

W.P.D. 9/24/99  
early AP  
10/8/99 11-12

# PERMIT 03-321983

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 512719

A 41797

DISTRICT \_\_\_\_\_

DATE 9/22/99

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 12/22/99

INSPECTOR *R.P. Pinkley*

# INDEXED

S&K Plumbing IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 1220 FSK Highway, Keymar, MD 21757 PHONE 301-898-0955

SUBDIVISION West Friendship Estates LOT 99 ROAD 3333 Fox Valley Drive

PROPERTY OWNER Altieri Homes

ADDRESS \_\_\_\_\_ **BUILDING PERMIT SIGNED**

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240 ✓

**AND RETURNED**  
54705 800153881 - PORCH + DECK

TRENCHES - Trench to be 3 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 2.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 166.99' and 258.00' lot lines, begin trenches 100 feet up the 166.99' lot line and 175 feet off that same lot line. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 8/24/99 on SRU

PLANS APPROVED BY Amy McMillen DATE 8-17-1999

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

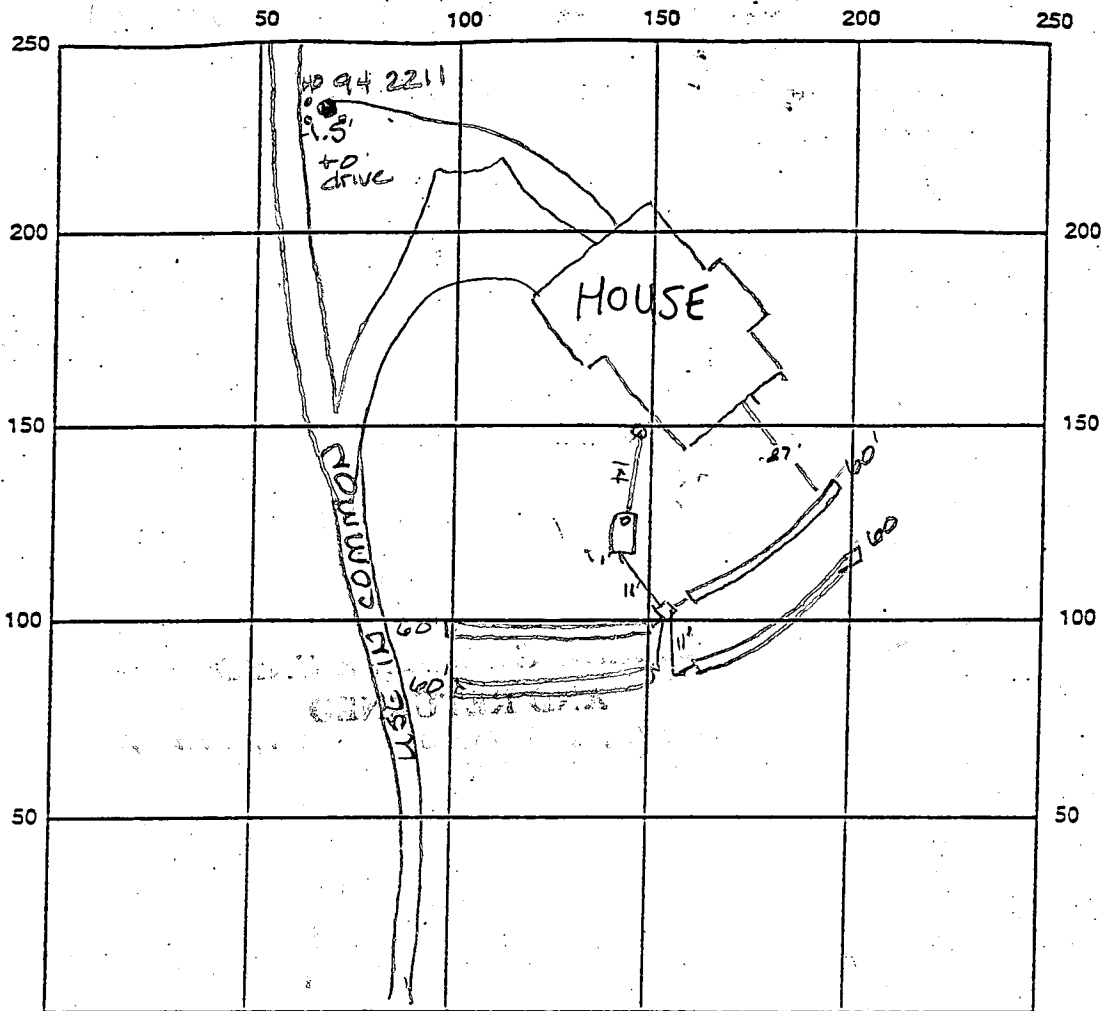
PERMIT VOID AFTER TWO YEARS

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**

411797



FOX VALLEY DR INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 4.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 2.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 10/2/99 OK for all work - house connection

not made per house check OK - RP 12/22/99

However, post around well is dug shallow (only 1ft deep in soft soil) and pushed over - this is

not adequate well protection. RP 12/22/99 4" pipe set in 36" hole of concrete OK protection OK release FOP RP 12/29/99

DATE SYSTEM APPROVED 12/22/99 INSPECTOR Ronell Pinkley

# APPLICATION

PERCOLATION TESTING

A 41797  
P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 ALTIERI HOMES

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

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION: Final Lot - 7A 92

SUBDIVISION Indians Gun Sec II LOT NO. 23 99

ROAD AND DESCRIPTION Pfefferkorn Road (3333 Fox Valley Drive) 102

CO. PERMIT SIGNED

AND RETURNED 8/7/99  
Serial # 119605

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

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. SFD - 4 Buns  
(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 \_\_\_\_\_

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

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

REASONS FOR REJECTION OR HOLDING 7-24-89 No change to septic easement. JEN

HD-216

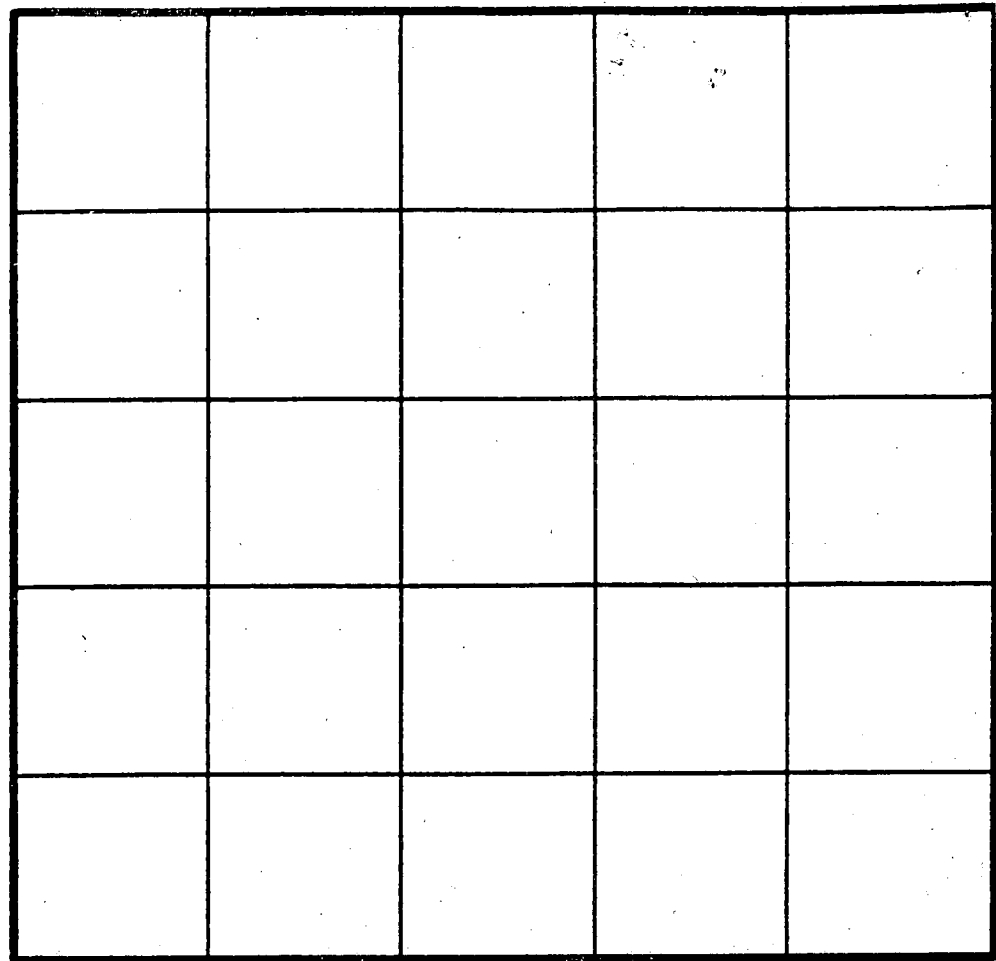
# THIS IS NOT A PERMIT

H-1  
SOIL PROFILE

0-3.5 Rd s  
cl 1m

3.5-12.5 Tan-br  
mica  
sa s  
1m  
215%  
decomp  
rock

12.5 Bottom-  
dry



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-24-89	H-1	12.5 V	Bottom-dry				ok

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY J. Nadeau

ALSO PRESENT Phil Woffly

# APPLICATION

PERCOLATION TESTING

A 41797

P \_\_\_\_\_

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

DISTRICT 3RD

DATE 3/10/88

1989  
Wet season  
Retest  
8-26-88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

AND TEST

(2 Low hole visual w/ possible Adjustment)

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

PROPERTY OWNER PRISCILLA CLAGETT AND AVIS PFEFFELKORN

ADDRESS 14000 CASTLE BOULEVARD SILVER SPRING MARYLAND 20904 PHONE 202-890-6077

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION: Final Lot-24 Prelim lot-23

SUBDIVISION BUENA VISTA FARM ESTATES LOT NO. A Sec-2

ROAD AND DESCRIPTION EAST SIDE OF PFEFFELKORN ROAD, NORTHWEST OF MD ROUTE 32

TAX MAP 22 PARCEL # 8

SIZE OF LOT 3.0 AC TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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Priscilla S. Clagett  
(SIGNATURE OF APPLICANT)

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

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

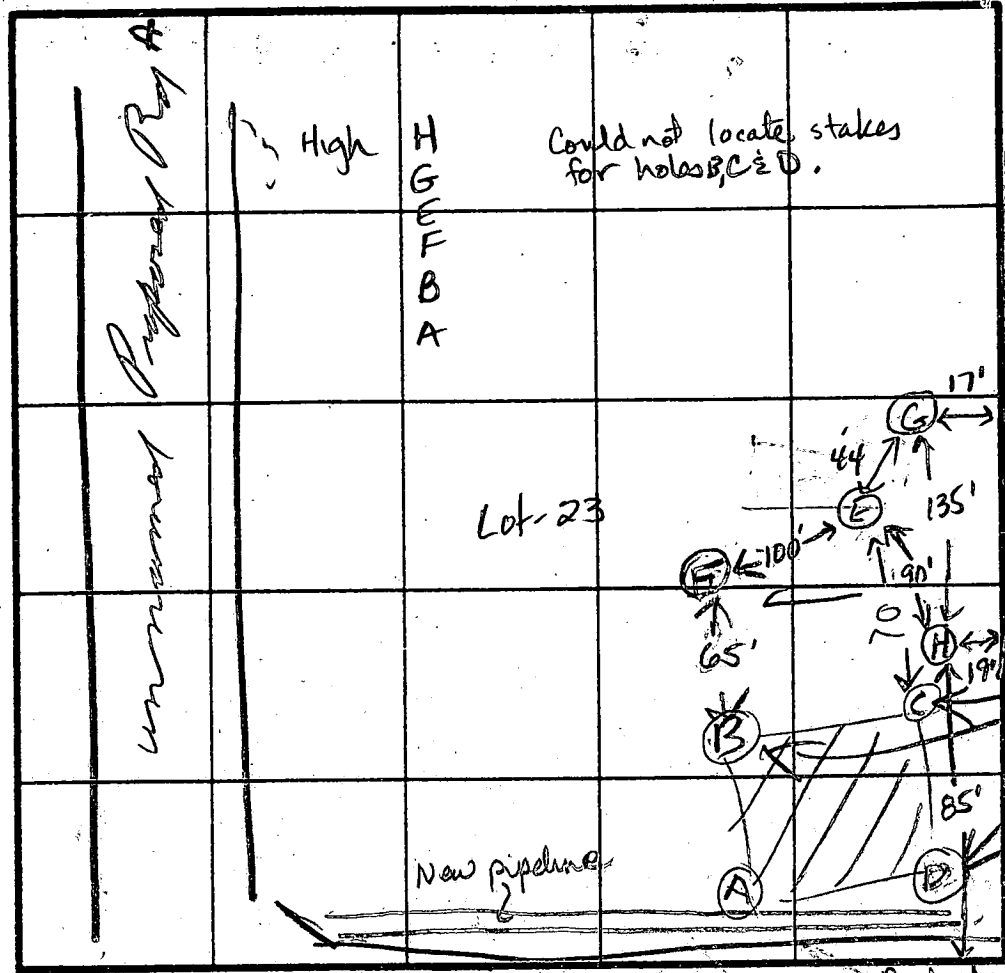
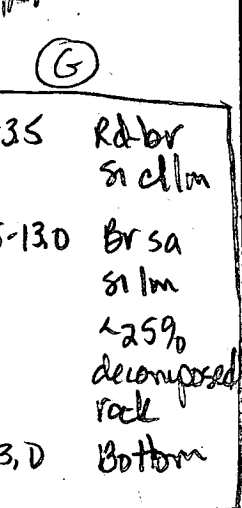
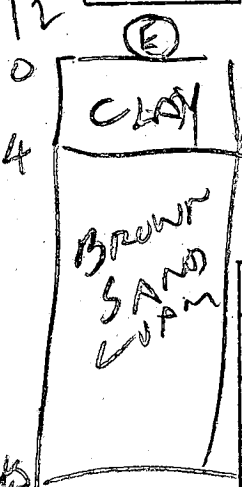
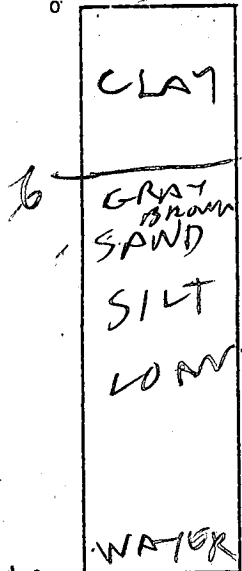
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 8/17 If Dig more wet season RH  
8-26-88 Hold for wet season. Need more area. JEN

# THIS IS NOT A PERMIT

Lot 4 A41797  
 Sept

(F) SOIL PROFILE



Could not locate stakes for holes B, C & D.

0-2.5 Rd br si cllm, tr of broken rock <math>\lt; 10\%</math>  
 2.5-12.5 Br sa silm, <math>\lt; 40\%</math> decomposed rock  
 12.5 Bottom

SURVEY STAKES

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Peffercorn Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/17/88	(F)	12	UNSAT		WATER		
8/17/88	E	14.5	OK		but near House		
8-26-88	G	3.5 S	1:17	1:18	1:18	1:21	3min
		13.0 D	(see profile)				Hold - wet season
	H	4.0 S	1:24	1:32	1:32	1:52	20min
		12.5 D	(see profile)				Hold - wet season

REMARKS: Holes (E) & (F) not dug per Survey Plot because of Pipeline R/W. Hold for wet season.

TESTED BY: B. Hodges

ALSO PRESENT: Jim Peffercorn  
 Paul & Philip Bradford

# APPLICATION

PERCOLATION TESTING

A 41797  
P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 \_\_\_\_\_

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

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

*Final 24 ~~Prelim~~ lot 23*

SUBDIVISION Indian's Own (Buena Vista) LOT NO. 4 Sec-2

ROAD AND DESCRIPTION Pfefferkorn Road

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

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

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(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 3-10-89 For perc hole locations and subdivision

plat approval. SHALLOW SYSTEM ONLY. JEN

HD-216

# THIS IS NOT A PERMIT

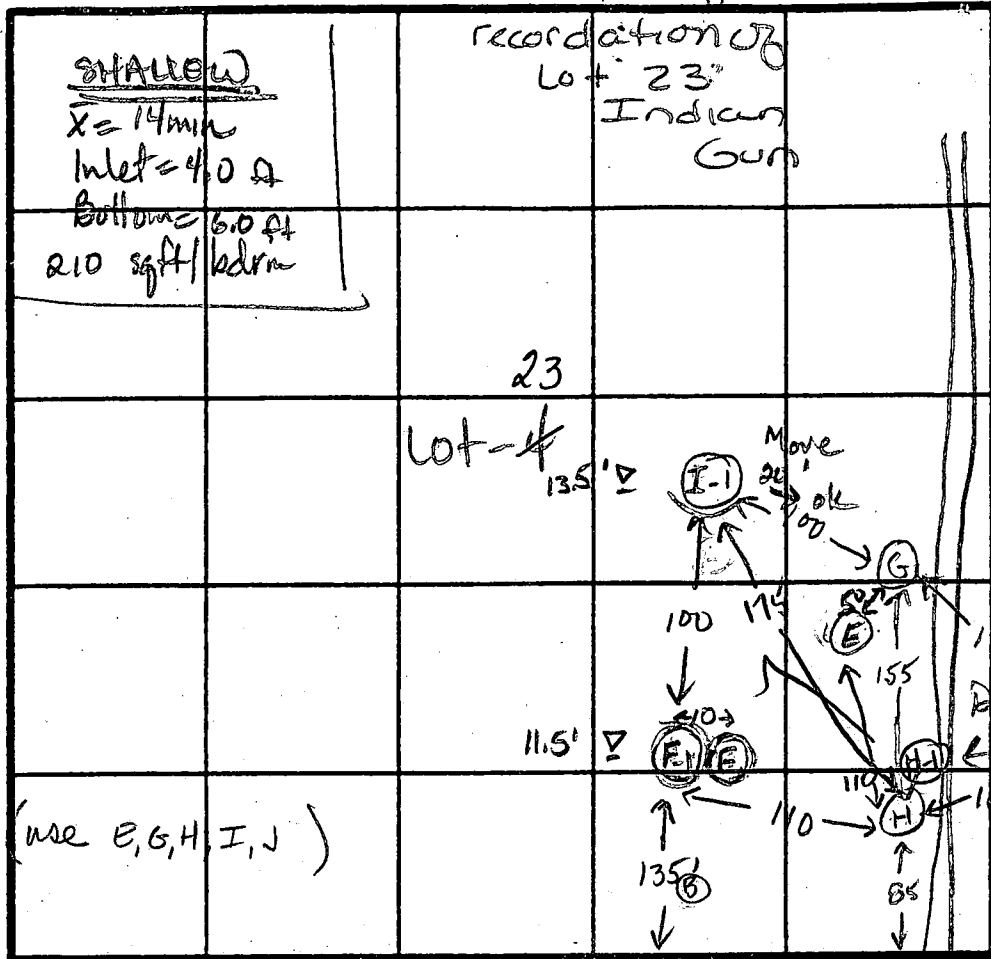
A 41797

Perc holes used for

High  
I  
H  
G  
E  
F, F1  
Low  
I-1



0-4.0 Rcl-br si cl lm  
4-12.5 Rcl-br cl sasi lm, some lenses of Saprolite  
Water at 11.5 ft  
12.5 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. (edge)

Pfefferkorn Rd

0-4.0 Rcl-br si cl lm  
4-13.5 Tan sa si lm, <10% rx frag  
13.5 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-10-89	B-1	6.0 S	12:42	12:58 16 min	12:58	1:28 3/4 in	slow
		12.5 D	(water at 11.5 ft)				Failed
	I-1	6.0 M	1:37	1:46	1:46	2:06	20 min
		4.5 S	12:52	1:04	1:04	1:31 1/4 in	slow
		13.5 D	(water at 13.5' < 20% break)				ok
	B	NEVER excavated					
	J	13.5 V	(See profile)			Dry	ok

SHALLOW SYSTEM ONLY

REMARKS old B hole was never excavated. Actual location destroyed by pipeline works in 8-88

TYPE OF SOIL 0-4 Rcl-br si cl lm, 4-13.5 Tan sa si lm, <10% rx frag

TESTED BY Jane E. Nadeau ALSO PRESENT Phil Worthy

COUNTY #

SOIL PROFILE 1012

0' red  
brn  
CL

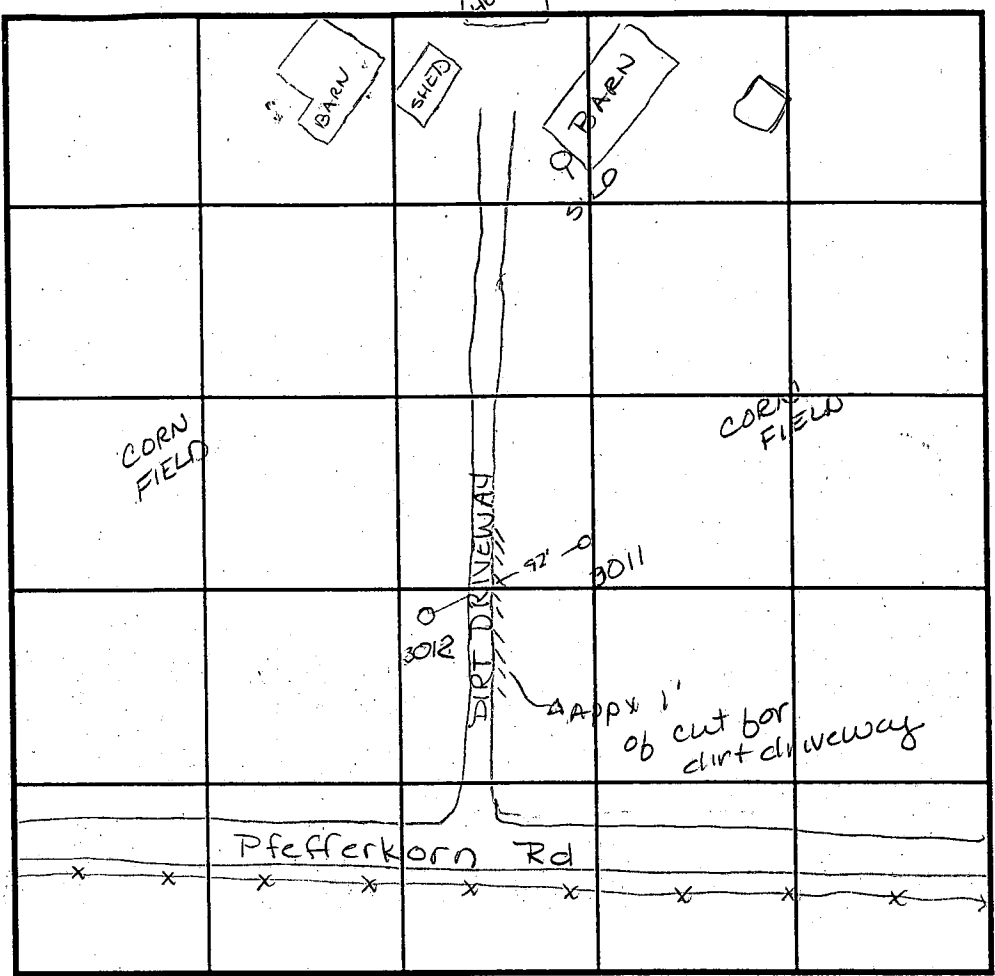
4' yellow  
brn  
sil  
mica

7' yellow  
brn sil  
mica  
50%  
decayed  
shale  
OK

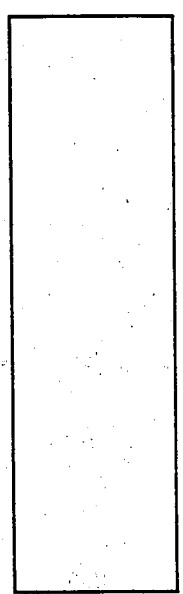
3014  
orange  
red  
CSIL

4' pink  
sil  
yellow  
mottle  
like  
spots.  
color  
from  
parent  
rock  
0-5%  
rock  
OK

12'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-15-95	3012	4' / VII'	10:07	10:08 <sup>15</sup>	10:08 <sup>15</sup>	10:10	1 3/4 min
	3011	4' / VI2'	10:13 <sup>30</sup>	10:15	10:15	10:17	2 min

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

7068

SEQUENCE NO. (MDE USE ONLY)

# STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER A41797

ST/CO USE ONLY  
DATE Received  
MM DD YY  
8 13

DATE WELL COMPLETED  
MM DD YY  
01 20 99

Depth of Well  
22 200 26  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
NO-94-2211

OWNER Atteri Homes  
STREET OR RFD Fox Valley Dr TOWN W Friendship  
SUBDIVISION W. Friendship Est SECTION II LOT 99

**WELL LOG**  
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Overburden	0	30	
Soft Shale	30	82	
Gray Rock	82	200	x

water at 94 & 245'

**GROUTING RECORD**

WELL HAS BEEN GROUTED (Circle Appropriate Box)  YES  NO

TYPE OF GROUTING MATERIAL (Circle one)  
CEMENT  BENTONITE CLAY

NO. OF BAGS 20 NO. OF POUNDS 2000

GALLONS OF WATER 120

DEPTH OF GROUT-SEAL (to nearest foot)  
from 0 ft. to 80 ft.  
(enter 0 if from surface)

**CASING RECORD**

casing types insert appropriate code below

ST STEEL  CO CONCRETE  
 PL PLASTIC  OT OTHER

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 87

**OTHER CASING (if used)**

diameter inch depth (feet) from to

**SCREEN RECORD**

screen type or open hole (insert appropriate code below)

ST STEEL  BR BRASS  HO OPEN HOLE  
 PL PLASTIC  OT OTHER

**DEPTH (nearest ft.)**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_

DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH)  
from \_\_\_\_\_ to \_\_\_\_\_

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED  YES  NO

CIRCLE APPROPRIATE LETTER  
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MWD 399  
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
Wynn Powell  
LIC. NO. 241

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

GRAVEL PACK (IF WELL DRILLED) \_\_\_\_\_  
WAS FLOWING WELL \_\_\_\_\_  
INSERT F IN BOX 68 \_\_\_\_\_

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
T (E.R.O.S.) W Q  
70 \_\_\_\_\_ 72 \_\_\_\_\_ 74 75 76 \_\_\_\_\_  
TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**

**PUMPING TEST**

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 11.5

METHOD USED TO MEASURE PUMPING RATE Schmidt

WATER LEVEL (distance from land surface)  
BEFORE PUMPING 20 ft.  
WHEN PUMPING 77 ft.

TYPE OF PUMP USED (for test)  
 A air  P piston  T turbine  
 C centrifugal  R rotary  O other (describe below)  
 J jet  S submersible

**PUMP INSTALLED**

DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) YES  NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

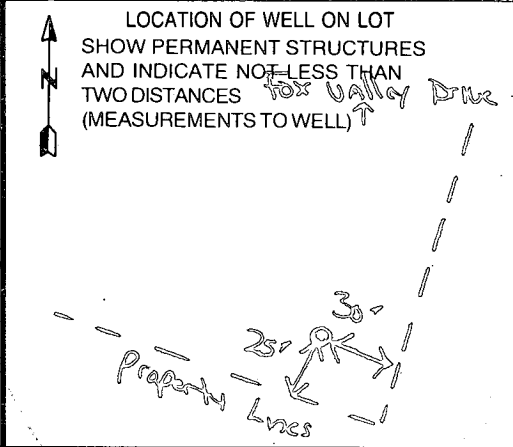
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 29

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 } LAND SURFACE  
 - below } (nearest foot) 1



B 1 0661

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO - 94 - 2211 fill in this form completely

Date Received (APA) 022699

OWNER INFORMATION

Alter Homes, 9017 Red Branch Rd, Columbia MD 21045

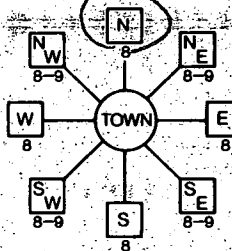
B 3 HOWARD LOCATION OF WELL

8 COUNTY Howard, 23 SUBDIVISION Fox Valley W. Friendship Estates, SECTION 44 46, LOT 48 50

DRILLER INFORMATION

Driller's Name Paul M. Fabiszak, License No. M W D 3 9 9, Firm Name G. Edgar Harr Sons' Corp, Address 12047 Falls Rd Cockeysville 21030, Signature Paul M. Fabiszak, Date 2/24/99

B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



3333 Fox Valley Drive NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD ENTER FT. OR MI 38 39

B 2 WELL INFORMATION APPROX. PUMPING RATE 5 (GAL. PER MIN.), AVERAGE DAILY QUANTITY NEEDED 750 (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled), F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION), I INDUSTRIAL, COMMERCIAL, DEWATERING, P PUBLIC WATER SUPPLY WELL, T TEST, OBSERVATION, MONITORING, G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County A 41797 COUNTY NAME COUNTY NO., STATE SIGNATURE, DATE ISSUED 03/29/99, EXP. DATE 3/30/00, NORTH GRID 520 000, EAST GRID 800 000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN, AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary), CABLE REVERSE-ROTary DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled), Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED, S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS, D THIS WELL WILL DEEPEMED AN EXISTING WELL

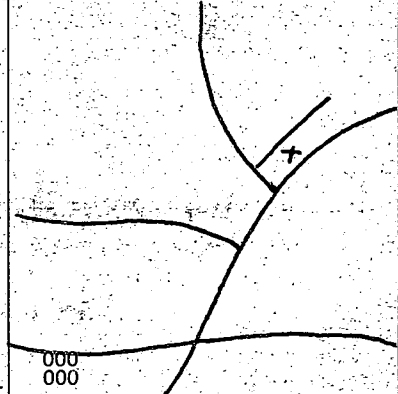
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1 Well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 800, N 520



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54, PERMIT No. HO - 94 - 2211

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

3/26/99  
Well sold  
MATCH

SETTING 20' WIDE BALTIMORE  
GAS AND ELECTRIC COMPANY  
EASEMENT AND RIGHT-OF-WAY  
LIBER 1034, FOLIO 665

10' PUBLIC  
TREE MAINTENANCE  
EASEMENT  
PRESERVATION PARCEL 'M' IS  
ENCUMBERED BY A PUBLIC  
STORMWATER MANAGEMENT  
AND UTILITY EASEMENT  
ENVIRONMENTAL  
PRESERVATION  
PARCEL 'M'  
1.622 AC.  
PRESERVATION PARCEL 'M'  
OWNED AND MAINTAINED BY  
HOMEOWNER'S ASSOCIATION

10' PUBLIC  
TREE MAINTENANCE  
EASEMENT

FOX  
VALLE  
LINE

174  
145

LOT 99  
51,272 sq. ft.

LOT 96  
49,774 sq. ft.

LOT 94  
40,042 sq. ft.

LOT 98  
50,692 sq. ft.

SOLD

LOT 92  
55,559 sq. ft.

LOT 97  
50,692 sq. ft.

24' WIDE PRIVATE DRIVEWAY  
DRIVEWAY ACCESS EASEMENT ALONG  
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.

FOREST  
CONSERVATION  
EASEMENT

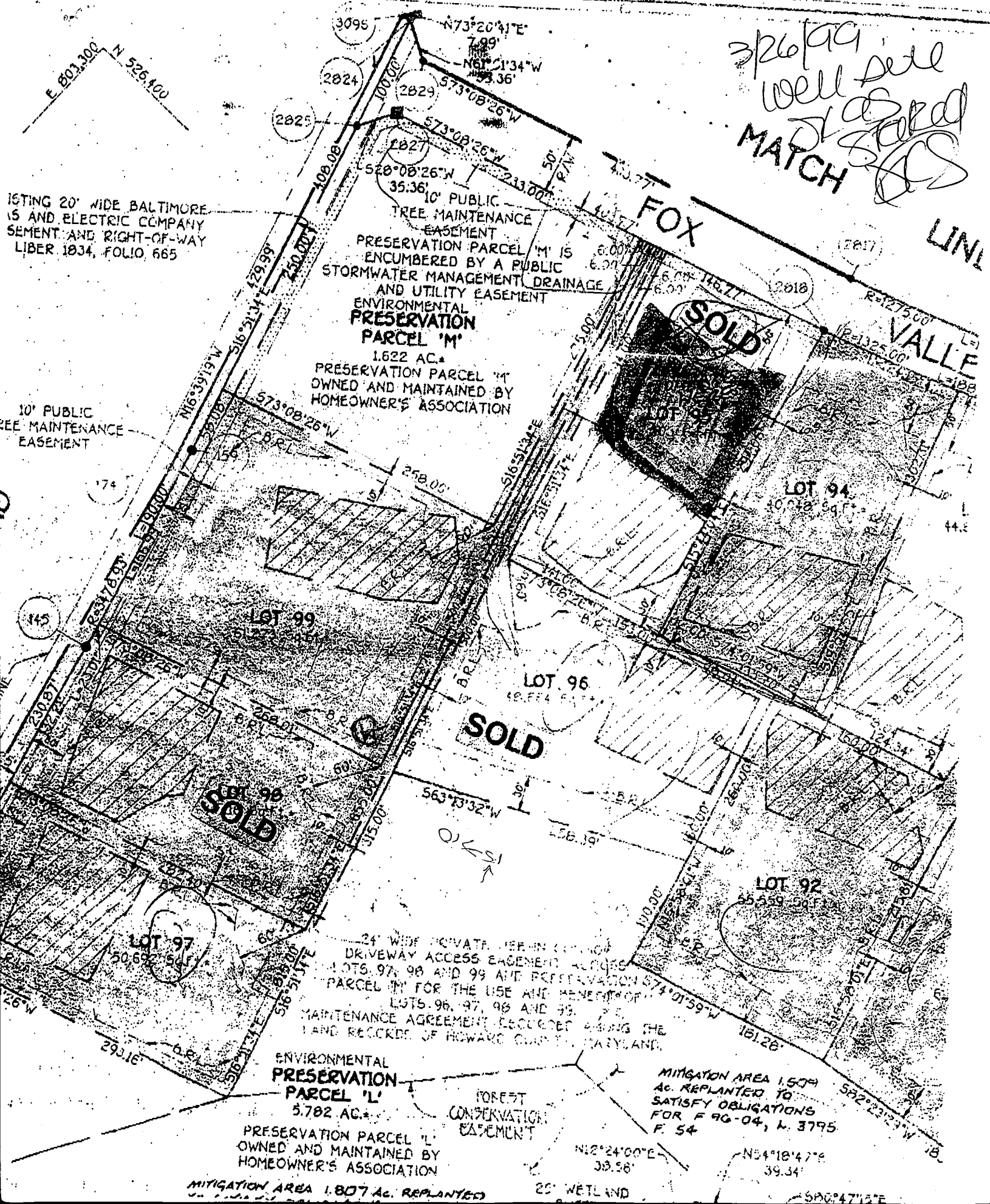
MITIGATION AREA 1.504  
AC. REPLANTED TO  
SATISFY OBLIGATIONS  
FOR F 90-04, L 3795  
P. 54

PRESERVATION PARCEL 'L'  
OWNED AND MAINTAINED BY  
HOMEOWNER'S ASSOCIATION

MITIGATION AREA 1.807 AC. REPLANTED

20' WETLAND

590°47'13"E



HOWARD COUNTY HEALTH DEPARTMENT  
 Bureau of Environmental Health  
 3030-N Elliecott Hills Drive  
 Elliecott City, MD 21043  
 410-313-2240

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement   
 Name of Installer Carroll Water Systems Inc Telephone 410-876-5700  
 License Number P.E. 074 Certified Well Pump Installer  Well Driller  Registered Plumber   
 Name of Property Owner Artisai Hayes Telephone 410-911-4150  
 Subdivision W. FRIENDSHIP Lot 8 99 Well Tag #         
 Site Address 233 Fox View Dr.

**Pump**  
 1. Type  
 a. Deep well jet   
 b. Shallow well jet   
 c. Submersible   
 2. Make B Goulds  
 3. Model # 7530542  
 4. Capacity 7 GPM  
 5. Pump exceeds well capacity Yes  No   
 6. If Yes, is low pressure cutoff switch installed? Yes  No   
 7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other

**Meter**  
 1. Horsepower 1/2  
 2. RPM 3400  
 3. Voltage  
 a. 110   
 b. 220

**Pitless Adapter**  
 1. Make Carroll  
 2. Model # 3-10V  
 3. Depth 4'

**Tank**  
 1. Capacity 50 Gall  
 2. Pressure relief valve? Yes 10/1/99  
**Pitless 4' below grade. Casing 18" above grade. 2-Piece cap. Grout S. K. Looks O. K. (BB)**

**Piping**  
 1. Type Plastic  
 2. Size 1"  
 3. NSF and/or BOCA Code approved Yes  
 4. Depth of supply line 4'

**Well data**  
 1. Depth 40' ft.  
 2. Yield 7.0 GPM  
 3. Static water level        ft.  
 4. Will water supply be disinfected by installer? NO

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: [Signature]  
 Date: 9/25/99

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.



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## HOWARD COUNTY HEALTH DEPARTMENT

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Diane L. Matuszak, M.D., M.P.H., County Health Officer

October 27, 1999

Altieri Homes  
9017 Red Branch Road, Suite 201  
Columbia, Maryland 21045

RE: West Friendship Estates  
3333 Fox Valley Drive  
Purpose: Setback distance from well to driveway

Dear Sirs,

On October 8, 1999, an inspection of the above referenced property revealed that the well is only 2 feet from the use-in-common drive.

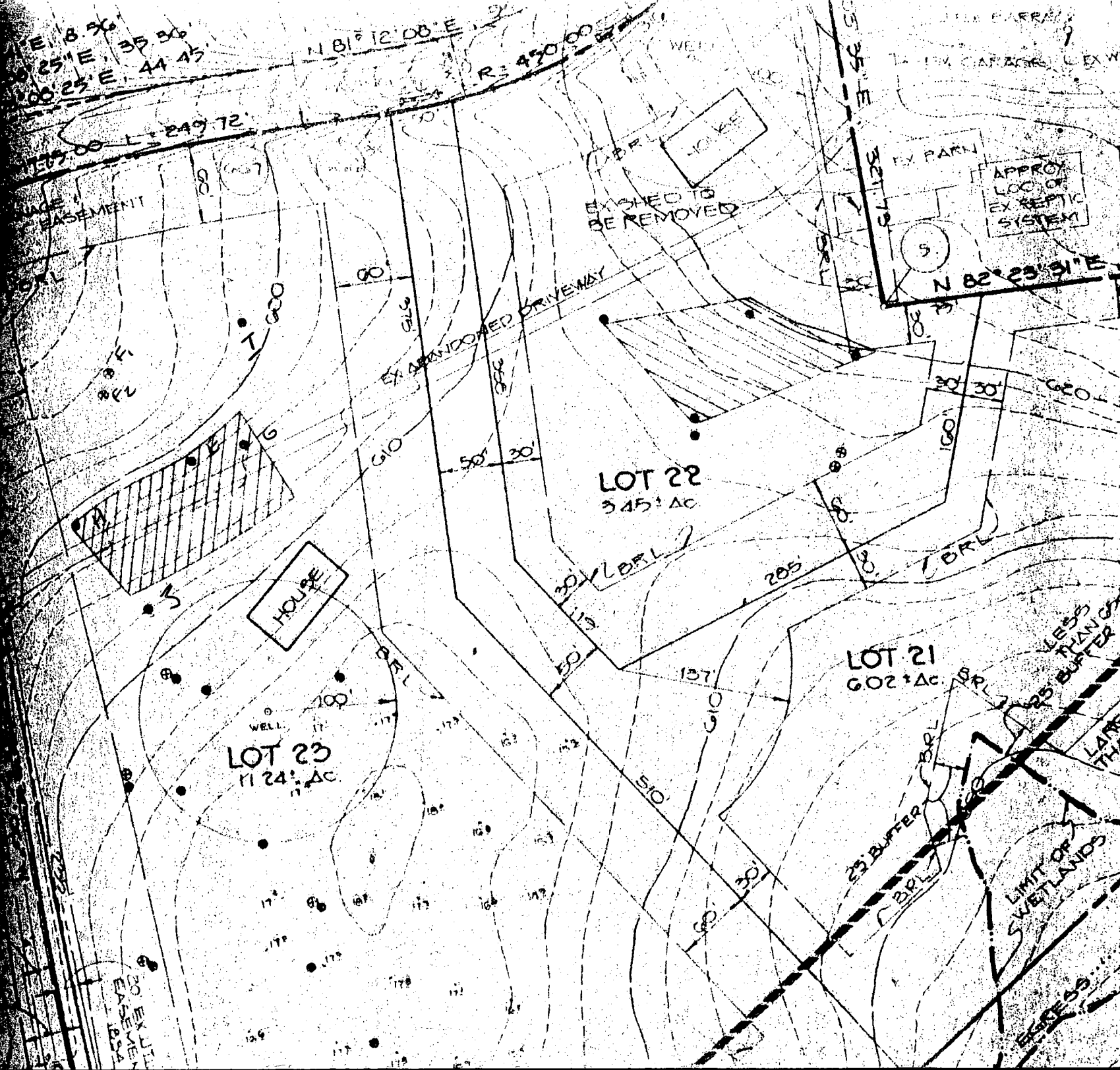
COMAR 26.04.04.05 requires that the water well shall be at least 15 feet from any road. The reason for this discrepancy appears to be that the placement of the use-in-common driveway within the pipestems was never presented for review by this office. This condition is of concern due to the potential for contamination should a vehicle strike the well.

Please contact me at the address below or by calling (410) 313-2640 so that resolution of this issue may be discussed.

Very truly yours,

Amy Mc Millen, R.S.  
Water and Sewerage Program

AM:am  
cc:File



N 81° 12' 08" E  
R = 450' 00"  
N 82° 25' 31" E

249' 72"  
249' 00"

EX. HOUSE  
EX. SEPTIC SYSTEM

LOT 22  
3.45 ± AC

LOT 23  
11.24 ± AC

LOT 21  
6.02 ± AC

HOUSE

APPROX. LOC. OF EX. SEPTIC SYSTEM

EX. ABANDONED DRIVEWAY

LIMIT OF SWETLANDS

25' BUFFER

LESS THAN 25' BUFFER

LARGER THAN 25' BUFFER

EX. SEPTIC SYSTEM

LAND DEDICATED TO HOWARD COUNTY, MARYLAND FOR THE PURPOSE OF A PUBLIC ROADWAY (0.668 Ac.#)

PFEFFERKORN ROAD (LOCAL ROAD)

EXISTING ROADWAY CENTERLINE

PRESERVATION PARCEL 'M' 1.622 AC.

ENVIRONMENTAL PRESERVATION PARCEL 'L' 5.782 AC.

Copy of approved Perc Cert 4/10/96

ChB2

C9B2

Cha

C9B2

A-41797 PREVIOUSLY LOT 27

A-48769

A-46968

LOT 95 42,303 Sq.Ft.

LOT 99 61,273 Sq.Ft.

LOT 98 46,116 Sq.Ft.

LOT 97 50,692 Sq.Ft.

LOT 96 48,664 Sq.Ft.

M3°43'50"W 125.15'  
124.62'  
L=163.48'  
R=106.21'  
R=175.00'  
L=225.22'  
L=206.72'  
665.52'  
N13°36'07"W  
N76°16'00"E  
15.00'

N48°19'10"W 25.14'  
S87°09'12"W 35.65'  
L=318.35'  
L=14.87'

573°08'26"W  
L=23.81'  
L=132.21'  
L=166.94'  
L=198.00'  
R=3478.93'

573°08'26"W  
L=166.94'  
L=198.00'  
L=230.00'  
L=250.00'  
L=29.99'  
S16°51'34"E  
S16°51'34"E  
S16°51'34"E

573°08'26"W  
L=98.66'  
L=132.21'  
L=166.94'  
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3006  
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141.00'

268.01'

268.01'

282.40'

293.16'

993.72'

546°52'10"W

546°52'10"W

546°52'10"W

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7/11/96  
DATE  
7/11/96  
DATE  
7/11/96

### BEST CONSERVATION EASEMENTS

ACCESSORS AND ASSIGNS, ALL SEWER, STORM DRAINAGE, OTHER (DESIGNATED AS FOREST CONSERVATION PARCELS 57 THROUGH 100 AND PARCELS 'E' THRU 'Q'. THESE PARCELS SHALL BE SUBJECT TO THE EASEMENTS AND DELIVER DEEDS FOR THE EASEMENTS WITH A METES AND BOUNDS DESCRIPTION OF THE FOREST AND PUBLIC UTILITIES AND COMPLETION OF THE FOREST AND, IN THE CASE OF THE FOREST INSTALLATION AND MAINTENANCE OBLIGATIONS OF THE DEVELOPER'S AGREEMENT WITH THE COUNTY, AND THE RELEASE OF DEVELOPER'S OBLIGATIONS TO THE COUNTY SHALL ACCEPT THE EASEMENTS AS SHOWN IN THE LAND RECORDS OF HOWARD COUNTY.

Approved  
F-95-183

# PEFFERKORN ROAD

(LOCAL ROAD)

EXISTING 20' WIDE BALTIMORE GAS AND ELECTRIC COMPANY EASEMENT AND RIGHT-OF-WAY LIBER 1834, FOLIO 665

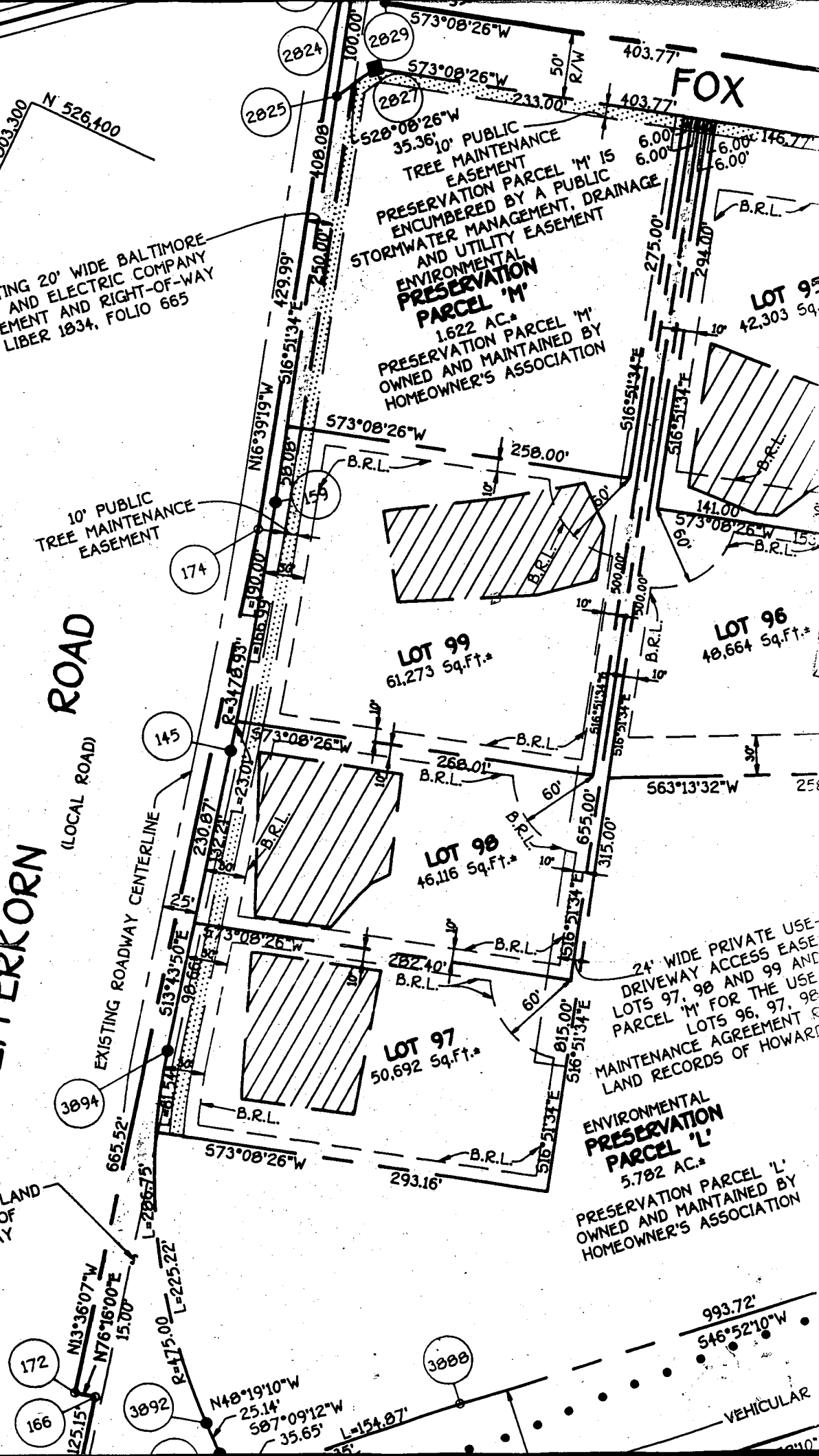
LAND DEDICATED TO HOWARD COUNTY, MARYLAND FOR THE PURPOSE OF A PUBLIC ROADWAY (0.668 Ac.)

35.36' PUBLIC TREE MAINTENANCE EASEMENT PARCEL 'M' IS ENCUMBERED BY A PUBLIC STORMWATER MANAGEMENT, DRAINAGE AND UTILITY EASEMENT ENVIRONMENTAL PRESERVATION PARCEL 'M' 1.622 AC. OWNED AND MAINTAINED BY HOMEOWNER'S ASSOCIATION

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

24' WIDE PRIVATE USE-DRIVEWAY ACCESS EASEMENTS FOR THE USE OF LOTS 96, 97, 98 AND 99 AND MAINTENANCE AGREEMENT AS SHOWN IN THE LAND RECORDS OF HOWARD COUNTY.

FOX



**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 5/13/99  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 5/13/99  
SIGNATURE OF DEVELOPER DATE

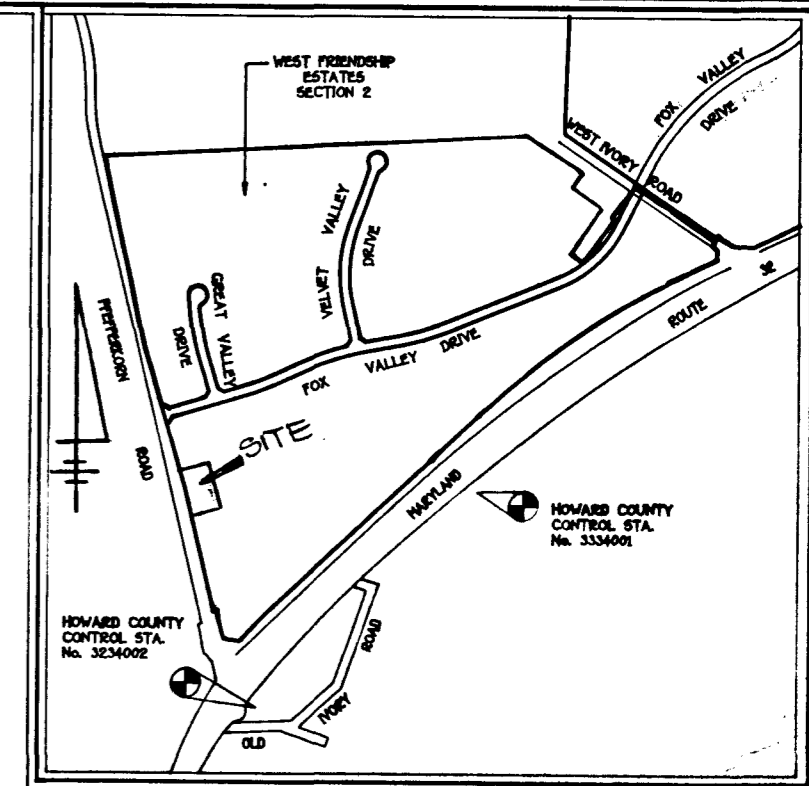
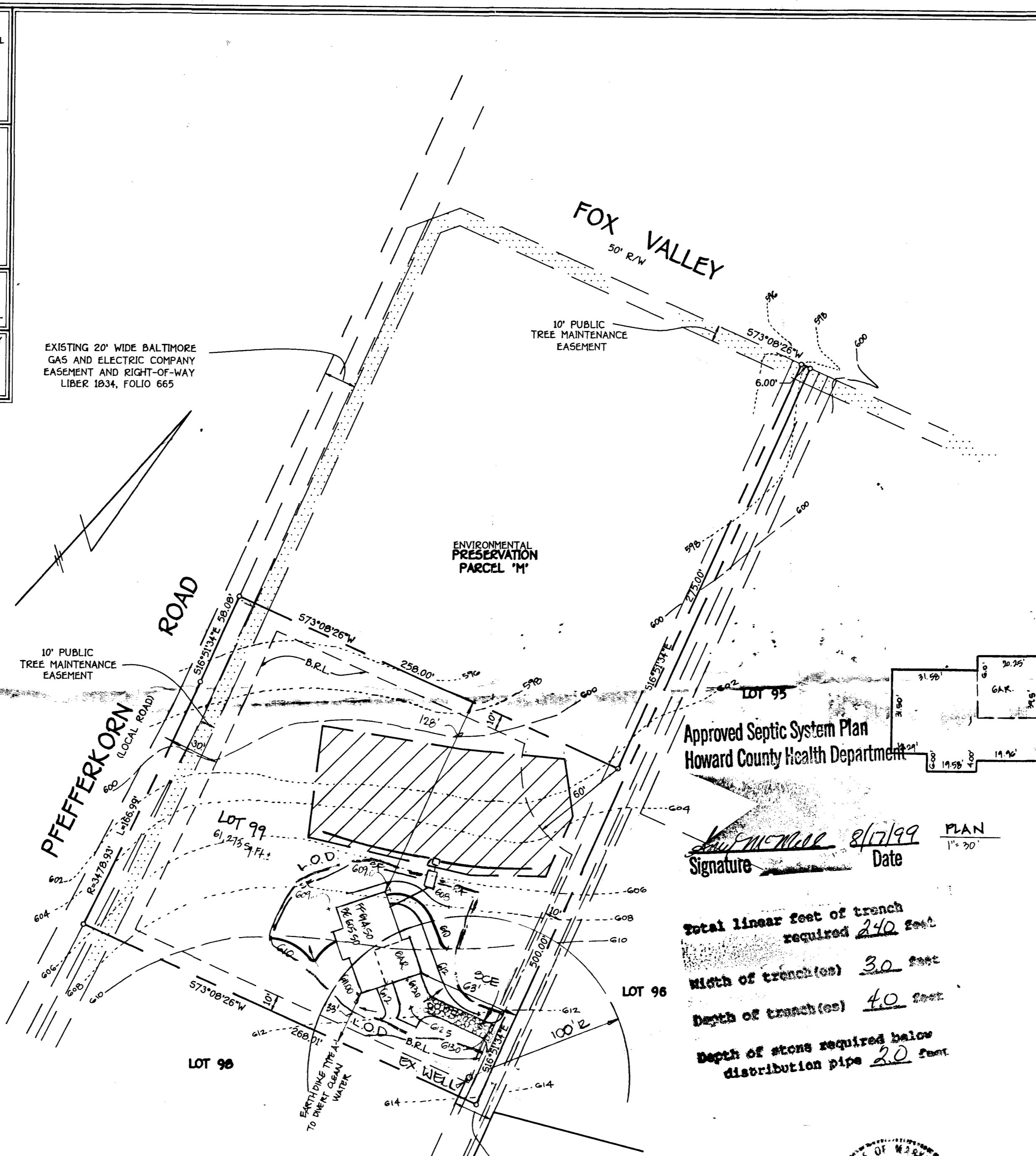
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*[Signature]* 5/17/99  
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 5/17/99  
HOWARD SOIL CONSERVATION DISTRICT DATE

EXISTING 20' WIDE BALTIMORE GAS AND ELECTRIC COMPANY EASEMENT AND RIGHT-OF-WAY LIBER 1834, FOLIO 665



**VICINITY MAP**  
SCALE: 1"=2000'

**GENERAL NOTES**

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK
- A. FIRST FLOOR ELEVATION: 604.50  
B. BASEMENT ELEVATION: 605.50  
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 604.80  
D. INVERT IN AT SEPTIC TANK: 604.50  
E. INVERT OUT AT SEPTIC TANK: 604.00  
F. PROPOSED GRADE OVER SEPTIC TANK: 606.00  
G. INVERT AT DISTRIBUTION BOX: 605.70  
H. EXISTING GROUND OVER DISTRIBUTION BOX: 605.70
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- THESE ARE NO-DRINKING-SERVICE-TO-SEPTIC-SYSTEMS

Approved Septic System Plan  
Howard County Health Department

*[Signature]* 5/17/99  
Signature Date  
PLAN 1"=20'

Total linear feet of trench required 240 feet  
Width of trench(es) 30 feet  
Depth of trench(es) 40 feet  
Depth of stone required below distribution pipe 20 feet



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.

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT  
LOT 99  
**WEST FRIENDSHIP ESTATES SECTION 2**  
LOTS 57 thru 100 PARCELS 'e' thru 'q'  
(A RESUBDIVISION OF WEST FRIENDSHIP ESTATES SECTIONS ONE AND TWO PLATS No. 9932 thru 9936 AND 9953)  
ZONING: 'RC'  
TAX MAP No. 22 PARCEL 556  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=50'

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461-2855

GP-99-158

**GENERAL NOTES:**

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0021 B, EFFECTIVE DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).



EXISTING 20' WIDE BALTIMORE GAS AND ELECTRIC COMPANY EASEMENT AND RIGHT-OF-WAY LIBER 1234, FOLIO 665

FOX VALLEY  
50' R/W

10' PUBLIC TREE MAINTENANCE EASEMENT

ENVIRONMENTAL PRESERVATION PARCEL 'M'

PEFFERKORN ROAD

10' PUBLIC TREE MAINTENANCE EASEMENT

LOCAL ROAD

LOT 99

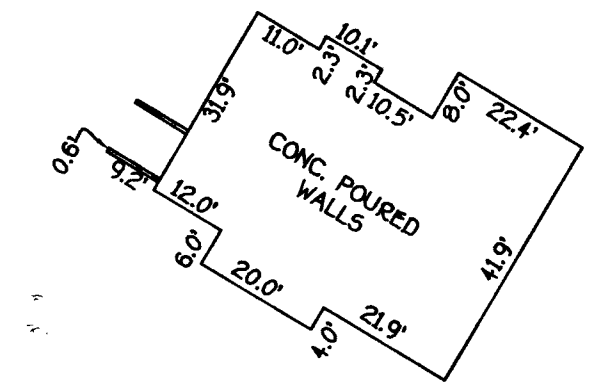
LOT 98

LOT 95

PRIVATE SEPTIC EASEMENT

SEE DETAIL

*Handwritten note:* House location consistent w/ approved plat



DETAIL  
1"=30'

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

LOT 99  
WEST FRIENDSHIP ESTATES  
SECTION 2  
LOTS 57 thru 100 PARCELS 'E' thru 'Q'  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLAT REF. 12455

B.R.L. = BUILDING RESTRICTION LINE  
TOP OF FOUNDATION ELEV. = 613.50'

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461 - 2855

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
410-461-2855

FCC • 60527 LOT 99.DWG

STATE OF MARYLAND  
CHARLES T. CROFT, JR.  
PROFESSIONAL LAND SURVEYOR  
No. 10763  
REGISTERED

*Signature*  
PROFESSIONAL LAND SURVEYOR  
REG. 10763

*Signature*  
DATE

**HOUSE LOCATION DRAWING**

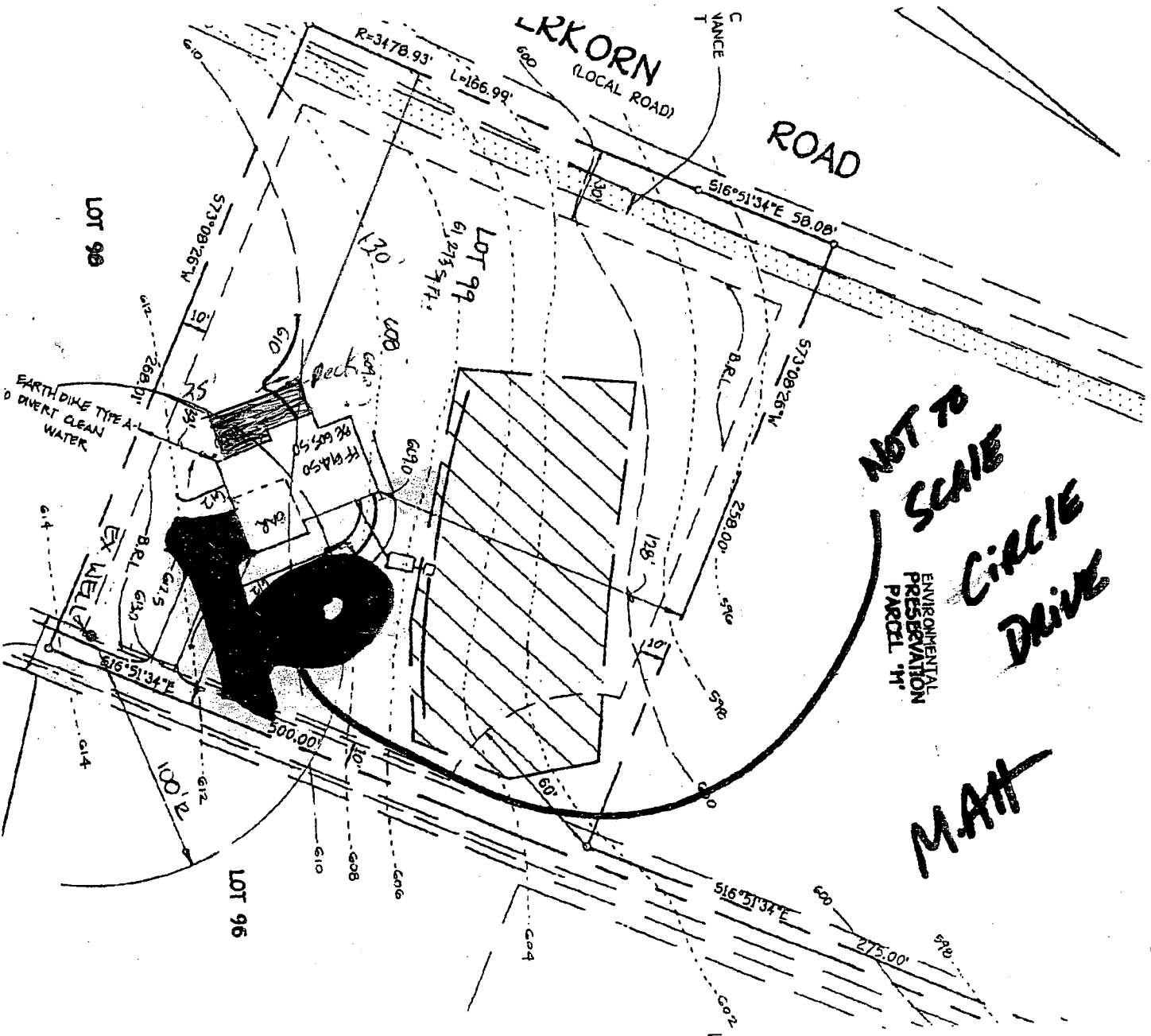
FOUNDATION LOCATION: 9/22/99  
FINAL LOCATION:  
BOUNDARY SURVEY:

SCALE: 1"=50'  
DATE: 9/3/99  
DRAWN BY: L.P.F.  
CHECKED BY: C.C.  
PROJECT No. 60904

WALKTHRU BUILDING PERMIT  
 APP. SAN *PAH*  
 DATE: 5/17  
 BP# 80053881 A# 41797  
 DESC. OF WORK: *Seepage & Back*

APPROVED

Scale 60 -



NOT TO SCALE  
 CIRCLE DRIVE  
 ENVIRONMENTAL PRESERVATION PARCEL "H"

M.A.H.