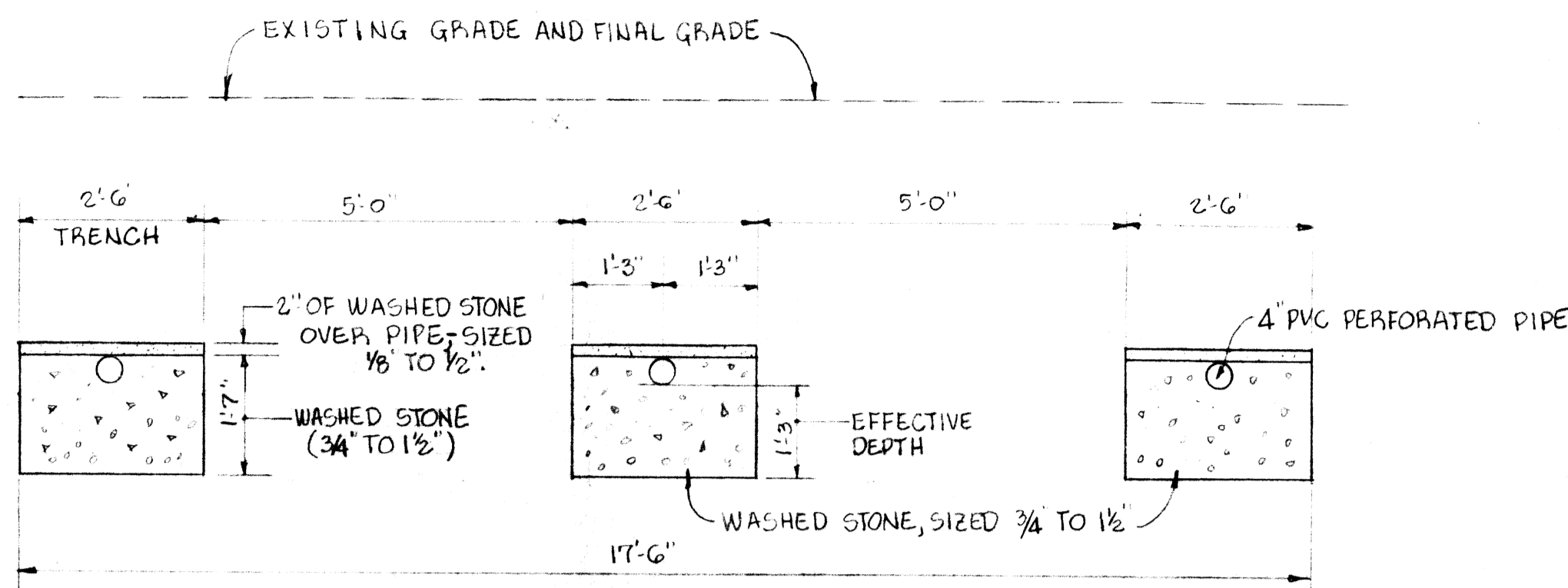


EAST PROVIDENCE QUADRANT-UGS

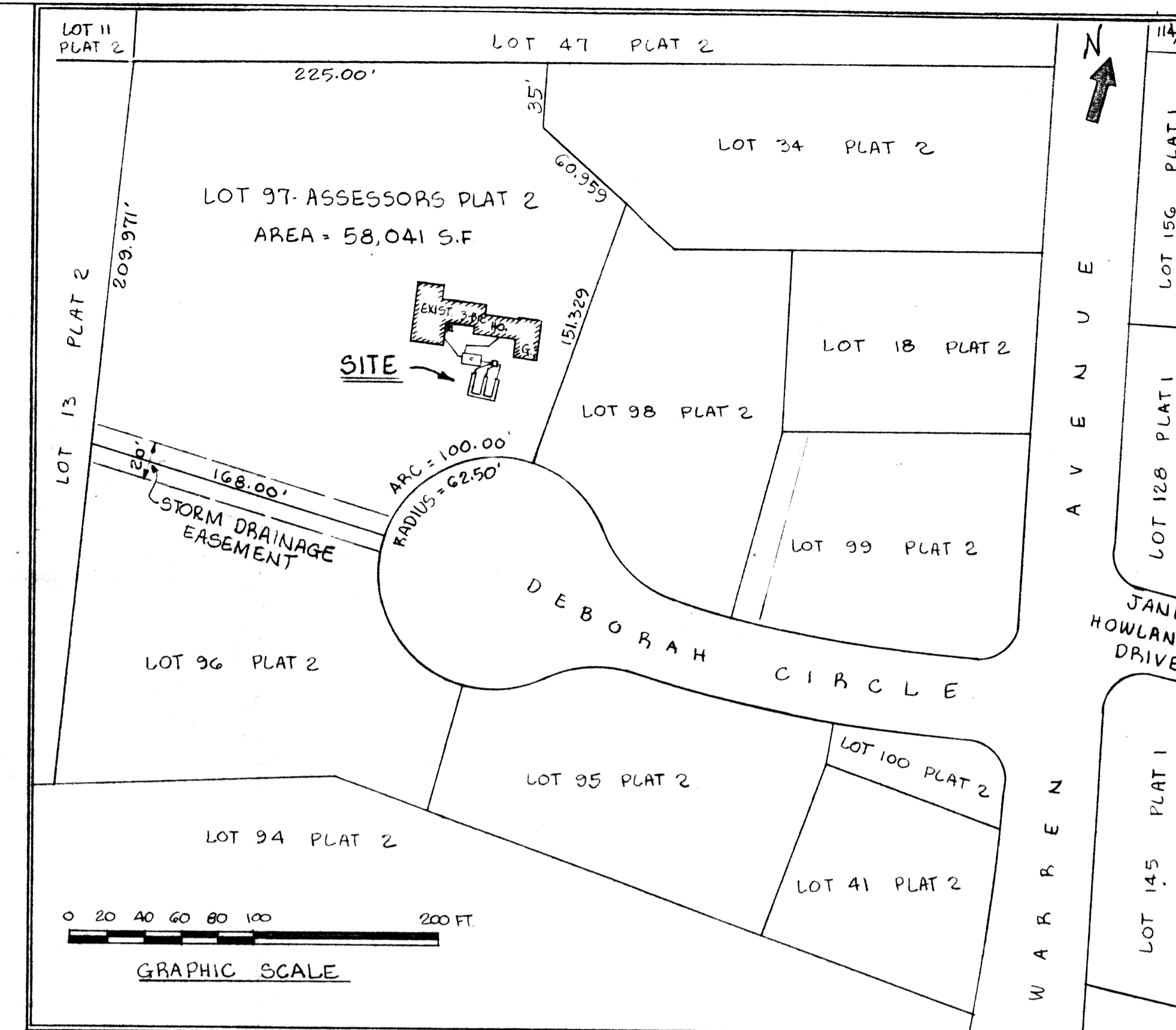
LOCUS

SCALE: 1" = 2000 FT.

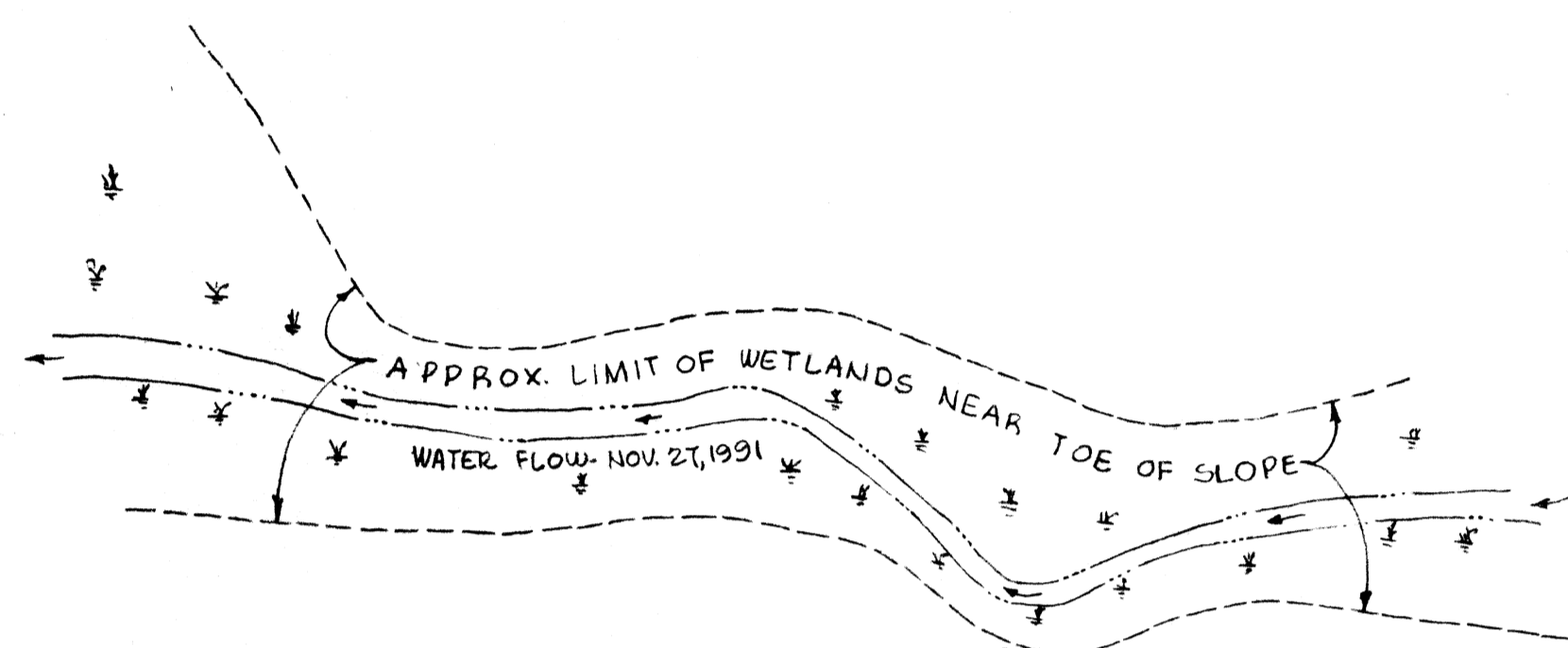


CROSS SECTION OF DISPOSAL TRENCHES

SCALE: 1/2" = 1'-0"

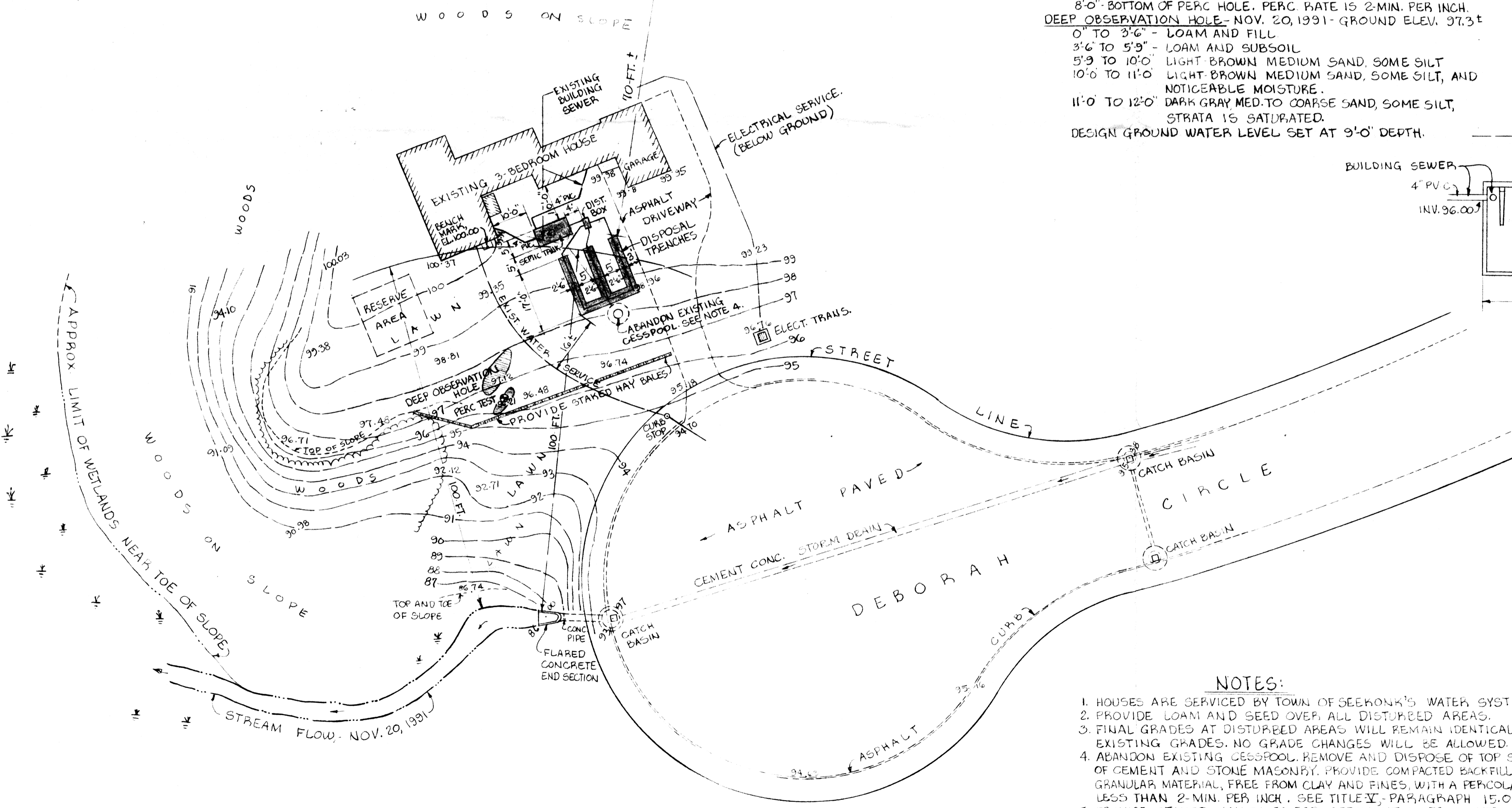


PLAN OF ASSESSORS PLAT 2



SOIL DATA

PERCOLATION TEST - NOVEMBER 20, 1991 - GROUND ELEV. 96.4:
 0" TO 3'-9" - LOAM AND FILL
 3'-9" TO 6'-0" - YELLOW-ORANGE SUBSOIL
 6'-0" TO 8'-0" - LIGHT GRAY MEDIUM SAND, LITTLE SILT
 8'-0" - BOTTOM OF PERC HOLE. PERC. RATE IS 2-MIN. PER INCH.
 DEEP OBSERVATION HOLE - NOV. 20, 1991 - GROUND ELEV. 97.3:
 0" TO 3'-6" - LOAM AND FILL
 3'-6" TO 5'-3" - LOAM AND SUBSOIL
 5'-3" TO 10'-0" - LIGHT BROWN MEDIUM SAND, SOME SILT
 10'-0" TO 11'-0" - LIGHT BROWN MEDIUM SAND, SOME SILT, AND NOTICEABLE MOISTURE.
 11'-0" TO 12'-0" - DARK GRAY MED. TO COARSE SAND, SOME SILT, STRATA IS SATURATED.
 DESIGN GROUND WATER LEVEL SET AT 9'-0" DEPTH.

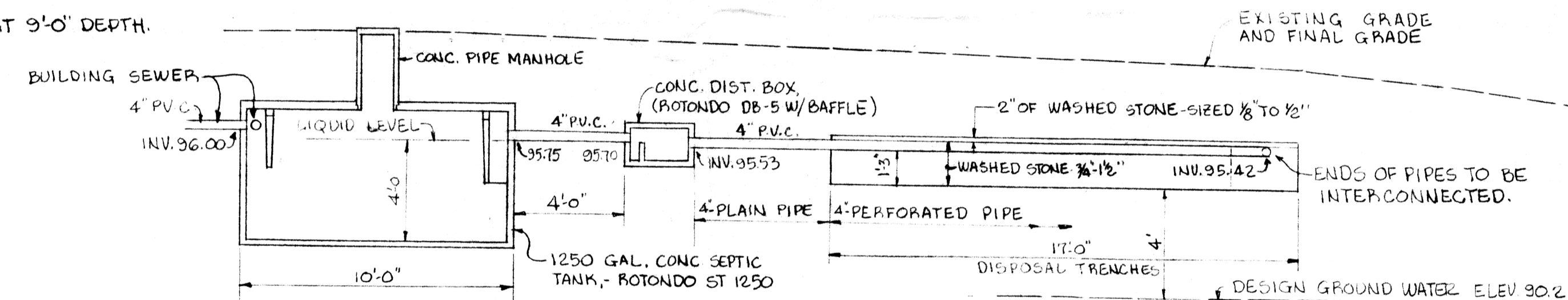


SITE PLAN OF NEW SEWAGE DISPOSAL SYSTEM.

SCALE: 1" = 20'

NOTES:

1. HOUSES ARE SERVICED BY TOWN OF SEEKONK'S WATER SYSTEM.
2. PROVIDE LOAM AND SEED OVER ALL DISTURBED AREAS.
3. FINAL GRADES AT DISTURBED AREAS WILL REMAIN IDENTICAL TO EXISTING GRADES. NO GRADE CHANGES WILL BE ALLOWED.
4. ABANDON EXISTING CESSPOOL, REMOVE AND DISPOSE OF TOP SECTIONS OF CEMENT AND STONE MASONRY. PROVIDE COMPACTED BACKFILL OF CLEAN GRANULAR MATERIAL, FREE FROM CLAY AND FINES, WITH A PERCOLATION RATE LESS THAN 2-MIN. PER INCH. (SEE TITLE 'I', PARAGRAPH 15.02.)
5. PROVIDE STAKED HAY BALES FOR SEDIMENT CONTROL, WHERE SHOWN ON THE PLAN.
6. BENCH MARK - ORANGE PAINT MARK, TOP OF CONCRETE SLAB AT DOOR. ELEVATION 100.00 FEET.



PROFILE OF NEW SEPTIC SYSTEM

SCALE: 1/4" = 1'-0"

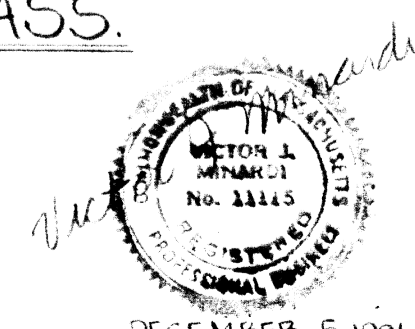
DESIGN CALCULATIONS

DESIGN DAILY FLOW: EXISTING 3-BEDROOM HOUSE:
 3 @ 110 GAL PER BEDROOM PLUS 50% = 495 GALLONS PER DAY
 SEPTIC TANK: 1,250 GALLONS - MINIMUM CAPACITY
 DISPOSAL TRENCHES:
 DESIGN PERCOLATION RATE IS 2-MINUTES PER INCH
 SIDEWALL AREA: (17' x 2 + 17.5' x 4 + 14.5' x 3 x 2.5) x 1.25' = 146.25 SF @ 2.5 GAL PER SQFT = 365 GAL
 BOTTOM AREA: 3 x 2.5 x 17' + 2 x 2.5 x 5' = 152.5 SF @ 1.0 GAL PER SQFT = 152.5 GAL
 TOTAL = 517.5 GAL PER DAY
 BOTTOM OF DISPOSAL TRENCHES TO BE 4 FT MIN ABOVE DESIGN GROUND WATER.
 DISTRIBUTION BOX: USE DB-5 WITH BAFFLE (A ROTONDO #50NS, INC.)

PROPOSED REPLACEMENT OF SEPTIC SYSTEM AT 27 DEBORAH CIRCLE - SEEKONK, MASS.

LOT 97 ASSESSORS PLAT 2
 SCALES: AS SHOWN
 DECEMBER, 1991
 SHEET 1 OF 1 SHEETS

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DECEMBER 5, 1991