

10/30/00  
AM

# PERMIT

**SEWAGE DISPOSAL SYSTEM**  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P 514252

A 46968

ISSUE DATE 9/14/2000

APPROVAL DATE 10/30/00

INDEXED

03-321967

S K Backhoe & Septic Service IS PERMITTED TO INSTALL x ALTER       

ADDRESS 1220 FSK Hwy, Keymar, MD 21757 PHONE 410-775-0562

SUBDIVISION West Friendship Estates LOT NUMBER 97 ADDRESS 3325 Fox Valley Drive

PROPERTY OWNER Hamilton Reed PROPERTY OWNER'S ADDRESS 8000 Main Street

SEPTIC TANK CAPACITY 1250 GALLONS Ellicott City, MD 21043

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES: Trenches to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Beginning from the intersection of the 98.66' and 282.40' lot lines begin trenches 145 feet up the 282.40' lot line and 65 feet off that same lot line. Run trenches on contour toward the 293.16' lot line 8/29/00 OK ALM

PLANS APPROVED Mark Rifkin DATE 6/10/2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

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

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

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

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

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

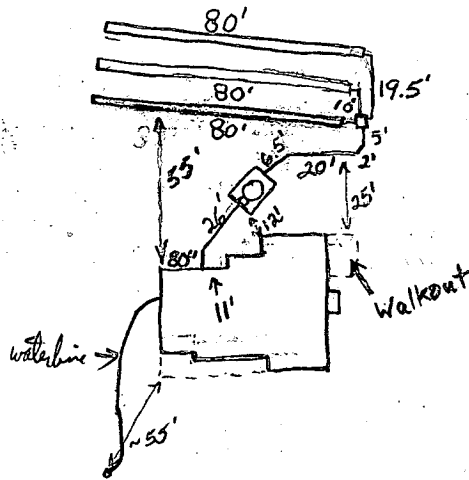
COPIES PERMITTED SIGNED  
AND RETURNED 10/14/01  
500132765  
2 level deck

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A46968

Pfeffercorn Road

NOT TO SCALE



Fox Valley Drive

**TRENCH DATA**

TRENCH WIDTH 3.0'  
 TRENCH INLET DEPTH 3.0'  
 TRENCH BOTTOM DEPTH 5.0'  
 DEPTH OF STONE 2.0'  
 NUMBER OF TRENCHES 3  
 TOTAL TRENCH LENGTH 240'  
 ABSORBENT AREA 720 sq. ft.  
 DISTRIBUTION BOX LEVEL OK  
 BAFFLE IN DISTRIBUTION BOX Yes

**SEPTIC TANK DATA**

SEPTIC TANK 1250 TS GALLONS  
 MANHOLE RISER Yes  
 6 INCH INSPECTION PORT Yes  
~~PUMP CHAMBER DATA~~ N/A  
~~PUMP CHAMBER GALLONS~~  
~~MANHOLE RISER~~  
~~ALARM~~  
~~PUMP PERFORMANCE TEST~~

PRE-CONSTRUCTION INSPECTION:

INSPECTION COMMENTS: 10/30/00 House connection made. Everything satisfactory.  
O.K. to cover (BB)

WT followed @ 3:15 PM 10/31/00

INSPECTOR B. Baker

DATE SYSTEM APPROVED 10/30/00



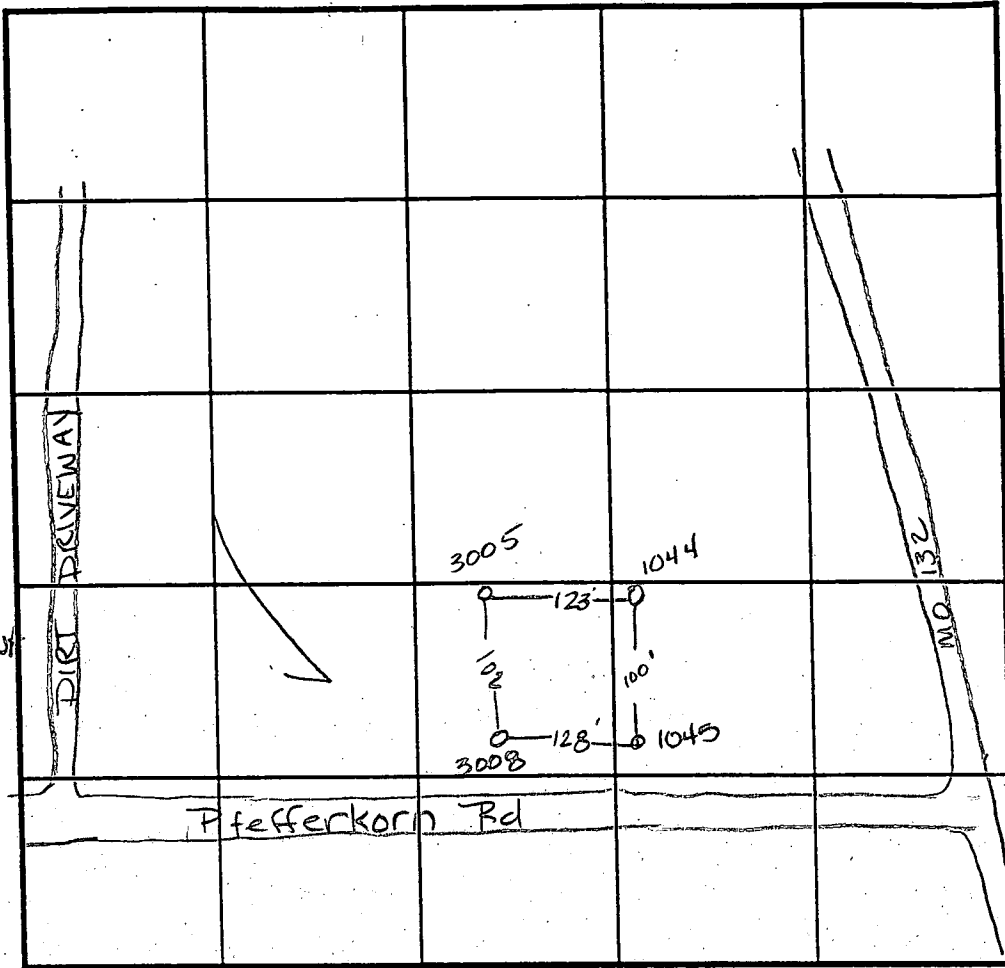


COUNTY #  
3045  
SOIL PROFILE  
3044  
0'  
red  
orange  
SiCL  
gravelly  
4'  
medium  
brown  
SiCL  
100%  
shale  
frag  
mica  
pockets  
of white  
s through  
from quartz  
rock  
11'

3005  
bright  
red  
SiCL  
mica  
shale  
3.5'  
lgt tan  
mica  
SiL  
100%  
shale  
6.5'

greyish  
SiL tan  
30%  
shale  
mica  
10'

3008  
bright  
red  
SiCL  
gravelly  
4'  
lgt tan  
mica  
SiL  
20%  
shale  
decayed  
10'



SOIL PROFILE  
0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-16-95	3044	4.5 VII'	1:47 <sup>25</sup>	1:49 <sup>15</sup>	1:49 <sup>15</sup>	1:52	2 <sup>3</sup> / <sub>4</sub> min
	3045	5' VII'	1:50	1:51 <sup>15</sup>	1:51 <sup>15</sup>	1:53 <sup>30</sup>	2 <sup>1</sup> / <sub>4</sub> min
	3005	4' VII'	1:09	1:09 <sup>45</sup>	1:09 <sup>45</sup>	1:11 <sup>30</sup>	1 <sup>3</sup> / <sub>4</sub> min
	3005	7' VII'	1:38 <sup>30</sup>	1:40	1:40	1:45	5min
	3008	5' VII'	1:17	1:20	1:20	1:24 <sup>15</sup>	4 <sup>1</sup> / <sub>4</sub> min

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Amy McMillen ALSO PRESENT Dan Ketterman  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3min TRENCH WIDTH 3'  
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5' SQ. FT/BEDROOM 180 ft<sup>2</sup>



FILE, ANNOTATED  
(SUPPLEMENTED)  
DATE AND THE

7/11/96  
DATE

7/11/96  
DATE

7/11/96  
DATE

### FOREST CONSERVATION EASEMENTS

SUCCESSORS AND ASSIGNS, ALL  
R, SEWER, STORM DRAINAGE, OTHER  
IN (DESIGNATED AS "FOREST CONSERVATION  
IN 57 THROUGH 100 AND PARCELS "E" THRU "Q".  
SHALL BE SUBJECT TO THE EASEMENTS  
SHALL BE STATED IN THE DEEDS) CONVEYING  
AND DELIVER DEEDS FOR THE EASEMENTS  
WITH A METES AND BOUNDS DESCRIPTION OF  
THE AND THE PUBLIC UTILITIES AND  
IN COMPLETION OF THE FOREST  
Y, AND, IN THE CASE OF THE FOREST  
COMPLETION OF THE DEVELOPER'S OBLIGATIONS  
INSTALLATION AND MAINTENANCE AGREEMENT  
COUNTY, AND THE RELEASE OF DEVELOPER'S  
MENT 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

10' PUBLIC  
TREE MAINTENANCE  
EASEMENT

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

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

24' WIDE PRIVATE USE-  
DRIVEWAY ACCESS EASE-  
LOTS 97, 98 AND 99 AND  
PARCEL 'M' FOR THE USE  
LOTS 96, 97, 98  
MAINTENANCE AGREEMENT  
LAND RECORDS OF HOWARD

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

# FOX

LOT 95  
42,303 Sq. Ft.

LOT 96  
48,664 Sq. Ft.

LOT 99  
61,273 Sq. Ft.

LOT 98  
46,116 Sq. Ft.

LOT 97  
50,692 Sq. Ft.

172

166

3892

3888

2824

2825

2821

2829

174

145

3894

993.72'  
546°52'10"W

N48°19'10"W  
25.14'  
S87°09'12"W  
35.65'  
L=154.87'

VEHICULAR

700

C1 07661 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. COUNTY NUMBER A46968

ST/CO USE ONLY DATE Received MM DD YY 04 17 2000 DATE WELL COMPLETED MM DD YY 04 17 2000 Depth of Well 22 200 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" OK ml 6/10/00 HO-94-2612

OWNER Altieri Homes last name first name STREET OR RFD Fox Valley Drive TOWN W Friendship SUBDIVISION W Friendship Est SECTION 2 LOT 97

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 FROM TO check if water bearing Overburden 0 55 Gray Rock 55 200 X water at 90'

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 14 NO. OF POUNDS 1400 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 56 ft.

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)! 60 61 63 64 66 70 Total depth of main casing (nearest foot) 63

OTHER CASING (if used) diameter inch depth (feet) from to

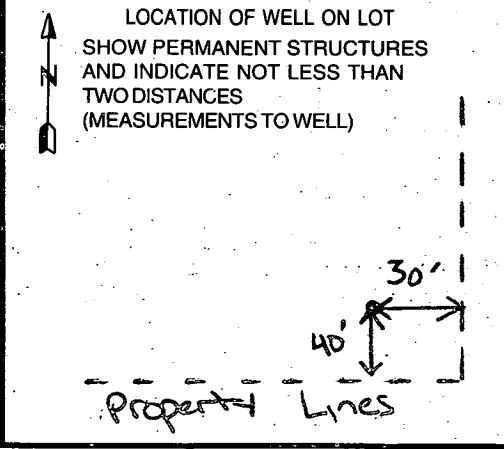
SCREEN RECORD screen type or open hole insert appropriate code below ST STEEL BR BRASS PL PLASTIC HO OPEN HOLE OT OTHER

DEPTH (nearest ft.) HO 63 200 SLOTTED SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 13.6 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 9 ft. WHEN PUMPING 46 ft. TYPE OF PUMP USED (for test) 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. 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 1 (nearest foot)



NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED YES Y NO N

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) LIC. NO. JS 049 Thomas McElroy

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

B 1 07038

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2612 fill in this form completely

Date Received (APA) 020800

OWNER INFORMATION

Alteri Homes, 9017 Red Branch Road, Columbia MD 21045

B 3 HOWARD LOCATION OF WELL

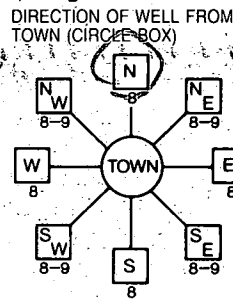
8 COUNTY 21 W. Friendship Estates, 23 SUBDIVISION 42, SECTION 44 46 LOT 97 48 50, Glenelg, 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78

DRILLER INFORMATION

Paul M. Fabiszak M W D 399, G. Edgar Harr Sons' Corp., 12047 falls Road, Cockeysville 21030, 2/4/00

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



3325 Fox Valley Drive

NEAR WHAT ROAD 30, ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX), 34 1000 37, DISTANCE FROM ROAD, ENTER FT OR MI 38 39, TAX MAP: BLK: PARCEL

B 2 WELL INFORMATION

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard CO A46968, COUNTY NAME COUNTY NO., STATE SIGNATURE INSERT S, DATE ISSUED 022800, CO SIGNATURE, EXP. DATE 2/28/01, NORTH GRID 520 000, EAST GRID 800 000

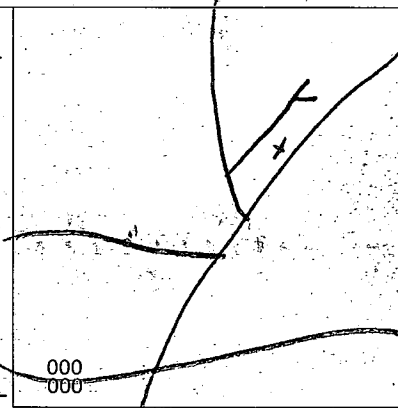
USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

APPROXIMATE DEPTH OF WELL 250 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1 well



METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jettied & DRIVEN, AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary), CABLE REVerse-ROTary Drive-POINT

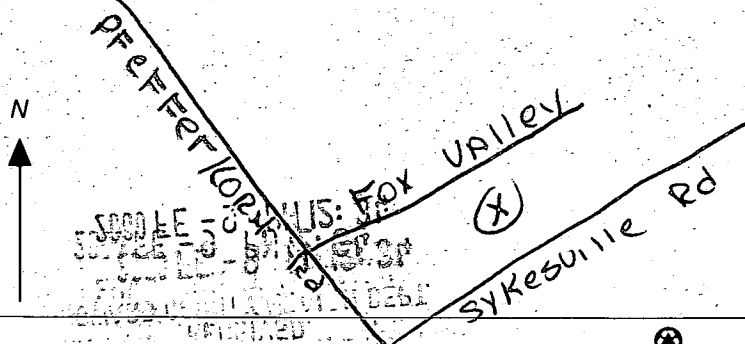
WRITE THE BOX NUMBER FROM THE MAP HERE

E 800, N 520

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

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

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 G A P 63, PERMIT No. HO-94-2612

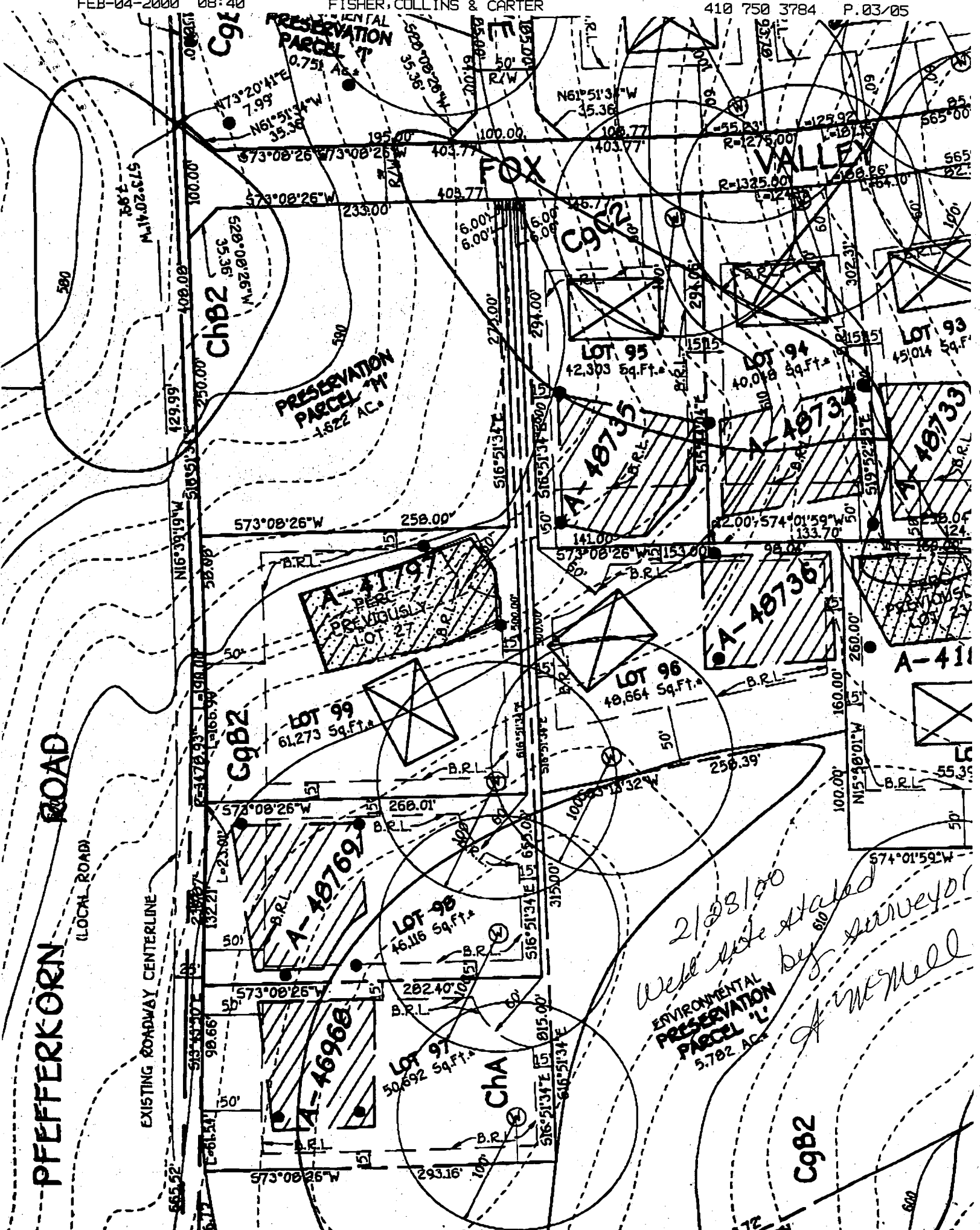
SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

PFEFFERKORN ROAD

(LOCAL ROAD)

EXISTING ROADWAY CENTERLINE



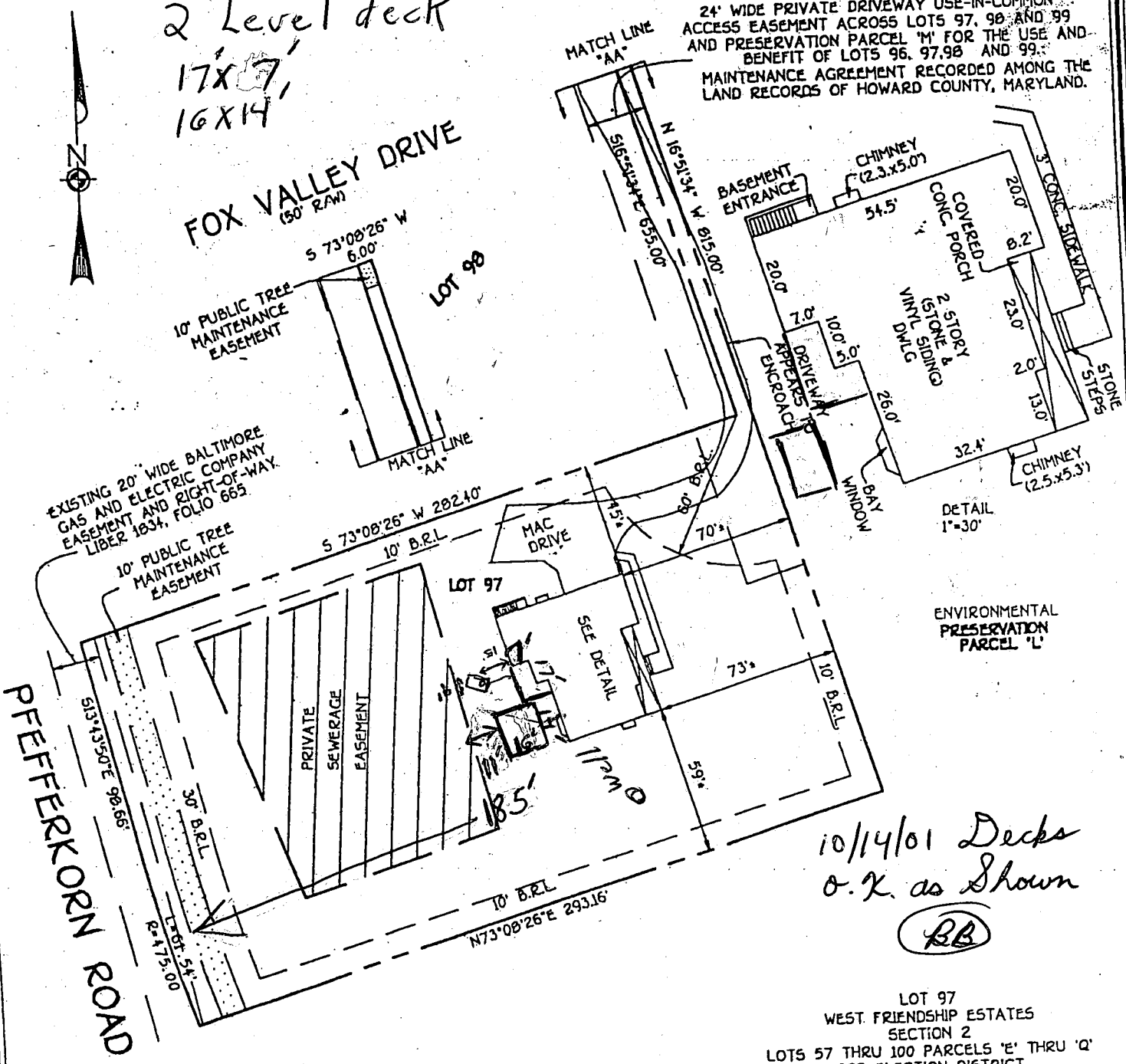
CONTEMPLATED FOR FINANCING OR RE-FINANCING. UNLESS OTHERWISE NOTED, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. THE ESTABLISHMENT OR LOCATIONS 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. 2400440021 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 (±).
- 4) NO TITLE REPORT FURNISHED, SUBJECT TO ALL EASEMENTS AND CONDITIONS OF RECORD.

2 Level deck  
17x7'  
16x14'

24' WIDE PRIVATE DRIVEWAY USE-IN-COMMON 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.



10/14/01 Decks  
o.k. as Shown  
**BB**

LOT 97  
WEST FRIENDSHIP ESTATES  
SECTION 2  
LOTS 57 THRU 100 PARCELS 'E' THRU 'Q'  
3RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLAT REF. 12455

TOP OF FOUNDATION ELEV. 619.8'  
B.R.L.=BUILDING RESTRICTION LINE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING, CONSULTANTS & LAND SURVEYORS



HOUSE LOCATION  
DRAWING

FOUNDATION LOCATION: 7/20/00