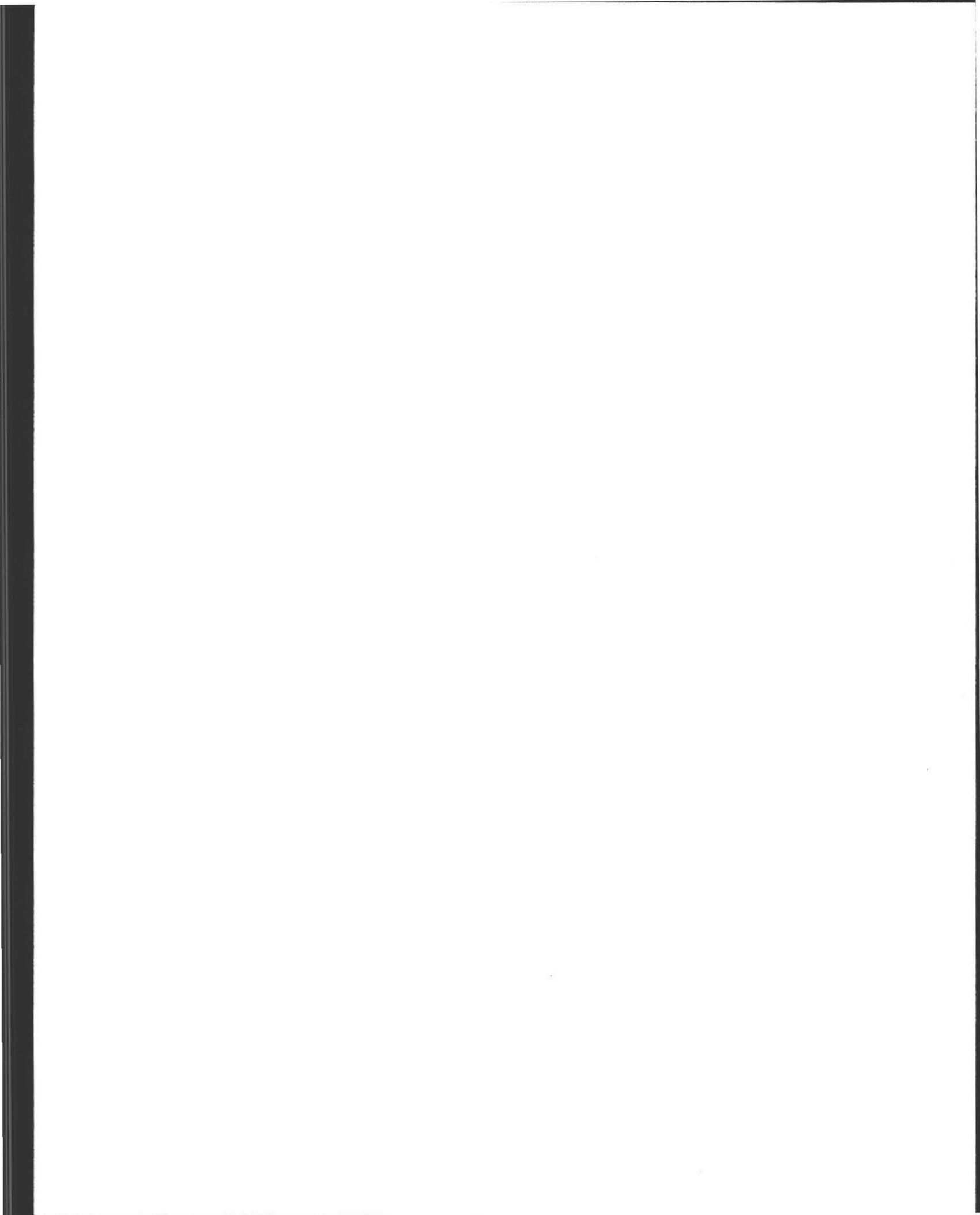


EAST PLEASANT ST

108 SAMPLES

EXAMINATION OF PRIVATE H₂O SAMPLES 1953

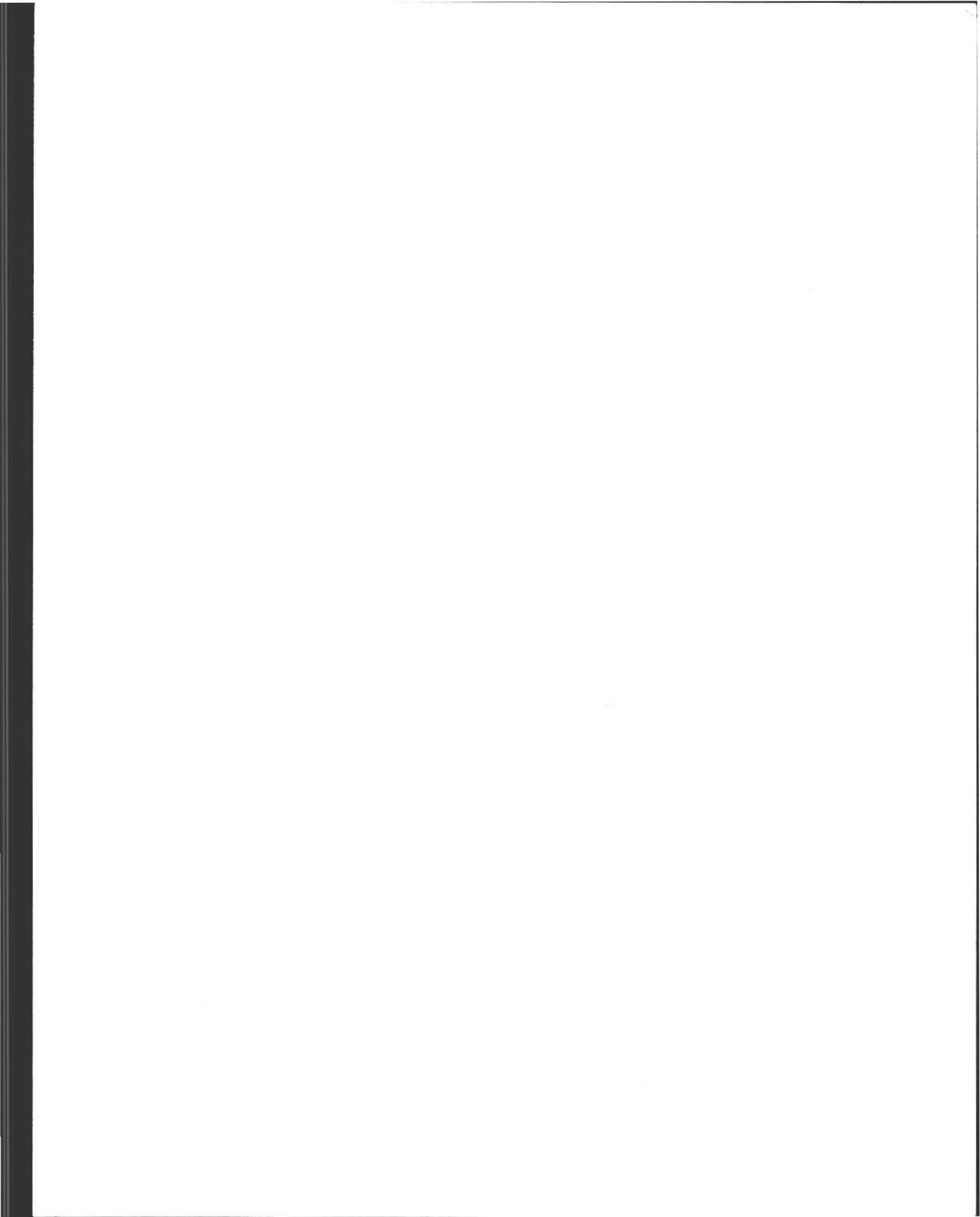
NAME	RESULTS	MPN	
Mrs FELIX PETERSON EAST PLEASANT ST (6/16/53)	1600	col. / 100	Mrs Peterson has a small pond on her property, wanted to allow children to swim there - advised against it.
Mrs W. H. DARE (6/26/53)			Wants Freshmen River examined for drinking purposes. Two samples - one south of Pelham Rd. REPEAT 4700 / 100 ml 7300 / " "
7/10/53	④ 7000	100 ml	Two samples - one south of Pelham Rd. one south of Blountstown Rd. REPEAT 4700 / 100 ml 7300 / " "
10/6/53	① 3300	100 ml	PUFFERS POND NO AMHERST
JOSEPH WALL'S MIDDLE ST	W	POLLUTED	CHARGINATED WELL & SYSTEM.
10/13/53	→ OK		
GROFF PARK	6/1/53 TO 9/19/53		2 SAMPLES A WEEK - ALL SHOWED CHARACTERISTIC POLLUTION - APP 100 SAMPLES / 3 EACH DAY



Toy Blair - July (5) 500 gal cement tank.
75 ft - tile pipe -
Ambert Oil Co.

Peterson - August 22, E Pleasant St.
100 gal tank - art. mit.
Tolland

- August 21. 600 gal tank (P)
Pomroy Jones 95-1



**APPLICATION FOR PERMIT TO CONSTRUCT OR REPAIR
A PRIVATE SEWAGE DISPOSAL SYSTEM**

TO: THE BOARD OF HEALTH, AMHERST, MASS.

No.

NELSON, AL of E. Pleasant No. 35164
(owner's name) (address) (phone)

hereby applies for a permit to construct or repair a private disposal system for a Residence
(residence, store, etc.)

which will be located at E. Pleasant to be installed by

James Hickey West Hampton
(name) (address) (phone)

Builder is Same Plumber is

Description of lot, building and fixtures as follows:

Lot: Dimensions 105' x 260' Type of Soil Good Mix Well or Town Water? Town

Distance to Town Sewer 1/4 to 1/2 mile Depth to Ground Water ? Kind of Well

Will Lot be Graded? Yes By Filling or Removing Soil? Not Significant

Building: Dimensions 26' x 39' No. Bedrooms 3 No. Occupants 4

Fixtures: No. Toilets 1 Urinals Wash Basins 1 Bathtubs 1

Showers 1 Kitchen Sinks 1 Garbage Grinders No

Auto Dishwasher No Auto. Clotheswasher 1 Other (basement) Washer

(On reverse side show plot plan with building. Include dimensions, distances from all boundaries. Show location of wells, streams, ledge, large trees, etc.)

I certify that the above information is correct and that I will notify the Board of Health if any conditions are changed. I also declare that I have read and understand all the rules and regulations applying hereto and will comply with all requirements and stipulations as included in a permit if issued to me.

Date June 13, 1960 Allan Nelson
(Signature of Applicant)

PERMIT TO CONSTRUCT OR REPAIR A PRIVATE SEWAGE DISPOSAL SYSTEM

No.

Al. Nelson is hereby granted permission to proceed with the construction or repair of private sewage disposal system with the following minimum requirements:

Septic Tank: Must be of Cement and of 750 Gals. Liquid Capacity.

Leaching System: Trenches of not less than 290-300 Sq. Ft. bottom area.

Dry well about 7 ft. bottom area and 4 ft. below the inlet.

Other

This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.

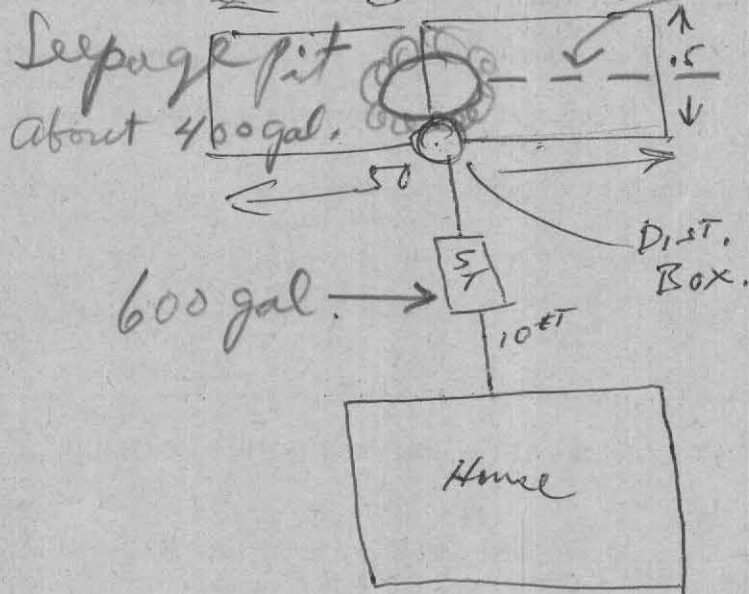
H. G. Lind 6/13/60
for the Board of Health date

Inspected July 29, 1960 Approved [Signature]

not notified of change

BROOK
105'

268



to be installed
if needed

280'

sub soil =
gravel &
coarse sand

Approved on
basis of
favorable
soil conditions!

105'

E pleasant



545-2230

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 75 x 1 Date 7/17/75 Fee None Date Rec'd. _____ By _____

Application is hereby made for a permit to Construct (X) or Repair () an Individual Sewage Disposal System at: Univ. of Mass., E. Pleasant St., 400' ±
Location—Address north of Amherst water supply towers. (over) or Lot No. _____
Owner Univ. of Mass. Address C.E & F.A.E. Depts.
Contractor NEW Project -Hatch Proj. 324 Address Univ. of Mass., Amherst
Type of Building Dwelling (over) Dimensions 32' x 48' Size Lot 300'x300' (arbitrary)
Dwelling—No. of ~~rooms~~ rooms 7 Expansion Attic (No) Garbage Grinder (No)
Other Full basement No. of persons 4 ± Showers (1)
Other fixtures 2 Lav., 1 stool, sink, elec. dishwasher, washing machine, drier
Town Water? Yes Type of Well _____

Design Flow 50 gallons per person per day. Total daily flow 600 gallons
Septic Tank—Liquid capacity 1000-1200 gallons Dimensions: L _____ W _____ D _____
Disposal Trench—No. _____ Width 35"± Total Length _____ Total leaching area _____ sq. ft.
Disposal Bed—No. 1 Diameter (square) Depth below inlet 12" Total leaching area 1400 sq. ft.
Dry Well—No. _____ Diameter _____ Depth below inlet _____ Dimensions: _____ x _____ x _____
Other: Distribution box Yes No. 1 Dosing tank (No)
(Depth of Soil Line Below finished grade at foundation 1.3')

Percolation Test Results Performed by Burtis A Johnson Date July 9, 1975
Test Pit No. 1 18 minutes per inch, No. 2 - 5.5 min Depth of Test Pit 24"±
Test Pit No. 2 19.7 minutes per inch 1 inch Depth of Test Pit 24"±
Description of Soil See plan sheet Depth to Ground Water None found at 7 1/2'
Will disposal area be filled? Yes Cut down? No
(On reverse side or separate sheet, show plot plan with building. Include dimensions, distances from all boundaries. Show location of wells, streams, ledge, large trees, etc.)

AGREEMENT: The undersigned agrees to construct the aforescribed individual sewage disposal system in accordance with the provisions of Article XI of the Sanitary Code and regulations of the Amherst Board of Health. The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by this board of health.

Application Approved by [Signature] Owner or builder [Signature] Date 7/17/75
Date 7/17/75

Application Disapproved for the following reasons:

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
CERTIFICATE OF COMPLIANCE

THIS IS TO CERTIFY, That the individual Sewage Disposal System installed () or repaired () by _____ at _____ has been constructed in accordance with the provisions of _____ INSTALLER Article XI of the State Sanitary Code as described in the application for Disposal Works Construction Permit No. _____ dated _____

The issuance of this certificate shall not be construed as a guarantee that the system will function satisfactorily.
DATE _____ Inspector _____

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
DISPOSAL WORKS CONSTRUCTION PERMIT

No. 75 x 1
Permission is hereby granted Univ. of Mass to construct (X) or repair () an Individual Sewage Disposal System at E. Pleasant St 400' No. of Water Towers as shown on the application for Disposal Works Construction Permit No. 75 x 1

This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.
DATE 7-17-75 Board of Health [Signature]

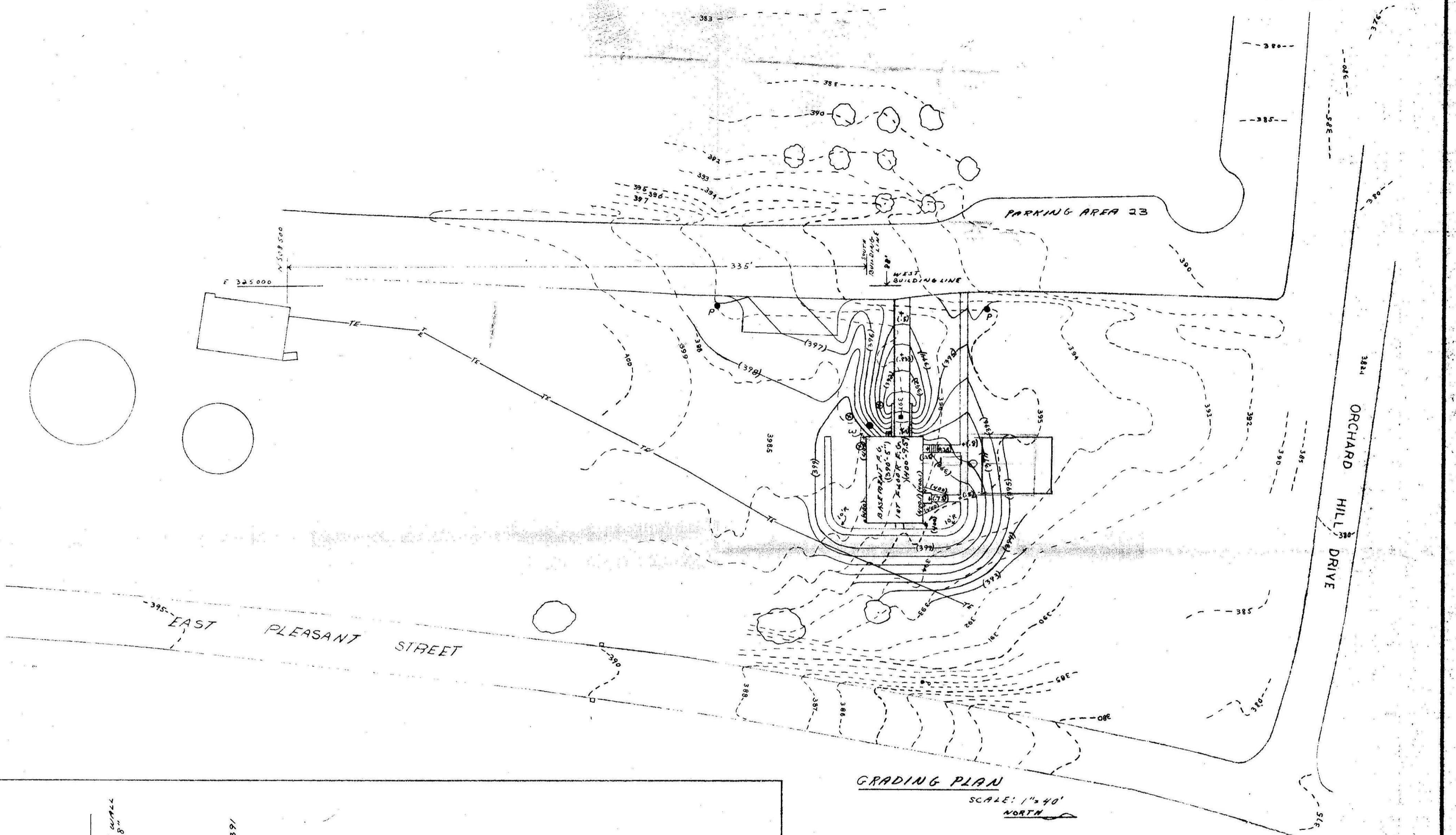
Location - Address (cont.)

South of Orchard Hill Drive, East of parking area 23,
West of East Pleasant Street.

Type of Building (cont.)

Dwelling - with research facility in basement

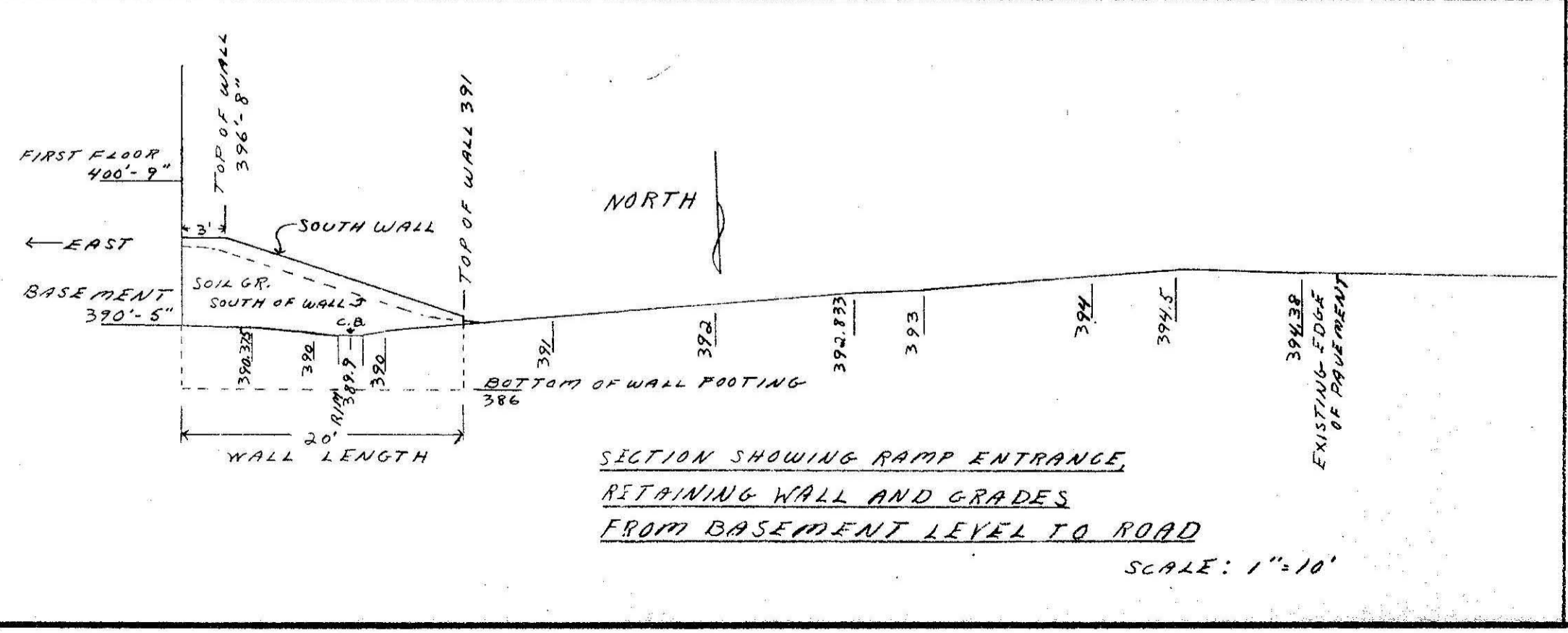
(3 Bedrooms)
Upstairs



GRADING PLAN
SCALE: 1" = 40'
NORTH

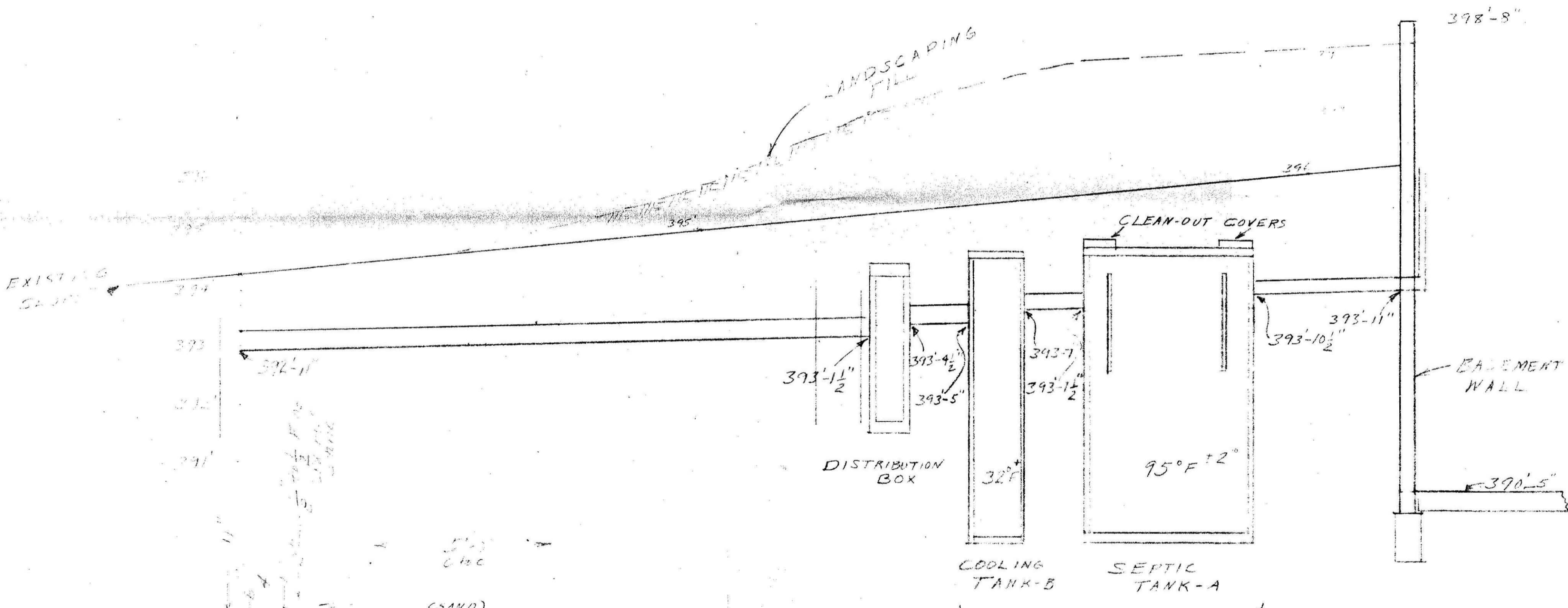
LEGEND

- 395 --- EXISTING
- (395) --- PROPOSED
- P POWER POLE
- W WINDMILL
- + SPOT GRADE
- TE POWER DUCT
- EXISTING C.B.
- NEW C.B.
- ⊕ ANCHOR



SECTION SHOWING RAMP ENTRANCE, RETAINING WALL AND GRADES FROM BASEMENT LEVEL TO ROAD
SCALE: 1" = 10'

REV. NO.	DESCRIPTION	BY	APP'D	DATE
UNIVERSITY OF MASSACHUSETTS PHYSICAL PLANT DEPARTMENT				
U-MASS. SOLAR HABITAT - I SITE GRADING PLAN + SECTION				
DRN.	BY	DATE	APP'D.	DATE
TRD.	BY	DATE	APP'D.	DATE
CKD.	BY	DATE	APP'D.	DATE
DES.	BY	DATE	APP'D.	DATE
WORK ORDER NO. P4115			PROJ. - CONTRACT NO.	
SCALES 1" = 40' 1" = 10'			SHEET OF	
DRAWING NUMBER CA-Q92-P4115-L1				



BOTH TANKS TO BE
 INSULATED
 3" - (SIDES & BOTTOM)
 4" - (TOP WITH
 POLYURETHANE
 BOARD.

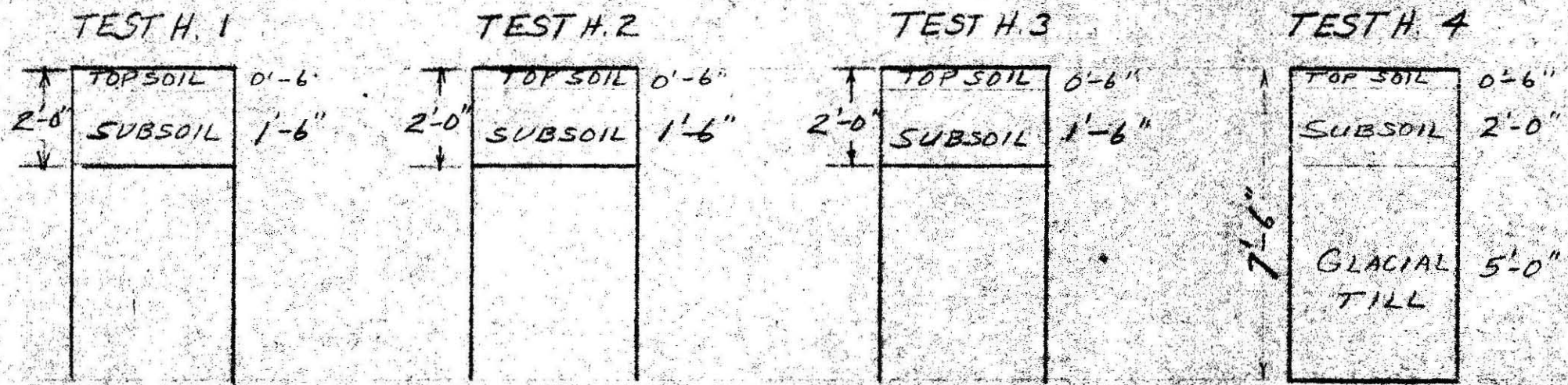
CROSS-SECTION
 SEPTIC TANK
 SYSTEM



Vertical Scale $\frac{3}{4} = 1'$
 Horizontal Scale $\frac{3}{16} = 1'$
 PROJ 324 &
 NEWF - PROJ
 7/16/75

Curtis A. Johnson

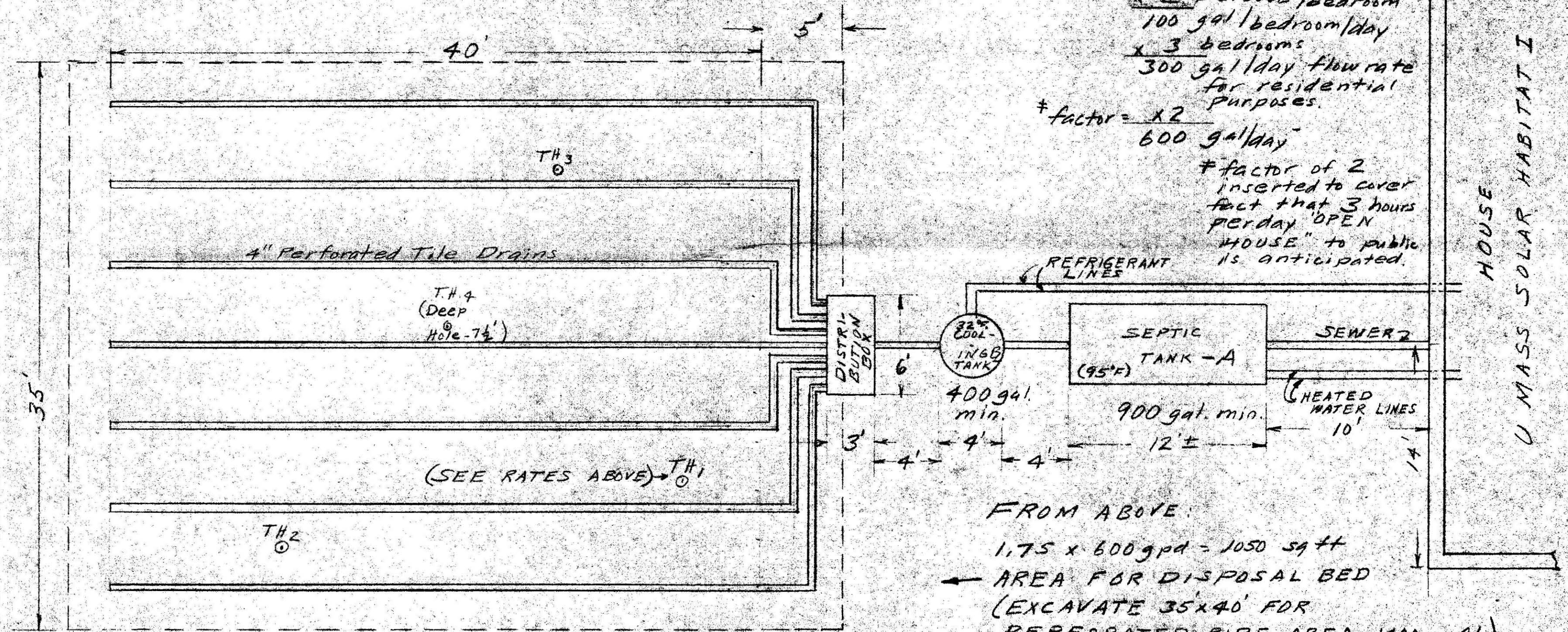
OBSERVATION PITS



GROUND WATER: NONE GROUND WATER: NONE GROUND WATER: NONE GROUND WATER: NONE
 *PERC. RATE 18 MIN/INCH PERC. RATE 19.7 MIN/INCH PERC. RATE 5.5 MIN/INCH PERC. RATE NO TEST

REQUESTED BY: U. MASS - NEWF PROJECT & PROJ 324
 LOCATION: EAST PLEASANT AMHERST, MASS.
 OBSERVER: C. A. JOHNSON
 BACK HOE OPERATOR: EARL TETREULT
 AMHERST PUBLIC HEALTH: CHARLES DRAKE
 DATE: JULY 9, 1975

* SEE SEPARATE TABULAR INFORMATION OF TEST RECORDS.
 ALL PERCOLATION TEST HOLES WERE IN THE RANGE OF 20 MINUTES/INCH DROP OR LESS.
 (FROM MASS STATE SANITARY CODE:)
 P. 20 - 1.75 sq. ft./gal - AREA OF DISPOSAL BED REQUIRED.
 P. 8 - 50 gal/person/day x 2 persons/bedroom x 100 gal/bedroom/day x 3 bedrooms = 300 gal/day flow rate for residential purposes.
 * factor = x 2 = 600 gal/day
 * factor of 2 inserted to cover fact that 3 hours per day "OPEN HOUSE" to public is anticipated.



- A SEPTIC TANK TO BE EXTERNALLY INSULATED WITH 3" BOTTOM & SIDES 4" TOP - WITH POLYURETHANE TO HOLD IT AT 95°F ± 2°
- B COOLING TANK - TO BE SIMILARLY INSULATED TO BE HELD AT 32°F ± 2° I.E. - AN ICE BANK HELD WITHIN IT AT ALL TIMES.

FROM ABOVE:
 1.75 x 600 gpd = 1050 sq ft
 AREA FOR DISPOSAL BED (EXCAVATE 35x40' FOR PERFORATED PIPE AREA = 1400 sq ft.) (NO GARBAGE DISPOSER TO BE USED)
 600 gal/day x 1.5 = 900 gal. min. tank
 ∴ SIZE: - USE 1000 to 1200 gal tank

ENERGY CONSERVING SEPTIC TANK