

ED KAYNOR
P6 160
C4 # 0814
5/12/94

PERC TEST DATA SHEET

DATE 5/12/94 LOCATION 460 MARKET Hill LOT SIZE _____

OWNER Edward Kaynor ADDRESS 460 Market TELE # 549-1667

P.E./RS Bill Steuta FIRM SAME OBSERVED BY David Zaminoff

BACK HOE OPERATOR Bill Steuta TELE _____ BENCH MARK _____

PERC DEPTH 52" PRE SOAK TIME 7:20-7:35 PERC DEPTH 52" PRE SOAK TIME 7:43-7:58

TEST	<u>12"</u>	<u>7:35</u>	<u>8"</u>	<u>8:18</u>	<u>12"</u>	<u>7:58</u>	<u>8"</u>	<u>8:38</u>
	<u>11"</u>	<u>7:41</u>	<u>7"</u>	<u>8:28</u>	<u>11"</u>	<u>8:08</u>	<u>7"</u>	<u>8:49</u>
	<u>10"</u>	<u>7:54</u>	<u>6"</u>	<u>8:38</u>	<u>10"</u>	<u>8:18</u>	<u>6"</u>	<u>8:58</u>
	<u>9"</u>	<u>8:07</u>			<u>9"</u>	<u>8:30</u>		

RATE

(15)

RATE

(15)

#1

#2

TOP	8
SUB	16
COMPACT Gravel Till	

TOP	8
SUB	16
FINE Silty Till 90"	
Silty gravel Till 92"	

DRY 128

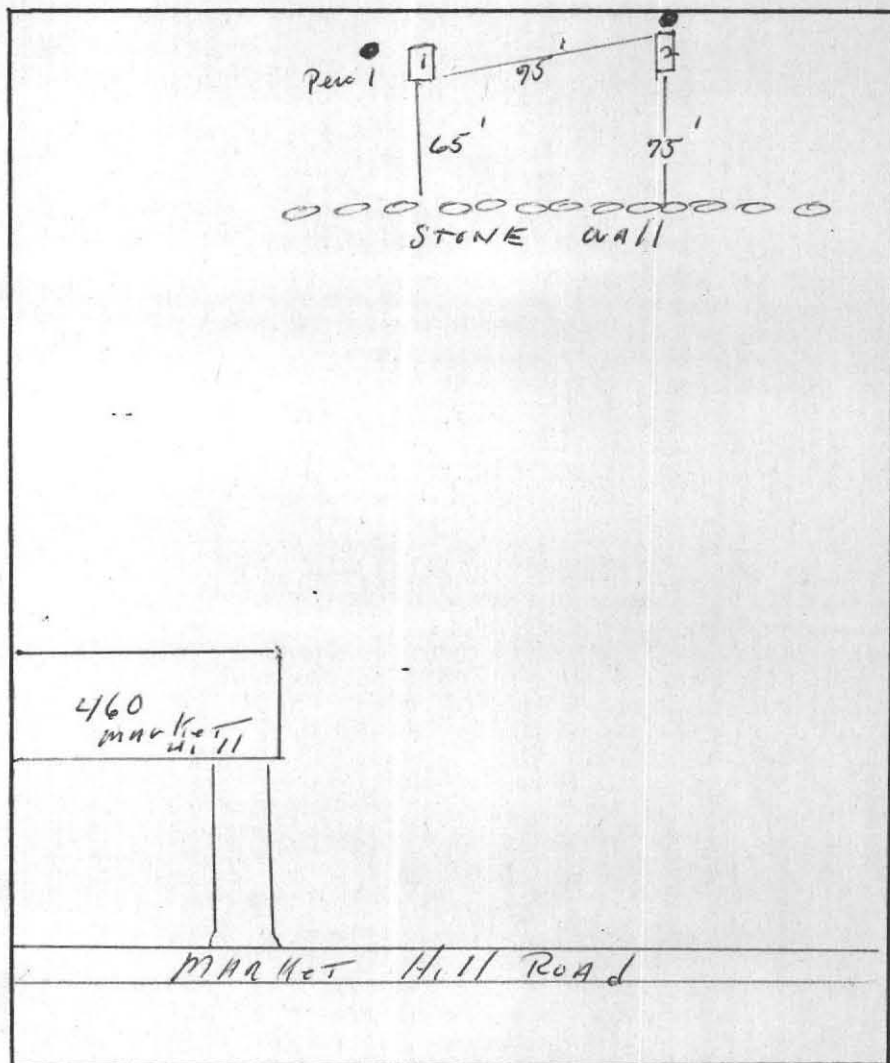
DRY 126

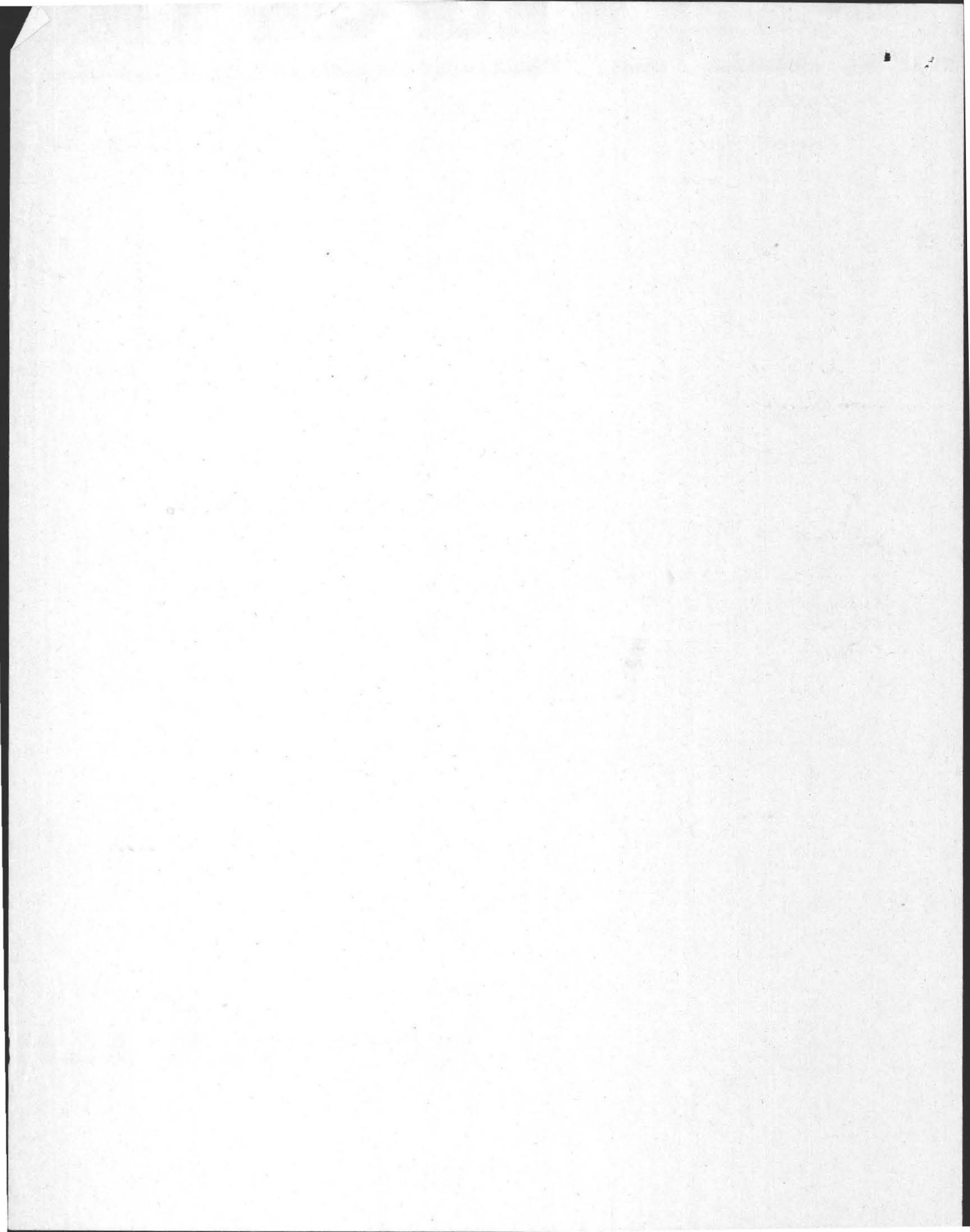
TOP	
SUB	

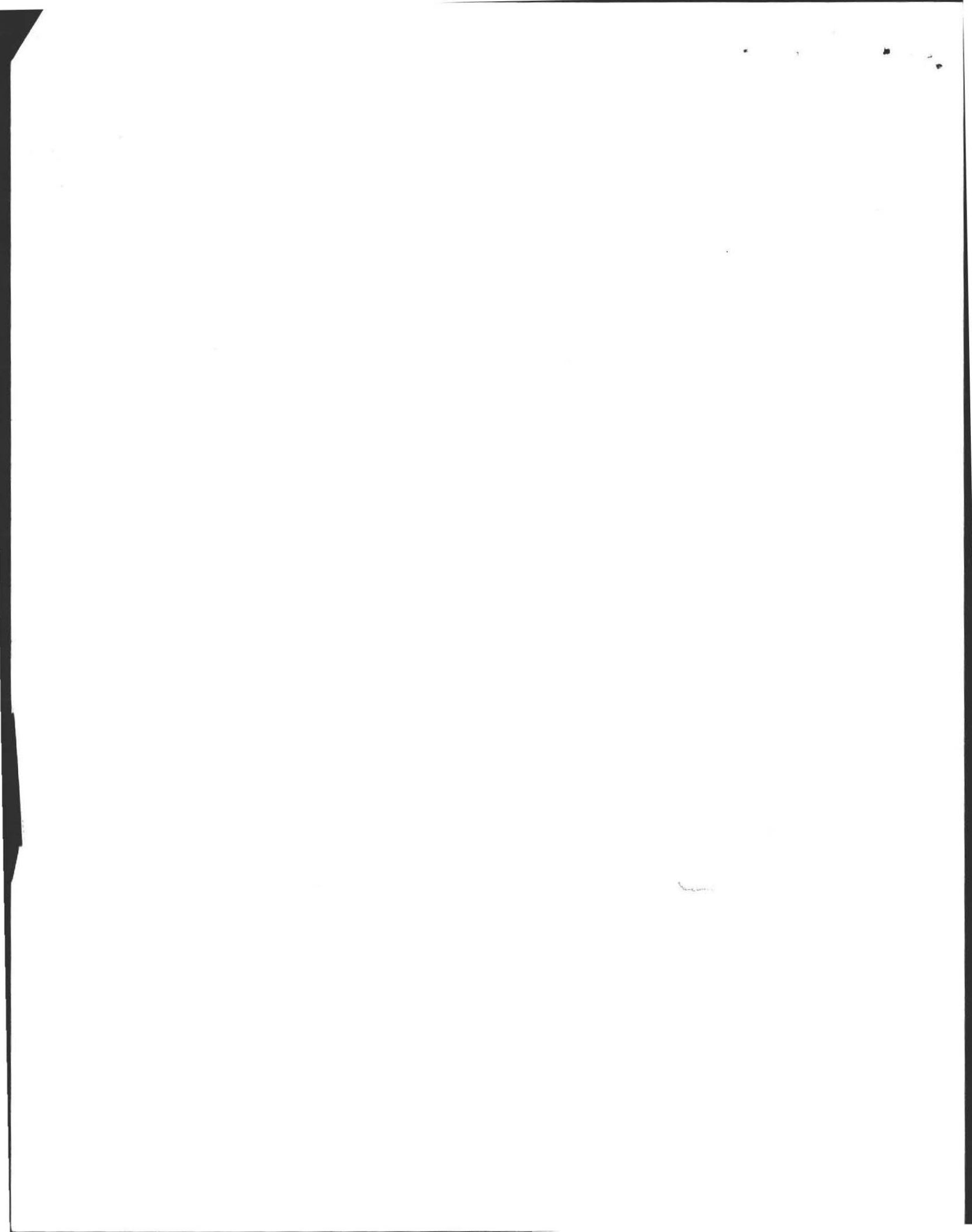
TOP	
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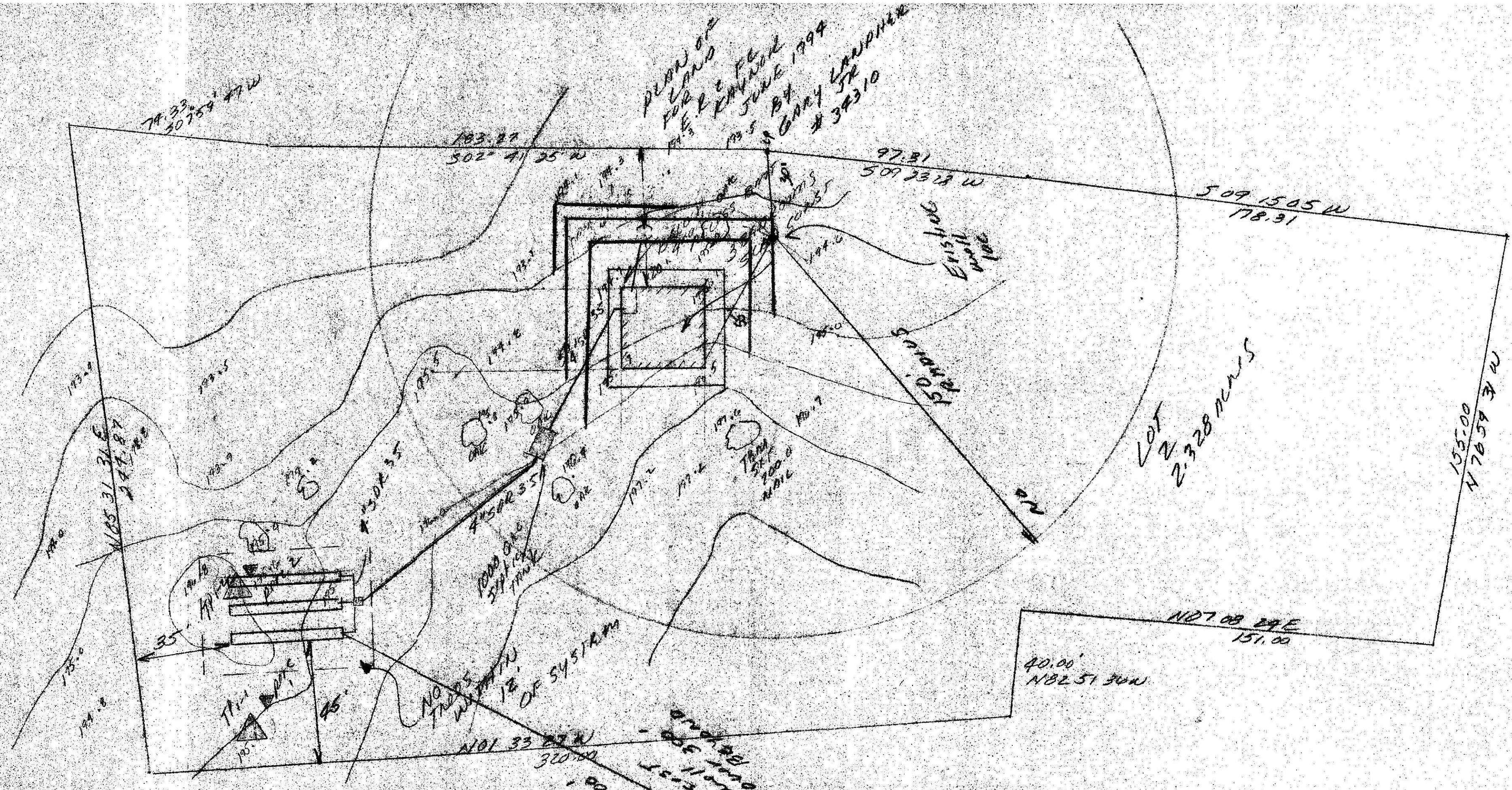


PERCOLATION TEST INFORMATION

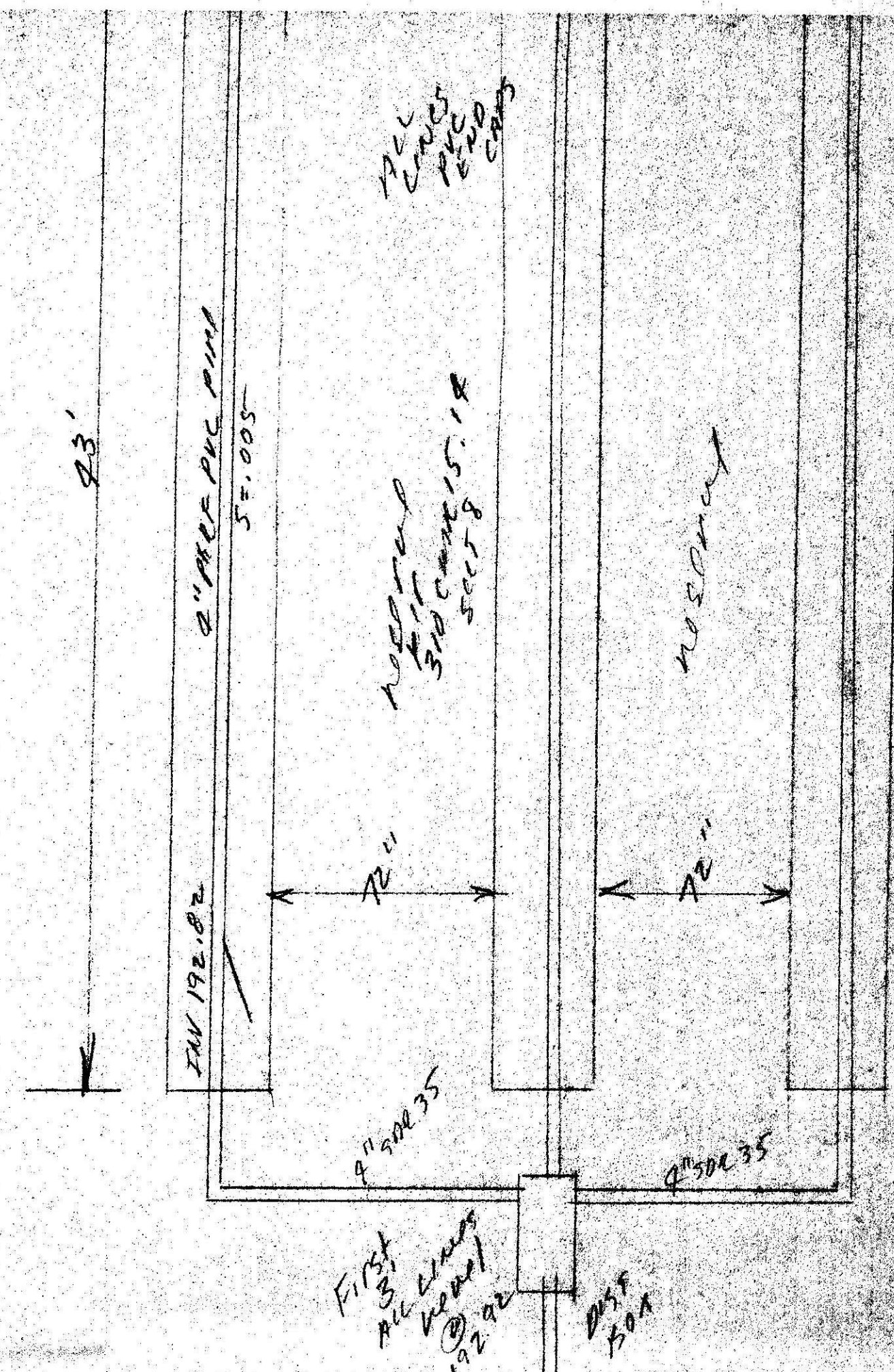
TEST PIT	TEST PIT
TP-1	TP-2
015 LOAM 0-8	015 LOAM 0-8
SILTY SUB SOIL 8-16	SILTY SUB SOIL 8-16
COMPACT gravel with cobbles 16-128	FINE SILTY TILL 16-70
DRY 10' ORLES	COARSE gravel 70-92
	SILTY GRAVEL 92-120
	TILL
	DRY 10' ORLES

DATE MAY 12 1994
 EDWARD KAYAK PROPERTY
 400 MARKET HILL RD
 ENGR W.J. SIERUTA PE
 WITNESS D. ZAR REUSSEL BON
 PERMEABILITY TESTS
 TEST DEPTH 52 PERCENT AT
 ACTUAL RATE 11.0 GALS/DAY/INCH

PLAN TEST 2 DESIGN RATE 15.0
 AT TP-2 ACTUAL RATE 9.66 MIN/INCH



PLAN VIEW SCALE 1" = 30'



DESIGN INFORMATION
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 TANKS AND ALL LOCAL BOARD OF HEALTH REGULATIONS

FINISH GRADING TO BE AS SHOWN ON PLANS WITH ALL DISTRIBUTION MAINS TO BE COVERED AND SLOPED NO TANKS TO BE WITHIN 12 FT OF LEACHING SYSTEM

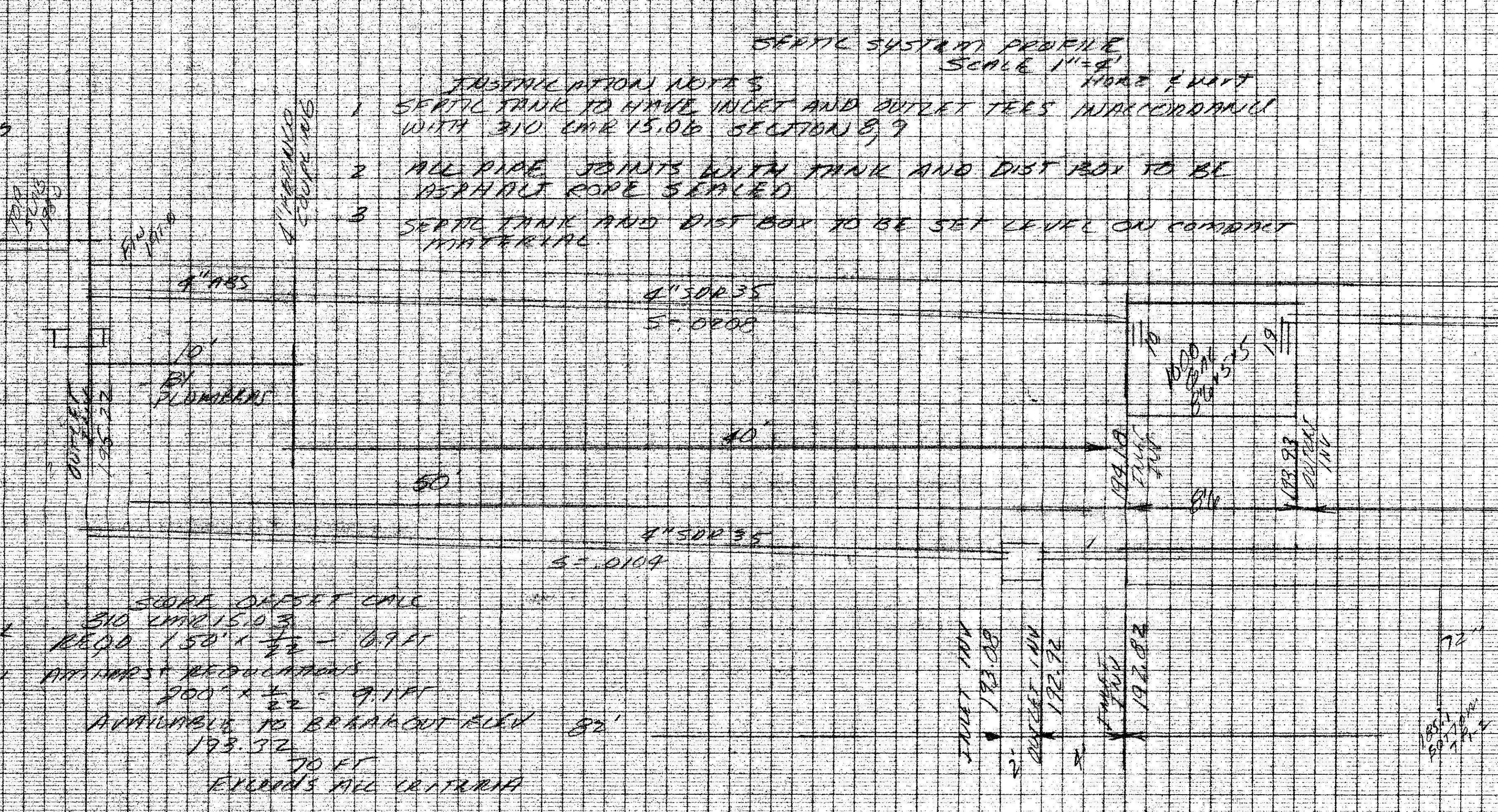
DESIGN CRITERIA
 USE PROPOSED SINGLE FAMILY RESIDENTIAL STRUCTURE
 3 BEDROOM
 NO DISPOSAL UNIT
 SLAB CONSTRUCTION ON ROOST WALLS
 DESIGN FLOOR 310 CMR 15.0 & LOCAL BOARD OF HEALTH REGULATIONS
 110 x 3000 GPM 112510 413 GALS/DAY

SEPTIC TANK
 310 CMR 15.00 NO DISPOSAL UNIT
 413 GALS/DAY x 1.537 = 639 GALS
 MINIMUM TANK SIZE PERMITTED 1000 GALS
 USE PRECAST CONCRETE TANK
 8'0" x 15'4" TYPICAL TANK
 56" FEED INCH TO INLET INV

LEACHING SYSTEM
 DUE TO SOIL CONDITIONS A LEACH TRENCH DESIGN IS TO BE USED

PERFORATED WIDTH 30"
 PERFORATED DEPTH 18"
 PERFORATED LENGTH 129'
 USE 3 FRANKS 10 FT 43' LONG
 BOTTOM ADJACENT SIDE WALLS
 PER 310 CMR 15.14 SPT 3

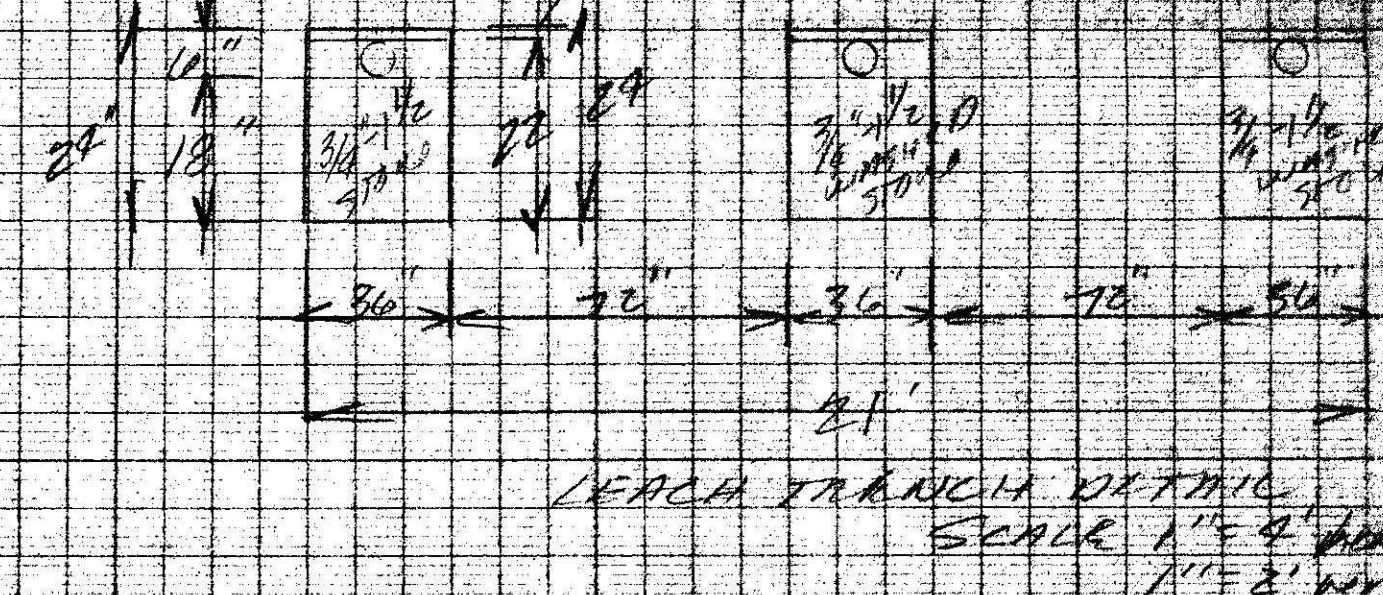
BOTTOM AREA 129 x 13 = 387 FT²
 SIDE WALL AREA 152 x 129 = 387 FT²
 TOTAL PERMEABILITY 387 x .46 + 387 x .43 = 422 GALS/DAY



TBM SET ON SITE
 ELEV 200
 SET IN 2" OAK
 NAIL IN TRENCH

SEPTIC SYSTEM PROFILE SCALE 1" = 4'

INSTALLATION NOTES
 1. SEPTIC TANK TO HAVE INLET AND OUTLET TEES W/ARROW POINT WITH 310 CMR 15.06 SECTION 8, 9
 2. ALL PIPE JOINTS WITH TANK AND DIST BOX TO BE ASPHALT ROPE SEALED
 3. SEPTIC TANK AND DIST BOX TO BE SET LEVEL ON COMPACT MATERIAL



TRENCH TRENCH DETAIL SCALE 1" = 4' HORIZ SCALE 1" = 8' VERT



SEPTIC SYSTEM DESIGN FOR
 W. KAYAK
 LOT 2 (PART OF 402)
 MARKET HILL ROAD
 AMHARST MASS
 ENGR W.J. SIERUTA PE
 DATE JULY 10, 1994