

PROPOSED ONSITE WASTEWATER TREATMENT DESIGN & WETLANDS PLAN for  
**DAVID JARRY**  
 HARKNESS ROAD  
 NORTH SMITHFIELD, RHODE ISLAND  
 JUNE, 2009 SCALE 1"= 40'

REVISED: 8/10/09, 8/28/09 AT&T, 10/18/09 DRIVEWAY

ASSESSORS PLAT 2, PART OF LOT 15, SUBLT 2

BENCH MARK: NAIL IN TREE, ELEV: 93.40

LEACHING SYSTEM BY:

MARC N. NYBERG ASSOCIATES, INC.

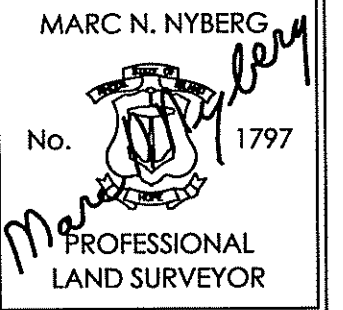
LAND SURVEYORS and PLANNERS

501 GREAT ROAD, UNIT 104

NORTH SMITHFIELD, RHODE ISLAND 02896

TEL: (401) 762-2870

FAX: (401) 762-2871



THIS SURVEY AND PLAN CONFORM TO CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

*Marc Nyberg*  
 REG. PROFESSIONAL LAND SURVEYOR

GENERAL NOTES

- 1) LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIDEM REGULATION 32.9 FOR ONSITE WASTEWATER TREATMENT SYSTEMS. A 6 INCH GRAVEL BASE TO BE SET BELOW EACH TRENCH IN ACCORDANCE WITH REGULATION 32.12. TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. THE LEACHFIELD AND 5 FEET BEYOND THE LEACHFIELD SHALL BE STRIPPED OF ALL TOPSOIL (A HORIZONS). IN ORDER TO AVOID COMPACTION OF THE B SOIL HORIZON, ONLY TRACKED VEHICLES SHALL BE ALLOWED WITHIN THIS AREA.
- 2) USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM.
- 3) NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
- 4) NO LEACHING SYSTEM EXISTS WITHIN 100' OF THE PROPOSED WELL.
- 5) NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF ISDS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE ISDS UNLESS SHOWN.
- 6) BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX MANHOLE TO WITHIN 12" OF GRADE
- 7) SEPTIC TANK TO BE A MINIMUM OF 75' FROM ALL WELLS.
- 8) ENDS OF LINES IN TRENCH TO BE INTERCONNECTED.
- 9) D-BOX TO HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET AND MEET H-20 WHEEL LOADS WITH MARKER SET TO GRADE.
- 10) SANITARY TEES TO BE INSTALLED IN SEPTIC TANK.
- 11) NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UPGRADIENT OR 50' DOWNGRADIENT OR SIDE GRADIENT OF THE PROPOSED LEACHING SYSTEM.
- 12) 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV.: 94.58.
- 13) COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
- 14) SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
- 15) WASHING MACHINE LINT FILTER IS STRONGLY RECOMMENDED TO PREVENT PREMATURE FAILURE OF ELJEN SYSTEM.
- 16) ZABEL EFFLUENT FILTER TO BE INSTALLED AT SEPTIC TANK OUTLET.

TEST HOLE DATA

DATE: 6/8/09

TH1  
 0"-6" A, SL, 10YR 2/2  
 6"-24" Bw, G, SL, 10YR 4/4  
 24"-96" C, CB, G, SL, 5YR 5/2  
 NO LEDGE AT 96"  
 ESHWT: 24"

TH2  
 0"-6" A, SL, 10YR 2/2  
 6"-16" Bw, G, SL, 10YR 4/4  
 16"-30" Bc, SL, 10YR 5/4  
 30"-96" C, CB, G, SL, 5YR 5/2  
 NO LEDGE AT 96"  
 ESHWT: 24"

DESIGN DATA

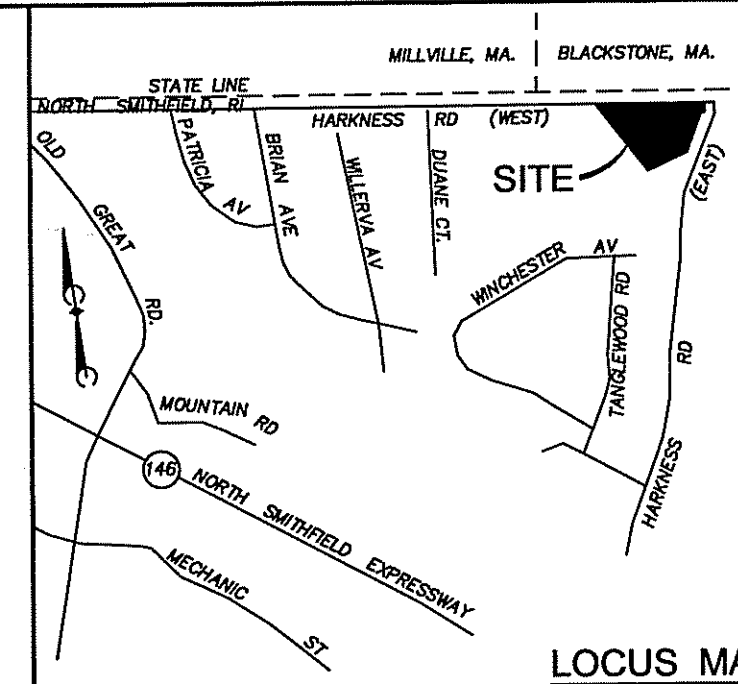
SOIL CATEGORY: 4  
 DESIGN LOADING RATE: 0.61  
 FIELD SIZE: ELJENS, TWO LINES  
 21 TOTAL ELJEN UNITS  
 588 SQUARE FEET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM

REVIEWED SITE PLAN APPLICATION NO.: 08-023

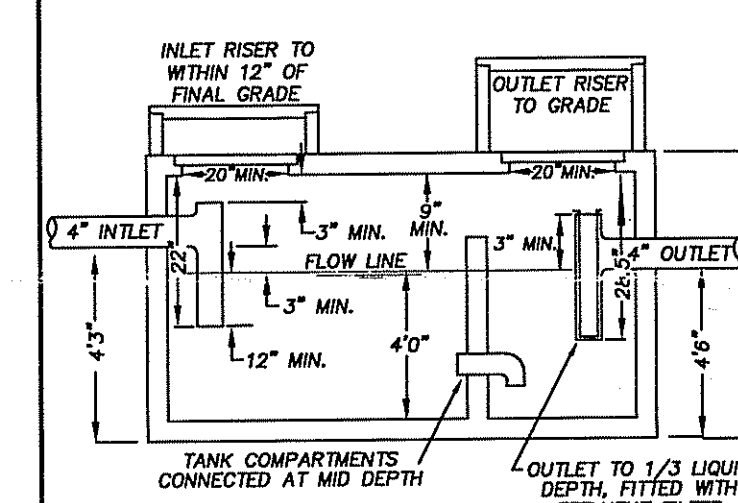
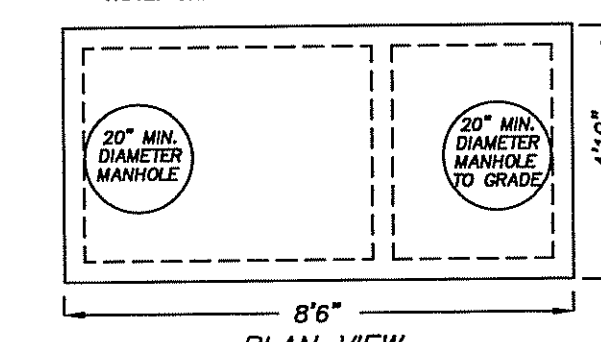
DATED OCT 28 2009

SEE LETTER OF SAME DATE. *M. Nyberg*

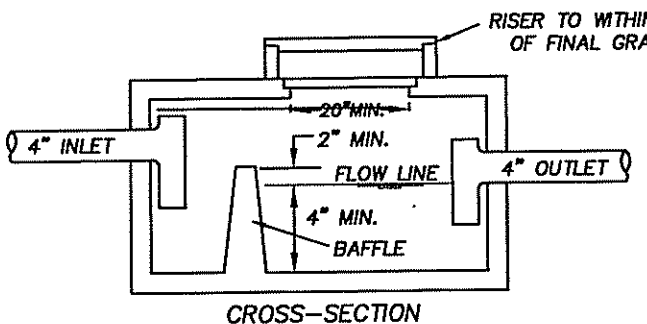
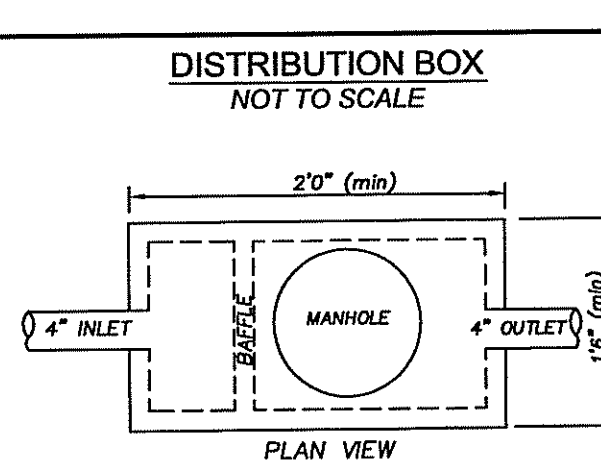


1,000 GALLON TWO COMPARTMENT SEPTIC TANK  
 NOT TO SCALE

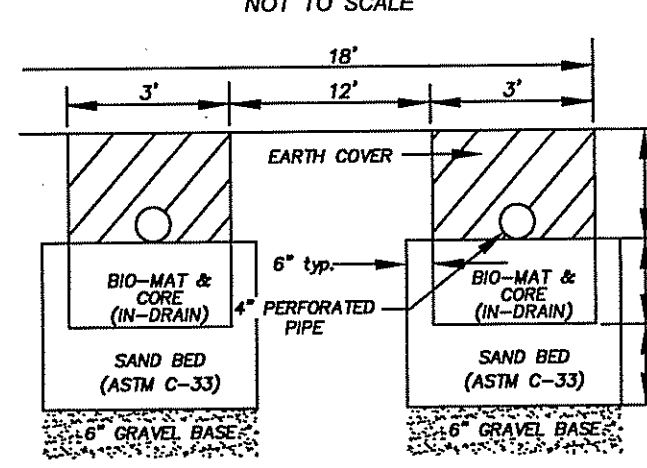
NOTE: GRADE TO DIVERT SURFACE RUNOFF.



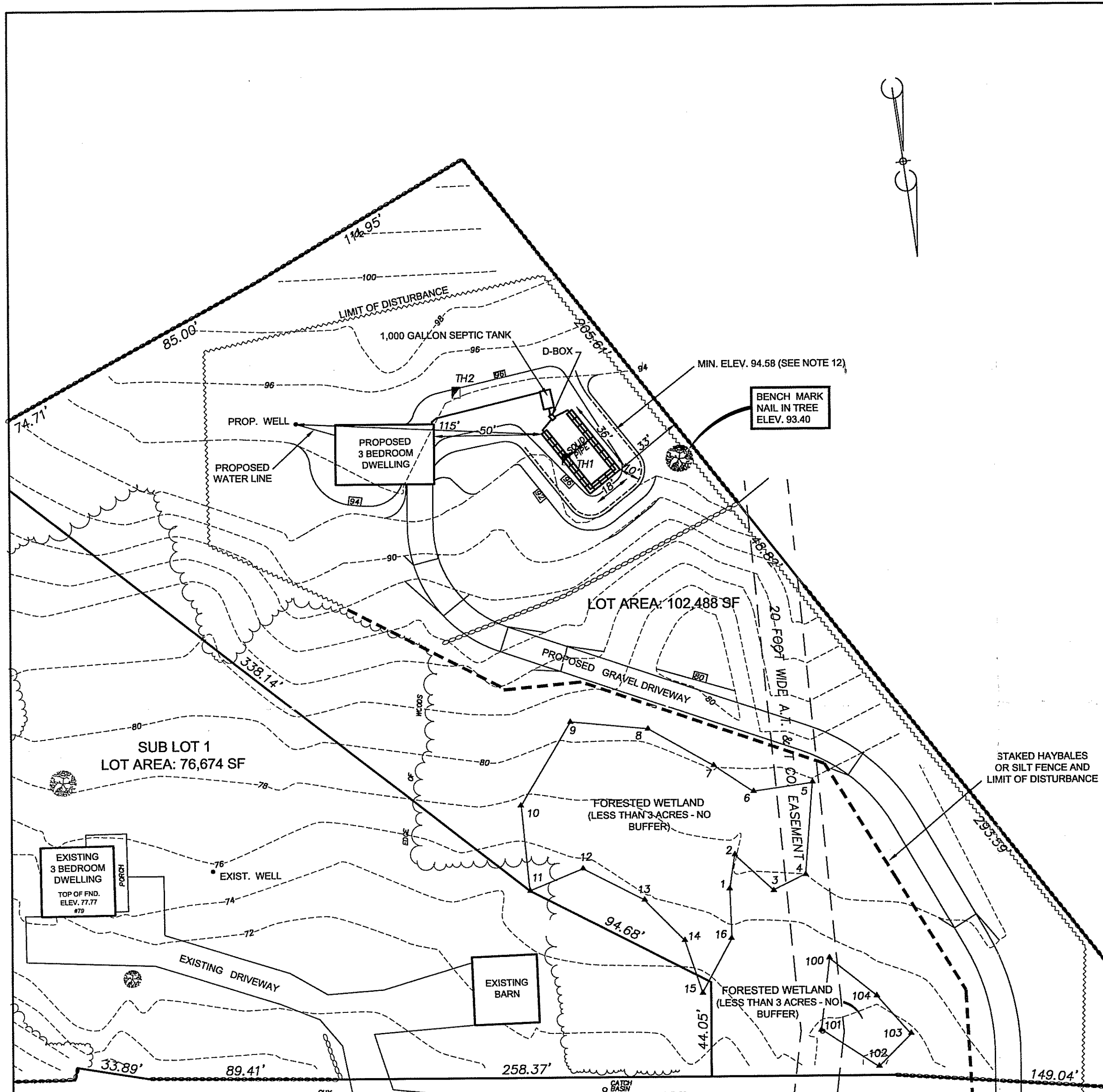
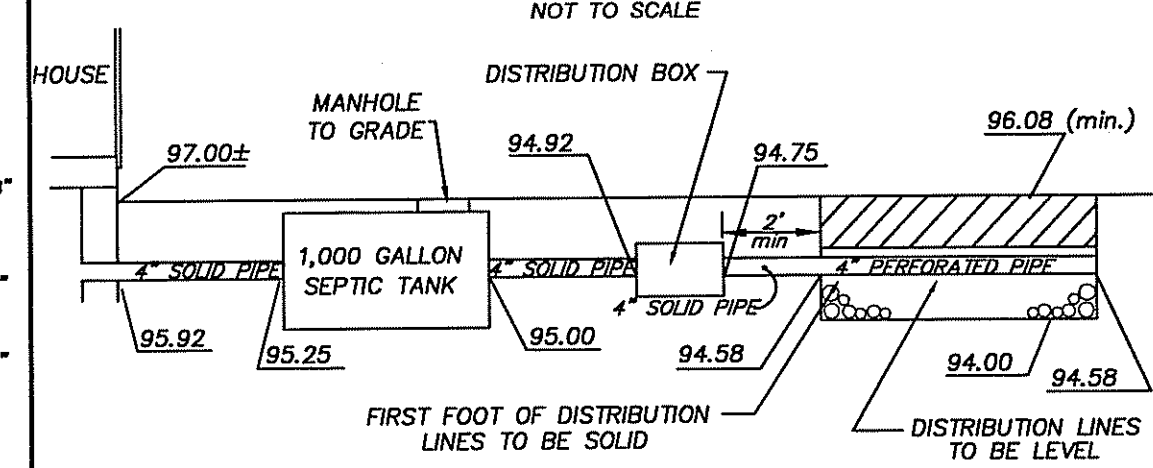
DISTRIBUTION BOX  
 NOT TO SCALE



LEACHING SYSTEM CROSS-SECTION  
 NOT TO SCALE



SYSTEM PROFILE  
 NOT TO SCALE



HARKNESS ROAD (WEST)

1,100' TO DUANE COURT