

DESIGN DATA
 4 BEDROOM x 110 GAL./BR. x 1.5 = 660 GAL./DAY
 NO GARBAGE DISPOSAL
 DESIGN PERC. RATE 2 M.P.I.

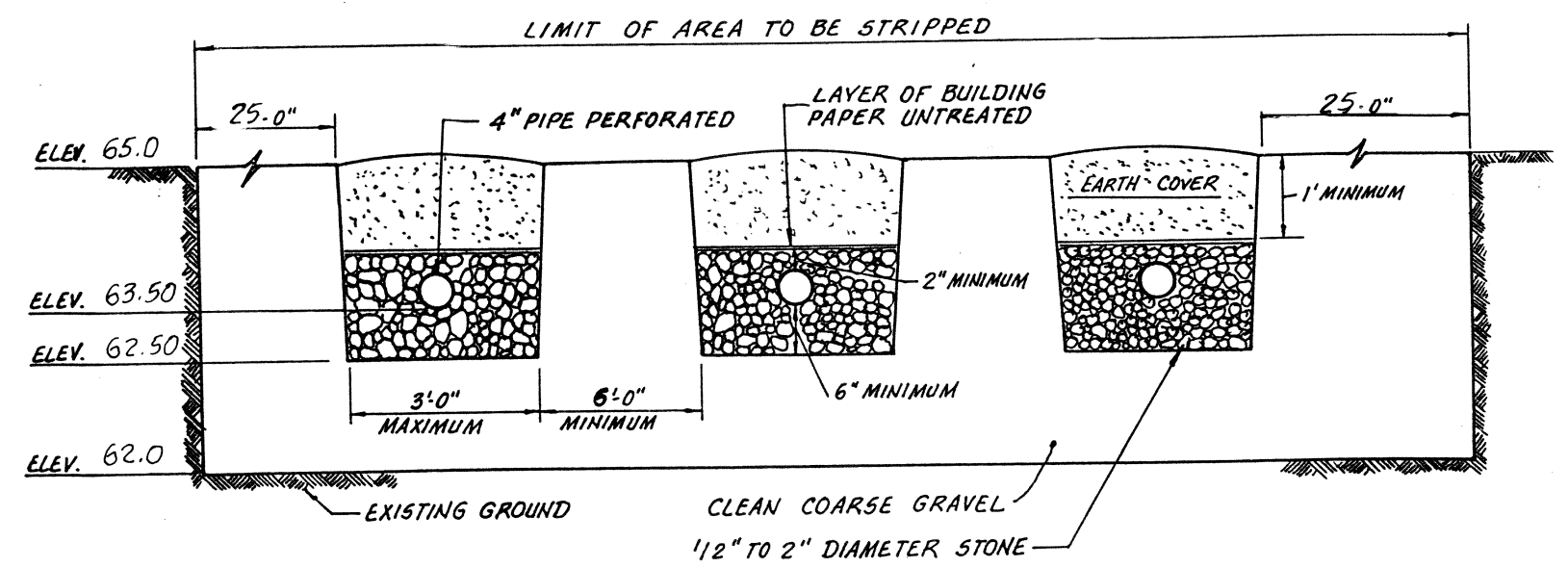
DESIGN BASE ON 3' WIDE TRENCHES W/1/2" STONE BELOW INVERT

BOTTOM AREA OF TRENCH 1.00 GAL/SQ. FT. x 3 = 3.00
 SIDEWALL AREA OF TRENCH 2.50 GAL/SQ. FT. x 2 = 5.00
 8.00

$\frac{660}{8.00} = 82.5$ L.F. OF TRENCH REQUIRED OR 83'

83
 - 6 (BETWEEN)
 77 ÷ 2 (TRENCHES) = 38.5 LONG OR 39' LONG EACH TRENCH = 84 L.F.

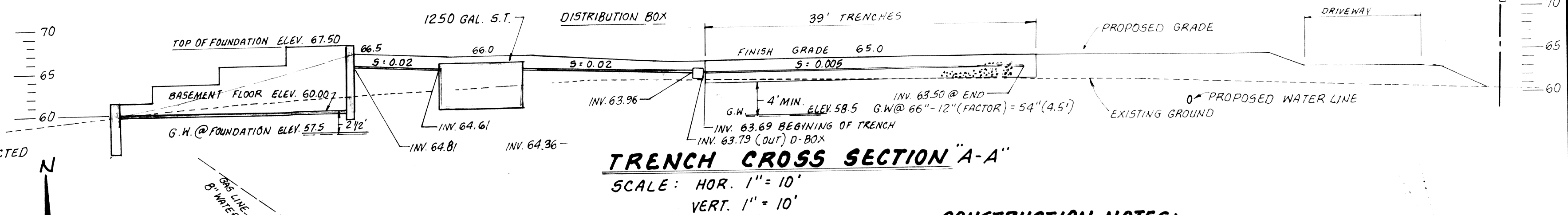
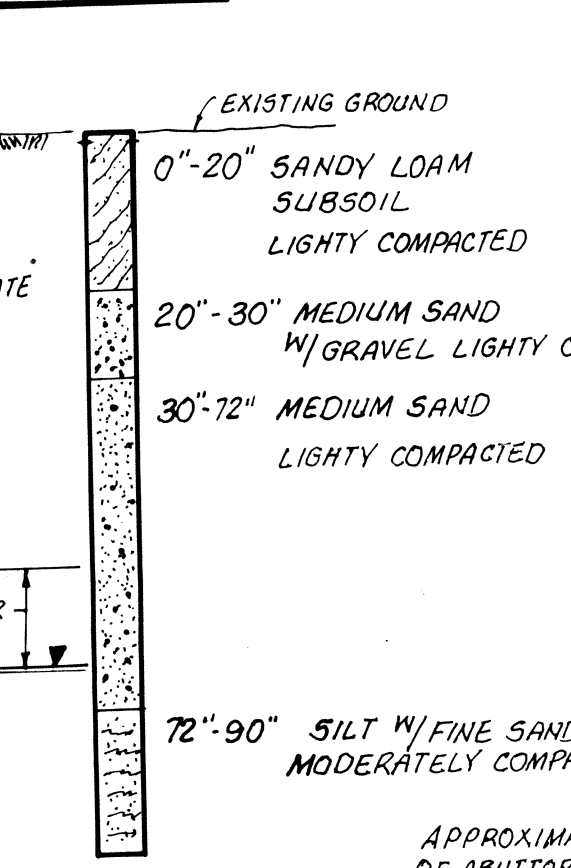
BOTTOM 84 x 3' = 252 SQ. FT. x 1.00 GAL/SQ. FT. = 252
 SIDE 84 x 2' = 164 " " x 2.50 GAL/SQ. FT. = 410
 662 GAL.



TYPICAL TRENCH CROSS SECTION
 NOT TO SCALE

CHECK
 BOTTOM 252 SQ. FT. = 252 GALS.
 1.0 SQ. FT./GAL.
 SIDE 164 SQ. FT. = 410 GALS.
 0.4 SQ. FT./GAL.
 662 GALS TOTAL CAPACITY

LOCATION MAP
 1/4 MILE



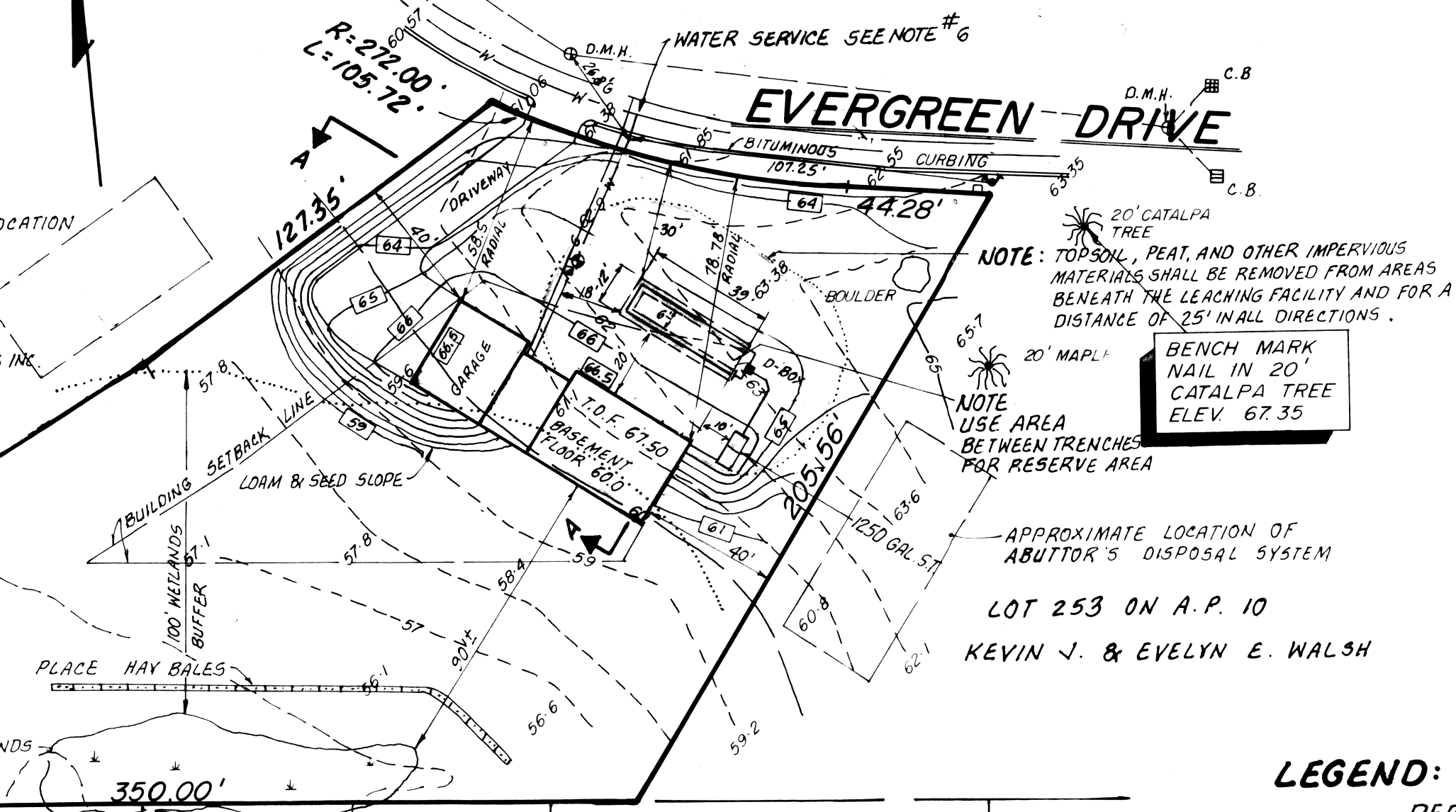
TRENCH CROSS SECTION "A-A"
 SCALE: HOR. 1" = 10'
 VERT. 1" = 10'

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 DISPOSAL SYSTEMS AS OF LATEST AMENDMENT.
2. THERE ARE NO KNOWN WELLS WITHIN 200' OF PROPOSED SEEPAGE FIELD; NO OTHER 150S WERE FOUND WITHIN 100'; AND NO SUBDRAINS OR DRAINS WERE FOUND WITHIN 50' EXCEPT AS NOTED ON PLAN.
3. CLEAR AND REMOVE ALL BRUSH AND TREES TO A TEN (25') FOOT PERIMETER OF SEEPAGE FIELD.
4. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND DIMENSIONS 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 25' 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 = 15' 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.

SOIL LOG
 WATER & PERCOLATION TEST
 M. BY MARK W. HUTCHINS & ASSOCIATES INC.
 MARCH 15, 1990
 BY HEALTH AGENT MANUEL MELLO

WATER READ ON 3/20/1990
 MANUEL MELLO
 254 ON A.P. 10
 KEVIN W. & FRANCINE CREAMER



- LEGEND:**
- PERCOLATION TEST
 - ⊕ GROUND WATER TEST PIT
 - - - EXISTING CONTOUR
 - — — PROPOSED CONTOUR

NOTE:
 ABUTTING SUBDIVISION HAS PUBLIC WATER, SEE NOTE 2.

LOT 1 ON A.P. 10 DENNIS J. ROSE
 LOT 260 ON A.P. 10 MICHAEL J. & BARBARA L. MUSCARELLA
 LOT 238 ON A.P. 10 CHARLES D. & NANCY M. KALIL



LOT 3 ON "EVERGREEN ESTATES"
PROPOSED SEWAGE DISPOSAL SYSTEM
ALFRED MENDES

LOT 2 ON A.P. 10
SEEKONK MA.

MARK W. HUTCHINS & ASSOCIATES, INC.
 200 METRO CENTER BLVD. WARWICK, R.I.

DATE: 3/21/90
 APPROVED BY: [Signature]

SCALE: 1" = 40'
 DRAWN BY: R.M.M.
 REVISED
 DRAWING NUMBER