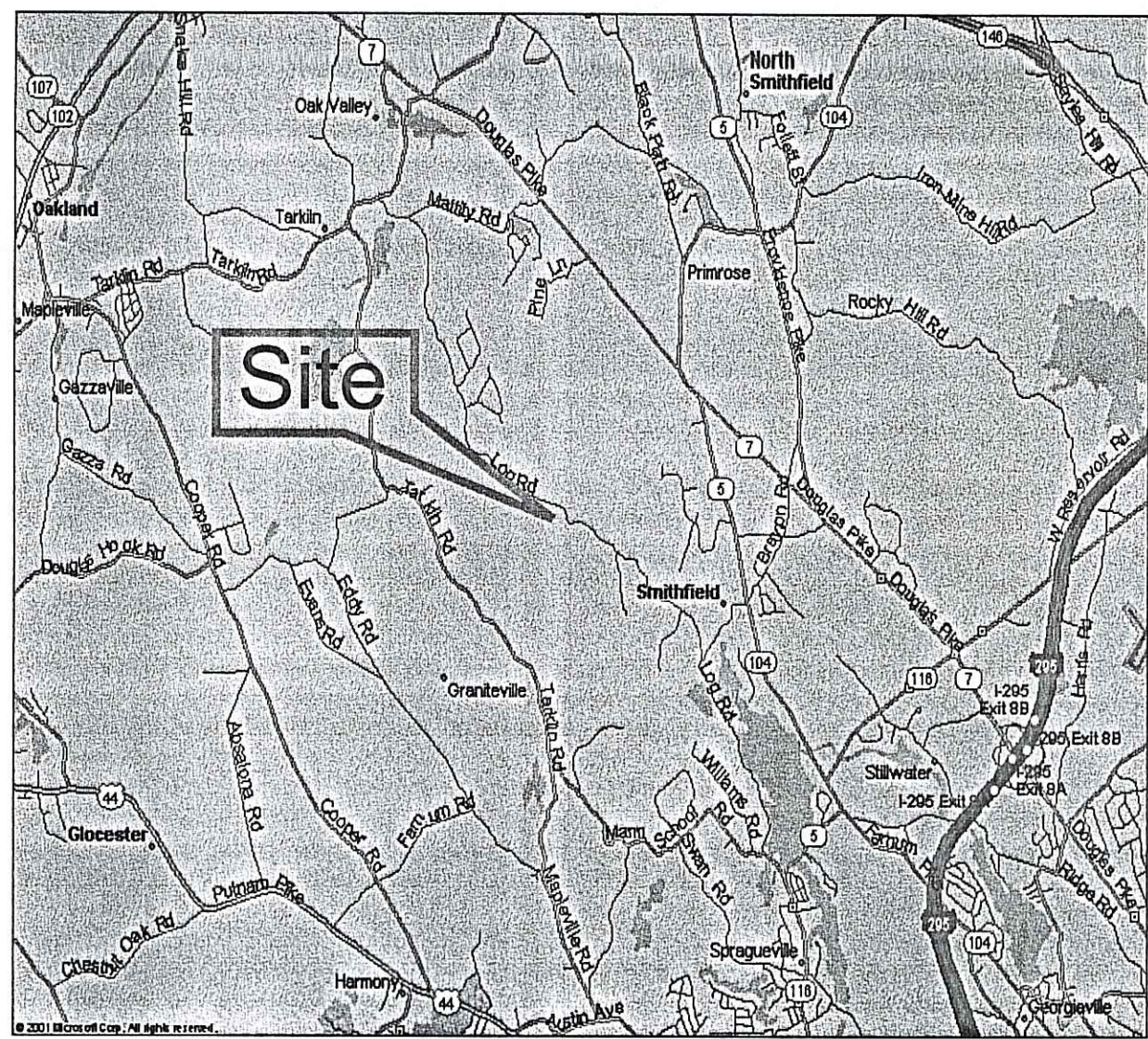
NO.	DATE	REVISION
1	5/16/08	REVISE WETLAND FLAGS & RELOCATE DRIVEWAY REB

THALMANN ENGINEERING CO., INC.
No. 6596
6596
PROFESSIONAL ENGINEER (GTM)

Thalman Engineering Co., Inc.
Site/Civil Engineers • Land Planners
600 Purnam Pike, Suite #7
Greenville, Rhode Island 02828
(401) 349-3040 • (401) 349-3041 (fax)

Overall Plan & Driveway Profile
Proposed Single-family Dwelling
Lot 32
Rhode Island
Smithfield
Laurel Woods Drive
Prepared for:
Lees Farm Commons, LLC
date: Feb.-08 90 Orchard Meadows Drive Smithfield, RI 02917
scale: As Noted

Design By: JEA
Checked By: BPT
Sheet
1
of 2
FILE NO.: 02.044



Locus Map N.T.S.

Design Methodology

- SOIL CATEGORY 4 = 0.61 GALS/SQ FT/DAY = 15 MIN/IN PERC. RATE
- REQUIRED LEACHING AREA:
115 GALS/BR/DAY + 0.061 GALS/SQ FT/DAY = 189 SQ FT/BR
4 BEDROOMS @ 189 SF/BEDROOM = 756 SF
- HIGH CAPACITY INFILTRATOR CHAMBER: 4 SF/LF X 6.25 LF/CHAMBER = 25 SF/CHAMBER
756 SF ÷ 25 SF/CHAMBER = 30.24 CHAMBERS
- PROVIDED AREA: 31 CHAMBERS X 25 SF/CHAMBER = 775 SF

Invert Schedule

DESIGN LEDGE (LP 01)	ELEV. 407.50
FINISH FLOOR ELEV.	ELEV. 417.00
BASEMENT SLAB	ELEV. 409.50
BLD. SEWER @ FOUNDATION	ELEV. 414.42
TOP OF TANK	ELEV. 415.20
SEPTIC TANK IN	ELEV. 414.37
SEPTIC TANK OUT	ELEV. 414.12
D-BOX IN	ELEV. 413.51
D-BOX OUT	ELEV. 413.34
CHAMBER TOP	ELEV. 413.50
CHAMBER INVERT	ELEV. 413.17
BOTTOM OF CHAMBER(S)	ELEV. 412.50

NOTES:
1. NO GROUNDWATER ENCOUNTERED. DESIGN DEPTH BASED ON SHALLOW TEST HOLE DEPTH & LEDGE DEPTHS.

Plan Reference

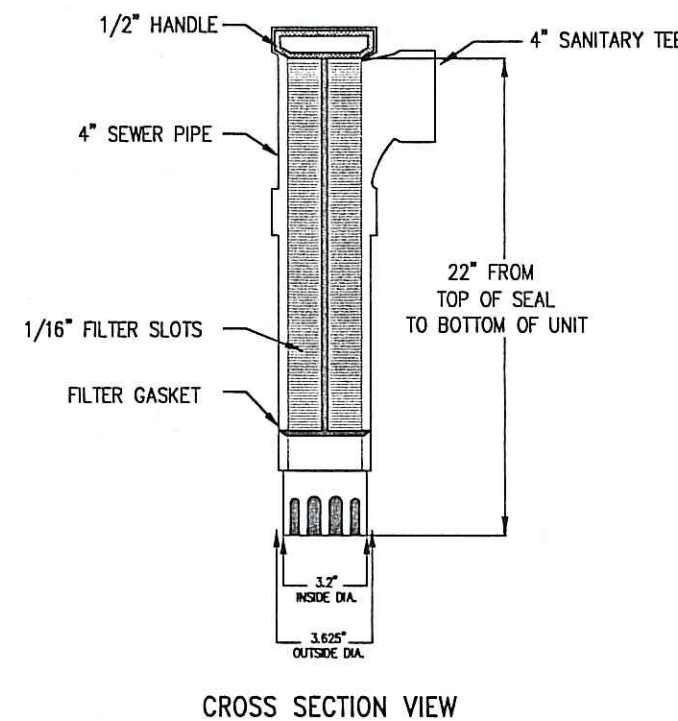
PLAN WAS DEVELOPED FROM A PLAN ENTITLED, "PRELIMINARY PLAN SUBMISSION, LAUREL WOODS, MAJOR SUBDIVISION, ASSESSORS PLAT 50, LOT 43, LOG ROAD SMITHFIELD, RI, PREPARED FOR CASTLE POINT, LLC, PREPARED BY THALMANN ENGINEERING, CO., INC., DATED 11/29/05, LAST REVISED MAY-05."

Dimensional Regs

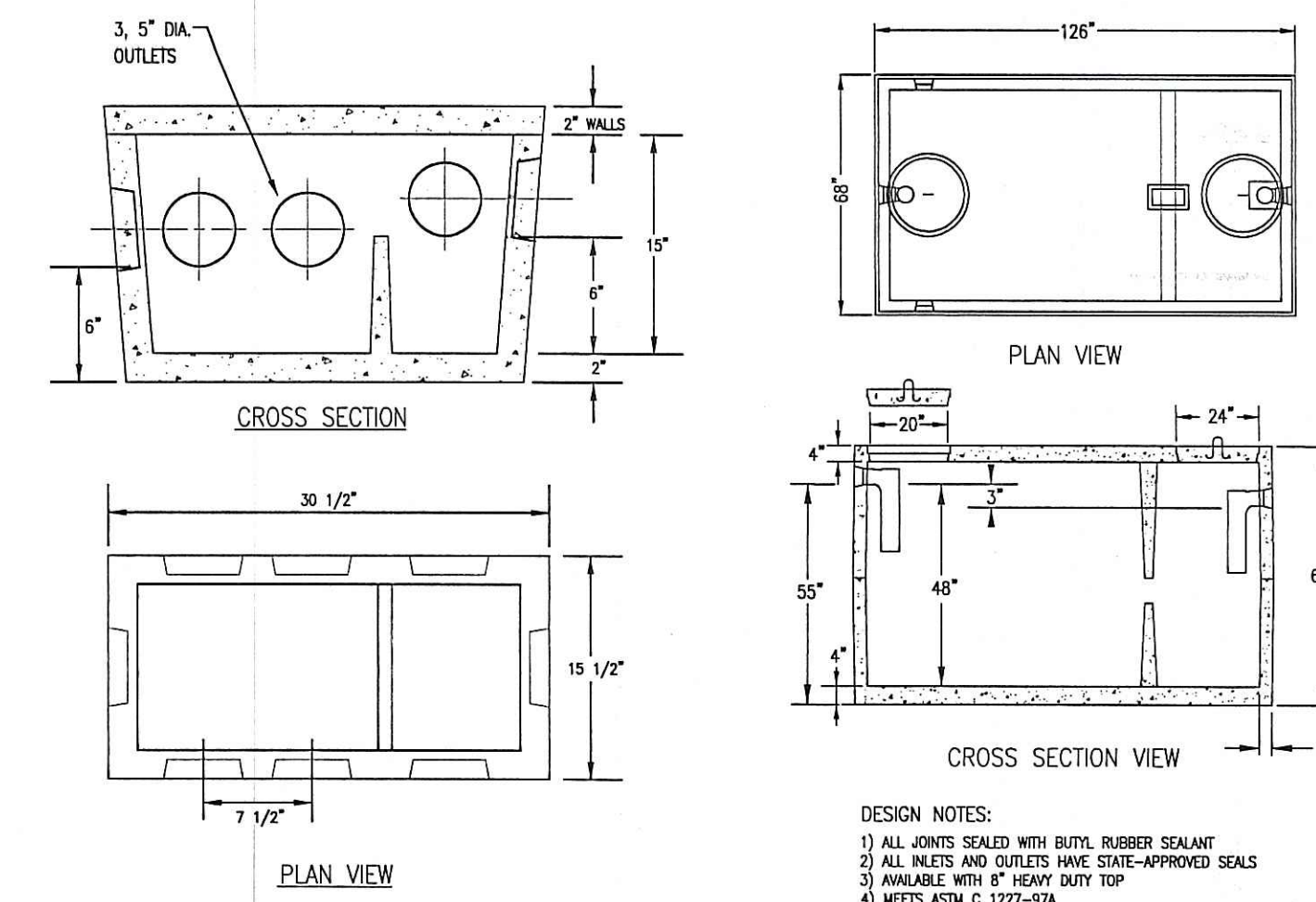
Zoning	R-80
PARCEL LOT AREA	80,000 FT ²
LOT FRONTAGE AND WIDTH	200 FT.
FRONT YARD SETBACK	40 FT.
SIDE YARD SETBACK	25 FT.
REAR YARD SETBACK	75 FT.

General Notes

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3. CONTRACTOR TO CONTACT DIG-SAFE PRIOR TO START OF CONSTRUCTION.



Zabel A1800 Filter
N.T.S.



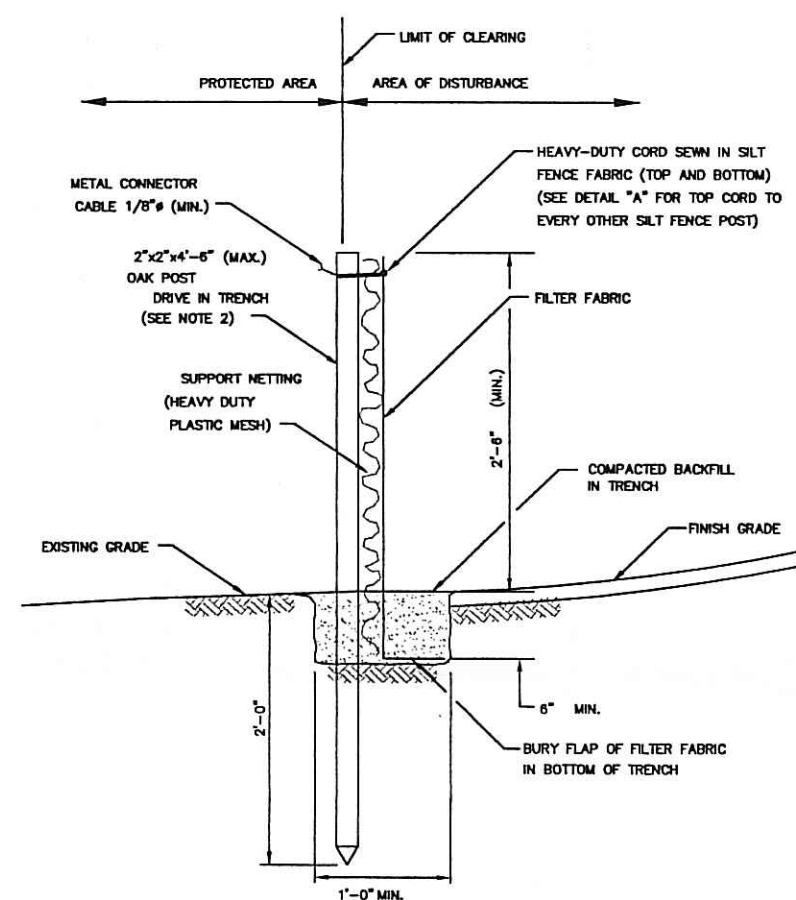
Precast Distribution Box
DB-5 W/ BAFFLE HS-20 LOAD
N.T.S.

1500 Gallon Two-Compartment Septic Tank
N.T.S.

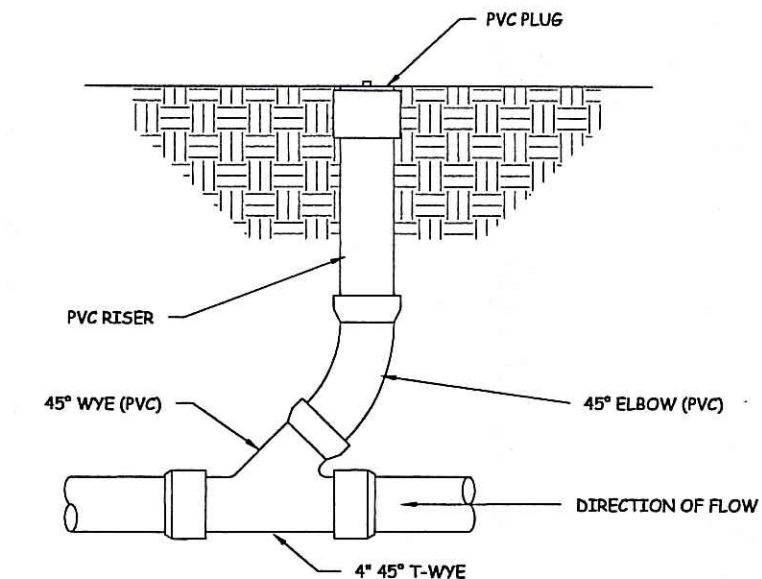
- DESIGN NOTES:
1) ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT
2) ALL INLETS AND OUTLETS HAVE STATE-APPROVED SEALS
3) AVAILABLE WITH 8" HEAVY DUTY TOP
4) MEETS ASTM C 1227-05A
5) CONCRETE STRENGTH 5000 PSI MIN. 28 DAYS

Legend

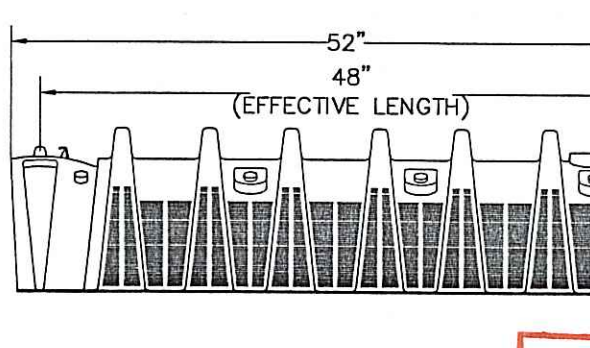
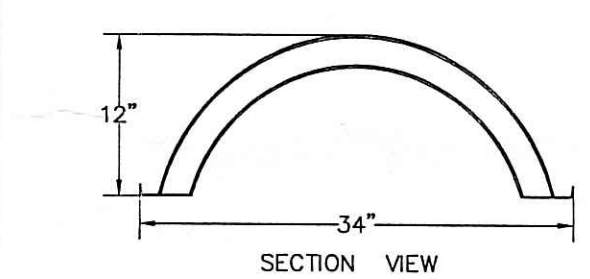
- - - 414 EXISTING CONTOUR
- - - N/F NOW OR FORMERLY
- - - BUILDING SETBACK
- - - UTILITY POLE
- TEST HOLE
- - - PROPOSED WATER SERVICE
- - - PROPOSED CONTOUR
- SILT FENCE



Silt Fence Detail
N.T.S.

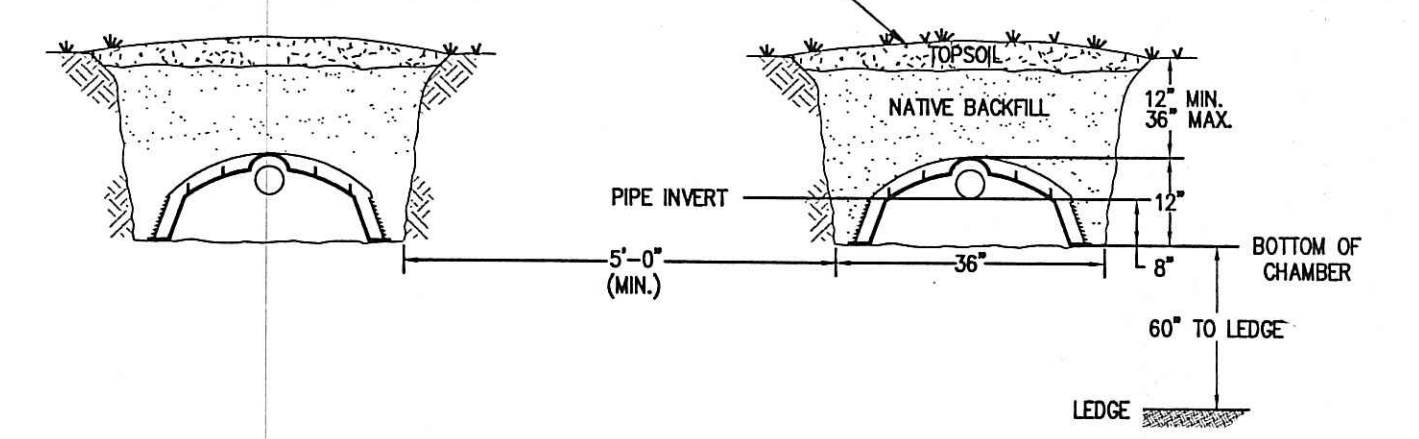


Cleanout Detail
N.T.S.

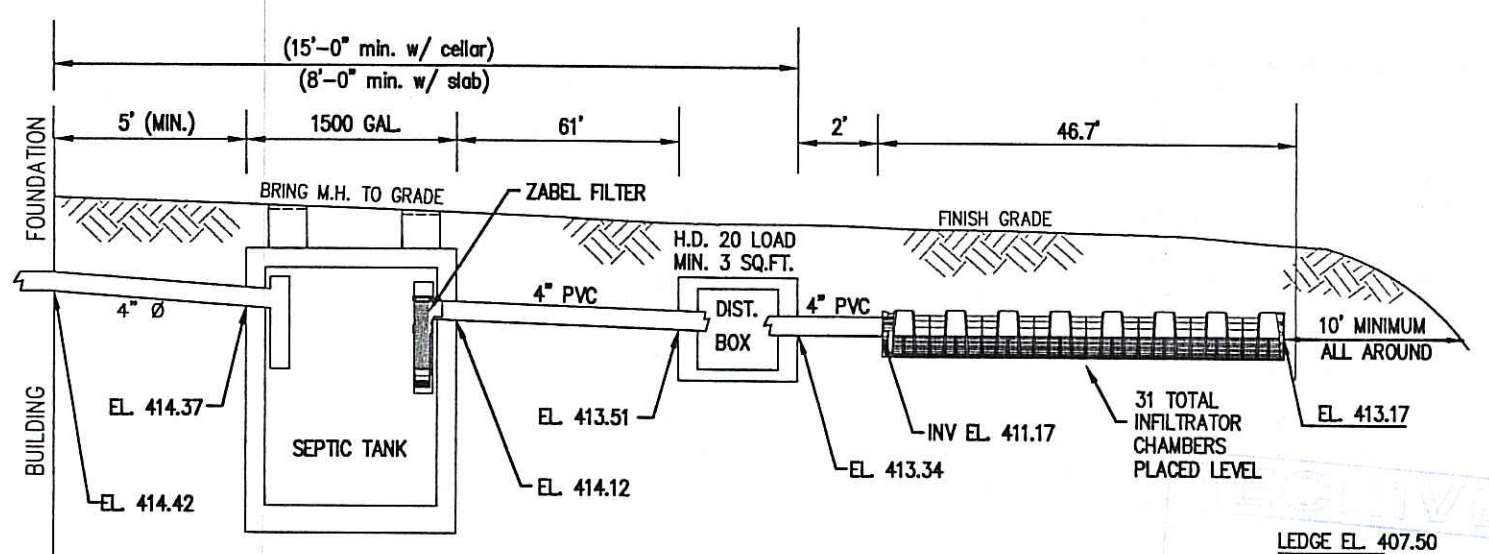


Quick 4 Standard Infiltrator Chamber
N.T.S.

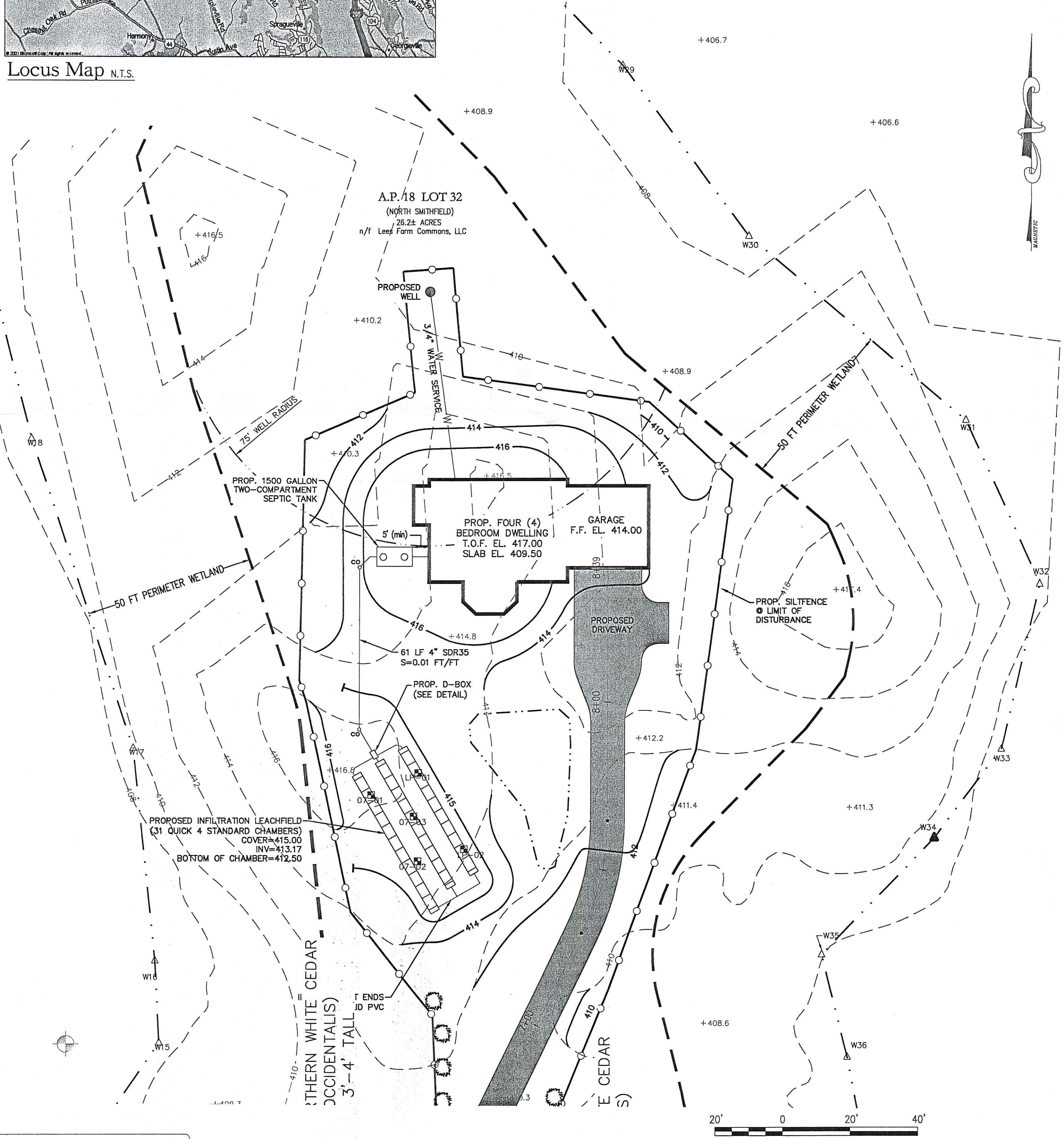
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO. 08-0199
DATED SEP 18 2008
SEE LETTER OF SAME DATE.



Infiltrator Quick 4 Trench Detail
N.T.S.



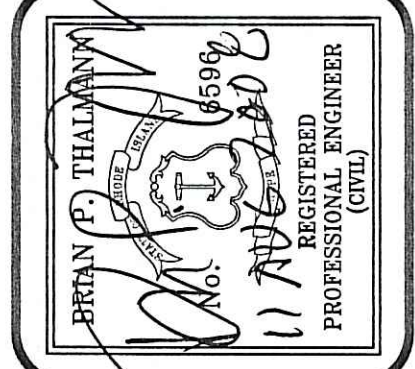
ISDS Elevation View
N.T.S.



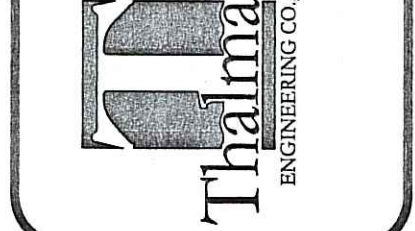
Barscale 1"=20'

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BY	
REVISION	
DATE	
NO.	



Thalman Engineering Co., Inc.
Site/Civil Engineers • Land Planners
600 Putnam Pike, Suite #7
Greenville, Rhode Island 02828
(401) 349-3040 • (401) 349-3041 (fax)



Site Plan & Construction Details
Proposed Single-family Dwelling
Rhode Island
Laurel Woods Drive
Smithfield
Prepared for:
Lees Farm Commons, LLC.
90 Orchard Meadows Drive Smithfield, RI 02917
date: Feb.-08 scale: As Noted

Design By: JEA
Checked By: BPT
Sheet
2
of 2
FILE NO.: 02.044