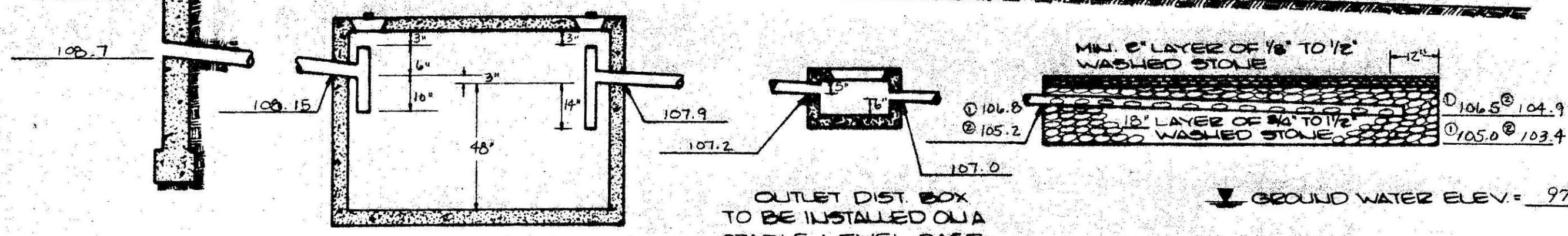


EAST LEVERETT RD. Pending
Lot 078 89-3

TOP OF FOUNDATION ELEV. = 117.8
ELEV. TOP SLAB 110.0
4" SLAB

109.5 @ WALKOUT
111.0 @ PIPE OUT
116.0 @ NORTHSIDE

FINISH GRADE = FINISH GRADE OVER TANK = 107.9
FINISH GRADE OVER LEACHING TRENCHES = 108.5 - 107.5



1000 GAL. CONCRETE SEPTIC TANK
LENGTH 8'-6" WIDTH 4'-10" DEPTH 5'-4"
TANK TO BE INSTALLED ON A LEVEL STABLE BASE.

OUTLET DIST. BOX TO BE INSTALLED ON A STABLE LEVEL BASE.

GROUND WATER ELEV. = 97.4 ASSUMED

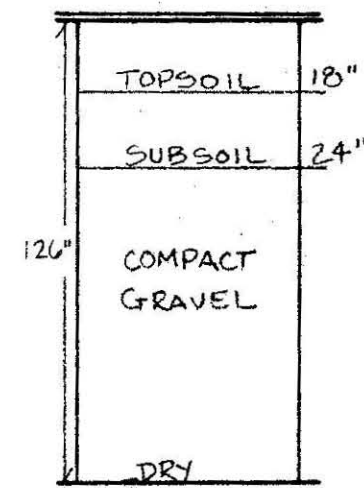
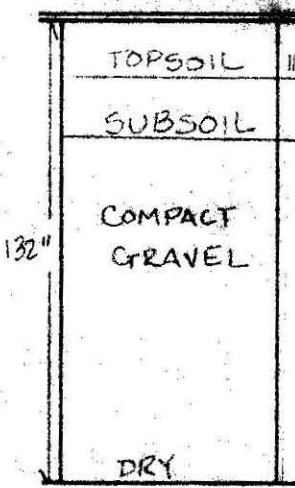
TYPICAL SYSTEM PROFILE
NOT TO SCALE

TEST PIT DATA

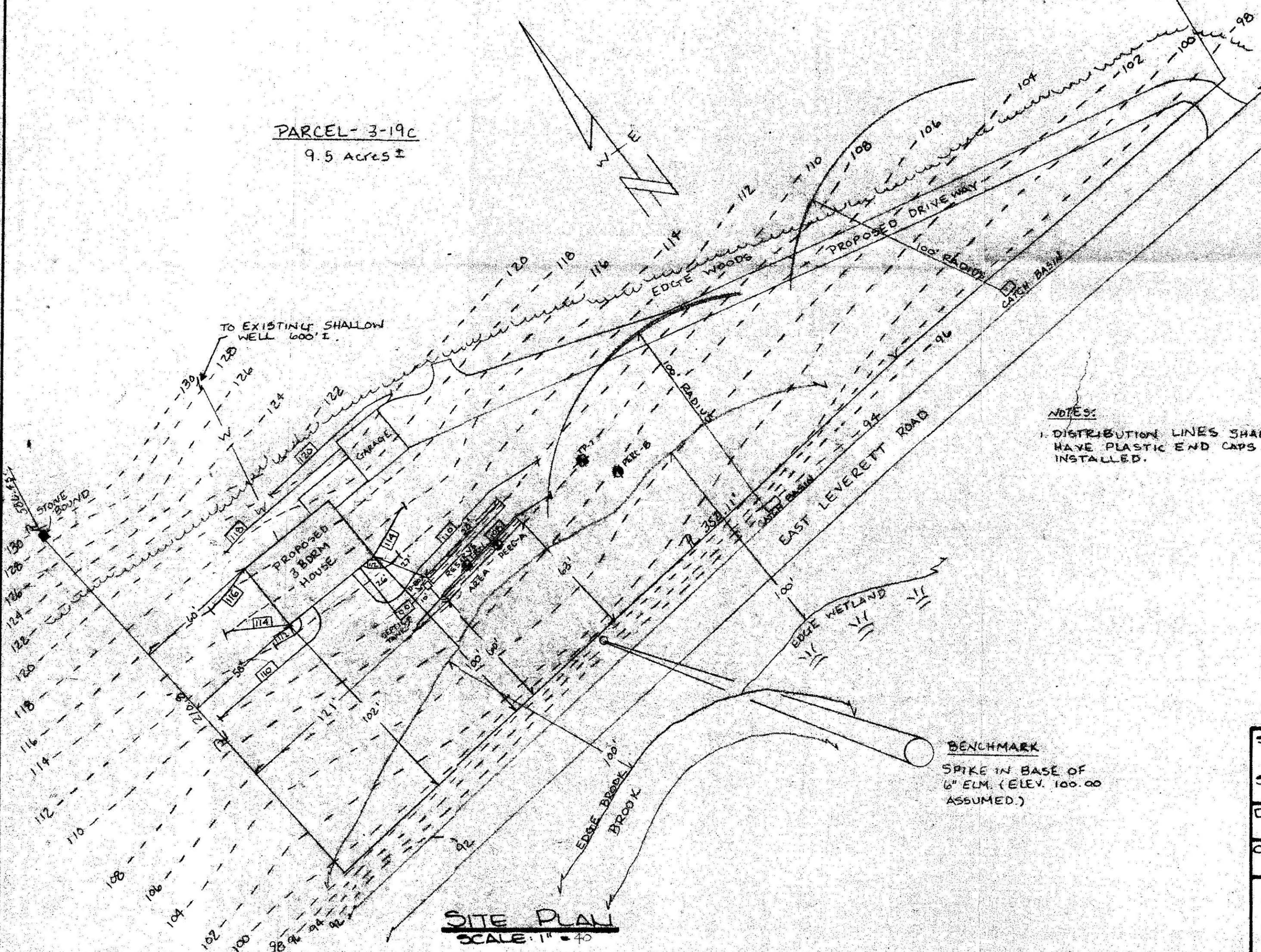
INSPECTOR DAVID ZAROZINSKI
DATE MARCH 6, 1989

TEST PIT #1
ELEV. TOP = 108.4
ELEV. H₂O = DRY
PERC. RATE = 9 MIN./INCH

TEST PIT #2
ELEV. TOP = 108.0
ELEV. H₂O = DRY
PERC. RATE = 2 MIN./INCH



PARCEL - 3-19c
9.5 Acres ±



DESIGN DATA

DESIGN BASED ON SINGLE FAMILY RESIDENCE
DESIGN FLOW 110 GAL./DAY/BDRM
TOTAL DESIGN FLOW 330 GAL./DAY.

SEPTIC TANK
330 GALS. x 150% = 495 GALS. DESIGN CAPACITY.
USE 1000 GALLON SEPTIC TANK
LEACHING TRENCHES
SIDEWALL:
2 x 50' LENGTH x 1.5' DEPTH = 150 SQ. FT.
150 SQ. FT. x 1.00 GAL/SQ. FT. = 150 GAL. LEACHING.
BOTTOM:
50' LENGTH x 2.5' WIDTH = 125 SQ. FT.
125 SQ. FT. x 0.35 GAL/SQ. FT. = 43.75 GAL. LEACHING
TOTAL NO. OF LEACHING TRENCHES = 2
TOTAL LEACHING AREA = 550 SQ. FT.
TOTAL LEACHING CAPACITY = 437.5 GAL./DAY.

GENERAL NOTES:

- 4" PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM, EXCEPT WHERE OTHERWISE NOTED.
- 4" PERFORATED PIPE TO BE USED IN LEACHING TRENCHES.
- 1000 GAL. REINFORCED CONCRETE SEPTIC TANK AND CONCRETE DISTRIBUTION BOX.
- AMHERST BOARD OF HEALTH MUST BE NOTIFIED WHEN SYSTEM IS NEARLY COMPLETE AND PRIOR TO BACKFILLING.
- ELEVATIONS BASED ON ASSUMED DATUM.
- UNLESS OTHERWISE NOTED, ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE 5 OF THE STATE SANITARY CODE AND ANY APPLICABLE LOCAL RULES.
- ANY CHANGE TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH AND THE ENGINEER.
- THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE GRINDER.

LEGEND

---	EXISTING CONTOURS
- - -	PROPOSED CONTOURS
---	WATER LINE
○	WELL
⊕	TEST PIT LOCATION
□	SEPTIC TANK
□	DISTRIBUTION BOX
---	4" PERFORATED PIPE
---	4" PIPE TIGHT JOINTS (P.V.C.)
---	4" CAST IRON PIPE

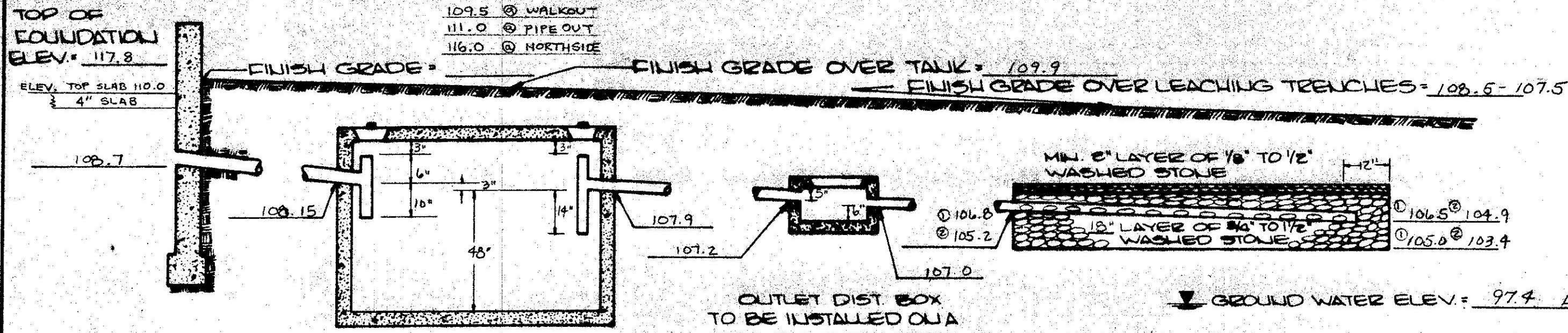
NOTES:

- DISTRIBUTION LINES SHALL HAVE PLASTIC END CAPS INSTALLED.

BENCHMARK
SPIKE IN BASE OF 6" ELM. (ELEV. 100.00 ASSUMED.)

SCALE: AS SHOWN	APPROVED: [Signature]	REV. DATE BY DESCRIPTION
DRN BY: KD	[Seal: DOUGLAS J. MACLEAY, No. 21203 CIVIL ENGINEER, REGISTERED PROFESSIONAL ENGINEER]	SEWAGE SYSTEM DESIGN IN AMHERST, MA
CHECKED: DV		FOR: MAX STOSZ
		DATE: MARCH 24, 1989 JOB NO. 89-025

MACLEAY ASSOCIATES
P.O. BOX 32, COLRAIN, MA 01340
OFFICE: 102 BRIDGE ST, SHELburne FALLS, MA 01370



1000 GAL CONCRETE SEPTIC TANK
 LENGTH 8'-6" WIDTH 4'-10" DEPTH 5'-4"
 TANK TO BE INSTALLED ON A LEVEL STABLE BASE.

TYPICAL SYSTEM PROFILE
 NOT TO SCALE

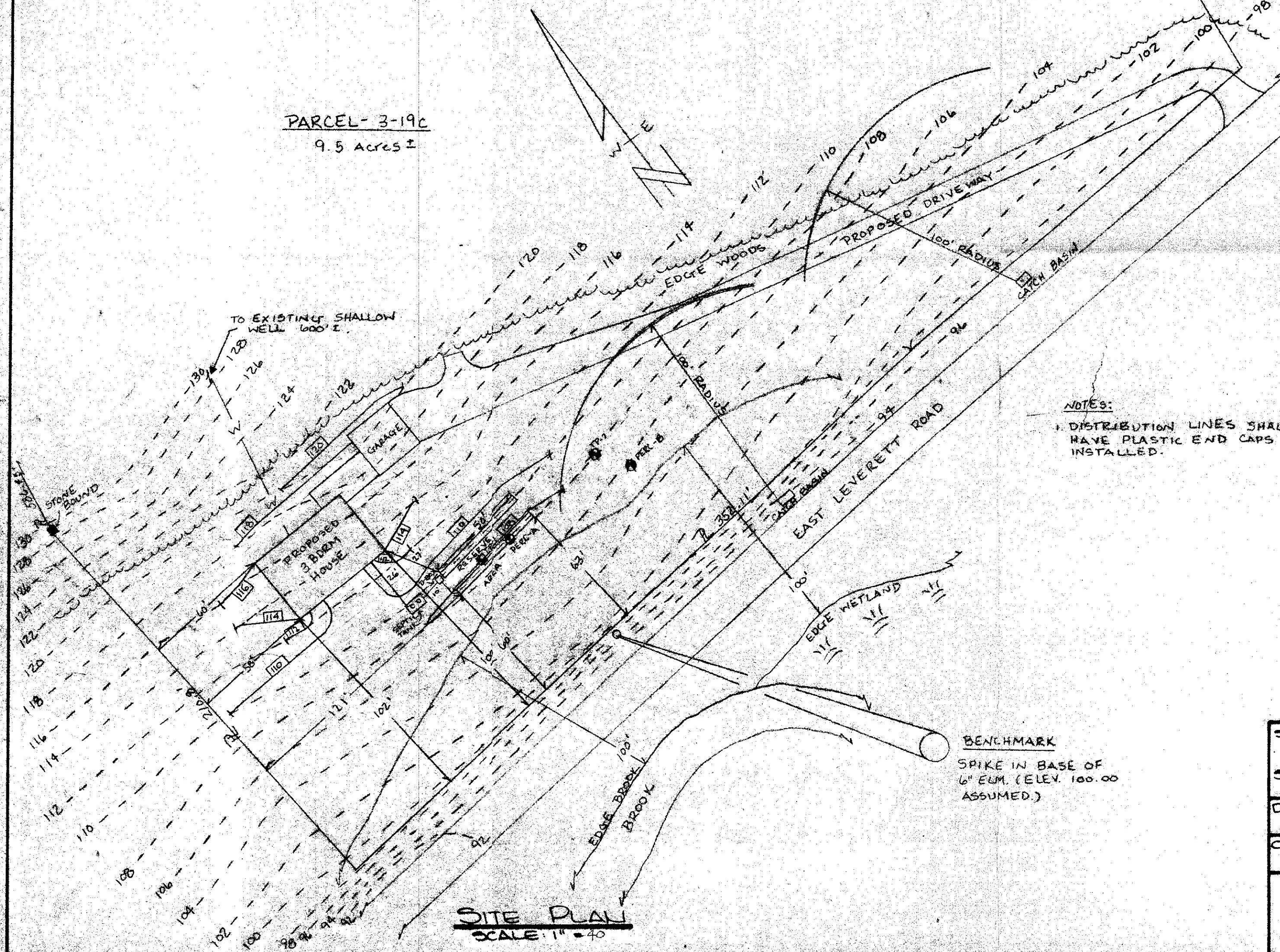
TEST PIT DATA

INSPECTOR DAVID ZAROZINSKI
DATE MARCH 6, 1989

TEST PIT #	ELEV. TOP	ELEV. H ₂ O	PERC. RATE
TEST PIT #1	108.4	DRY	9 MIN./INCH
TEST PIT #2	108.0	DRY	2 MIN./INCH

TEST PIT #1	TEST PIT #2
TOPSOIL 12"	TOPSOIL 18"
SUBSOIL 18"	SUBSOIL 24"
132" COMPACT GRAVEL	126" COMPACT GRAVEL
DRY	DRY

PARCEL - 3-19c
 9.5 Acres ±



DESIGN DATA

DESIGN BASED ON SINGLE FAMILY RESIDENCE
 DESIGN FLOW 110 GAL./DAY./BDEM
 TOTAL DESIGN FLOW 330 GAL./DAY.
SEPTIC TANK
 330 GALS. x 150% = 495 GALS. DESIGN CAPACITY.
 USE 1000 GALLON SEPTIC TANK
LEACHING TRENCHES
SIDEWALL:
 2 x 50' LENGTH x 1.5' DEPTH = 150 SQ. FT.
 150 SQ. FT. x 1.00 GAL./SQ. FT. = 150 GAL. LEACHING.
BOTTOM:
 50' LENGTH x 2.5' WIDTH = 125 SQ. FT.
 125 SQ. FT. x 0.55 GAL./SQ. FT. = 68.75 GAL. LEACHING
 TOTAL NO. OF LEACHING TRENCHES = 2
 TOTAL LEACHING AREA = 550 SQ. FT.
 TOTAL LEACHING CAPACITY = 437.5 GAL./DAY.

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 - 1000 GAL. REINFORCED CONCRETE SEPTIC TANK AND CONCRETE DISTRIBUTION BOX.
 - AMHERST BOARD OF HEALTH MUST BE NOTIFIED WHEN SYSTEM IS NEARLY COMPLETE AND PRIOR TO BACKFILLING.
 - ELEVATIONS BASED ON ASSUMED DATUM.
 - UNLESS OTHERWISE NOTED, ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE 5 OF THE STATE SANITARY CODE AND ANY APPLICABLE LOCAL RULES.
 - ANY CHANGE TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH AND THE ENGINEER.
 - THIS SYSTEM (IS, IS NOT) DESIGNED FOR A GARBAGE GRINDER.

LEGEND

---	EXISTING CONTOURS
- - - -	PROPOSED CONTOURS
---	WATER LINE
W	WELL
+	TEST PIT LOCATION
□	SEPTIC TANK
□	DISTRIBUTION BOX
---	4" PERFORATED PIPE
---	4" PIPE TIGHT JOINTS (PVC)
---	4" CAST IRON PIPE

SCALE: AS SHOWN	APPROVED: [Signature]	REV. DATE BY DESCRIPTION	APPD.
DESIGNED BY: KD		SEWAGE SYSTEM DESIGN IN AMHERST, MA	
CHECKED BY: DV		FOR: MAX STOSZ	JOB NO. 89-025
DATE: MARCH 24, 1989		OFFICE: 102 BRIDGE ST., SHELBORNE FALLS, MA 01370	

MACLEAY ASSOCIATES
 PO. BOX 32, COLRAIN, MA 01340
 OFFICE: 102 BRIDGE ST., SHELBORNE FALLS, MA 01370