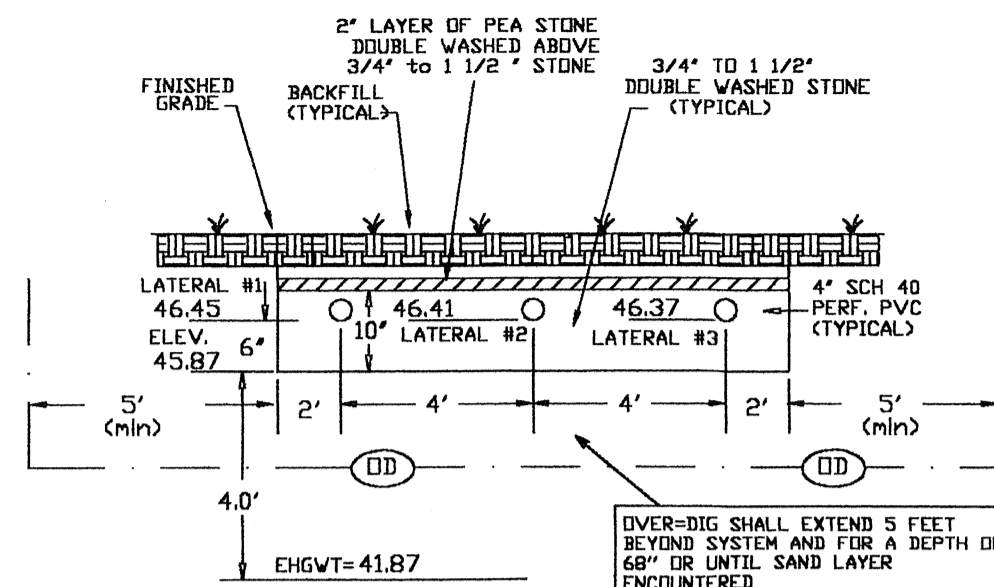


PROFILE OF SYSTEM  
NOT TO SCALE



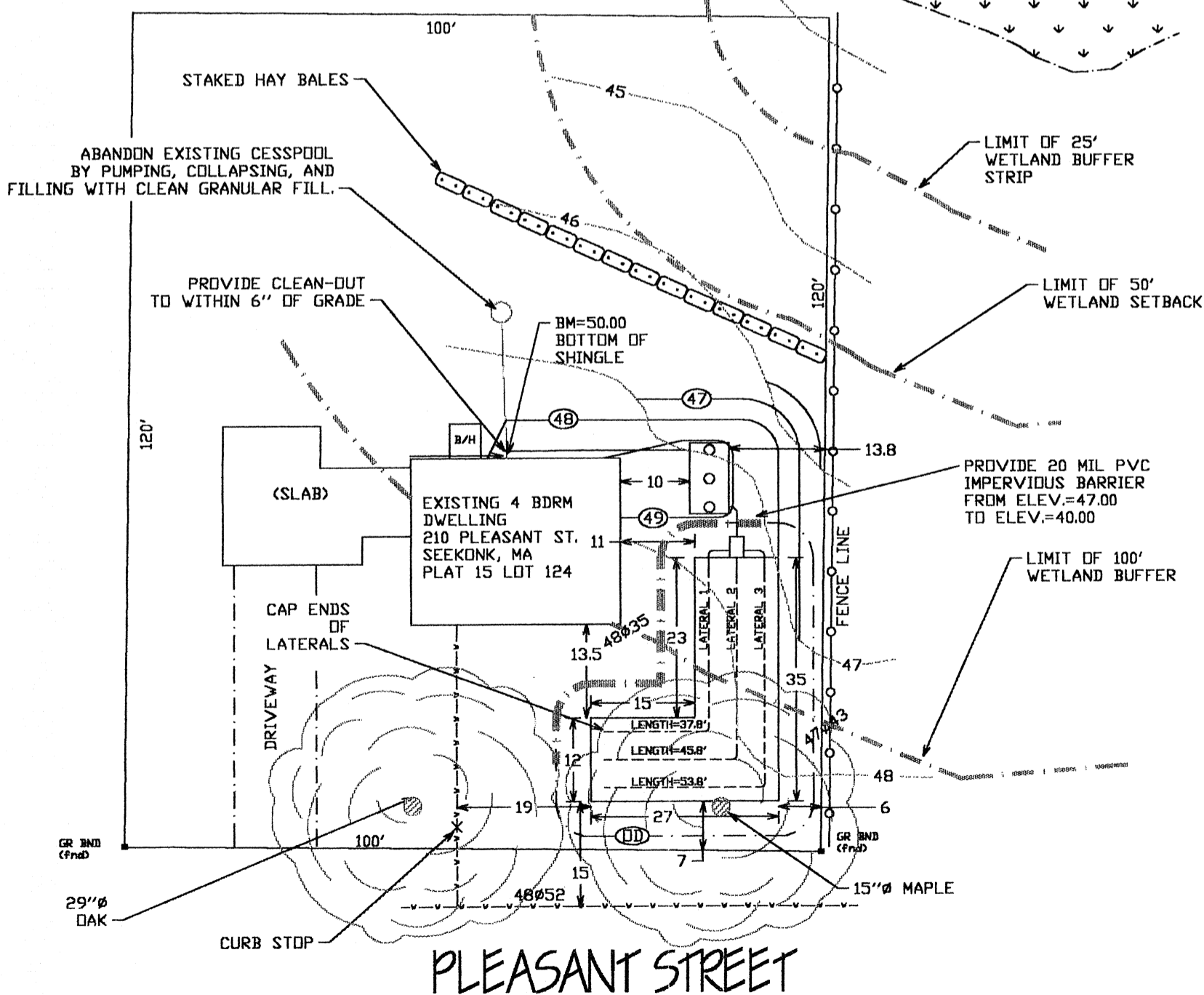
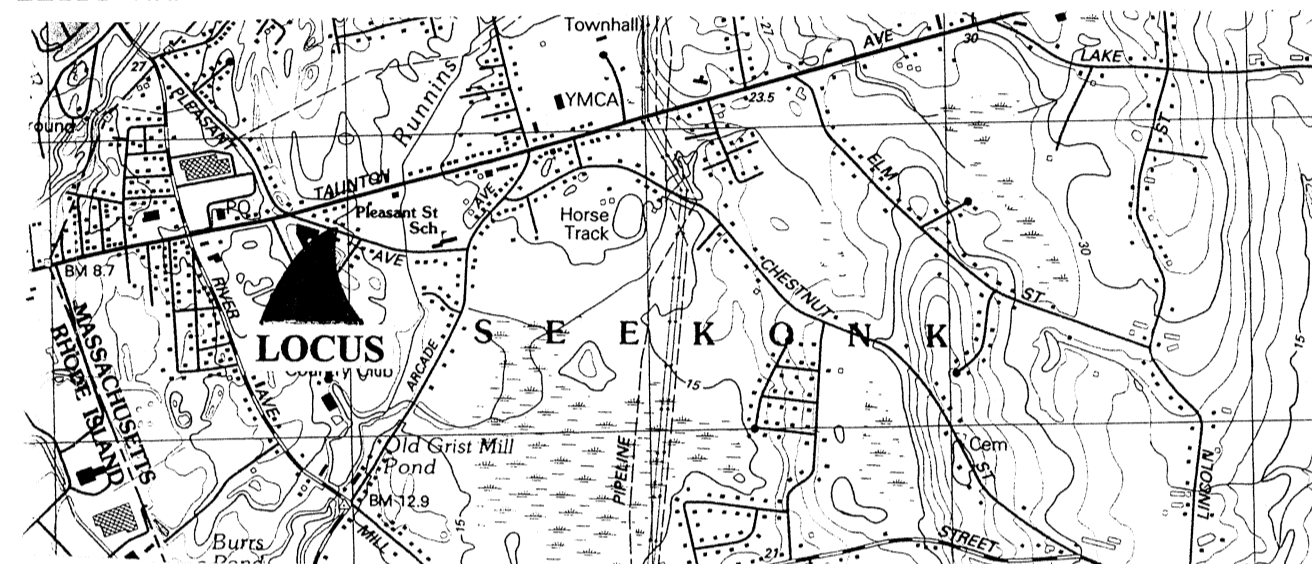
END SECTION THROUGH LEACH FIELD  
NOT TO SCALE

- GENERAL NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE TITLES OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
  2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM AND DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
  3. THE PROPOSED SYSTEM SHOWN HEREON IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL SAID USE IS NOT ALLOWED.
  4. THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
  5. ALL BASE AGGREGATE FOR LEACHING STRUCTURES SHALL CONSIST OF DOUBLE WASHED STONE FREE FROM IRON, FINES, AND DUST IN PLACE.
  6. TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED.
  7. NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE SEPTIC SYSTEM AREA.
  8. BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION CALL "DIG SAFE" AT 1-888-344-7233 TO NOTIFY MEMBER UTILITIES.
  9. THE GRADE ABOVE AND ADJACENT TO THE LEACH FIELD SHALL BE SLOPED TO PREVENT THE ACCUMULATION OF SURFACE DRAINAGE (2% MINIMUM SLOPE).
  10. THE OVER-DIG AREA (DD) AS SHOWN HEREON SHALL BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE OVER-DIG AREA EXTENDS 5 FEET HORIZONTALLY AROUND THE PROPOSED SYSTEM AND TO THE DEPTH SPECIFIED IN THE REPLACEMENT MATERIAL SHALL MEET THE SPECIFICATIONS OF 310 CMR 15.255 OF THE STATE ENVIRONMENTAL CODE.
  11. EXISTING SEPTIC TANK SHALL BE ABANDONED BY PUMPING, COLLAPSING, AND FILLING WITH CLEAN GRANULAR FILL.
  12. ANY SOILS ASSOCIATED WITH EXISTING FAILING LEACHING FACILITIES SHALL BE REMOVED AND REPLACED WITH MATERIAL MEETING SPECIFICATIONS OF 310 CMR 15.255 OF THE STATE ENVIRONMENTAL CODE.
  13. THERE SHALL BE NO BACK FILLING PRIOR TO THE APPROVAL OF THE BOARD OF HEALTH INSPECTION AND BOARD OF HEALTH INSPECTION APPROVAL.
  14. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOAMED, AND SEEDDED.

CONSTRUCTION NOTE:  
DSD engineering & associates TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILT.

WETLAND REFERENCE:  
REQUEST FOR DETERMINATION OF APPLICABILITY DATED 9/4/98. APPLICANT WAS WILLIAM SOPER

LOCUS MAP



VARIANCE REQUEST:

1. 310 CMR 15.404 (2) (b) "A MINIMUM OF FIVE FEET OF SEPARATION BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION SHALL BE PROVIDED, USING FILL IF NECESSARY. THE LOCAL APPROVING AUTHORITY MAY ALLOW A FOUR FOOT SEPARATION ONLY IN FULL COMPLIANCE WITH 310 CMR 15.405 (1)(d)."

WE ARE REQUESTING A VARIANCE FROM TITLE 5 OF THE STATE SANITARY CODE TO REDUCE THE MINIMUM GROUNDWATER SEPARATION FROM 5 FEET TO 4 FEET AS PER 310 CMR 15.404, APPROVALS FOR UPGRADES TO MAXIMUM FEASIBLE COMPLIANCE.

2. 310 CMR 15.211 (1) MINIMUM SETBACK DISTANCES "ALL SYSTEMS MUST CONFORM TO THE MINIMUM SETBACK DISTANCE FOR SEPTIC TANKS AND SOIL ABSORPTION SYSTEMS"

WE ARE REQUESTING A VARIANCE TO REDUCE THE SAS SETBACK TO THE SIDE PROPERTY LINE FROM 10 FEET TO 6 FEET, FROM THE FRONT PROPERTY LINE FROM 10 FEET TO 6 FEET, AND TO REDUCE THE SAS SETBACK TO THE HOUSE FOUNDATION FROM 20 FEET TO 11 FEET.

DESIGN CALCULATIONS

FLOW: SIZE FOR 4 BEDROOMS

(4BDRM)(110gpd/BDRM) = 440 GPD 880 PEAK

SEPTIC TANK:

NEW 1500 GAL. TANK > 880

LEACHING FIELD:

RATE = (1.74) sf/gpd FOR PERC = <2mpd  
MINIMUM SIZE: (330GPD)(1.74)sf/GPD) = 446 sf  
USF: (27'x35') - (15'x23') = 600 sf

LEGEND

- EXISTING CONTOUR
- EXISTING SPOT GRADE
- TEST PIT TP#1
- PROPOSED CONTOUR
- DISTRIBUTION BOX
- WATER SERVICE
- SEPTIC TANK
- WETLAND LINE
- OVER-DIG
- LIMIT OF RESOURCE AREA
- PVC BARRIER

REVISIONS

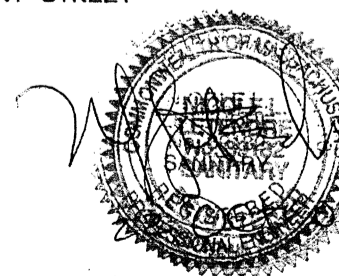
DATE DESCRIPTION

SEWAGE DISPOSAL SYSTEM

LOT NUMBER: 124 AREA OF LOT: 12,000sf  
LOT ADDRESS: 210 PLEASANT STREET  
IN  
SEEKONK, MA  
PREPARED FOR:  
WARREN LEACH  
210 PLEASANT STREET  
SEEKONK, MA 02771

SCALE: AS SHOWN  
DATE: 10/15/01

DESIGNED BY: DRM  
JOB NO: 01-145  
FILE: 210PLEASANT.dwg



DSD engineering & associates  
CIVIL ENGINEERS  
45 ASTRAL AVENUE  
SEEKONK, MA 02771  
RECEIVED  
(401) 438-6216

OCT 25 2001

Con. Comm.

NOTE: THIS PLAN DOES NOT REPRESENT A PROPERTY BOUND SURVEY.