

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

A/P 522140

AGENCY REVIEW: _____

DATE 5/4/05

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 3 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) ELLEN + JOSEPH W. SULLIVAN

DAYTIME PHONE 443-744-3000 CELL SAME FAX _____

MAILING ADDRESS 17006 HARRY RD. MT. AIRY MD. 21771
STREET CITY/TOWN STATE ZIP

APPLICANT JOSEPH W. SULLIVAN

DAYTIME PHONE 443-744-3000 CELL SAME FAX _____

MAILING ADDRESS 17006 HARRY RD. _____ MT. AIRY _____
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME POPLAR HEIGHTS? LOT NO. 28-30

PROPERTY ADDRESS 17006 HARRY RD. MT. AIRY
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 7 GRID 8 PARCEL(S) 35 PROPOSED LOT SIZE EXISTING

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

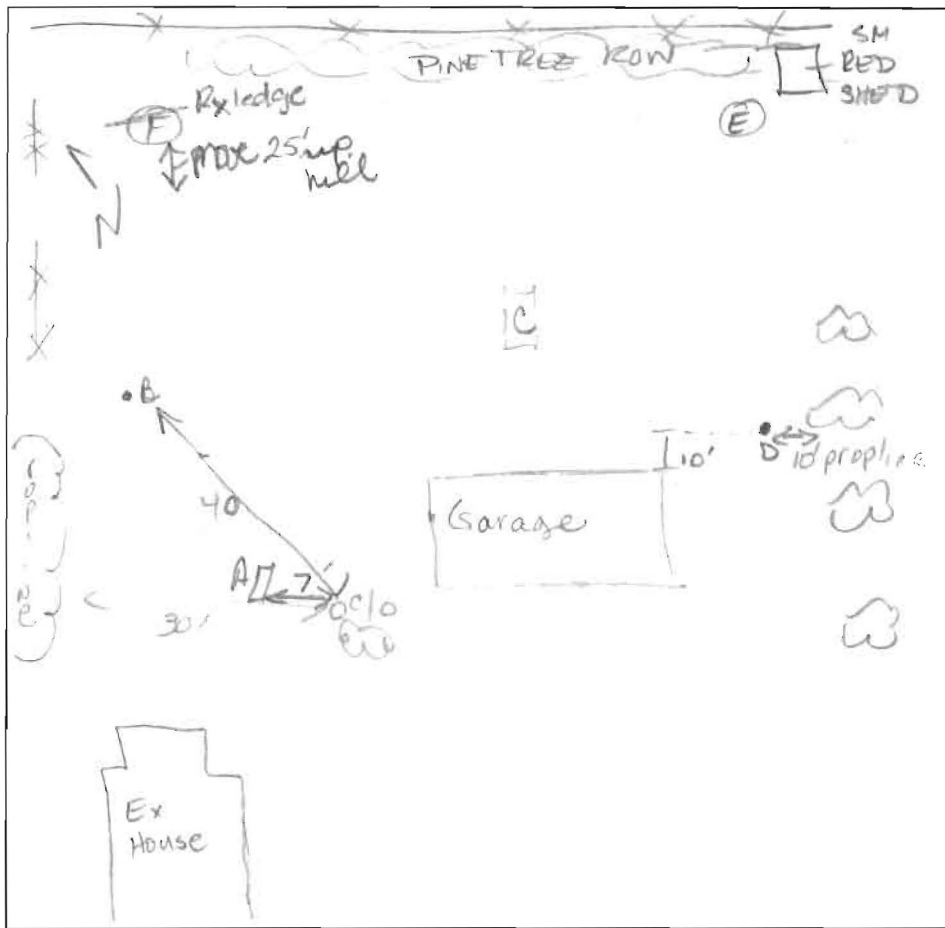
TEST RESULTS WILL BE MAILED TO APPLICANT. _____
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Str org
SiL w/ gr. 2BK
CLSKINS
2'
Str org
NYL
4'
gritty org
Loam
Cobbles 2/15%

D
str org
SiL
18"
Str org
SiL
Macropores
present, LGSBK
6'
str yell
str org
SiL
Loam
SAProlite 2/10%
7 1/2'
Loam w/
↑ Si content
Loam
w/ org
↑ barn (v. f soft)

E
yellow brn
SiL
5'
Crust
frags
2/40%
8'
SiL w/
pockets
SL



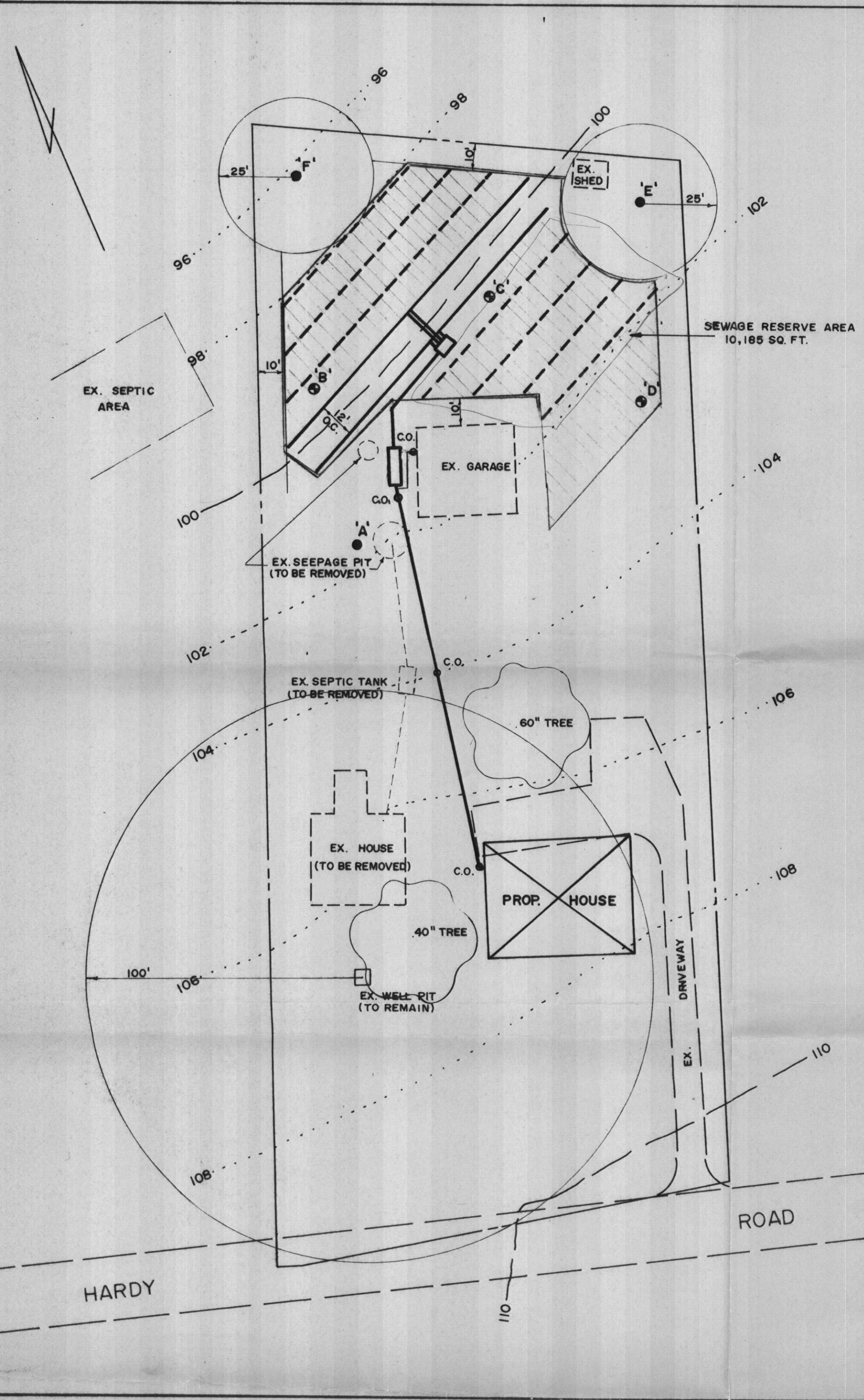
F
Flapline
org brn
LS
Crust frag
2/40%
SL
Crust
Solid
SAP/rock 2/30%
12'

B.
2'
SCL
gritty
Crust
25%
10'
Bottom

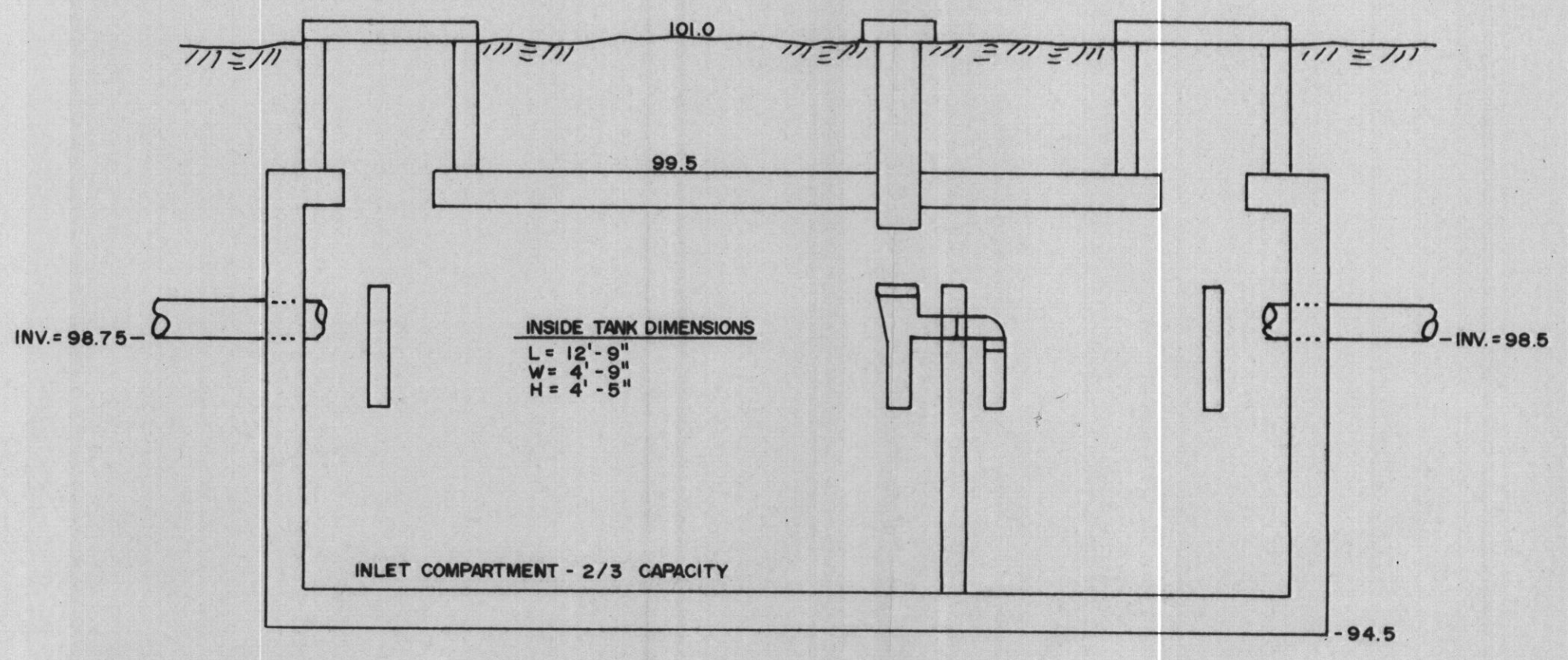
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
5-18-55	A	@ 4 1/2' effluent					
	C	7' 5gal	9:18	9:38	~	B MIN	P
			First 2 gallons absorbed quickly then slowed				
	D	5 1/2' / 12'	9:49	10:05	10:34	29	P
	E	8'	10:13 ⁴⁰	10:19 ³⁰		26	M/P
	E	7 1/2' 5gal	10:40 ¹²	10:43 ³⁵			
		9'	10:54 ⁰⁰	10:56 ⁵⁰			
		3 1/2'	11:05 ¹⁵	11:17		26	
	B	4' 2"	11:42 ⁰⁰	11:44	11:46 ⁵⁰	24	P

REMARKS Ex system to be replaced. P High si i ce; r% ↑
 SANITARIAN Racie BACKHOE owner OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME 15 SQ. FT/BR 240
 TRENCH WIDTH _____ INLET DEPTH 3' MAX. BOT DEPTH 6 EFFECTIVE SW 1'

4 bdrm 240ft² per bdrm



SITE PLAN
SCALE: 1" = 30'



1,500 GAL. TOP SEAM SEPTIC TANK
N.T.S.

GENERAL NOTES

- Field run topo shown is based on assumed datum.
- Approved Test Location: ●
- Disapproved Test Location: ○
- Tax Map 7, Parcel 35
- There are no wells or septic systems within 150 feet of the property other than the one seepage pit shown.
- There are no wells located within 200 feet down grade of the property.
- The existing septic system is to be replaced. The garage restroom to tie into the new system.
- Existing garage restroom sewer invert of 99.21 was determined from Owner provided information.
- Due to shallow rock, replacement area at north end of property, trenches could be only 4' deep with 2' distribution pipe depth.
- The Lot shown hereon complies with the minimum ownership width and Lot area as required by the Maryland State Department of the Environment.
- This area designates a private sewerage easement of 10,000 sf, as required by the Maryland State Department of the Environment for individual sewerage disposal. Improvements of any nature in this area are restricted until public sewer is available. This easement shall become null and void upon connection to a public sewer system. The County Health Officer shall have the authority to grant adjustments to the private sewerage easement, recoordination of a modified sewerage easement plat shall not be required.
- Potable well yield and water quality to be tested prior to issuance of a Use & Occupancy letter.

DESIGN CRITERIA

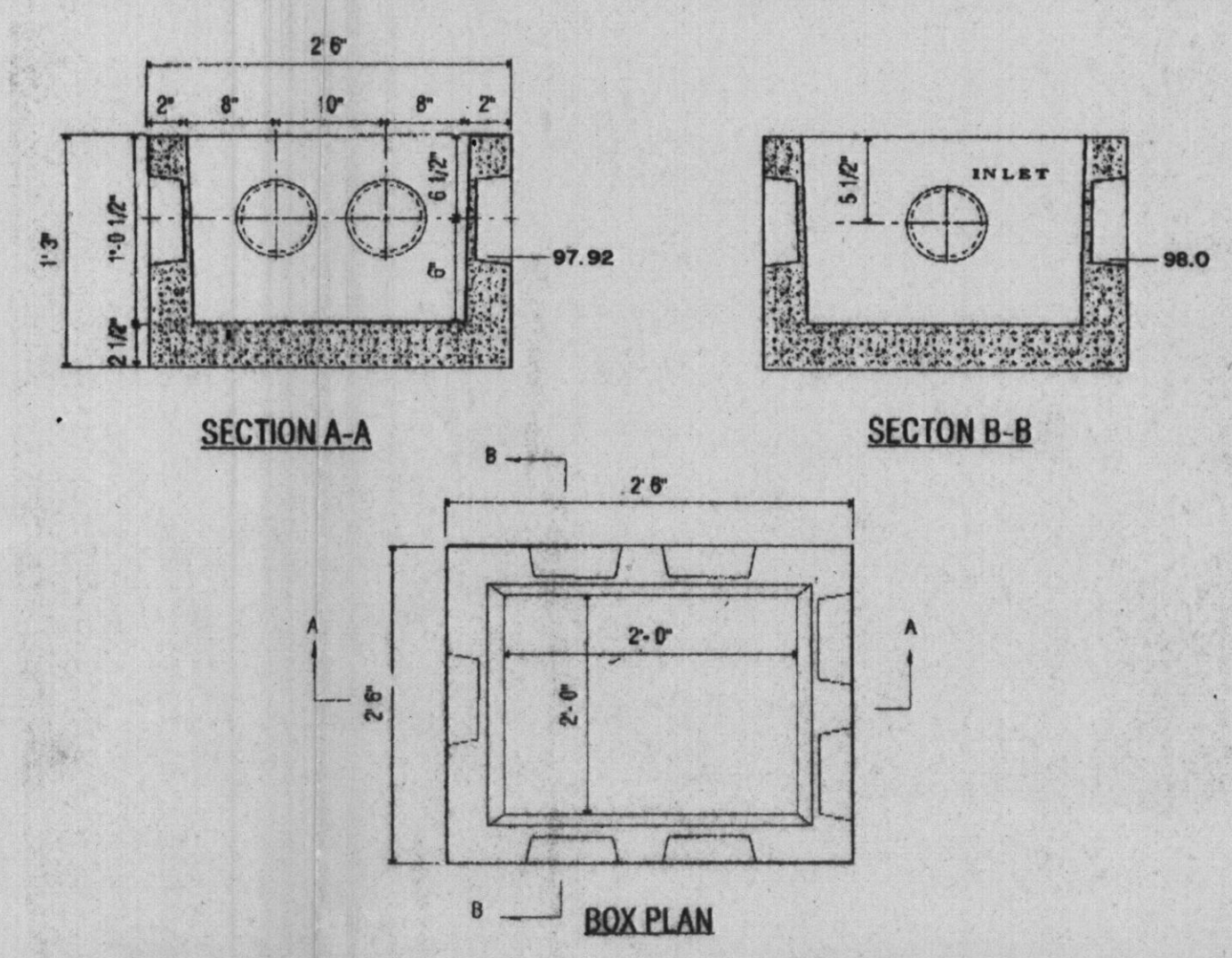
- 4 Bed Rooms x 150 = 600 GPD
- 1 - 1,500 GAL. Top Seam Septic Tank
- 1 - 4 Outlet Distribution Box
- 2 - Trenches: 36" wide x 125' long
Total Trench Area = 750 Sq. Ft.
- 2 - Replacement Areas: 750 Sq. Ft.
Trench Area Each

SOIL TEST

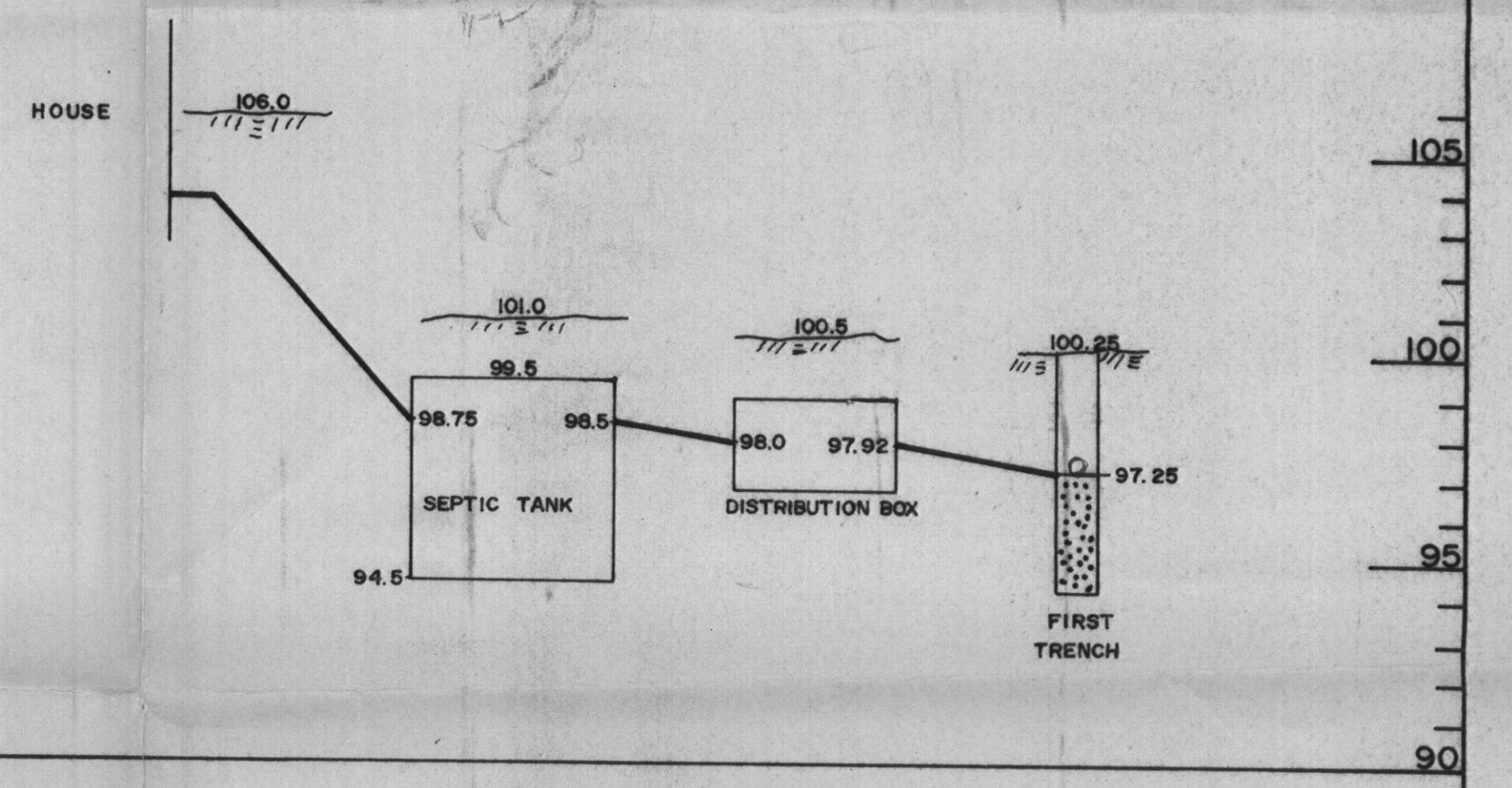
- B - 2 min. @ 4'-2" - ok to 10'
- C - 8 min. @ 7'-0" - ok to 12'
- D - 29 min. @ 5'-5" - ok to 12'
- A - Obs. Hole - Not in Disposal Area - Failed
- E - Not in Disposal Area - Failed
- F - Not in Disposal Area - Failed

SPECIFICATIONS

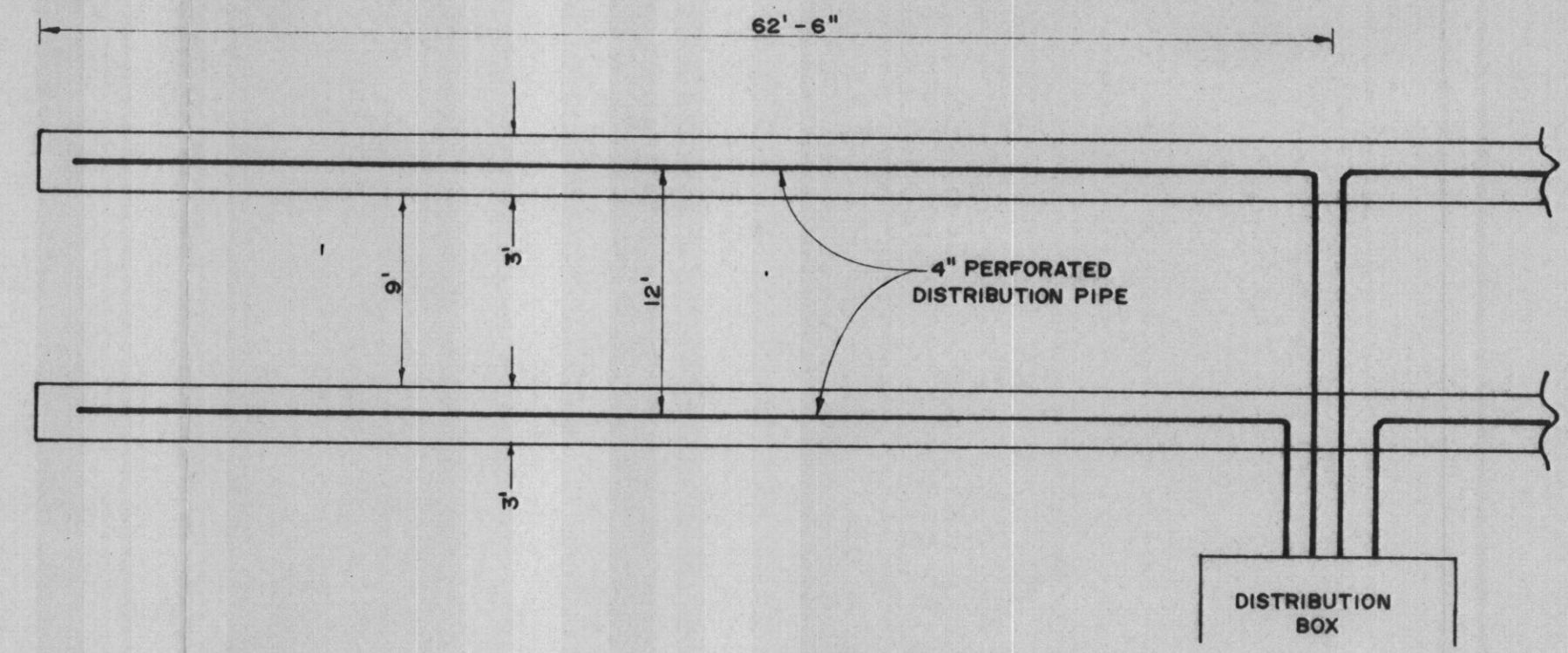
- Tank measurements and elevations are based on septic tanks and pump chambers as manufactured by Mayer Bros., Elkridge, Md. (410) 796-1434.
- All piping to be 4" schedule 40 PVC.
- Stone beds in trenches to be 1/2" to 2 1/2" clean gravel.



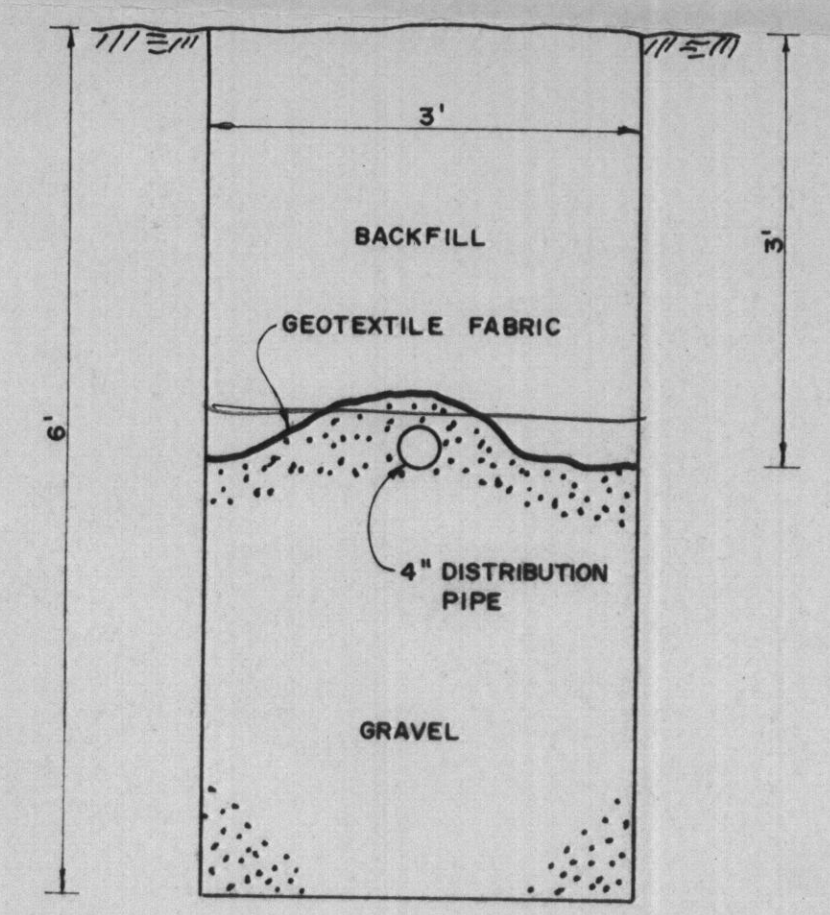
DISTRIBUTION BOX
N.T.S.



HYDRAULIC PROFILE
SCALE: V:1/4"=1'
H:N.T.S.



TRENCH LAYOUT
SCALE: 1/8"=1'



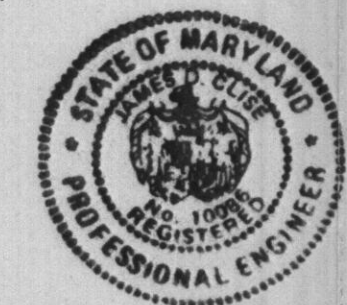
TRENCH DETAIL
SCALE: 3/4"=1'



I certify that I have field located the percolation holes on this property and that they are located as shown hereon.
Richard S. Krebs 6-19-05
Richard S. Krebs, L.S. # 10873 Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.

Robert Walker
for COUNTY HEALTH OFFICER
9/13/05
DATE



James D. Clise

S/E ENGINEERING, INC.
WESTMINSTER, MARYLAND

SCALE: AS SHOWN	APPROVED: J.D.C.	DRAWN BY: R.S.K.
DATE: JUNE, 2005		DESIGN BY: J.D.C.
JOSEPH SULLIVAN		
17006 HARDY ROAD - HOWARD COUNTY		
PERCOLATION CERTIFICATION PLAT/BUILDING SITE PLAN		DRAWING NO. 1 OF 1