

LOCATION MAP

DESIGN DATA
 4 BEDROOMS x 110 GAL./BR. x 1.5 = 660 GAL./DAY
 NO GARBAGE DISPOSAL
 DESIGN PERC. RATE 6 M.P.I.

DESIGN BASE ON 3' WIDE TRENCHES ^M/₁₂ STONE BELOW INVERT

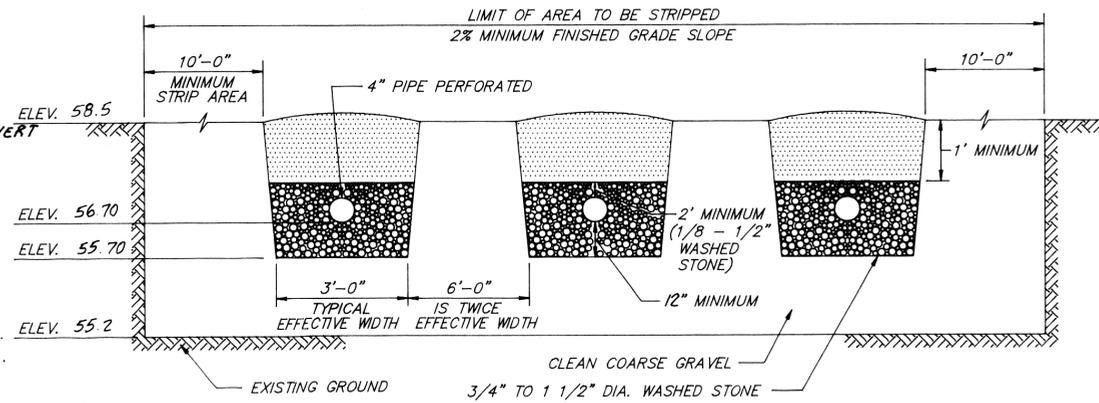
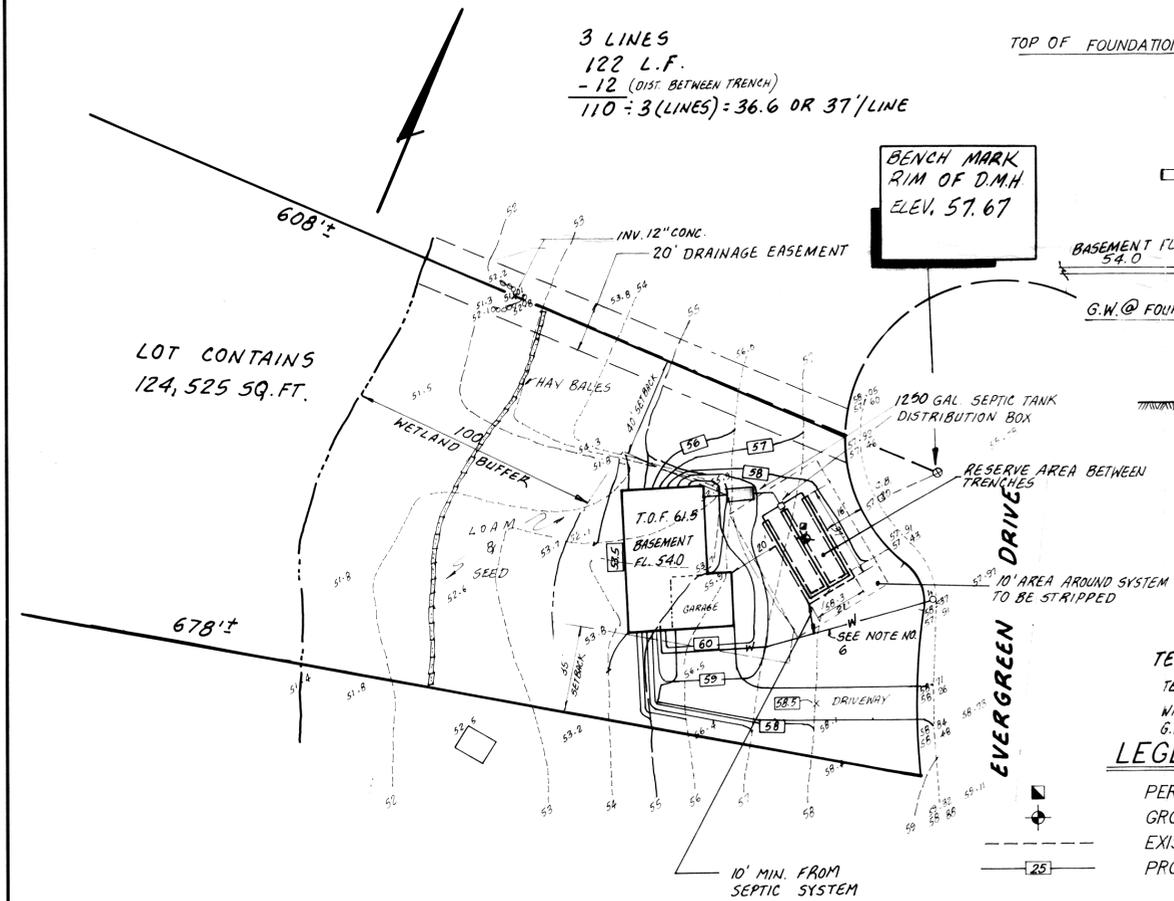
BOTTOM AREA OF TRENCH 0.71 GAL./SQ.FT. x 3 = 2.13
 SIDE " " " 1.66 " " " x 2 = 3.32
 5.45

660 ÷ 5.45 = 121.1 OR 122 L.F. OF TRENCH REQUIRED

BOTTOM 122 x 3 SQ.FT. = 366 SQ.FT. x 0.71 = 259.9 GAL.
 SIDE 122 x 2 " " = 244 " " " x 1.66 = 405.0 GAL.
 610 TOTAL SQ.FT.

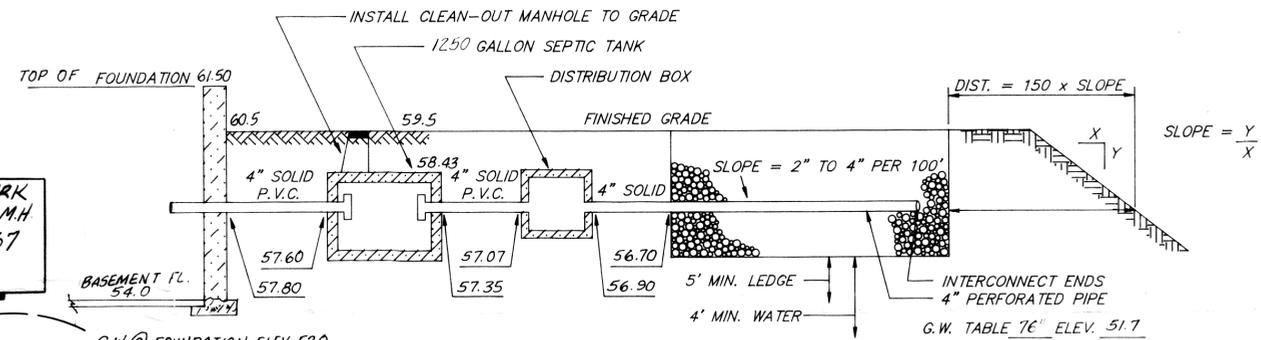
CHECK
 BOTTOM $\frac{366}{1.4 \text{ SQ.FT./GAL.}} = 261.4$
 SIDE $\frac{244}{0.6 \text{ " " "}} = 406.6$
 668 GALS.

3 LINES
 122 L.F.
 - 12 (DIST. BETWEEN TRENCH)
 110 ÷ 3 (LINES) = 36.6 OR 37'/LINE



TYPICAL TRENCH CROSS SECTION

NOT TO SCALE



TYPICAL SYSTEM PROFILE

NOT TO SCALE

CONSTRUCTION NOTES:

1. ALL WORK SHALL COMFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE TITLE 5 RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWAGE SYSTEMS AS OF LATEST AMENDMENT.
2. THERE ARE NO KNOWN WELLS WITHIN 200' OF PROPOSED SEEPAGE FIELD; NO OTHER ISDS WERE FOUND WITHIN 100'; AND SUBDRAINS OR DRAINS WERE FOUND WITHIN 50' EXCEPT AS NOTED ON PLAN.
3. CLEAR AND REMOVE ALL BRUSH AND TREES TO A TEN (10') FOOT PERIMETER OF SEEPAGE FIELD.
4. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND DIMEINIONS PRIOR TO STARTING WORK. HE SHALL NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE PLANS IN WRITING TEN (10) DAYS BEFORE BEGINING WORK.
5. STRIP ALL FILL TO A 10' PERIMETER AROUND SYSTEM AND BACKFILL WITH CLEAN BANK RUN GRAVEL TO A DEPTH OF 5'-0".
6. MINIMUM DISTANCE FROM EDGE OF SEEPAGE FIELD TO PRESSURE WATER LINE = 10' AND 100' FOR SUCTION LINE.
7. CARE SHALL BE TAKEN TO ASSURE THAT THE SOIL AT THE BOTTOM OF THE EXCAVATION IS NOT COMPACTED OR SMEARED.
8. SUB-SURFACE DRAINS, FOUNDATION DRAINS AND STORM DRAINS SHALL BE 25' MINIMUM FROM SEPTIC TANK, 50' FROM SEEPAGE FIELD.
9. WATER LINE TO BE CLASS 150 MIN. PRESSURE LINE.
10. ALL 4" SOLID PVC PIPE TO BE SCHEDULE 40.

LEGEND

- PERCOLATION TEST
- GROUND WATER TEST PIT
- EXISTING CONTOUR
- PROPOSED CONTOUR



MWH CIVIL ENGINEERS
 LAND SURVEYORS
 LAND PLANNERS
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PROPOSED SEWAGE DISPOSAL SYSTEM		THOMAS CAVANAGH	
LOT 5 ON 'EVERGREEN ESTATES' SEEKONK MA.		SCALE: 1" = 40'	BRAWN BY: C.E.B.
DATE: 4-12-91	APPROVED BY:	REVISED:	DRAWING NUMBER: