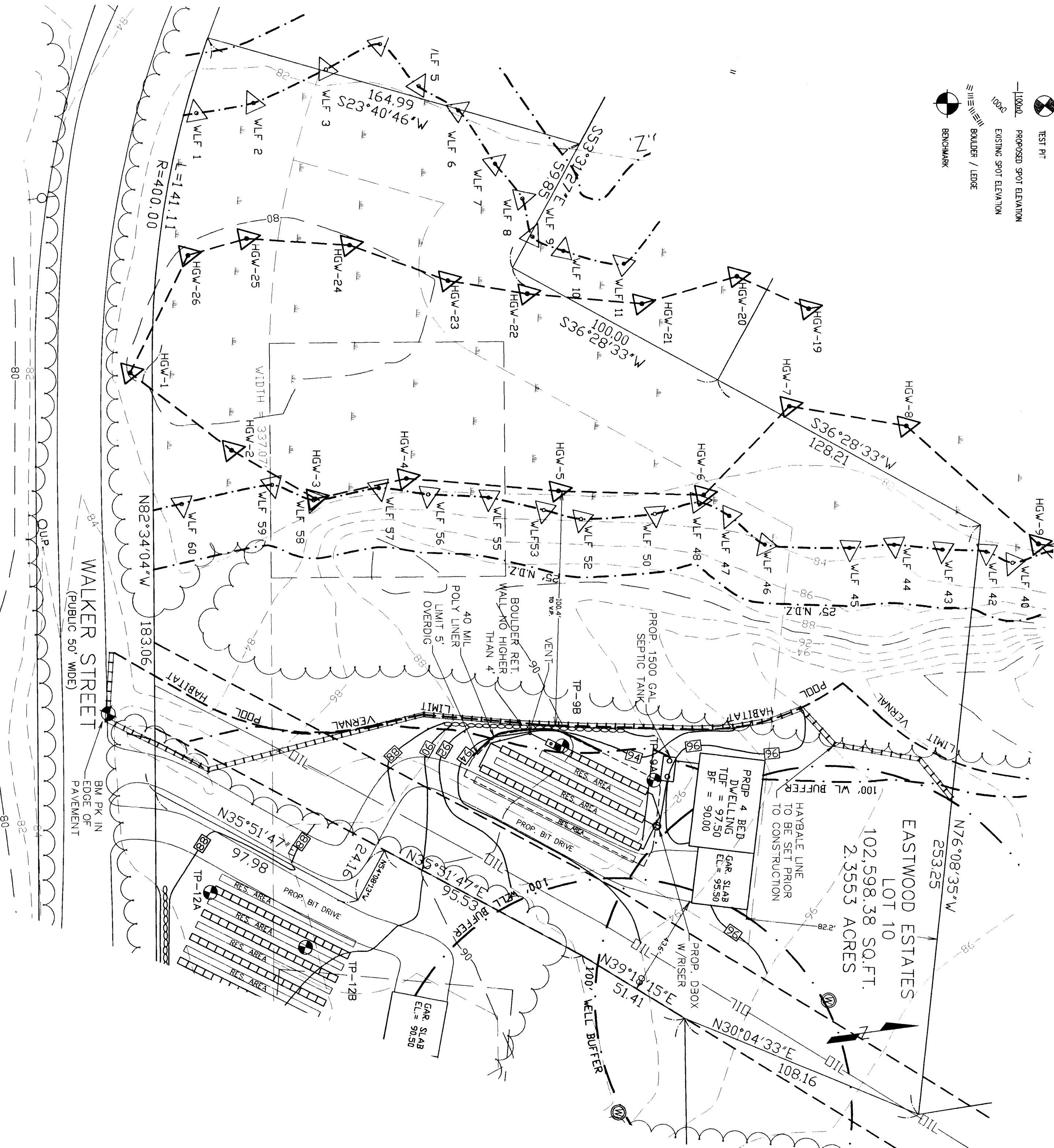


LEGEND

- EXIST. CONTOUR
- PROPOSED CONTOUR
- TEST PIT
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- 5/8" BOLLARD / LODGE
- BENCHMARK



PROPOSED 1500 GAL. SEPTIC TANK

DISTRIBUTION BOX

LEACHING TRENCH

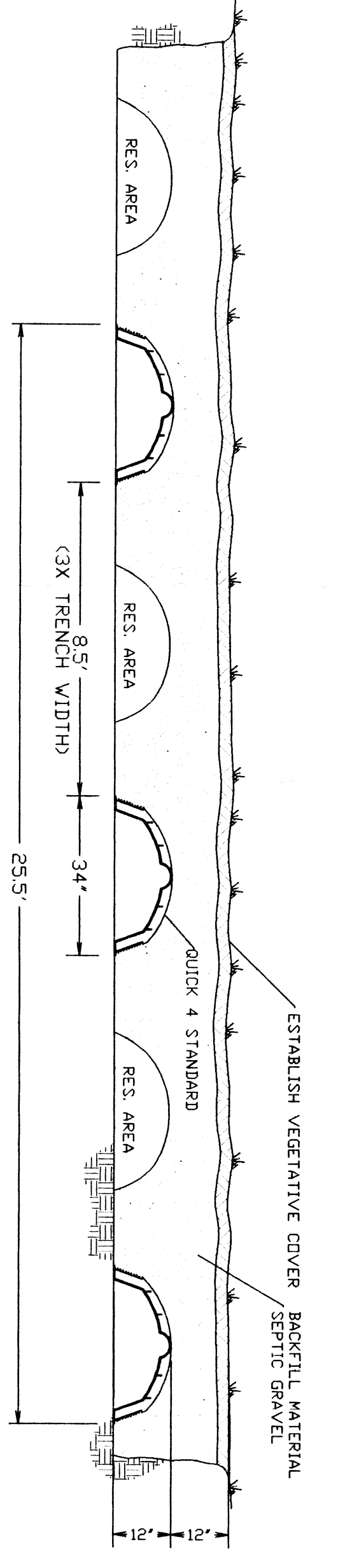
NOTES

1. ALL COMPONENTS WILL BE BY BENSON INDUSTRIES OR APPROVED EQUIV.
2. ALL PIPE WILL BE 4" SCH 40 PVC.
3. MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5, MASS. ENVIRONMENTAL CODE AND THE REQUIREMENTS OF THE LOCAL BOARD OF HEALTH.
4. ALL OF THE "A" AND "B" LAYERS SHALL BE REMOVED AS PER 310 OR 15.255 (G) FOR A DISTANCE OF 5' FROM ALL SIDES OF THE PROPOSED LEACHING SYSTEM AND FROM BENEATH THE LEACHING SYSTEM TO AN ELEVATION OF 89.8 OR UNTIL NATURALLY OCCURRING PERVIOUS MATERIAL IS REACHED AS PER 310 CMR 15.250 AND THE LOCAL BOH OFFICER. AFTER THE EXPLANATION IS COMPLETE, THE AREA WILL BE BACKFILLED TO THE DESIGN ELEVATION AS PER 310 CMR 15.253 (G) AND THE LOCAL BOH OFFICER.
5. ALL UTILITIES SHOWN ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION AND SHOULD BE VERIFIED BY THE CONTRACTOR FOR THE EXACT ELEVATION AND LOCATION PRIOR TO CONSTRUCTION OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
6. THIS PLAN IS DESIGNED TO MAXIMUM FEASIBLE COMPLIANCE AS PER CMR 310 15.404 AND 15.406.
7. ANY CHANGES OR VARIATIONS FROM THIS PLAN MUST BE APPROVED, IN WRITING, PRIOR TO CONSTRUCTION BY BOTH MILLER ENGINEERING AND THE LOCAL BOH.

NOTES

8. WETLANDS LOCATED WITHIN 150' OF THIS SITE ARE INDICATED ON THE PLAN. THIS PROJECT DOES NOT LIE WITHIN 100' SETBACK OF THE WETLAND RESOURCE AREA.
9. THIS SITE IS NOT LOCATED WITHIN THE FLOOD ZONE SHOWN ON THE LATEST FEMA FIRM MAP.
10. THIS PLAN MEETS THE REQUIREMENTS OF 310 CMR 15.000 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
11. ALL SEPTIC SYSTEM COMPONENTS TO BE MARKED WITH MAGNETIC TAPE OF OTHER COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
12. SEPTIC TANK COMPONENTS TO BE MADE WATER-TIGHT BY MANUFACTURER SPECIFICATION OR BY OTHER MEANS.
13. TANKS, COVERS, CONNECTIONS, AND PIPING SHALL BE CONSTRUCTED USING AASHTO-H-10 LOADING CAPABLE COMPONENTS.
14. IF THE DISTRIBUTION BOX IS INSTALLED GREATER THAN 9' BELOW GRADE IT SHALL BE EQUIPPED WITH A RISER TO GRADE.
15. ONE INSPECTION PORT OF 4" PVC PIPE IS TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
16. INSTALLER TO BE CERTIFIED INFILTRATOR INSTALLER.
17. A MOBIL PIPELINE INSPECTOR MUST BE NOTIFIED AT THE TIME THAT ANY WORK IS DONE WITHIN THE MOBIL PIPELINE'S R.O.W. TO DETERMINE IF AN INSPECTOR MUST BE PRESENT FOR THE INTENDED WORK. THE CALL BEFORE YOU DIG, INC. AT (800)922-4455 MUST BE CONTACTED AT LEAST THREE DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY NEAR THE PIPELINE OR BOB DUBBEL OF MOBIL PIPELINE (508)478-3054

TRENCH CROSS - SECTION



DESIGN DATA

1. DESIGN FLOW: PROPOSED 4 BEDROOM HOUSE, NO GARAGE GRINDER. DESIGN FLOW: 4 BEDROOMS X 110 GAL/DAY = 440 GAL/DAY
2. SOIL INFORMATION: PERCOLATION RATE = 30 MIN PER IN, SOIL CLASS II. DESIGN PERCOLATION RATE = 30 MIN PER IN
3. LEACHING AREA PROVIDED: 48 INFLTRATOR QUICK 4 STANDARD CHAMBERS 48 x 4" = 192 LF. 192 LF X 6.96 SF/LF = 1336 SF
4. CAPACITY: 1,336 SQUARE FEET X .33 GAL PER SQUARE FOOT = 440 GAL PER DAY

SCALE
1" = 30'

BENCHMARK
PK IN ROAD @ OIL PIPELINE
EL. = 85.12 (ASS.)

ZONING REQ.

- MIN. LOT AREA = 62,500 S.F.
- MIN. LOT FRONT YARD = 250'
- MIN. LOT FRONT SETBACK = 50'
- MIN. FRONT YARD = 50'
- MIN. REAR YARD = 80'
- MIN. SIDE YARD = 25' + 5% (MIN. OVER 1')

SOIL DATA

SOIL TESTS PERFORMED 1/24/07 BY M. CAMPAGNONE AND WITNESSED BY H.R. CHENERVET OF THE SEEKONK BOARD OF HEALTH

TEST PIT 9A	TEST PIT 9B
91.9 T' SANDY LOAM	89.8 T' SANDY LOAM
90.9 12" MED SAND	88.8 12" MED SAND
89.2 36" MED SAND	86.8 36" MED SAND
88.8 6" SANDY LOAM	85.8 48" SANDY LOAM
83.1 108" 10-15% GRV C2 W/COB & BLD	81.5 108" 10-15% GRV C2 W/COB & BLD

PROPOSED SEWAGE DISPOSAL SYSTEM

LOCATION: SUBDIVISION LOT #10 SEEKONK, MA
APPLICANT: DUVALLY CONTRACTING 55 WINTHROP STREET REHOBOTH, MA 02769
Received (JUL 07 2007)
MILLER ENGINEERING 21 BROOK STREET SEEKONK, MA (508) 761-7790

PREPARED BY: MILLER ENGINEERING
JUNE 21, 2007
CHECKED: [Signature]