

9/29/98  
2:00  
9:30-98  
1:00-2:00  
10/19/98 House Conn  
11-30

# PERMIT

9/30/98 Needs house  
conn  
10/19/98 has house  
conn KM  
P 511007

## SEWAGE DISPOSAL SYSTEM

A 48735

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 410-313-2640

DATE 9/25/98

DATE SYSTEM APPROVED 10/19/98

INSPECTOR KM

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Road Westminster, Maryland 21157 PHONE (410) 875-4197

SUBDIVISION West Friendship Estates LOT 95 ROAD 3317 Fox Valley Drive

PROPERTY OWNER Altieri Homes

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet <sup>5</sup> feet below original grade. Bottom maximum depth 6.05 feet below original grade. Effective area begins at 4.0 feet below original grade. 1.520 feet of stone below distribution pipe.

LOCATION - Begin trenches 210 feet up the 294.06' lot line and 10 feet off that same lot line as seen when facing the lot from Fox Valley Drive. Run trenches on contour toward the rear lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR

PLANS APPROVED BY Amy McMillen DATE 7/02/98

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

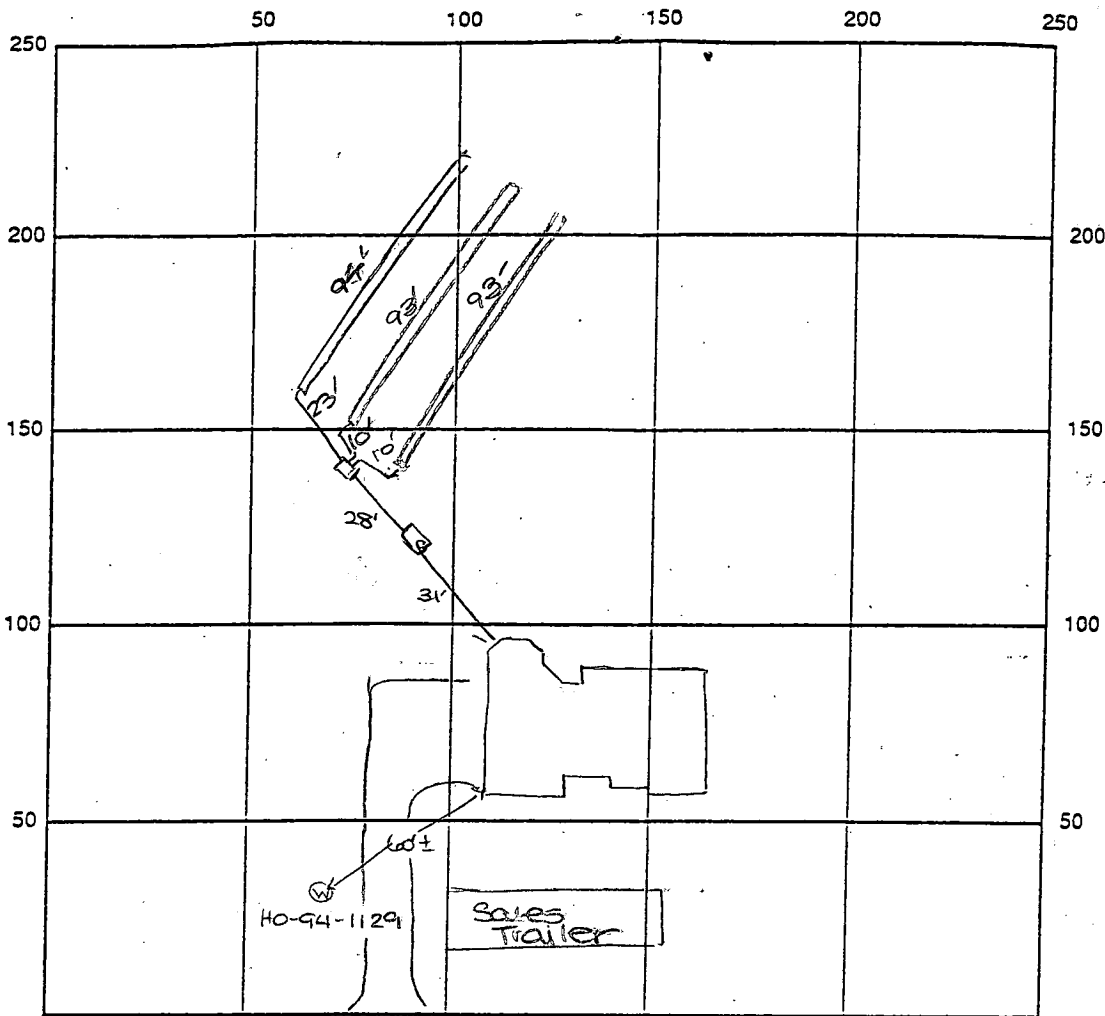
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A 48735



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
Fox Valley Drive

SEPTIC TANK LEVEL OK-1250 gal CLEANOUTS one on st.

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 5.9 | 293 FT. TRENCH WIDTH 3 FT. INLET DEPTH 7 | 293 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 2x93 FT. → 280  
1x94

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 9/29/98 Needs house connection. OK to cover from  
2' off house to dist. box. (Depth of system modified due  
to contractor's request - septic tank set 1' too deep -  
request granted). OK to continue. DKS

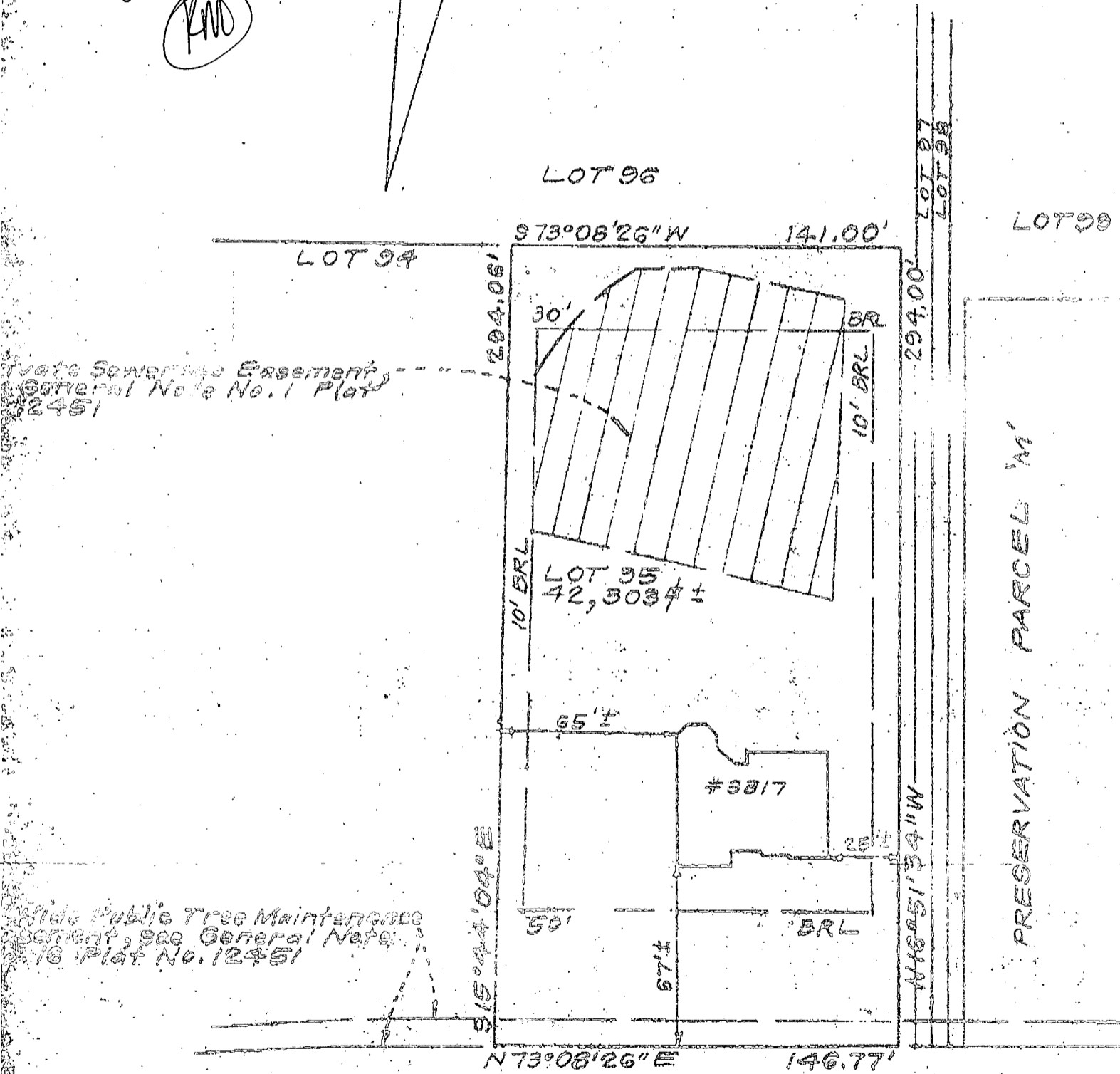
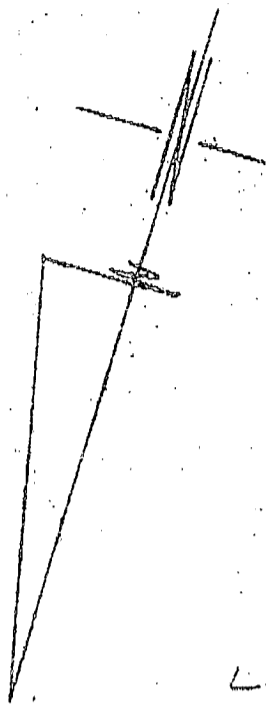
9/30/98 OK to cover all septic work - needs house conn. DKS

10/19/98 house connection seen in basement, cleanout cap unable to be removed (too tight!) KM

DATE SYSTEM APPROVED 10/19/98 INSPECTOR Kim Maize

9/30/98 WPI - well line, P.A. 5' below grade, well casing  
1' above grade, 2 piece screen vented cap installed,  
PVC conduit pipe OK - OK TO COVER. DKS

9/14/98  
Wall check ok  
as shown  
**(KNO)**



Private Sewerage Easement  
General Note No. 1 Plat  
#2451

Public Tree Maintenance  
Easement, see General Note  
#16 Plat No. 12451

FOX VALLEY

(50' R/W)

DRIVE

PRESERVATION PARCEL 'M'

# APPLICATION

PERCOLATION TESTING

A 48735  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

DISTRICT \_\_\_\_\_  
DATE 12/8/92

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER West Friendship New Town Co. AITICKI HOMES

ADDRESS c/o Land Design & Development PHONE (410) 740-2100  
10805 Hickory Ridge Road, Columbia, MD 21044

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION West Friendship Estates LOT NO 48 95

ROAD AND DESCRIPTION Pfefferkorn Road & Route 32 (3317 FOX VALLEY DRIVE)

BLDG. PERMIT SIGNED

~~AND RETURNED 7-2-92~~

Build # B0112533

4/Bom

TAX MAP 15 PARCEL # 32 & 42, 533

SIZE OF LOT 1 + acres TYPE BLDG single family dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Mark S. Reich

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

HD-216

# THIS IS NOT A PERMIT



# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

\_\_\_\_\_  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

48735

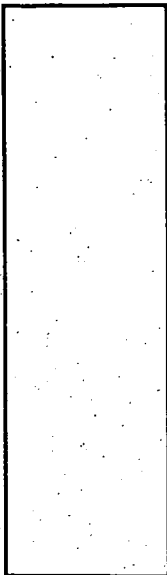
LOT # 4A

New 90

COUNTY #

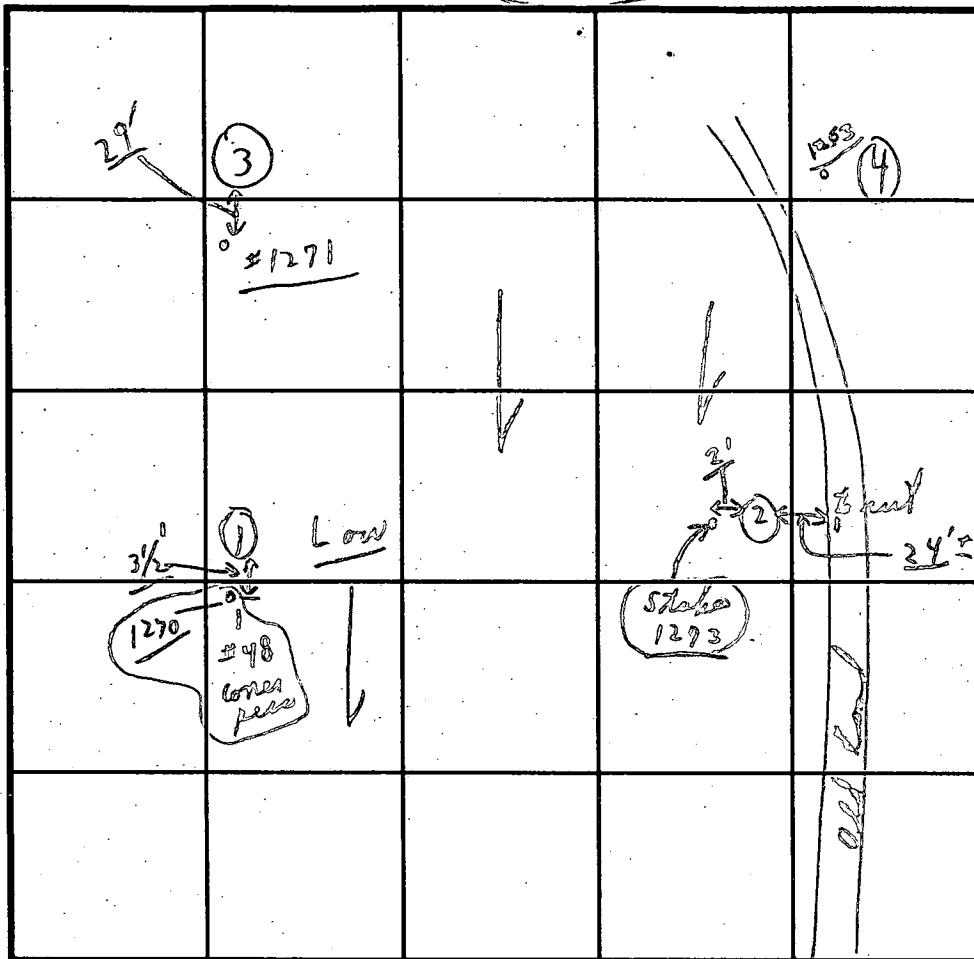
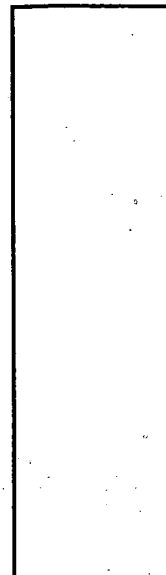
SOIL PROFILE

0'



SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

*Spelshorn road*

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/14/92	3	29'		#47			
	4	3 1/2'	X X	X (Needle layer)	10:37	10:37	30 min
	1	13 1/2'		6 to 13 1/2' Loam			30 min
	2	4'	10:44	10:47	10:47	11:00	13 min
	2	12'-3"		Loam			No stone

10:37  
30 min  
shallow over  
stop  
↑  
30 min

REMARKS

Tests in open, tests as dug (No holes to see further than 150' depth)

TYPE OF SOIL

Shallow system on top of

TESTED BY

C. Red

ALSO PRESENT

+ his man

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

12 min

TRENCH WIDTH

3'

INLET DEPTH

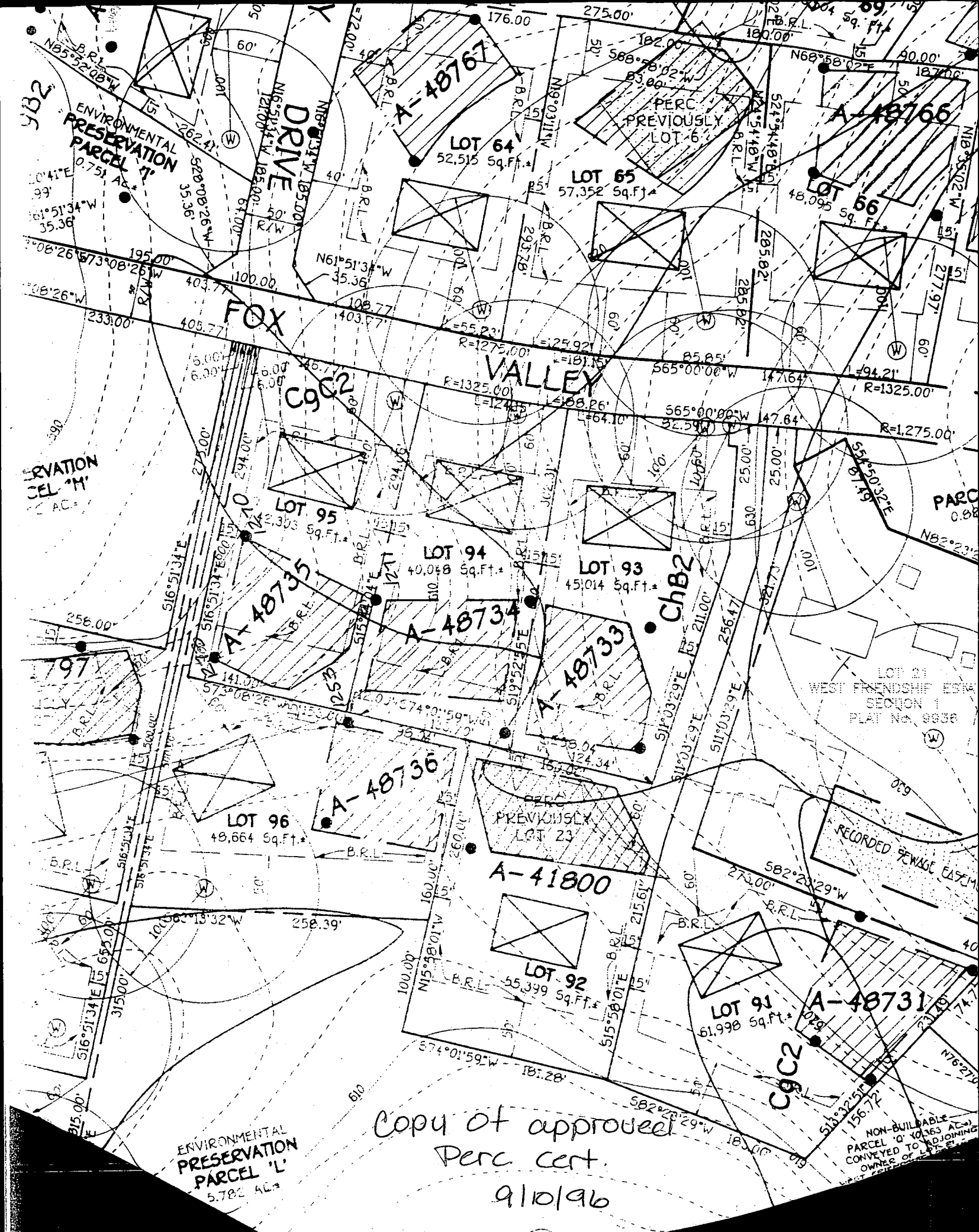
4'

MAXIMUM BOTTOM DEPTH

6'

SQ. FT./BEDROOM

210



Copy of approved  
 Perc cert.  
 9/10/96

NON-BUILDABLE  
 PARCEL (0.10363 AC.)  
 CONVEYED TO ADJOINING  
 OWNER OF LOT 91

MATCH

LINE

SEE

FOX

VALLEY

573°08'26"W  
 528°08'26"W  
 35.36'  
 10' PUBLIC TREE MAINTENANCE EASEMENT PRESERVATION PARCEL 'M' IS ENCUMBERED BY A PUBLIC STORMWATER MANAGEMENT, DRAINAGE AND UTILITY EASEMENT ENVIRONMENTAL PRESERVATION PARCEL 'M' 1.622 AC. PRESERVATION PARCEL 'M' OWNED AND MAINTAINED BY HOMEOWNER'S ASSOCIATION

LOT 95  
 42,303 Sq.Ft.\*

LOT 94  
 40,048 Sq.Ft.\*

LOT 93  
 44,854 Sq.Ft.\*

LOT 99  
 61,273 Sq.Ft.\*

LOT 96  
 48,664 Sq.Ft.\*

LOT 92  
 55,559 Sq.Ft.\*

LOT 91  
 61,998 Sq.Ft.\*

LOT 98  
 46,116 Sq.Ft.\*

LOT 97  
 42,303 Sq.Ft.\*

Approved  
 F-95-183

24' WIDE PRIVATE USE-IN-COMMON DRIVEWAY ACCESS EASEMENT ACROSS LOTS 97, 98 AND 99 AND PRESERVATION PARCEL 'M' FOR THE USE AND BENEFIT OF LOTS 96, 97, 98 AND 99. MAINTENANCE AGREEMENT RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

ENVIRONMENTAL PRESERVATION PARCEL 'L' 5.782 AC. PRESERVATION PARCEL 'L' OWNED AND MAINTAINED BY HOMEOWNER'S ASSOCIATION

25' WETLAND BUFFER

24' WIDE PRIVATE DRIVEWAY ACCESS EASEMENT ACROSS FOR THE USE AND BENEFIT MAINTENANCE AGREEMENT LAND RECORDS OF HOWARD COUNTY, MARYLAND.

EXISTING AND EGGS ALONG AT THE RESIDENCE BE PRE SUBDI WILL THIS

NON-BUILD PARCEL 'O' CONVEYED TO OWNER OF WEST FRIENDS PLAT No. 9936 OF THE

993.72'  
 546°52'10"W

EGRESS

RESTRICTED

1303.88'

ROUTE

C1 6031 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A48735

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED 6/16/97 DATE WELL COMPLETED 6 5 97 Depth of Well 125 PERMIT NO. HD-94-1129

OWNER Alteri Homes STREET OR RFD Fox Valley Drive TOWN W. Friendship SUBDIVISION W. Friendship Est SECTION II LOT 95

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shell, mica, Blue rock, White Flint, and GOT water.

GROUTING RECORD Form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (C.M., B.C.), NO. OF BAGS 31, NO. OF POUNDS 2114, GALLONS OF WATER 186, DEPTH OF GROUT SEAL 105 ft.

CASING RECORD Form: casing types insert appropriate code below (S, C, P, O), MAIN CASING TYPE (5 1/2, 6 1/4), Nominal diameter 6 1/4", Total depth 107

OTHER CASING (if used) Form: diameter, depth (feet) from to

SCREEN RECORD Form: screen type or open hole (S, B, H, P, O), DEPTH (nearest ft.) 106, 125

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y, N)

CIRCLE APPROPRIATE LETTER: A (Well abandoned), E (Electric log obtained), P (Test well converted to production well)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. MED 143 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M D

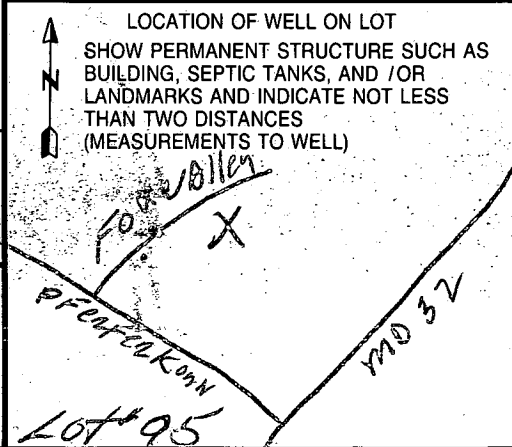
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) 106, 125. DIAMETER OF SCREEN (NEAREST INCH) 56, 60. GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

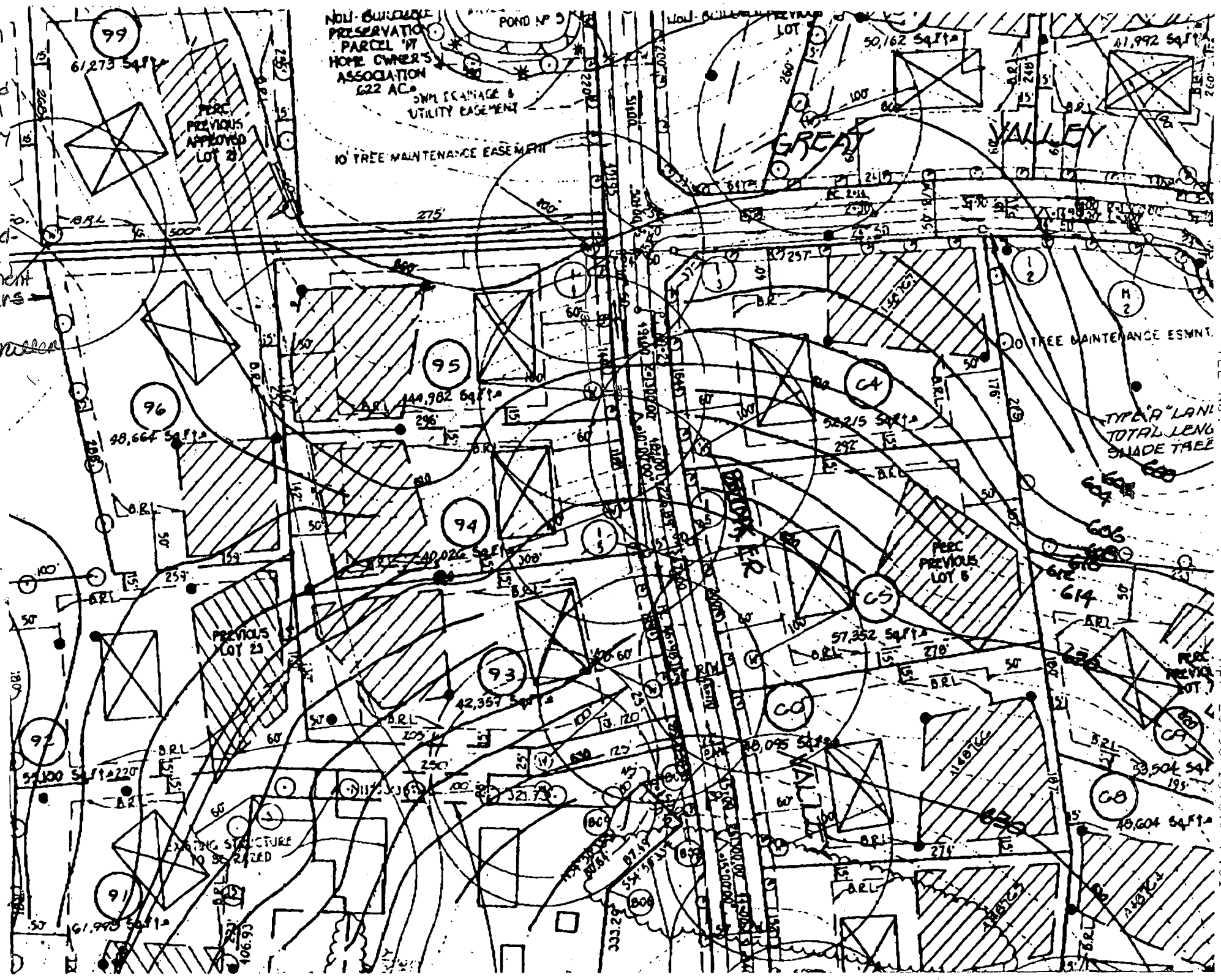
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST Form: HOURS PUMPED 3, PUMPING RATE 17 gal. per min., METHOD USED TO MEASURE PUMPING RATE Submersible, WATER LEVEL (distance from land surface) BEFORE PUMPING 36 ft., WHEN PUMPING 42 ft., TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED Form: DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED (A, C, J, P, R, S, T, O), CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31, 35, PUMP HORSE POWER 37, 41, PUMP COLUMN LENGTH (nearest ft.) 43, 47, CASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below, LAND SURFACE 2 (nearest foot)



47-97  
Site  
not  
staked  
ALM  
5/2/97  
Well  
site  
OK as  
staked-  
Septic  
easement  
appears  
OK  
A.M.M.



NON-BUILDABLE  
PRESERVATION  
PARCEL BY  
HOME OWNERS  
ASSOCIATION  
622 AC  
SWM DRAINAGE &  
UTILITY EASEMENT  
10' TREE MAINTENANCE EASEMENT

GREAT VALLEY

PREVIOUS  
LOT 21

PERC  
PREVIOUS  
LOT 6

STARTING STRUCTURE  
TO BE RAZED

TYPICAL LAND  
TOTAL LENGTH  
SHADE TREE

**Approved Septic System Plan**  
**Howard County Health Department**

required 280 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 6.0 feet

Depth of stone required below  
distribution pipe 2.0 feet

*Amy M. Melle* 7/2/98  
Signature Date

Septic Easement

Septic Easement

S 73° 05' 26" W 153.00'

NOTE LOT 95 is not sewer by grade

PRESERVATION PARCEL 'M'

NATHAN MARSH (REV.)  
FF 610.02 FF 610.25  
2 602.47

Distribution Box  
Ex. Grd. 606.0  
Inv. In 602.0

1280 Gal. Septic Tank  
Inv. In 603.7  
Inv. Out 603.4



FOX 48

VALLEY

DRIVE

10' Public Tree Maint. Esmt

SC E072

21" RCP

50' DIA

25'

